REQUEST FOR PROPOSALS

LITTLE RIVER BAND OF OTTAWA INDIANS
2608 GOVERNMENT CENTER DRIVE
MANISTEE, MI. 49660
PHONE: (231) 723-8288

REGARDING: REQUEST FOR PROPOSALS FOR Phase II Environmental Assessment at Sugar Shack, parcel 07-116-002-00, Manistee County, Michigan

PROPOSALS DUE: July 20, 2025

RFP NO. 25-06-16

1. PURPOSE

Little River Band of Ottawa Indians, a federally recognized Indian Tribe, is soliciting bid proposals from qualified firms for professional services associated with Environmental Assessments within ATSM standards.

This RFP does not commit the Tribe to accept any proposal submitted. The Tribe reserves the right to accept or reject any and all proposals, and to accept or reject any or all items in any proposal. The Tribe reserves the right to negotiate with any and all proposers and any and all parts of the proposals received, including, but not limited to, cost and other relevant details and to accept the proposal most advantageous to, and in the best interest of, the Tribe. The Tribe is not responsible for any costs incurred by the respondents in the preparation of responses to this RFP. The terms "vendor", "bidder," and "respondent" are used interchangeably throughout this RFP and are intended to refer to a person or entity submitting, or intending to submit, a proposal in response to this RFP.

1.1 SCOPE OF WORK: PLEASE SEE ATTACHMENT A

A phase I Environmental Assessment was completed on this parcel which is part of this RFP. LRBOI wishes to conduct a Phase II Environmental Assessment, that will lead to open dumping and other environmental Clean-ups at this parcel, as necessary.
The assessment due date will be 80 days after a contract is agreed (Services Agreement with LRBOI and contractor) unless specified otherwise in the Service Agreement.

2. RFP ADMINISTRATIVE PROCEDURES

2.1 RFP CONTACT. The individual named below is the Tribal Contact. The Tribal Contact shall be the sole point of contact regarding this RFP from the date of issuance until selection of the successful bidder. To ensure clear and accurate communication and avoidance of the appearance of impropriety, from the date of issuance of this RFP until announcement of the successful bidder, proposers may contact only the RFP Contact. The RFP Contact will respond only to questions submitted in writing in accordance with this RFP. In the event that a vendor or someone acting on the vendor's behalf attempts to discuss this RFP verbally or in writing with any employee of the Tribe other than the RFP Contact/Contract Administrator designated below, the vendor may be disqualified as a prospective bidder.

Tribe's RFP Contact:

Michelle Lucas, Purchasing Manager
2608 Government Center Drive
Manistee, MI. 49660

Email: michellelucas@lrboi-nsn.gov

2.2 RFP TIMETABLE. The dates set forth are subject to change, at the sole discretion of the Tribe:

EVENT	DATE
2.2.1 **RFP Issued**	On or before June 17, 2025
2.2.2 **Conference with Department**	4:00 P.M. EASTERN Time, July 15, 2025 (online)
2.2.3 **Due Date**	4:00 P.M. EASTERN Time, July 22, 2021

2.3 DUTY TO EXAMINE AND INQUIRIES REGARDING THE RFP.

2.3.1 It is the responsibility of each bidder to examine the RFP, including all amendments, seek clarification in writing (inquiries), and examine their proposal for accuracy before submitting the proposal. Lack of care in preparing a proposal shall not be grounds for modifying or withdrawing the proposal after the proposal due date and time, nor shall it give rise to any contract claim.

2.3.2 All inquiries concerning this RFP, including any questions related to the terms and conditions of this RFP, shall be made in writing and submitted to the RFP Contact at the physical address or email address noted above. Verbal inquiries will not be accepted.

2.4 CONTENT OF RFP AND SUPERSEDING EFFECT. This RFP is designed to provide prospective bidders with information necessary for the preparation of competitive proposals. Each bidder is responsible for determining all factors necessary for the submission of a comprehensive and compliant proposal. Proposals submitted in response to this RFP should be based solely on the material contained in the RFP, including any amendments. This RFP supersedes all previous RFPs and all proposals, oral and written, and all negotiations, conversations, communications and discussions heretofore had between the parties, related to the subject matter of this RFP.

2.4.1 AMENDMENT OF RFP. The Tribe reserves the right to amend this RFP at any time. In the event it becomes necessary to amend, add to, or delete any part of the RFP, an amendment will be provided to all known vendors/prospective bidders who received the original RFP and will be posted on the Tribe's website.

2.5 SUBMISSION OF PROPOSAL. ***Every proposal submitted must include an original and three (3) copies***. Proposals and copies must be submitted to the Little River Band of Ottawa Indians: **Michelle Lucas, Purchasing Manager, 2608 Government Center Drive, Manistee, MI. 49660.** Proposals must be received no later than 4:00 P.M.(eastern time), Tuesday, July 22, 2025. ***Any proposal received after this deadline will not be accepted***. Proposals must be submitted by Carrier (FedEx, UPS, etc.) The envelope must be SEALED and include the following notation on the bottom left-hand corner: "RFP FOR SUGAR SHACK ." Please also include company/individual name on the outside of the envelope. Bidders must allow ample mail delivery time to ensure timely receipt of their proposal. It is the bidder's responsibility to ensure that the proposal is received prior to the deadline. Postmarking by the due date will not substitute for actual receipt of the proposal by the Tribe. ***Proposals sent via email or fax will NOT be accepted.***

2.6 OPENING OF PROPOSALS. The proposals will be opened during a CLOSED BID OPENING on Wednesday, July 7, 2021, or as soon thereafter as practicable.

INTERVIEWS: The Tribe may conduct interviews with Proposers to clarify aspects set forth in their proposals or to assist in finalizing the ranking of top-ranked proposals. The interviews may be conducted in person or by phone. If conducted in person, interviews most likely will be held virtually using either Microsoft Teams or Zoom web meeting software. The Tribe will not reimburse Proposers for any cost incurred in traveling to or from the interview location.

2.7 REJECTION OF PROPOSALS. Notwithstanding any other provision of this RFP, at any time prior to execution of a written Contract, the Tribe reserves the right to reject any or all proposals, in whole or in part, to advertise for new proposals, to abandon the need for such services, and to cancel this RFP if it is in the best interest of the Tribe.

2.8 COSTS OF PREPARING PROPOSALS. The costs of preparing the proposal are the sole responsibility of the vendor. The Tribe is not responsible for any costs incurred by vendor which are related to the preparation or delivery of the proposal or any other activities carried out by the vendor related to this RFP.

2.9 PROPOSALS PROPERTY OF THE TRIBE. All proposals become the property of the Tribe and shall not be returned to the bidder submitting a proposal. The bidder agrees that the Tribe may copy the proposal for purposes of facilitating the evaluation of the proposal or for any other reason.

2.10 VALIDITY OF PROPOSALS. All proposals shall be valid for a period of sixty (60) business days following

the date on which proposals are due, except that the proposal of the successful bidder shall remain valid until expiration or termination of any contract based upon the successful bidder's proposal, between the Tribe and the successful bidder.

2.11 BIDDER'S REPRESENTATIONS.

2.11.1 By submitting a bid, the bidder certifies that they are authorized to conduct business in the State of Michigan.

2.11.2 By submitting this bid, the bidder certifies that they are experienced and qualified to perform the services required by this RFP and are properly staffed, organized, and financed to perform such services, and to commence such services immediately.

2.11.3 By submitting a bid, the bidder certifies that their bid and proposal were made and submitted without collusion or fraud and that they have not offered or received any kickbacks or inducements from any other bidder, supplier, manufacturer, or subcontractor in connection with its bid. The bidder also certifies that they have not conferred with any Tribal employee having official responsibility for this procurement transaction, any payment, loan, subscription, advance, deposit of money, services, or anything of more than nominal value, present or promised, unless consideration of substantially equal or greater value was exchanged.

2.12 NATIVE AMERICAN PREFERENCE REQUIREMENTS. Proposals are subject to the Tribe's General Procurement Policies and Procedures. Proposers claiming Native American Preference under this proposal, must include documentation that confirms that the proposer qualifies of having Native American Preference.

2.13 PROPOSAL EVALUATION AND SOURCES OF INFORMATION.

2.13.1 Proposals that comply with the mandatory requirements of this RFP will be evaluated by the RFP committee with respect to the point grading scheme below:

1. 30 points Experience and Reputation.
2. 20 points Understanding of Scope of Work.
3. 25 points Proposal Price.
4. 10 points Delivery time.
5. 10 points Native American Preference (certification required)
6. 05 points Small and minority businesses, women's business enterprises, and labor surplus are firms (certification required).

2.14 AWARD AND NOTIFICATION. The Tribe reserves the right to either award a purchase contract without further negotiations with the successful bidder or to negotiate contract terms with the selected bidder if in the best interest of the Tribe. The successful bidder may be required to attend a post-award meeting with representatives of the Tribe to discuss the terms and conditions of the purchase contract.

2.15 DISPUTES. In case of any doubt or differences of opinions as to the contents of this RFP, or interpretation of any provision of this RFP, the decision of the Tribe shall be final and binding upon all parties.

3. CONTENT AND FORMAT OF PROPOSAL

3.1 PURPOSE. These instructions prescribe the required format and content of the proposal and are designed to elicit information necessary to selection of the most qualified bidder, and to facilitate the submission of a proposal that is easy to understand and evaluate.

3.2 FORMAT. Proposals shall be prepared on 8.5" x 11" paper, single sided. **A proposal submission must include an original and three (3) copies of the proposal, including all attachments.**

3.3 CONTENT. Each proposal shall respond completely to the following questions and requests for information:

3.3.1 Please provide a description of the bidder's organization including size, goods and services offered and length of time in operation. Please include if the bidder is a registered MBE/WBE. Refer specifically to bidder's branch location or affiliate. Please provide full name, address, telephone number(s), fax number, and email address of bidder and bidder's primary contact, and verify that the bidder is authorized to conduct business in the State of Michigan.

3.3.2 Relevant Project Experience. Please provide the name and qualifications of the person(s) who will be responsible for general oversight of the project. List other projects similar in scope in the last five (3) years, listing each project name, project scope, and the role your firm played in the project.

3.3.3 Reputation. Please list three (3) entities, either commercial or governmental, to which bidder has provided similar services within the past three (3) years. Include the name, address, telephone number, and email contact information of the point of contact, and a description of the goods and/or services provided. The Tribe reserves the right to conduct reference checks.

3.3.4 Understanding Scope of Work. Please summarize how your firm will organize this project.

3.3.5 Proposal Price.

3.3.6 Delivery Time. Please provide an estimated time that your team will require to accomplish Little River Band of Ottawa Indians scope in respect to this RFP.

3.3.7 Indian Preference. If claiming Native American Preference, please provide documentation of Indian Preference.

3.3.8 The submission of additional pertinent information beyond the requirements of this RFP is acceptable.

4. REQUIREMENTS

4.1 MARKETING PROHIBITION. The successful bidder shall not use the name of, or refer to, Little River Band of Ottawa Indians or any Tribal departments, program or entity of the Tribe in any marketing activity. Nor will the successful bidder use said names or references thereto in any endorsement of its company, products, or services, without the written consent of the Little River Band of Ottawa Indians.

4.2 RELIABLE, RESPONSIVE, RESPONSIBLE BIDDERS. Little River Band of Ottawa Indians reserves the right to determine whether a bidder is responsive, reliable, qualified, and possesses the ability to complete the entire project. Those determinations will be based on:

1. The skill and experience demonstrated by the bidder in performing agreements of similar nature.
2. The bidder's record for honesty and integrity.
3. The bidder's capacity to perform in terms and facilities, personal and financing.
4. The bidder's past performance.

4.3 NO ASSIGNMENT. No bidder may assign its bid/proposal or any rights or obligations with respect thereto to any other party. No purchase contract between a successful bidder and the Tribe may be assigned by either party without the prior written consent of the other party, which consent may be given, withheld, or conditioned in the sole and absolute discretion of the party whose consent is sought. Any assignment, subcontract or delegation in derogation of this provision shall be deemed void.

4.4 DEBARMENT AND SUSPENSION. No contract shall be made to parties listed on the General Services List of Parties Excluded from Federal Procurement or Non-procurement Programs In accordance with E.O.'s 12549 and

12689, "Debarment and Suspension." A list of excluded parties can be found at www.sam.gov and 2 CFR 180, 0MB Guidelines to Agencies on Government-wide Debarment and Suspension (Non-procurement), governs debarment and suspension of federal grantees and sub-grantees from receiving federal grant awards. Debarment and suspension can occur if federal grantees use federal funds wastefully or fraudulently. To ensure federal funds do not flow to excluded parties, federal agencies and grantees are required to check for excluded parties prior to opening bids or awarding.

4.5 **TAXES:** The Little River Band of Ottawa Indians is exempt from Michigan sales and use tax on materials that are purchased, used or acquired in performance of a contract entered into by the Tribe for construction, renovation or improvements of real property owned by the Tribe or owned by the federal government in trust for the Tribe, if the real property is located within the Tribal and Trust Lands. The proposer should follow the State's general rules regarding nonprofit hospitals and housing to determine what is considered affixed and made a structural part of the exempt real property. Sales and use taxes shall not be included in the bid amount. Awarded bidder will receive a Certificate of Exemption packet after execution of the contract and a purchase order is issued.

4.6 **INSURANCE**: By signing and submitting a proposal under this RFP, the proposer certifies that if awarded the bid, the proposer will have insurance coverage as specified below at the time of the contract award and will maintain such coverage throughout the term of the agreement:

Business Automobile Liability: Business Automobile Liability covering all owned, hired and non-owned vehicles; $1,000,000 per occurrence for bodily injury and property damage.

General Liability Coverage: Minimum of $500,000 per person per occurrence; $500,000 property damage; $5,000 medical expense; $2,000,000 aggregate.

Excess/Umbrella Liability Coverage: $1,000,000.

5. GRANT REQUIREMENTS

EPA is requiring the bidders to have the ability to have a site specific QAPP. This project is funded by BIL funding.

Attachment A

Phase I Environmental Site Assessment

Sugar Shack

Parcel ID: 07-116-002-00

Manistee, Michigan

January 20, 2025

Prepared For:
Little River Band of Ottawa
Indians 2608 Government
Center Drive Manistee, MI
49660

USEPA Cooperative Agreement No.

4W00E03457 Gosling Czubak Project #

240218

CIVIL ENGINEERING

SURVEYING

ENVIRONMENTAL SERVICES

CONSTRUCTION SERVICES

GEOTECHNICAL

DRILLING

LANDSCAPE ARCHITECTURE

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Gosling Czubak
engineering sciences, inc.

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ATTACHMENTS

Att. 1 **Site Location Map**
Att. 2 **User Questionnaire**
Att. 3 **Topographic Maps**
Att. 4 **Site Photographs**
Att. 5 **EDR Environmental Database Search Report**
Att. 6 **Aerial Photographs**
Att. 7 **Sanborn Fire Insurance Maps**
Att. 8 **Property Tax Records**
Att. 9 **Owner Questionnaire**

Executive Summary

Gosling Czubak Engineering Sciences, Inc. (Gosling Czubak) conducted a Phase I Environmental Site Assessment (ESA) for the Little River Band of Ottawa Indians (LRBOI) pursuant to our proposal dated October 22nd, 2024. The approximate 38.69-acre subject property known as Sugar Shack, parcel ID #07-116-002-00 is in Section 16, T22N, R16W, Manistee, Manistee County, Michigan.

The subject property is currently vacant land and used for maple syrup production. Adjoining properties are currently used for residential and agricultural purposes.

The Phase I ESA has revealed evidence of recognized environmental conditions (RECs) associated with the subject property. The following constitute RECs in connection with the property:

- The 1954 through 1986 aerial photographs reveal parts of the western adjoining property being used as an orchard. The historical presence of an orchard nearby represents an environmental concern. Lead, arsenic, and chlorinated organic pesticides are known to have historically been used for pest control in orchards, and these contaminants can potentially remain in the soil. The potential of the neighboring orchard contaminating the subject property is of concern. These historical adjoining orchards constitute a REC in connection with the subject property.
- In the northwestern area of the subject property, dumping was observed in the wetlands. The potential of chemical contamination associated with this dumping is considered a REC in connection with the subject property.
- A larger dumping area was observed in the northwest area of the subject property. There is a stretch of the creek located on the property that has been used for dumping in the northwest area of the subject parcel. An automobile, several barrels and tires, and other miscellaneous items were observed to be dumped on the site. Some of this dumping is on the hillside and some of it is located in the wetlands. The presence of this dump site constitutes a REC in connection with the subject property. Possible soil and groundwater contamination may be present from the dumping activities.
- In the southeastern area of the subject property, there is oil well drilling activity recorded in 1976 and 1981. An in-ground mud pit was constructed for the containment of drilling fluids, according to information received from the Phase I conducted in 2009. Potential contamination from the mud pit and the overall production of petroleum is a potential source of soil and groundwater contamination. The historical oil well drilling activity on the subject property constitutes a REC in connection with the subject property.

- A baseline environmental assessment (BEA) was completed for the subject property in January of 2010, following a Phase I ESA preformed in September of 2009. The presence of a BEA performed on the site without remediation following the assessment constitutes a REC in connection with the subject property.

1.0 INTRODUCTION

1.1 Purpose and Scope of Services

This report presents the findings of a Phase I Environmental Site Assessment (ESA) of the property located south of Schoedel Road, in Manistee, Manistee County, Michigan. An aerial location map is included in Attachment 1. This assessment was performed to provide an independent, professional opinion regarding *RECs* (as defined by ASTM E 2247-16 Section 1.1.1), *CRECs* (as defined by ASTM E 2247-16 Section 3.2.17) and *HRECs* (as defined by ASTM E 2247-16 Section 3.2.39), in connection with the site.

1.2 Scope of Services

The scope of work for this Phase I ESA was based on the scope and limitations of (ASTM) Standard Practice E 2247-16 and included the following:

An evaluation of historical property usage. Material from county, state, and federal records was researched and reviewed. Contact was made with local and/or state health and environmental agencies to determine if any hazardous materials incidents had occurred on or in the area of the subject property: storage, treatment, disposal, or release of hazardous materials. Others who were knowledgeable about the property or local area and who were made available to Gosling Czubak were interviewed in an effort to determine prior use of the subject property, as well as to assess whether hazardous substances had been used or released at the site.

A site visit to assess current conditions, including identification of observable onsite hazardous or harmful materials and to evaluate potential indicators of hazardous substance or petroleum product storage, use, generation, or release on the subject property or areas or structures on adjoining properties. Observations and assessments of stressed vegetation, evidence of waste discharge or collection, fill materials, sink holes, wells, etc. are included within this report, if they were observed.

Report preparation that presents details regarding the contacts made, information obtained, data findings, and other pertinent information. Based upon findings, the report includes an opinion regarding the potential for environmental impairment associated with the subject property.

According to ASTM Standard Practice E 2247-16 Section 1.1.1, the term *REC* means 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. De minimis conditions are not *RECs, CRECs* (as defined below) or *HRECs* (as defined below).

CRECs are defined as conditions 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).

A *HREC* is defined as 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).

The guideline used for the definition of "hazardous substance" was obtained from Section 20101(1)(x) of the Natural Resources and Environmental Protection Act (NREPA, P.A. 451 of 1994, as amended) and includes:

- A substance which poses an unacceptable risk to the public health, safety, or welfare, or the environment, considering the fate of the material, dose-response, toxicity, or adverse impact on natural resources;
- Hazardous substances as defined in the comprehensive environmental response, compensation, and liability act of 1980, Public Law 96-510, 94 Stat. 2767;
- Hazardous waste defined in Part 111 (NREPA); and
- Petroleum as described in Part 213 (NREPA).

1.3 Significant Assumptions

Gosling Czubak personnel analyzed surface features on a topographic map for the location, and the likely direction of groundwater flow has been inferred. The direction in which groundwater is anticipated to flow has been considered in the formation of opinions regarding potential environmental impacts to the property. However, actual groundwater flow direction at the property may vary from the anticipated flow direction; therefore, site specific measurements of groundwater flow direction may be warranted when significant sources of environmental impact are identified in close proximity to the property.

There have been no other significant assumptions made in conducting this Phase I ESA.

1.4 Limitations and Exceptions

Access to the subject property was not limited at the time of the site visit. Access to the subject property was coordinated with Mr. David Karst, the owner representative of the subject property. Ms. Fern Sexton, project scientist with Gosling Czubak, was unaccompanied during the site visit on December 18th and 19th, 2024.

1.5 Special Terms and Conditions

Our client, the Little River Band of Ottawa Indians, has requested an environmental site assessment as an environmental due diligence practice. This assessment did not include a formal evaluation of "non-scope" considerations, including, but not limited to: wetlands, floodplains, radon, asbestos, lead in drinking water, lead-based paints, or emerging contaminants.

Information obtained for this ESA is only relevant as of the date of records review and of the site reconnaissance. The information contained herein is only valid as of the date of the report and may require revisions to reflect updated records or subsequent site visits.

The client should recognize that this report is not a comprehensive site characterization and should not be construed as such. The findings and conclusions presented in this report are predicated on the results of site reconnaissance, review of regulatory records, historical usage of the site, and conversations with knowledgeable parties. The absence of significant indicators suggesting that hazardous substances or

petroleum products have impacted the site does not preclude their presence. Therefore, this report should only be deemed conclusive with respect to the information obtained. No guarantee or warranty of the results of this ESA is made, either expressed or implied, in any correspondence, consultation, or within the content of this report.

It is possible that, even with conformance to the process requirements of ASTM E2247-16, conditions could exist on or near the subject property which could not be identified within the scope of the assignment or are not reasonably identifiable from readily available information.

This report is only intended to assist the user in making a reasonable assessment of risk with respect to potential environmental impact at the subject property. The information given in this report is based upon a review of documents and information reasonably available concerning the subject property, as presented. Portions of this assessment are based upon information that has been reported by persons claiming to have knowledge of the property. No warranty, either expressed or implied, is made as to the reliability or accuracy of the information obtained from outside sources.

1.6 User Reliance and Responsibilities

This report is prepared for the benefit of, and pursuant to an agreement between, Gosling Czubak Engineering Sciences, Inc. and its client, Little River Band of Ottawa Indians. Any use of this report by additional parties, or for any purposes other than that stated within this report, is expressly prohibited and not anticipated by Gosling Czubak. The use of, or reliance upon, this report by additional parties does not make any such parties a beneficiary of the agreement(s) between Gosling Czubak and its client and is undertaken at such party's own risk, unless otherwise stated. No expressed or implied warranties, guarantees, or representations are made to any such additional parties.

1.6.1 User Provided Information

Mr. David Karst completed the User Questionnaire provided by Gosling Czubak, which contains information pursuant to the user's responsibility described in Section 6.0 of the ASTM Standard E 2247-16, Standard for Environmental Site Assessment. The user completed questionnaire can be found within Attachment 2.

The answers provided by Mr. Karst are summarized in the sections below.

1.1.1.1 Environmental Liens or Activity and Use Limitations

The client did not report any (1) environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law or (2) Activity and land use limitations (AUL), such as engineering controls, land use restrictions or institutional controls that are in place at the subject property and/or have been filed or recorded in a registry under federal, tribal, state or local law.

Gosling Czubak reviewed a list of Enforcement Liens maintained by the Michigan Department of the Environment, Great Lakes & Energy (EGLE), Remediation and Redevelopment Division (RRD) for evidence of environmental liens on the subject property. No evidence of environmental liens on the subject property were indicated during our review on November 25th, 2024.

1.1.1.2 Specialized Knowledge or Experience

The client did not report any specialized knowledge or experience related to the subject property or nearby properties.

1.1.1.3 Property Valuation

As this assessment is not related to the purchase of the property, it was indicated that property valuation was not applicable under the current circumstances.

1.1.1.4 Known Uses

The client reported that the property was formerly used for cattle production.

1.1.1.5 Chemical Releases, Spills or Environmental Cleanups

The client reported that he was not aware of any spills or other chemical releases or any environmental cleanups that have taken place at the subject property. The client stated that as the user of the ESA, based on his knowledge and experience related to the property, there are possibly obvious indicators that point to the presence or likely presence of contamination at the property.

2.0 PHYSICAL SETTING

The subject property, known as parcel ID: 07-116-002-00, is located in Section 16, T22N, R16W, Manistee, Manistee County, Michigan. The subject property includes one parcel. The USGS topographic maps which encompass the subject parcel are included in Attachment 3.

2.1 Site and Vicinity General Characteristics

The subject property is located within an area characterized by agriculture, residential development, and vacant land. Agricultural zoned parcels are located to the south, west, and east of the subject parcel. North and northwest of the target property are parcels zoned for residential use. Much of the surrounding land appears to be forested or undeveloped. Schoedel Road is located to the north of the subject property, and the northern property boundary runs adjacent to it. The subject site itself is primarily vacant currently, with remnant trees from the historical orchard that was formerly maintained on the property.

2.2 Topographic and Geological Conditions

A current USGS 7.5 Minute Topographic Map showing the area where the property is located was reviewed. According to the USGS Topographic Map, Parkdale Quadrangle, the topography of the area is slightly undulating with an approximate property elevation of 646 feet above mean sea level.
The subject property is located within an area of quaternary geology consisting of end moraines of medium-textured till, described as gray, grayish brown, or reddish brown, unsorted glacial debris; matrix is dominantly loam and silt loam texture, variable amounts of cobbles and boulders. Occurs in narrow linear belts of hummocky relief marking former standstills of ice-sheet margin. Includes areas small areas of ground moraine, as well as outwash. Soil thickness tends to be somewhat greater than adjacent ground moraine areas. Typically, end moraines of medium-textured till are associated with moderate hydraulic permeability.
The dominant soil composition in the general area of the subject property is Kalkaska sand. The Kalkaska series consists of deep and well drained to excessively drained sands and gravels with high infiltration rates. These soils formed in sandy drift on outwash plains, valley trains, moraines, and stream terraces. Slope ranges from 0 to 70 percent. These soils are underlain by Ellsworth shale bedrock. Based on water well records in the area, the depth to the water table is approximately 80-110 feet below

ground surface. The nearest surface water to the subject property is Lake Michigan, located approximately 1.88 miles to the west of the subject property.

2.3 Descriptions of Structures, Roads and other Improvements

The subject property is currently a mix of forested and cleared vacant land. There is an access drive off of Schoedel Road traveling southward into the property, allowing maintained vehicle access into the area. A maple syrup production building is located 0.05 miles south of Schoedel Road, east of the access drive. A livestock pen is located at the southern terminus of the access drive. There is an unmaintained spur access trail that branches west at the end of the southern access trail. At the time of the site visit, the property was accessed via the southern access drive and then via foot, walking in a grid pattern to view accessible areas of the property. There is tubing and containers affiliated with maple syrup production in the northwestern area of the property.

There are currently no known utilities available at the subject property.

2.4 Current Use of the Subject Property

The subject property is currently unoccupied and is a mixture of retired pastureland and forested land. The site is referred to as the Sugar Shack as it has been utilized for maple syrup production and has the affiliated equipment. According to anecdotal evidence with the site manager, David Karst, the dumping site on the property is active and is being used by the public. The dumping is an activity that the property owners would like to have discontinue. Photographs depicting current property conditions are presented in Attachment 4.

2.5 Current Uses of Adjoining Properties

The adjoining properties consist of agricultural, residential properties, and vacant raw land. The subject property is bordered by the following properties:

North – Schoedel Road

North – Residential properties that are a mixture of forested and retired agricultural land, and an apparent empty lot (2750 Schoedel Road, parcel ID: 07-109-018-00, & parcel ID: 07-109-019-00)

Northwest – Residential property with mixture of forested and cleared land (2500 Schoedel Road)

East – Residential parcel with a mixture of cleared and forested area (4660 Orchard Highway)

Southeast – Primarily cleared lot, some forest (parcel ID: 07-116-004-00)

South – Residential lot, partially forested (2622 Bentoski Road)

Southwest – Mostly cleared area with creeks, some forest (parcel ID: 07-116-008-00)

West – Agricultural retired land that is partially forested (parcel ID: 07-116-006-00)

3.0 GOVERNMENT RECORDS REVIEW

3.1 Standard Environmental Record Sources

Data from standard federal and state environmental records sources are provided through a search of environmental records meeting or exceeding the specific requirements of ASTM Standard Practice for Environmental Site Assessments, E2247-16. The database search report was prepared by Environmental Data Resources Inc. (EDR) of Shelton, Connecticut. A copy of the EDR report is presented in Attachment 5.

A review of the federal and state environmental records listed below identified two (2) sites within the minimum search distances (MSD) provided. Some of the listed sites appear on multiple databases. A review of unmapped sites did not identify any sites within the minimum search distances that could potentially impact the environmental conditions at the subject property.

A summary of database search findings is presented below:

STANDARD ENVIRONMENTAL RECORD SOURCES	MINIMUM SEARCH DISTANCE (MSD)	SITES IDENTIFIED
Federal NPL Site List	1.00 mile	None
Federal Delisted NPL Site List	0.50 mile	None
Federal CERCLIS List (Active)	0.50 mile	None
Federal CERCLIS NFRAP List	0.50 mile	None
Federal RCRA CORRACTS Facilities list	1.00 mile	None
Federal RCRA TSD Facilities List	0.50 mile	None

STANDARD ENVIRONMENTAL RECORD SOURCES	MINIMUM SEARCH DISTANCE (MSD)	SITES IDENTIFIED
Federal RCRA Generators (Large, Small and Non-Generators) List	Subject Property and Adjoining Properties	None
Federal Institutional / Engineering Controls Registries	Subject Property	None
Federal ERNS List	Subject Property	None
State Part 201/Tribal Haz. Waste Sites Lists	1.00 mile	None
State/Tribal SWF/Landfill Site Lists	0.50 mile	None
State/Tribal LUST Lists	0.50 mile	None
State/Tribal UST/AST Lists	Subject Property and Adjoining Properties	None
State/Tribal Engineering Controls Registry	Subject Property	None
State/Tribal Institutional Controls Registry	Subject Property	None
State/Tribal Voluntary Cleanup Sites	0.50 mile	None
State/Tribal Brownfield Sites	0.50 mile	None

EDR searched additional reasonably ascertainable databases. A summary of findings is listed below:

ADDITIONAL ENVIRONMENTAL RECORD SOURCES	MINIMUM SEARCH DISTANCE (MSD)	SITES IDENTIFIED
State Other (BEA)	0.50 mile	None
Local Brownfield lists	0.50 mile	None
Local Lists of Landfill/Solid Waste Disposal Sites	0.50 mile	None
Local Lists of Part 201 Sites	1.00 mile	**1 Site**
Local Lists of INVENTORY Sites	0.50 mile	None

ADDITIONAL ENVIRONMENTAL RECORD SOURCES	MINIMUM SEARCH DISTANCE (MSD)	SITES IDENTIFIED
Local Lists of DEL Part 201 Sites	1.00 mile	None
Local Land Records (LIENS, LIENS2)	Subject Property	None
FINDS	Subject Property	None
ENVIRO	0.001 mile	**1 Site**
ECHO	Subject Property	None
WDS	Subject Property	None
NPDES	Subject Property	None
Unmapped Sites	0.50 mile	None

3.1.1 Subject Property Listings

The EDR database report did identify the subject property on the referenced database lists, specifically as an ENVIRO listing. This listing was related to construction activities where the land meets the water. The documents related to the listing were retrieved from the EDR report, and reviewed. After review of the construction documents it has been determined that the ENVIRO listing is not a REC in relation to the subject property.

3.1.2 Adjoining Property Listings

The EDR database report did not identify any of the adjoining properties on the referenced databases.

3.1.3 Other Sites within Minimum Search Distances

Based on information provided within the EDR report, it was determined that the other sites within the minimum search distances from the subject property are not expected to have an adverse environmental impact on the subject property. These findings were based on the direction and distance of the identified site from the subject property; known or inferred groundwater flow direction in the subject property area, and barriers, structures or boundary conditions located between the identified site and the subject property.

3.1.4 Unmapped or Ophan Sites

EDR did not have any unmapped or orphan sites listed in connection to the subject property.

3.2 Additional Governmental Record Sources

The following additional environmental record sources were consulted to obtain additional information concerning environmental conditions at the subject property.

3.2.1 EGLE Dataminer

The State of Michigan Department of EGLE – Oil, Gas, & Minerals Division maintains an online database of permitted oil, gas, and mineral well locations. Gosling Czubak reviewed this database for the subject and adjoining properties and found records of onsite oil, gas, or mineral well drilling activity for the subject property and the western, northwestern, northeastern, southern, and southeastern adjoining parcels.

- The subject property was identified as having a historical oil well, with drilling records from 1976. An oil well was drilled and completed on the property in May of 1976. This oil well was identified as Zielinski Et Al No. 4-16, API Well #21-101-30881-00-00. The final plugging was approved by the State of Michigan's Department of Natural Resources Geological Survey Division in August of 1976.
- The subject property was identified as having a historical dry hole with drilling records from 1981. The property was drilled in July of 1981. This site was identified as Schoedel Et Al No. 6-16, API Well # 21-101-34708-01-00. The final plugging was approved by the State of Michigan's Department of Natural Resources Geological Survey Division in July of 1981.
- The subject property is adjoined to the west by a historical dry hole with drilling records from 1981. This site is identified as Sharnowski No. 1-16, API Well #21-101-34301-00-00. This dry hole was approved for plugging in January of 1981.
- The subject property is adjoined to the northwest by a historical oil well which was permitted to be drilled in April of 1982. This site is identified as Bartosiewicz No. 2-9, API Well # 21-101-35691-00-00. This oil well was approved for plugging in July of 1985.
- The subject property is adjoined to the northeast by a historical dry hole which was permitted to be drilled in August of 1976. This site is identified as Wendt Et Al, No. 1-9, API Well # 21-101-31152-00-00. This dry well was approved for plugging in August of 1976.

- The subject property is adjoined to the south by a historical oil well which was permitted to be drilled in December of 1974. This site is identified as Modjeski, A E, no. 2-16, API Well # 21-101-30112-00-00.

Mud pits associated with drilling activities have the potential to leak and potentially contaminate the underlying subsurface. Additionally, petroleum released from oil production can be a source of soil and/or groundwater contamination. The presence of these drilling activities constitutes a REC in connection with the subject property.

4.0 HISTORICAL RECORDS REVIEW

The objective of consulting historical sources is to develop a history of the previous uses of the subject property and adjoining parcels in order to evaluate potential *RECs, CRECs, or HRECs*. Standard Historical Sources reviewed as required under ASTM 2247-16 are those historical sources that are reasonably ascertainable and likely to be useful. These sources are discussed below.

4.1 Aerial Photographs

Aerial photographs from 1938, 1954, 1965, 1977, 1986, 1993, 1996, 1998, 2006, 2009, 2012, 2016, and 2020 were reviewed as part of this ESA. Aerial photographs prior to 1938, if any exist, were not readily available for review and inclusion within this report. The aerial photographs were provided by EDR. Copies of the aerial photographs are included within Attachment 6, and details are discussed below:

DATE	AERIAL PHOTOGRAPH REVIEW
1938	The southern 1/3 of the subject property appears to be cleared with an agricultural plot. The central and western section of the subject area are forested. The northern portion of the plot is cleared of vegetation. The southern adjoining properties appear to be used for a mix of agricultural purposes, with plots visible and other areas cleared of forestation. To the west, the adjoining property has a large patch of forested land with some agricultural plots to the south and north of the lot. Schoedel Road is clearly visible to the north of the subject area. There are visible structures and small orchard patches surrounded by other agricultural plots to the northwest of the subject property. East and northeast of the subject area has cleared agricultural plots with mixed in forested area.
1954	The established agricultural plot on the southern portion of the subject property has expanded in size a bit, stretching further north and east. The northcentral section of the property has an established agricultural plot. The western and central area of the property has maintained being forested. There is an access route traversing north to south on the property, stopping at the south end of the central forested section of the property. A diagonal southwest to northeast clearing is established in the southern half of the central forested area. Orchards are established on the northern and southern portion of the western adjoining property, while the central portion is still forested. Adjacent to the southeast corner there is some development growing. The other adjoining properties do not appear to have significant changes.

DATE	AERIAL PHOTOGRAPH REVIEW
1965	The established agricultural plots on the property are no longer visible, however, are still cleared area. There is a narrow east to west cleared route through the forestation on the west side of the property. There does not appear to be significant changes between 1954 and 1965.
1977	A well-defined access route traversing south off of Schoedel Road travels through the property to the south of the subject area. In the southwest of the subject area there is a large clearing that is discolored from the surrounding area. There is a wide clearing traveling east to west at the southwest section of the property and traveling northeast, extending onto the southwest and eastern adjoining properties. The adjacent southeast property appears to be more developed.
1986	Much of the discoloration in the south of the subject area is gone, although, the area is still cleared. The adjoining orchards on the western and northwestern parcels appear to be retired. A clearing has been made in the center of the historically forested area on the adjoined western property. The southern area has forestation expanding in the previously cleared area.
1993	There does not appear to be significant changes on the subject property between 1986 and 1983, other than the east to west trail on the northwest of the property no longer being visible. It appears that the southern cleared area is possibly being used for cattle. The previously adjoining orchards appear to be completely removed.
1996	Some of the areas visibly impacted from cattle have become more naturalized. The eastern, southern, and northern adjoining properties appear to have forestation growing in more densely.

DATE	AERIAL PHOTOGRAPH REVIEW
1998	There is a building structure visible on the western adjoining property. There does not appear to be significant changes on the subject property between 1996 and 1998.
2006	The southern adjoining property has denser forestation. The development adjoining the northwest corner has additional building structures visible. It appears the land is still impacted from cattle in the southern area of the subject property, although, it looks to have become smaller in size and more naturalized. There is obvious soil discoloration at the south end of the access trail.
2009	The impact from having cattle is no longer visible. It appears there is possible a structure at the south end of the north to south traveling trail on the property. Any development adjacent to the southeast corner appears to be gone. In the southwest adjoining property, there appears to be impact from cattle. There does not appear to be significant changes between 2006 and 2009.
2012	The north to south trail has become more naturalized. There is a rectangular shape where the structure was previously noted to be visible on the south end of the trail. The eastern adjoining property has become denser with forestation.
2016	There does not appear to be significant changes to the subject property and surrounding area between the dates of 2012 and 2016, other than the additional of a building structure on the east side of the access trail in the northern ¼ of the property. There is a visible bare area on the ground in the southeast corner of the subject property.

DATE	AERIAL PHOTOGRAPH REVIEW
2020	The north to south access trail appears to be more prominent and is slightly wider north of the building structure on the east side of the route. The clearing that travels southwest to northeast on the property appears to be a powerline right of way.

A review of the aerial photographs identified the following condition to be of concern:

- The 1954 through 1986 aerial photos reveal the western adjoining property being utilized as an orchard on the northern and southern area. Due to the potential of lead arsenate and/or other chemicals having the potential to have traveled to the subject property, the historical presence of orchards to the west represents a potential environmental concern.

4.2 Historical Fire Insurance Maps

Due to the subject property and vicinity being generally rural and outside of the city limits, historical fire insurance maps showing the subject property and vicinity were not available. Certification as an unmapped property is included in Attachment 7.

4.3 Property Tax Files

According to the Manistee County online tax parcel search map, the subject property consists of one parcel with parcel ID # 07-116-002-00 and is owned by United States in Trust for Little River Band of Ottawa Indians. A copy of the local tax information was obtained through the Manistee County online parcel search. A copy of the property tax record can be found within Attachment 8.

4.4 Historical Topographic Maps

The U.S. Geological Survey (USGS) 1954 "Manitowoc, Wisconsin; Michigan", 1956 15-minute quadrangle map "Bar Lake", 1958 "Manitowoc, Wisconsin; Michigan", 1976 7.5-minute quadrangle map "Bar Lake SE", 1982 7.5-minute quadrangle map "Onekama", 1983 30 X 60 minute quadrangle map "Manistee", 2012 7.5-minute quadrangle map "Parkdale", 2014 7.5-minute quadrangle map "Parkdale", 2017 7.5-minute quadrangle map "Parkdale", 2019 7.5-minute quadrangle map "Parkdale",

and 2023 7.5-minute quadrangle map "Parkdale" were reviewed to obtain information concerning the land usage history of the site and surrounding area.
Review of the topographic maps did not reveal RECs associated with the subject property. Copies of the Topographic Maps are included in Attachment 3.

4.5 Local City Directories

Local City Directories were not obtained as a part of the Phase I Environmental Site Assessment. This resource is typically available in more developed and/or metropolitan areas. Due to the historically rural nature of the property, a city directory search was not conducted.

4.6 Building Department Records

Gosling Czubak sent Freedom of Information Act (FOIA) requests to the Manistee Township clerk and District Health Department #10 regarding any building department records on file. The health department listed that no records were on file for the subject parcel, and the township did not respond with any records.

4.7 Zoning/Land Use Records

According to the Manistee County Parcel Information Map, the subject property class is 402 – Residential Vacant. According to the Manistee Township Zoning Map (effective: 2009), the property is zoned Little River Band Parcels.

4.8 Other Historical Sources

Baseline Environmental Assessment (BEA) documents were retrieved from the Michigan Department of Environment, Great Lakes, and Energy (EGLE) RIDE Mapper. The BEA was completed on January 27th, 2010. The Phase I Environmental Site Assessment (ESA) accompanying the BEA was completed on September 17th, 2009. These assessments were completed by Environmental Consultants & Services, Inc. of Traverse City, MI. At the time that the ESA was completed, two RECs were identified on the property. These RECs are summarized as follows:

- *The presence of a buried oil and gas well mud pit and production activities on the property is a REC.*

- *The presence of historic orchards on an adjacent parcel where pesticide drift may have impacted the property is a REC.*

Analysis of subsurface samples collected in 2009 confirmed the presence of regulated substances in groundwater at levels that exceed regulation limits, therefore defining the property as a "*facility*"

Review of the BEA and ESA documents provided further historical information regarding the subject property. Six surface soil samples were taken from the western property lines, adjacent to the adjoining properties historic orchards. It was found that all arsenic concentrations were below criteria standards and therefore were not a source of contamination.

Additional information was provided regarding the oil and gas well on the southeastern part of the property. According to interview testimony, an in-ground mud pit was constructed to hold drilling fluids during the drilling process. According to the report, mud pits are typically solidified or encapsulated then buried, which give them the potential to leak and impact the underlying subsurface. At the time of these assessments, samples were taken from the edges of the drill pad. Groundwater samples from these locations indicated chloride concentrations exceeded Part 201 restrictions.

An updated Phase I ESA was completed on September 12th of 2018. This assessment was conducted by AKT Peerless of Saginaw Michigan. The information retrieved from this assessment included a building structure on the property which was constructed between 2014 and 2016, and is seasonally used for maple syrup production.

Two RECs were identified during this assessment, these RECs are summarized as follows:

- *Two exploratory oil wells were advanced on the subject property in 1976 and 1981, with associated drilling fluids and wastes stored on the subject property during drilling activities. One oil well was dry, and one briefly produced oil from May to August 1976. AKT Peerless' research was unable to determine waste removal activities associated with the development of the wells, the known quantity produced (e.g. daily, annually, etc.), oil storage methods, and general maintenance of the wells over time. The possibility exists that hazardous substances and/or petroleum products may have impacted the subsurface of the subject property. In AKT Peerless' opinion, the presence of oil drilling activities and production with associated wastes constitutes a REC.*

- *An orchard was historically in operation on the western adjoining property from at least 1953 to 1977. Historic orchard operations during that time period included the application of lead arsenate as a pesticide. The possibility exists that wind-borne lead arsenate may have drifted onto the subject property and may have impacted the subsurface of the subject property. In AKT Peerless' opinion, the historical use of the western adjoining property as an orchard constitutes a REC to the subject property.*

4.9 Historical Data Failures

According to the latest ASTM standard, historical research is complete when either the objective of developing a history of previous uses of the subject and adjoining properties has been achieved, or data failure is encountered. Data failure of identifying historical uses at five-year intervals back to first use or 1938 was not encountered during this assessment.

5.0 SITE RECONNAISSANCE

The objective of the site reconnaissance is to obtain information indicating the likelihood of identifying *RECs, CRECs or HRECs* in connection with the subject property.

5.1 Methodology and Limiting Conditions

The methodology used during the site reconnaissance consisted of a site walk-over, physically observing indicators of past and current use(s) of the property and adjoining properties, geologic, hydrogeologic, hydrologic, and topographic conditions, and potential *RECs, CRECs or HRECs*, if any, in connection with the subject property.

Ms. Fern Sexton, Project Scientist with Gosling Czubak, conducted the site reconnaissance unaccompanied on December 18th and 19th, 2024. The weather was approximately 30°F and overcast with occasional snow coverage at the time of the site visit. Copies of photographs taken during the site reconnaissance are presented in Attachment 4.

The subject property was viewed to the extent practical by walking in a grid pattern and using the 2020 aerial photograph to assist in evaluating and identifying physical features of the subject property. Gosling Czubak did not encounter any specific conditions that restricted review of the subject property.

5.2 General Site Setting

Descriptions of site improvements and current and past uses of the subject property and adjoining properties were discussed in Sections 2.1 through 2.5 and are consistent with observations during the site reconnaissance.

5.3 Exterior Observations

Based on observations of the exterior of the subject property at the time of the site visit, the following items were noted and evaluated.

FEATURES WITH POTENTIAL ENVIRONMENTAL CONCERN	OBSERVED?
Above ground storage tanks (ASTs)	No
Discharges of water/wastewater/other liquids	No
Drums or containers over five-gallon capacity	Yes
Dumping, soil piles, or site filling	Yes
Fuel dispensers	No
High-voltage powerlines	Yes
Odors	No
Pipeline markers	Yes
Pits, ponds or lagoons	No
Railroad tracks or spurs	No
Septic systems or cesspools	No
Stained soil or pavement	No
Stressed vegetation	No
Solid waste, trash, or other debris	Yes
Underground storage tanks (USTs), fill ports, or vent pipes	No

FEATURES WITH POTENTIAL ENVIRONMENTAL CONCERN	OBSERVED?
Wash, mixing or cooling pads	No
Water supply or monitoring wells	No

5.3.1 Water and Sewer Systems

There are no water or sewer systems within the subject property.

5.4 Interior Observations

The subject property does currently contains only a small structure related to maple syrup production. Access to this structure was not granted at the time of the site visit.

5.4.1 Hazardous Substances and Petroleum Products

There were no signs of hazardous substances or petroleum products within the subject property.

5.4.2 Heating Fuel

There were no signs of heating oil or a heating fuel storage tank within the subject property.

5.4.3 Solid and Liquid Waste Generation

The generation, storage or disposal of liquid or solid waste was observed at the subject property. Two separate dumping piles used for waste disposal and storage were observed and have been addressed in this report.

5.4.4 Potable Water Supply and Sewage Disposal System

There were no signs of a potable water supply or sewage disposal system within the subject property.

6.0 INTERVIEWS

The objective of interviews is to obtain information, regarding the subject property, that may indicate the presence of a *REC* in connection with the subject property.

6.1 Interview with Current Owner

The interview that is typically conducted with the owner was instead completed by the site manager. The details of this interview are contained in section 6.3 of this report.

6.2 Interview with Former Owner

Access through reasonable methods to former owner(s) of the subject property was not readily available during this Phase I ESA. Therefore, past owner's entities, historical operators, or historical occupants of the subject property were not interviewed during this Phase I ESA.

6.3 Interview with Site Manager

An interview was conducted with Mr. David Karst. Mr. Karst was elected to represent the subject property. Questions about the subject property were answered to the best of their knowledge. Within the interview, Mr. Karst indicated that the site has an open dump located next to and on a wetland. Amongst the dumped materials, he noted there being a car, old washer, numerous barrels, tires, amongst other items. It was mentioned that this dump has been present for at least a couple of decades and was present at the time of purchase by the current owner.

A copy of the Environmental Assessment Questionnaire completed by Mr. David Karst and Gosling Czubak is included within Attachment 9.

6.4 Interview with Occupant(s)

Gosling Czubak did not conduct interviews with occupants during this assessment.

6.5 Interview with Local Government Officials

The following local municipal agencies were contacted to obtain additional information regarding the current and historical uses of the subject property and the potential presence of conditions indicating a *REC* in connection with the subject property.

- Manistee Township, Phone (231) 723-6507, formal request submitted via email
- District Health Department #10, Phone (231) 303-1805, formal request submitted via email
- Manistee County FOIA Coordinator, Phone (231) 398-3504, formal request submitted via email

- Manistee County Sherrif's Office, Phone (231) 723-8393, formal request submitted via email

The agencies identified above did not have immediate knowledge or records of *RECs* regarding the subject property.

6.6 Interview with Others

Gosling Czubak did not conduct interviews with adjoining or nearby property occupants during this assessment.

7.0 FINDINGS, OPINIONS AND CONCLUSIONS

Gosling Czubak Engineering Sciences, Inc. (Gosling Czubak) has conducted a Phase I Environmental Site Assessment (ESA) of the property located south of Schoedel Road, in Manistee, Manistee County, Michigan. This Phase I ESA was performed in general accordance with the scope and limitations of American Society for Testing and Materials (ASTM) Standard Practice E 2247-16 (Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process). Any exceptions to or deletions from this practice are described in Section 9.0 of this report.

The approximate 38.69-acre subject property known as Sugar Shack, parcel ID #07-116-002-00 is in Section 16, T22N, R16W, Manistee, Manistee County, Michigan. The subject property is currently a combination of vacant and forested land. Adjoining properties are currently classified as being vacant or utilized for agricultural and residential purposes.

7.1 Recognized Environmental Conditions

The Phase I ESA has revealed evidence of recognized environmental conditions (RECs) associated with the subject property. The following constitute RECs in connection with the property:

- The 1954 through 1986 aerial photographs reveal parts of the western adjoining property being used as an orchard. The historical presence of an orchard nearby represents an environmental concern. Lead, arsenic, and chlorinated organic pesticides are known to have historically been used for pest control in orchards, and these contaminants can potentially remain in the soil. The potential of the neighboring orchard contaminating the subject property is of concern. These historical adjoining orchards constitute a REC in connection with the subject property.

- In the northwestern area of the subject property, dumping was observed in the wetlands. The potential of chemical contamination associated with this dumping is considered a REC in connection with the subject property.
- A larger dumping area was observed in the northwest area of the subject property. There is a stretch of the creek located on the property that has been used for dumping in the northwest area of the subject parcel. An automobile, several barrels and tires, and other miscellaneous items were observed to be dumped on the site. Some of this dumping is on the hillside and some of it is located in the wetlands. The presence of this dump site constitutes a REC in connection with the subject property. Possible soil and groundwater contamination may be present from the dumping activities.
- In the southeastern area of the subject property, there is oil well drilling activity recorded in 1976 and 1981. An in-ground mud pit was constructed for the containment of drilling fluids, according to information received from the Phase I conducted in 2009. Potential contamination from the mud pit and the overall production of petroleum is a potential source of soil and groundwater contamination. The historical oil well drilling activity on the subject property constitutes a REC in connection with the subject property.
- A baseline environmental assessment (BEA) was completed for the subject property in January of 2010, following a Phase I ESA preformed in September of 2009. The presence of a BEA performed on the site without remediation following the assessment constitutes a REC in connection with the subject property.

7.2 Controlled Recognized Environmental Conditions

This assessment has revealed no evidence of known *CRECs* associated with the subject property.

7.3 Historical Recognized Environmental Conditions

This assessment has revealed no evidence of known *HRECs* associated with the subject property.

8.0 DEVIATIONS

Gosling Czubak did not deviate from ASTM Standard Practice E 2247-16 when completing this assessment.

8.1 Data Gaps

No significant data gaps associated with information related to the development of the subject property were noted. Information related to the use of the subject property prior to 1938 was not reviewed as part of this ESA.

9.0 ADDITIONAL INVESTIGATION

Gosling Czubak recommends the completion of a Phase II Environmental Site Assessment to evaluate the site for the presence of hazardous materials.

10.0 ADDITIONAL SERVICES

No additional services between Gosling Czubak and our client, Little River Band of Ottawa Indians, were undertaken in conjunction with the completion of this Phase I ESA.

11.0 REFERENCES

The following published sources were used in preparing this Phase I ESA report:

- Property Legal Description/Current Parcel Information – published by Manistee County
- The U.S. Geological Survey (USGS) 1954 "Manitowoc, Wisconsin; Michigan", 1956 15-minute quadrangle map "Bar Lake", 1958 "Manitowoc, Wisconsin; Michigan", 1976 7.5-minute quadrangle map "Bar Lake SE", 1982 7.5-minute quadrangle map "Onekama", 1983 30 X 60 minute quadrangle map "Manistee", 2012 7.5-minute quadrangle map "Parkdale", 2014 7.5-minute quadrangle map "Parkdale", 2017 7.5-minute quadrangle map "Parkdale", 2019 7.5-minute quadrangle map "Parkdale", and 2023 7.5-minute quadrangle map "Parkdale" – published by USGS topoView
- Environmental Database Report, Government Records Search, Instant Online Report – published by EDR;
- Historical Aerial Photographs – provided by EDR
- Manistee County Parcel Search and Mapping
- Michigan's EGLE GeoWebFace
- Michigan Oil, Gas, and Minerals Division Data Explorer

12.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

We declare that, to the best of our professional knowledge and belief, we meet the definition of, or is under the direct supervision of, an environmental professional as defined in §312.10 of 40 CFR Part 312. We have the specific qualifications based on education, training and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed "all appropriate inquiries" in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared by:

Fern Sexton
Project Scientist

Reviewed by:

Adam E. Segerlind, PE.
Project Manager/Senior Environmental Engineer

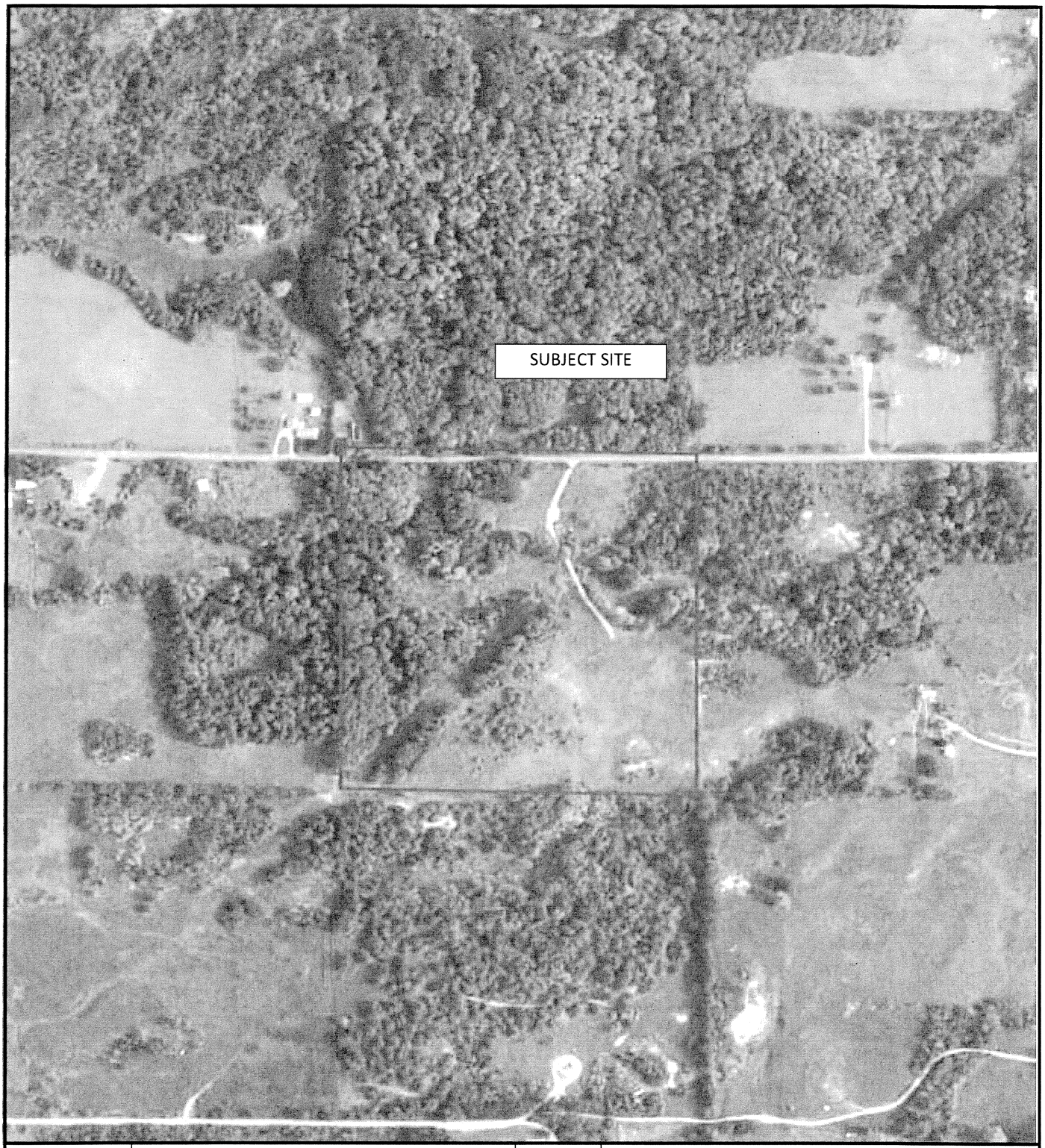
13.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

Ms. Fern Sexton received her Bachelor of Science Degree in Environmental Science in 2023 from the University of Michigan in Ann Arbor, Michigan. Ms. Sexton has performed Phase I and Phase II Environmental Site Assessments, wetland delineations, and other environmental due diligence tasks. Fern has working knowledge of current environmental regulations as well as the necessary skills to complete field reconnaissance, testing, monitoring, site recording, and mapping. Ms. Sexton has completed HAZWOPER (40-Hour) training.

Mr. Adam Segerlind is a professional engineer with over 20 years of experience in environmental consulting. He is a registered professional engineer in the State of Michigan. Mr. Segerlind has performed Environmental Site Assessments for municipal, commercial, industrial, and private clients throughout Michigan. In addition to performing environmental site assessments, Mr. Segerlind prepares hydrogeological work plans, performs hydrogeological and remedial investigations, evaluates remedial alternatives, and prepares and implements corrective action plans for sites of environmental contamination.

Attachment 1

Site Location Map



Aerial Date	2020	NORTH	Gosling Czubak engineering sciences inc	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Aerial Source	USDA/NAIP		GCES Project No:	240218

Attachment 2

User Questionnaire

Gosling
engineering sciences, inc.

USER QUESTIONNAIRE

Site Name:	Sugar Shack
Site Address:	Parcel 51-07-116-002-00, Manistee Township, Michigan
Site City/State:	
Client:	Little River Band of Ottawa Indians

This questionnaire should be completed by the User of the Environmental Site Assessment Report in order to qualify for one of the Landowner Liability Protections offered by the Small Business Liability Relief and Brownfields Revitalization Act (as amended). The User should provide the following information to the environmental professional. Failure to conduct these inquiries could result in a determination that "all appropriate inquiries" is not complete.

QUESTION	USER Yes/No/Unknown
under federal, tribal, state or local law?	no
2. Are you aware of any activity and use limitations (AULs), such as *engineering controls,* land use restrictions or *institutional controls* that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?	no
3. As a *user* of this *ESA* do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an adjoining *property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?	no
4. Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property?* If you conclude that there is a difference, have you considered whether the lower price is because contamination is known or believed to be present at the *property?*	Na-this is not a purchase.
Sa. Do you know the past uses of the *property?*	Cattle Production
Sb. Do you know the specific chemicals that are present or once were present at the *property?*	Unsure
Sc. Do you know of spills or other chemical releases that have taken place at the *property?*	Unsure
5d. Do you know of any environmental cleanups that have taken place at the *property?*	No
6a. As the user of this ESA, based on your knowledge and experience related to the *property,* are there any *obvious* indicators that point to the presence or likely presence of contamination at the *property?*	Possibly

his Q C dB

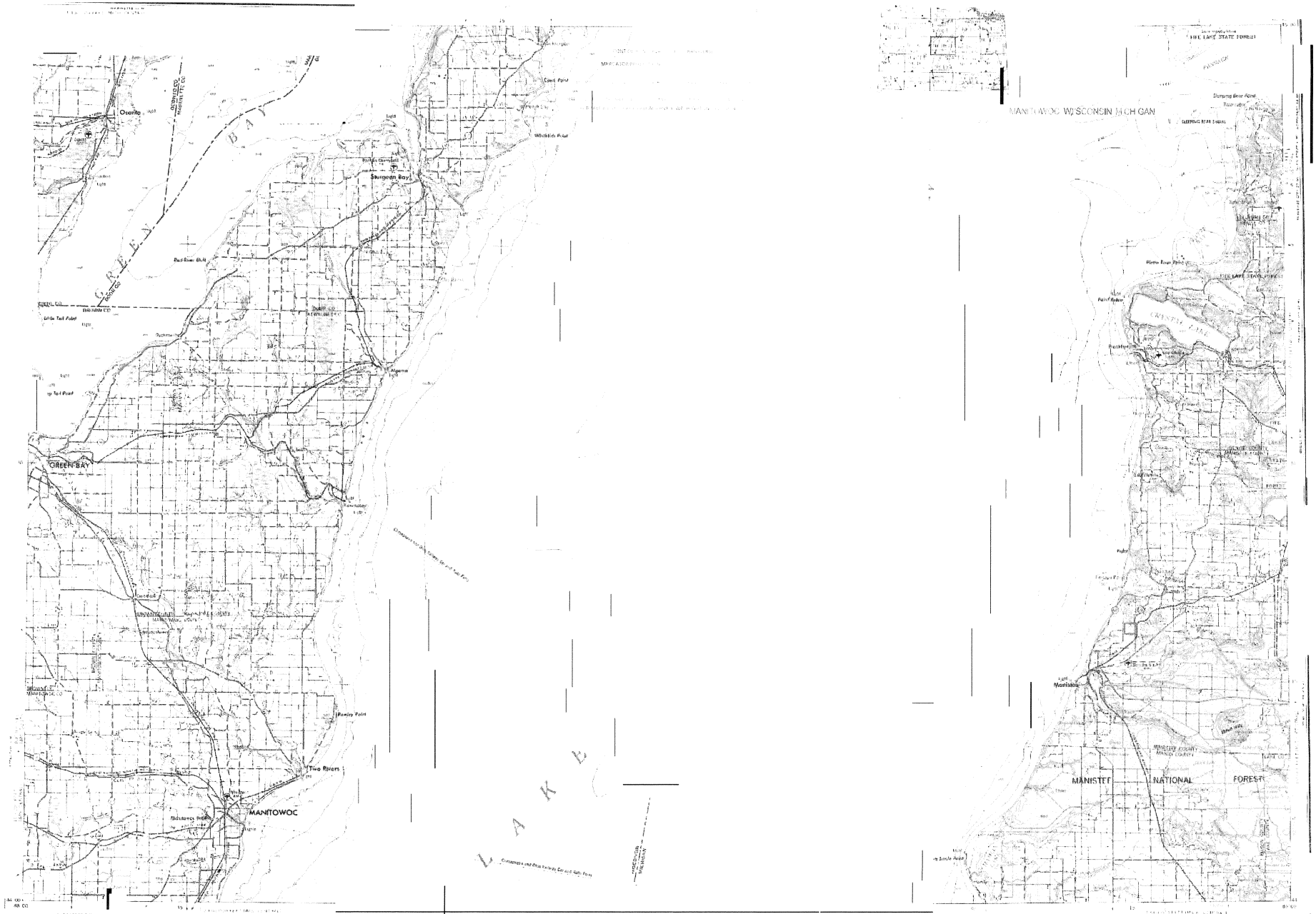
Name:	David Karst
Signature:	(Qi:) 11-
Title:	Brownfield Specialist
Company:	Little River Band of Ottawa Indians
Date:	11/15/2024

Attachment 3

Topographic Maps



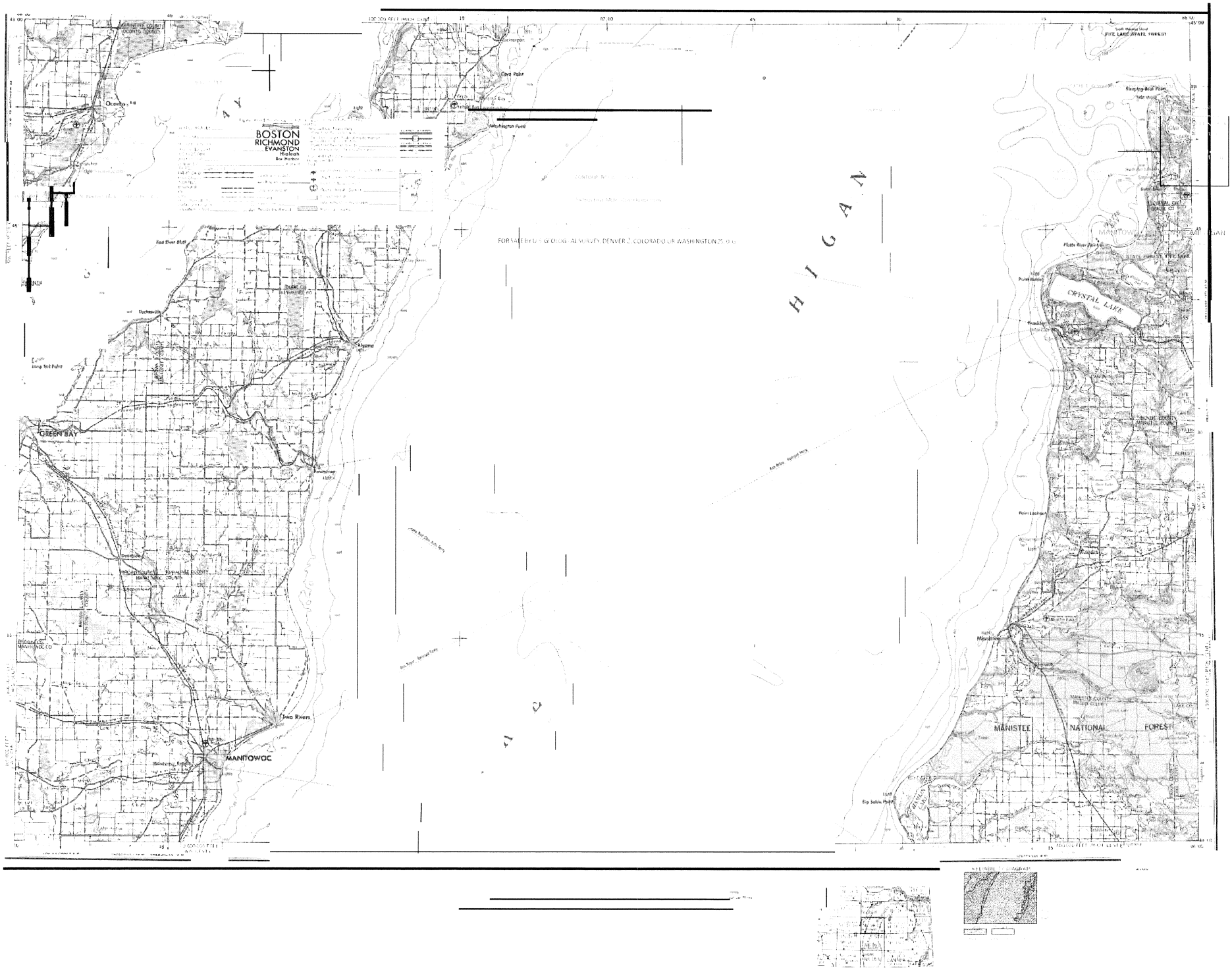
USGS 1:250,000 SERIES (ARC SCAN)



BOSTON
RICHMOND
EVANSTON
Moab
San Rafael


MANITOU




BOSTON
RICHMOND
EVANSTON
Hialeah
Bay Harbor
FOR SALE BY U. S. GEOLOG. SURVEY, DENVER 2, COLORADO OR WASHINGTON 25, D. C.
HIGAN
GREEN BAY
MANITOWOC
MANISTEE
NATIONAL
FOREST
CRYSTAL LAKE



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UNITED STATES DEPARTMENT
OF THE INTERIOR

GEOLOGICAL SURVEY

ONEKAMA QUADRANGLE MICHIGAN—M
ANISTEE CO.
7.5 MINUTE SERIES TOPOGRAPHIC

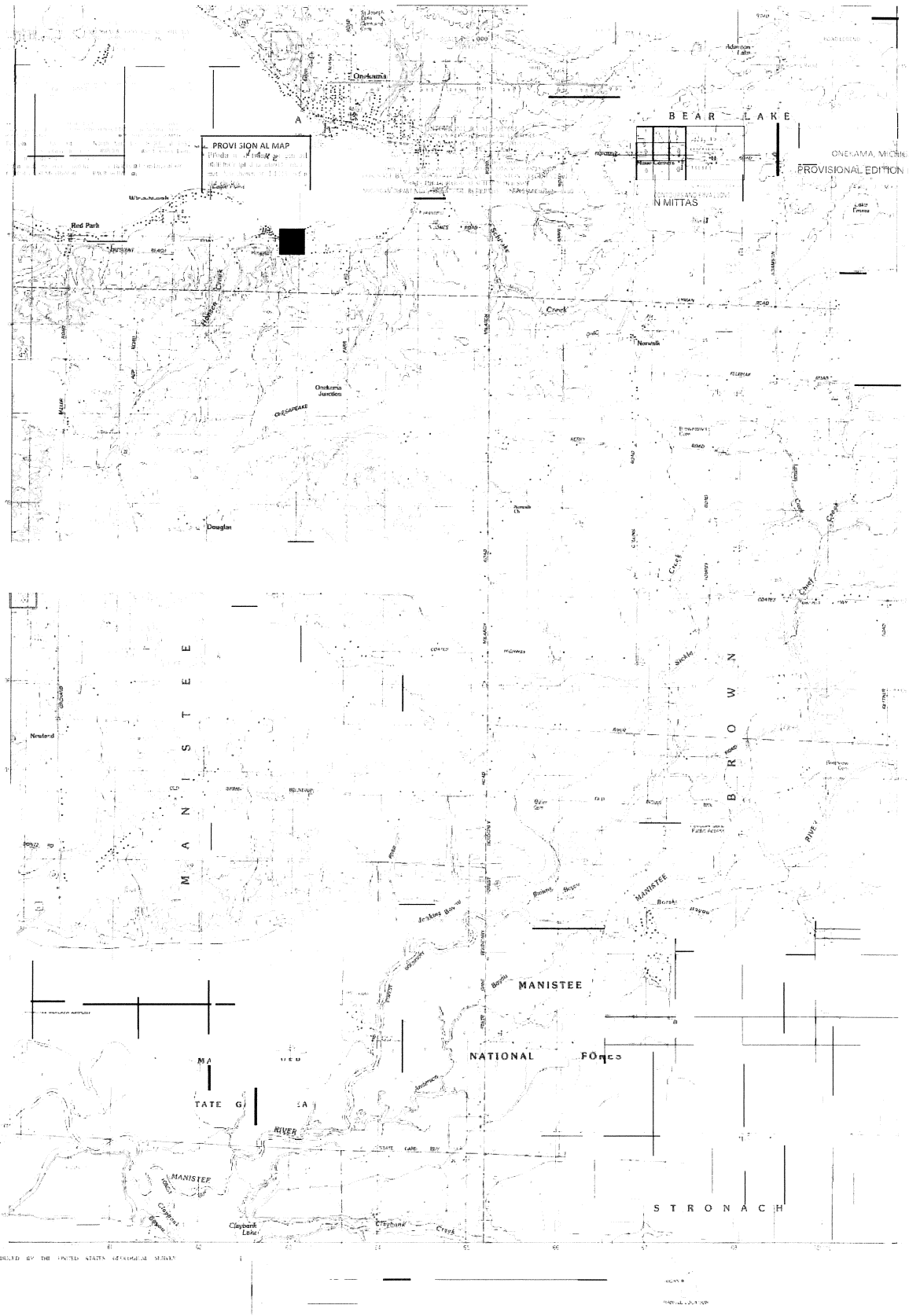
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Manistee

MICHIGAN-WISCONSIN

1:100 000-scale metric topographic map



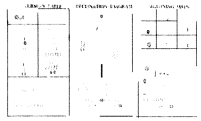
SHOWING

- Contours and elevations in meters
- Hydrography, transportation, manmade structures
- Water features
- Wooded and open areas
- Geographic names

OCT 21 1994

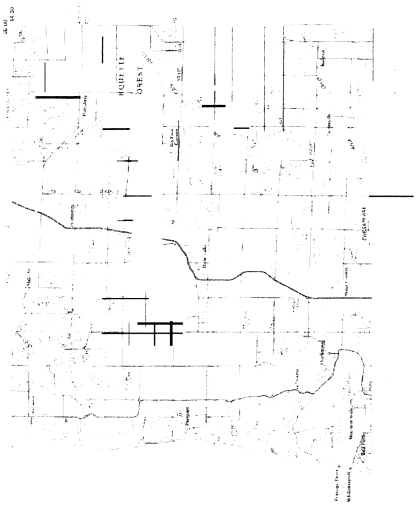
GEOLOGICAL SURVEY

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS



Topographic Map Symbols



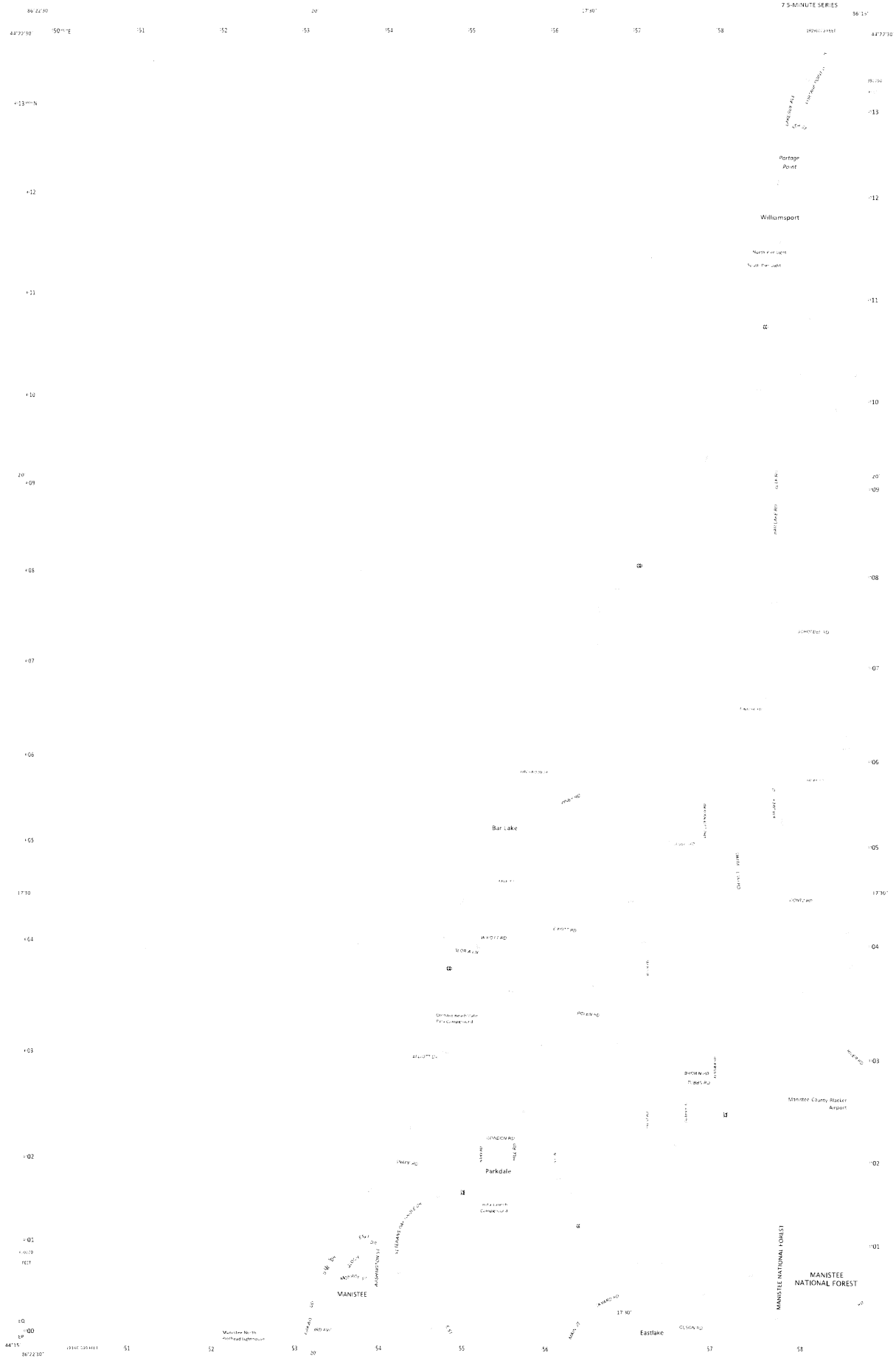


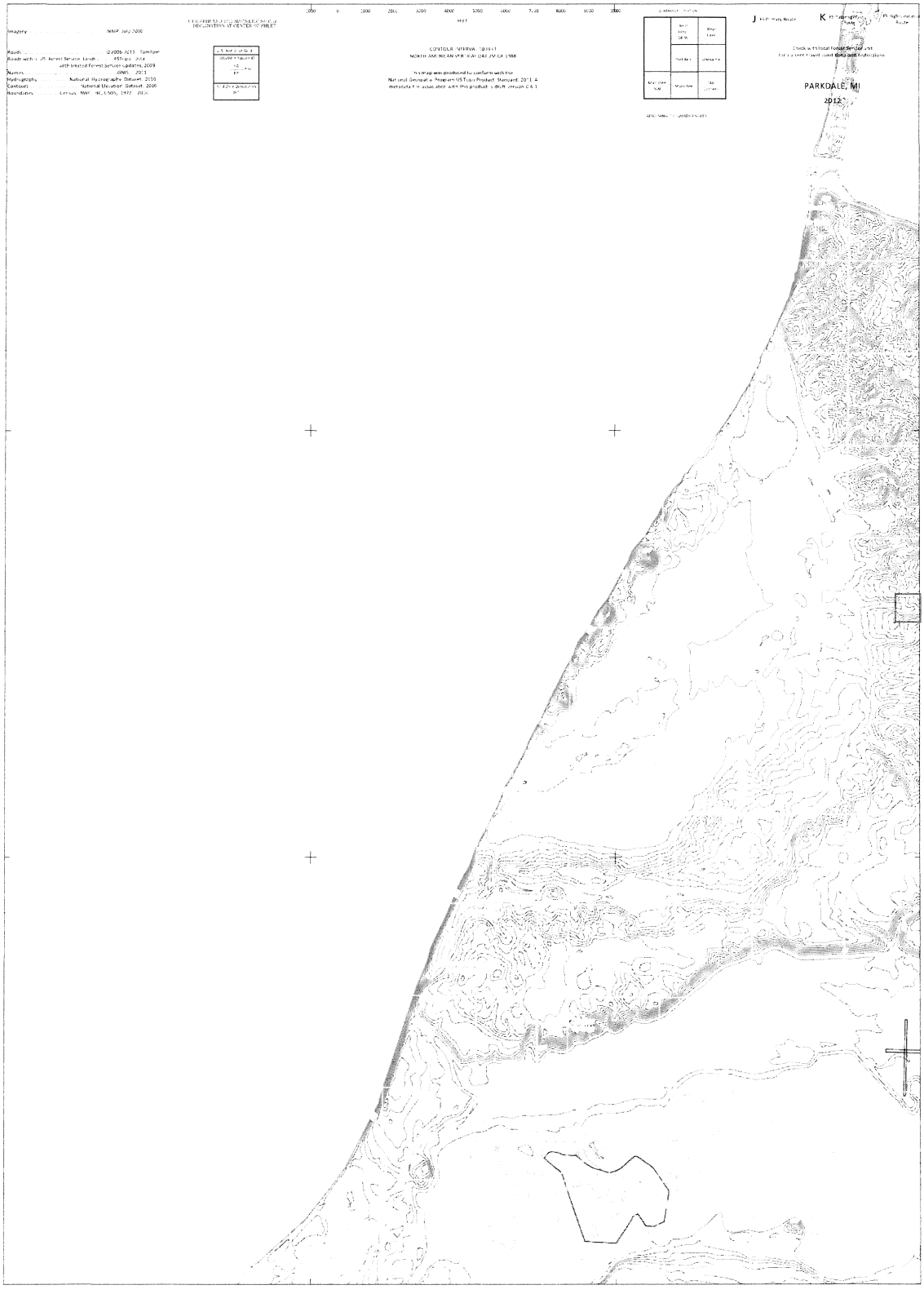

MANISTEE
FOREST



U.S. DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY

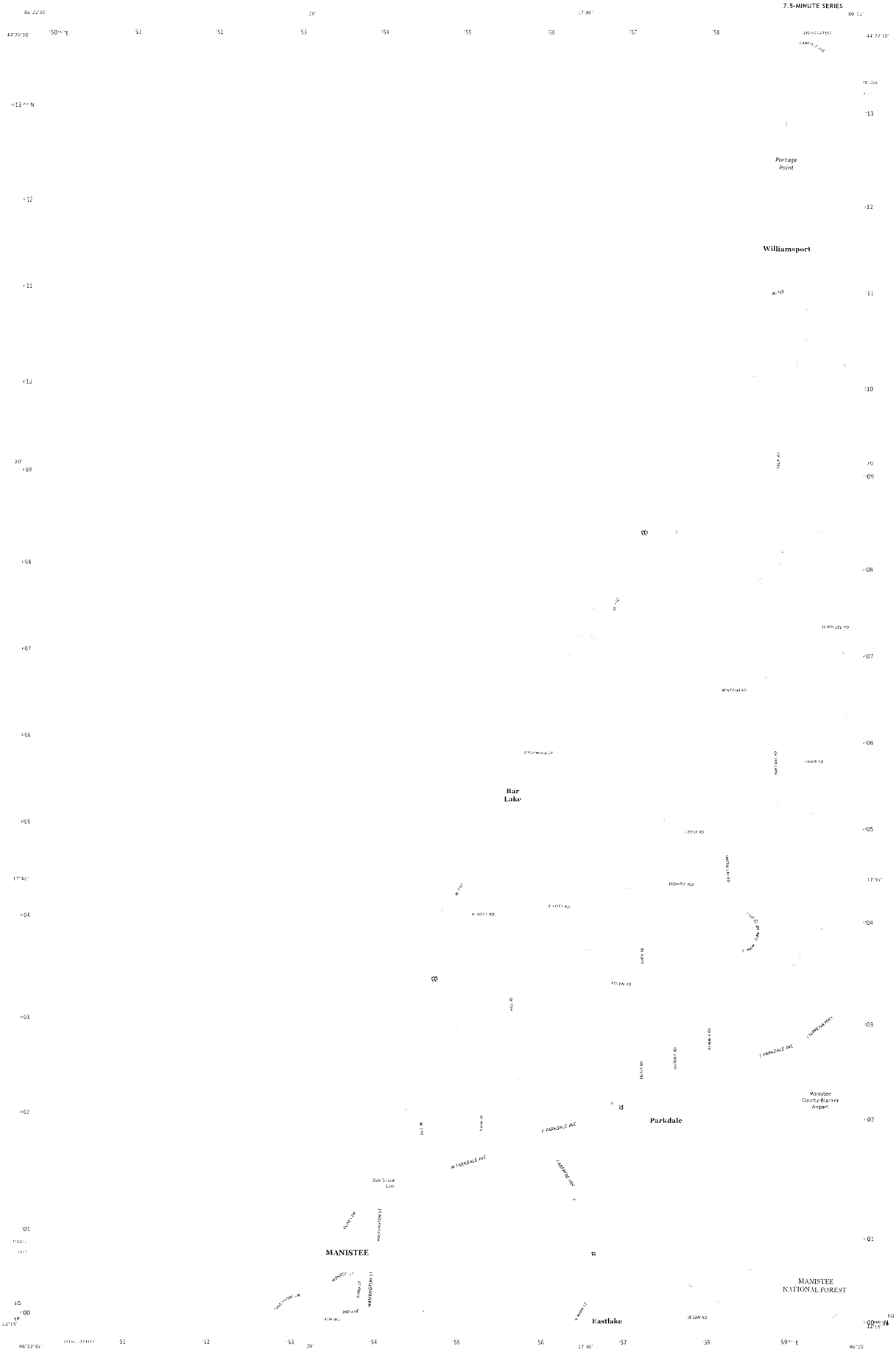
PARKDALE QUADRANGLE
MICHIGAN-MANISTEE CO
7.5-MINUTE SERIES




SCALE 1:24 000
Produced by the United States Geological Survey
USGS
science for a changing world
The National Map
US Topo
ROAD CLASSIFICATION
PARKDALE, MI
2012

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

PARKDALE QUADRANGLE
MICHIGAN-MANISTEE CO.
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and

1 000-meter grid: Universal Transverse Mercator, Zone 16T
10 000-foot ticks: Michigan Coordinate System of 1983 (mainland)

USGS
science for a changing world

Produced in accordance with National Mapping Program standards. Boundaries may be generalized for mapping purposes. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

SCALE 1:24 000

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METERS
FEET

The National Map
US Topo

UTM GRID AND 2014 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

ROAD CLASSIFICATION

Interstate Route
US Route
State Route
FS Primary Route
FS Passenger Route
FS High Clearance Route

Imagery ..... NAIP 2012
Roads ..... HERE 2013
Roads within US Forest Service Lands ..... FSTopo ..... Data with limited Forest Service updates, 2013
Names ..... GNIS 2013
Hydrography ..... National Hydrography Dataset 2012
Contours ..... NHD, GMI, Elevation Dataset 2006
Boundaries ..... Multiple sources, see metadata file 2013
Public Land Survey System ..... BLM 2011

U.S. National Grid
100-meter Zone ID
16
CP
1 000-meter Square ID
NT

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard, 2011. A metadata file associated with this product is distributed with it.

1	2	3
4		5
6	7	8

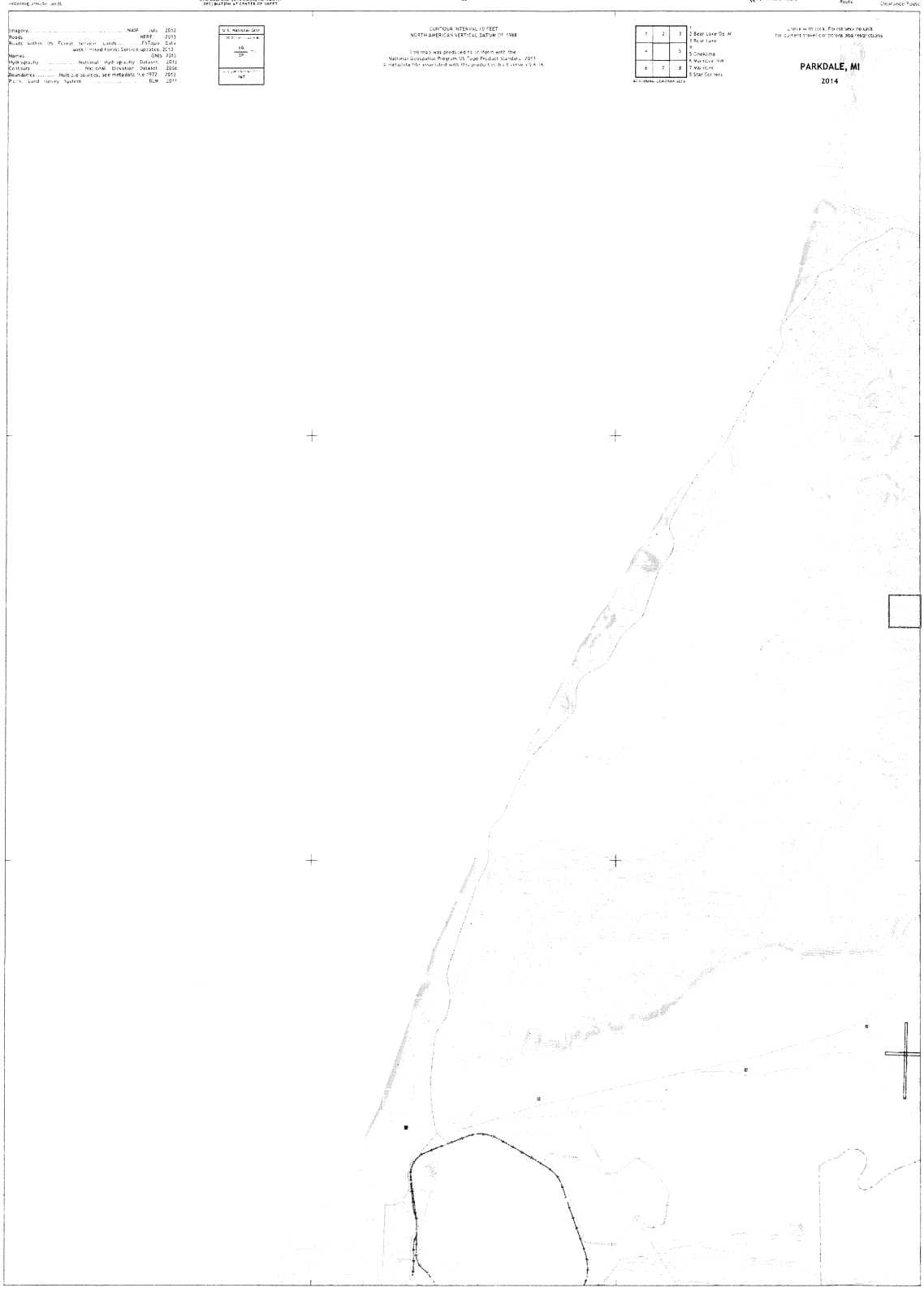
1 Bear Lake Ot W
2 Bear Lake
4
5 Onekama
6 Manistee SW
7 Manistee
8 Star Corners

ADJOINING QUADRANGLES

Where this is a Forest Service unit, see current travel conditions and FSTopo data.

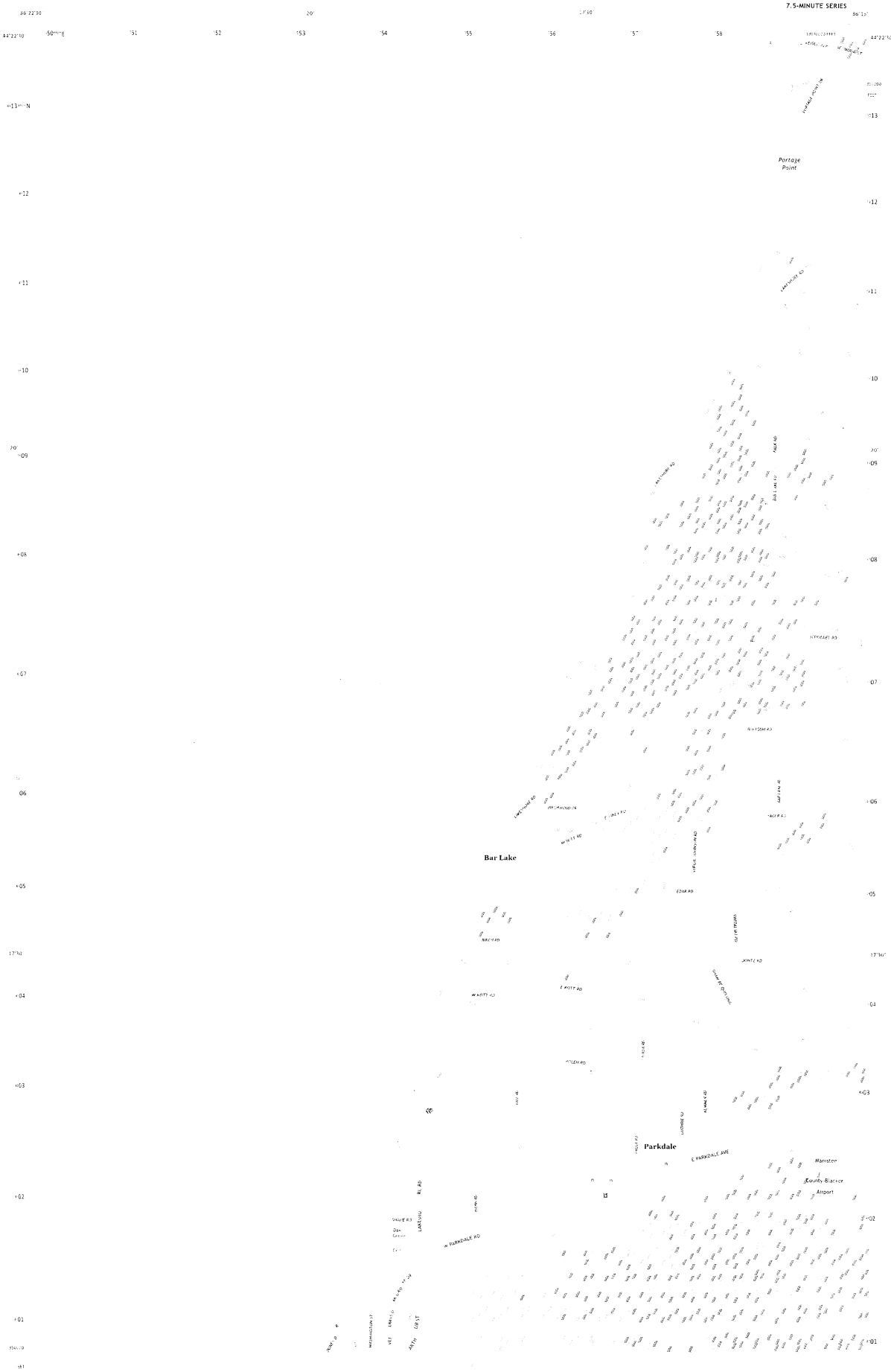
PARKDALE, MI
2014

7643016371511
MSN
NGA REF NO. U1G2X14X72415



U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

PARKDALE QUADRANGLE
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USGS
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MANISTEE

MANISTEE NATIONAL FOREST

Eastlake

SCALE 1:24 000

Produced by the United States Geological Survey

North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and

1 000-meter grid: Universal Transverse Mercator, Zone 16N
10 000-foot ticks: Michigan Coordinate System of 1983 (Central

Datum

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery ..... NAIP ..... November 2014
Roads ..... U.S. Census Bureau, 2013 - 2016
Roads within US Forest Service Lands ..... FS Open Data with Transportation Atlas, 2012 - 2014
Names ..... GNIS, 2016
Hydrography ..... National Hydrography Dataset, 2014
Contours ..... National Elevation Dataset, 2004
Boundaries ..... Multiple sources; see publication info, 1972 - 2016
Public Land Survey System ..... BLM, 2016
Wetlands ..... FWS National Wetlands Inventory, 1977 - 2014

U.S. National Grid

UTM GRID AND 2017 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard, 2011. A determination of compliance with this product standard can be found in the publication info.

ROAD CLASSIFICATION

Freeway ..... Local Connector
Expressway ..... Local Road
Ramp 4WD
Interstate Route ..... US Route ..... State Route
FS Primary Route ..... FS Passenger Route ..... FS High Clearance Route

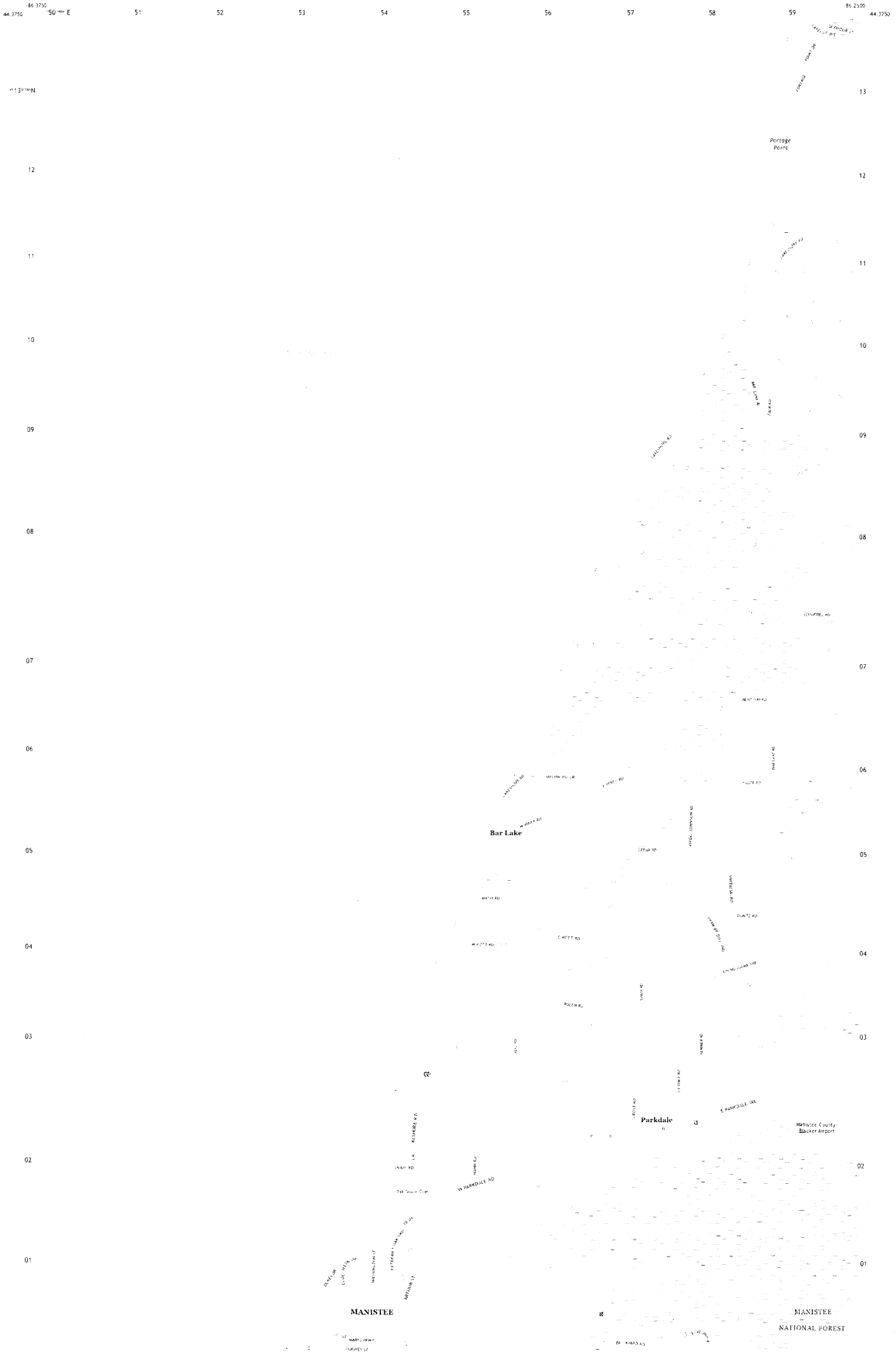
Check with local Forest Service unit for current travel conditions and restrictions.

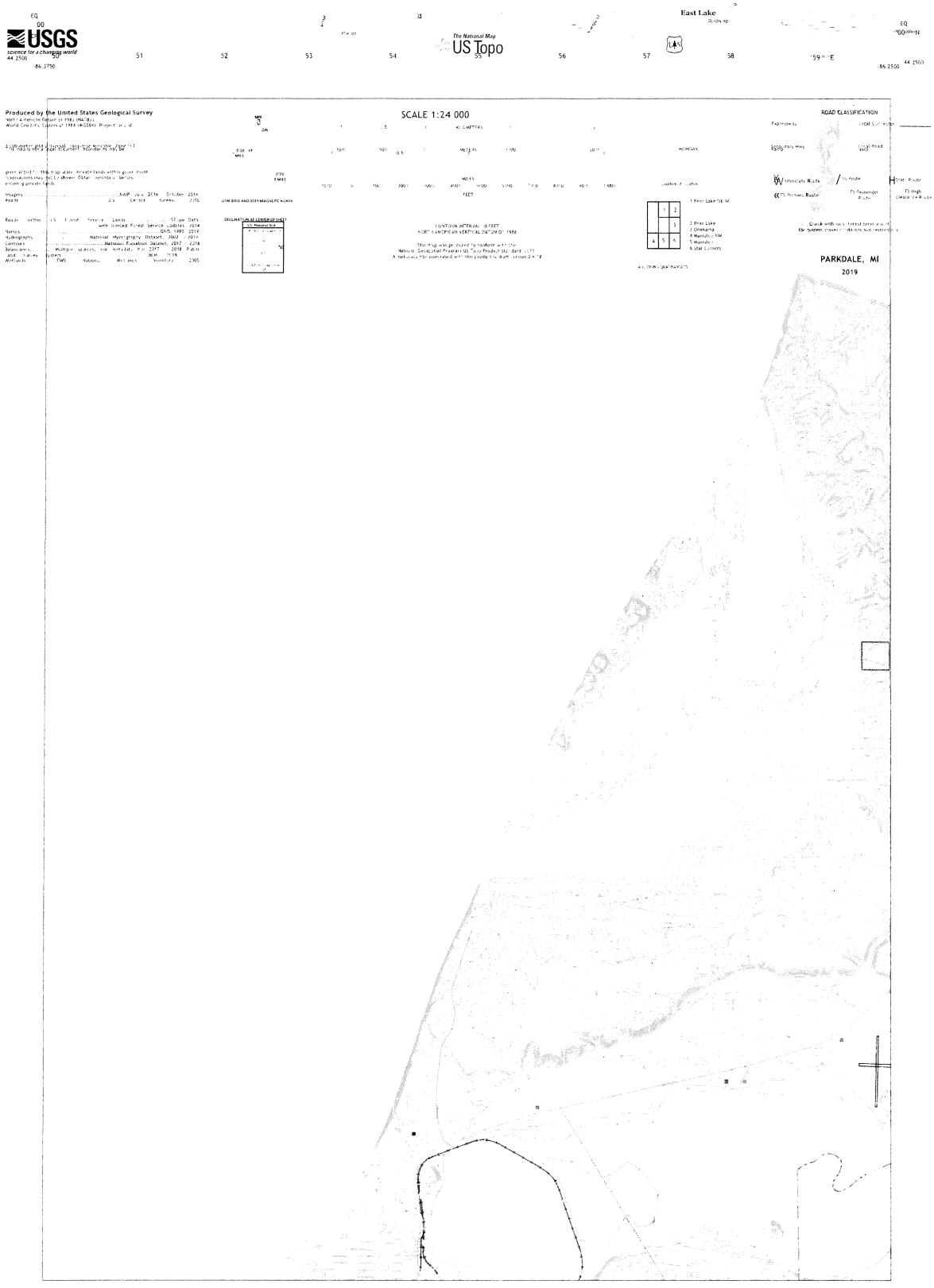
PARKDALE, MI
2017

7643016371511

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

PARKDALE QUADRANGLE
MICHIGAN - MANISTEE COUNTY
7.5-MINUTE SERIES

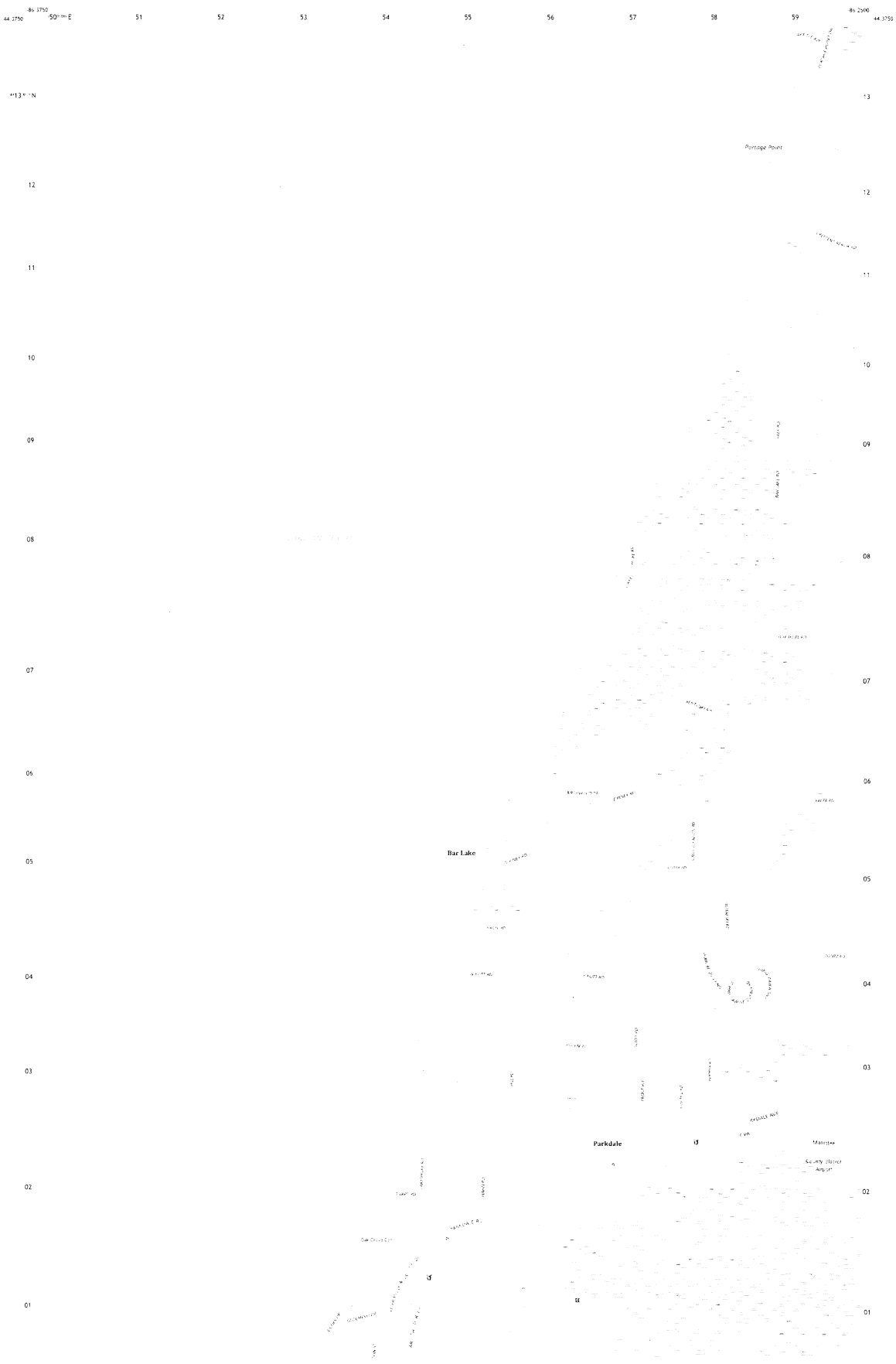


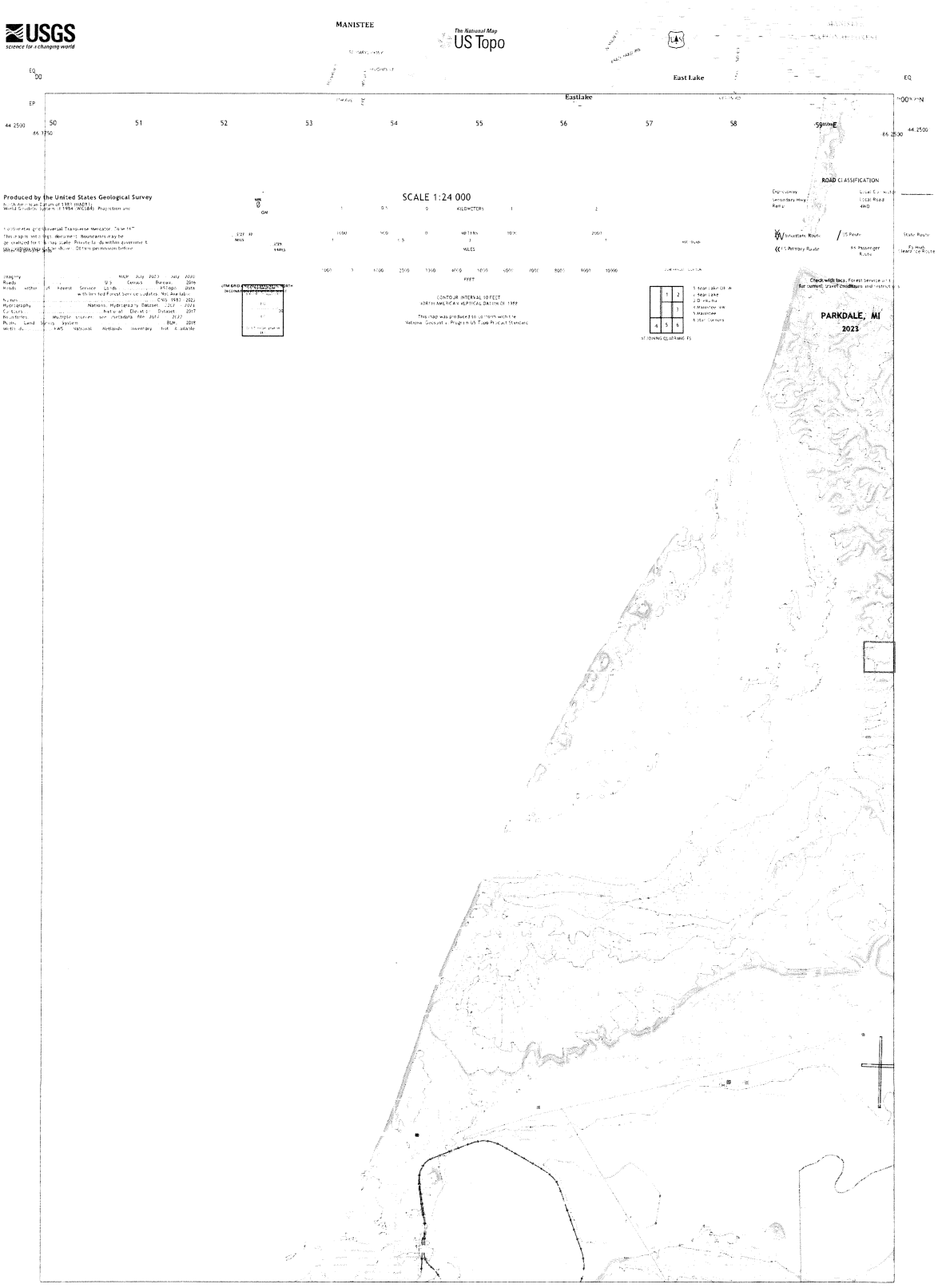


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U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

PARKDALE QUADRANGLE
MICHIGAN - MANISTEE COUNTY
7.5-MINUTE SERIES

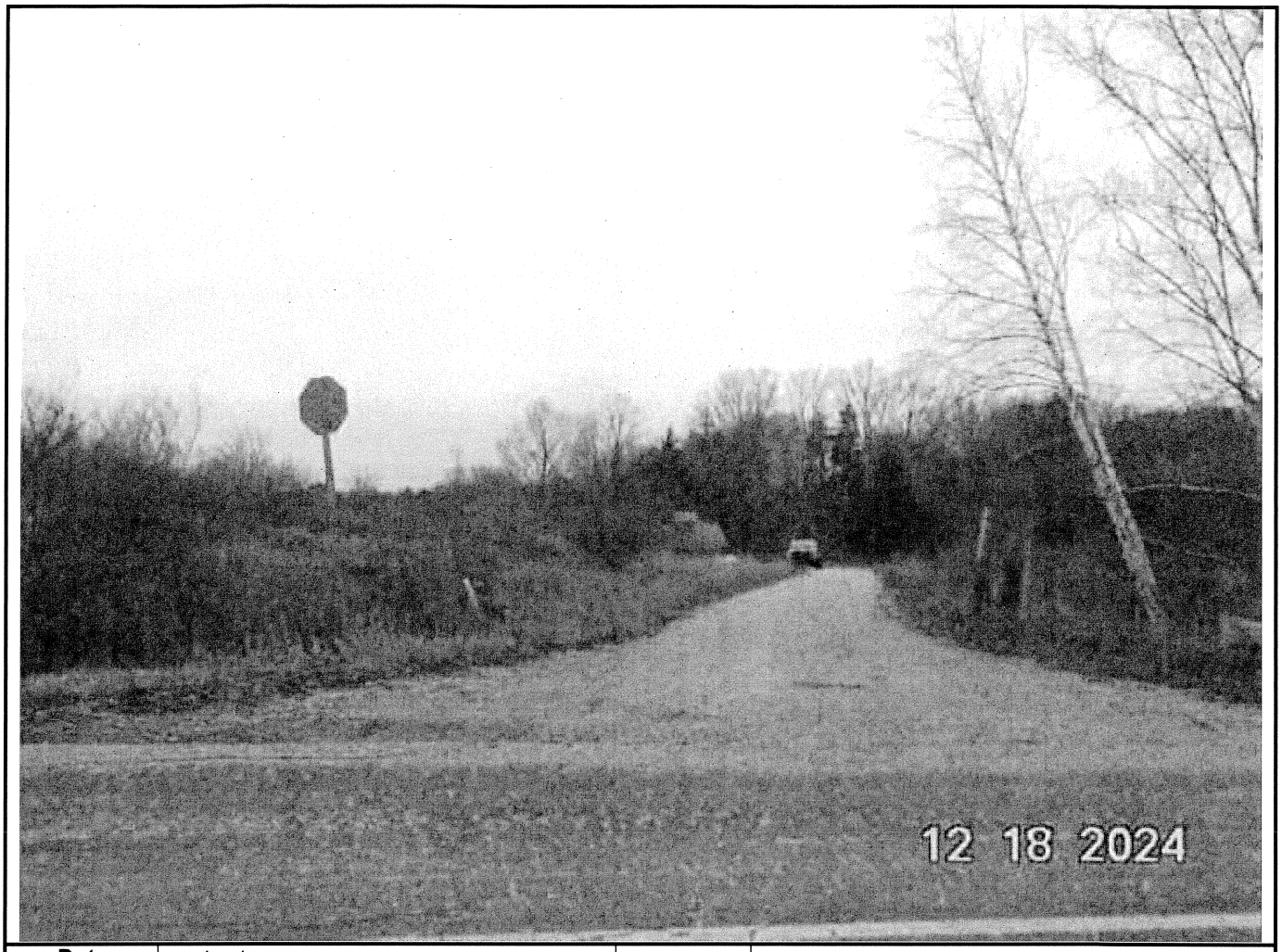




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Attachment 4

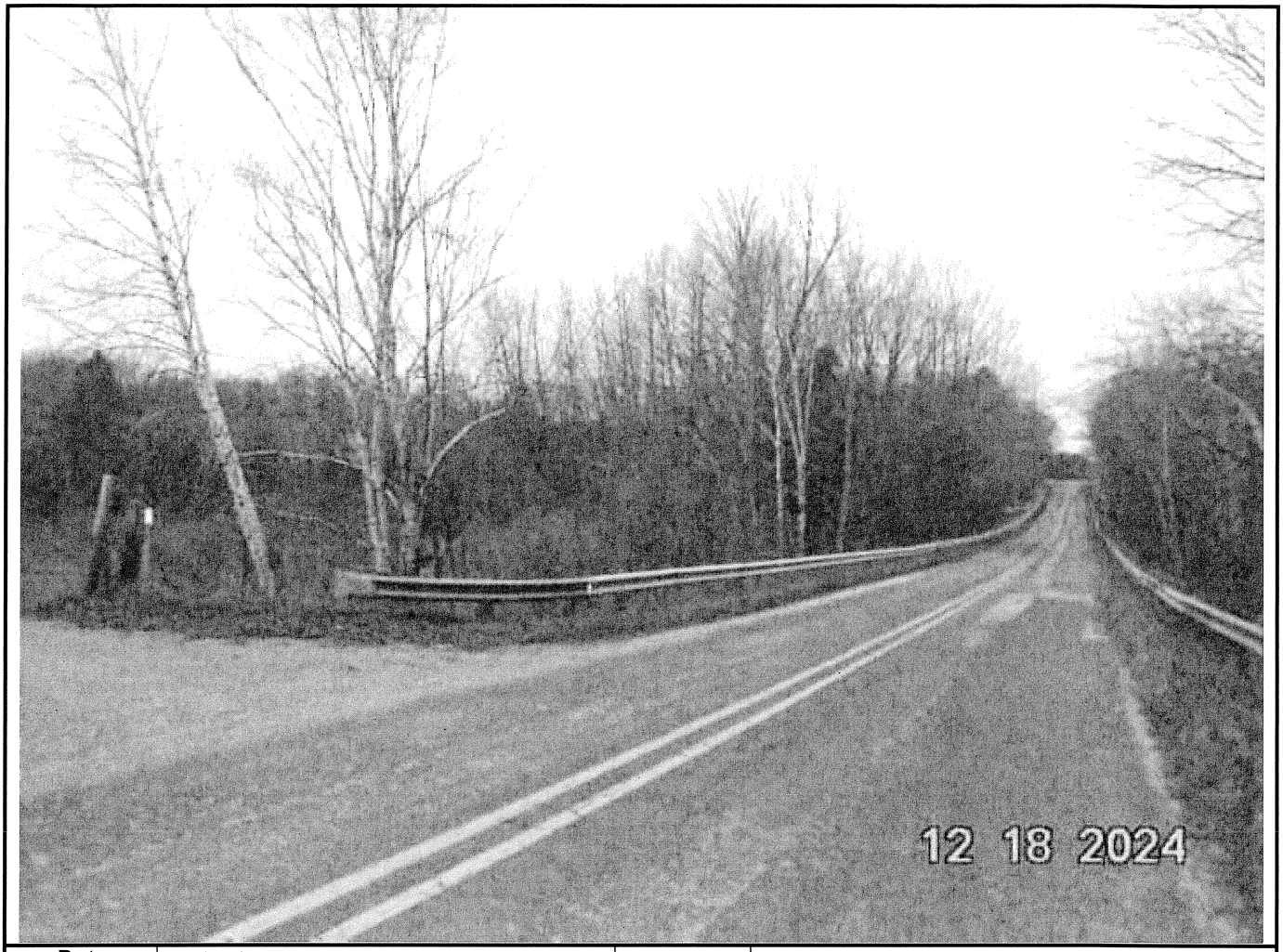
Site Photographs



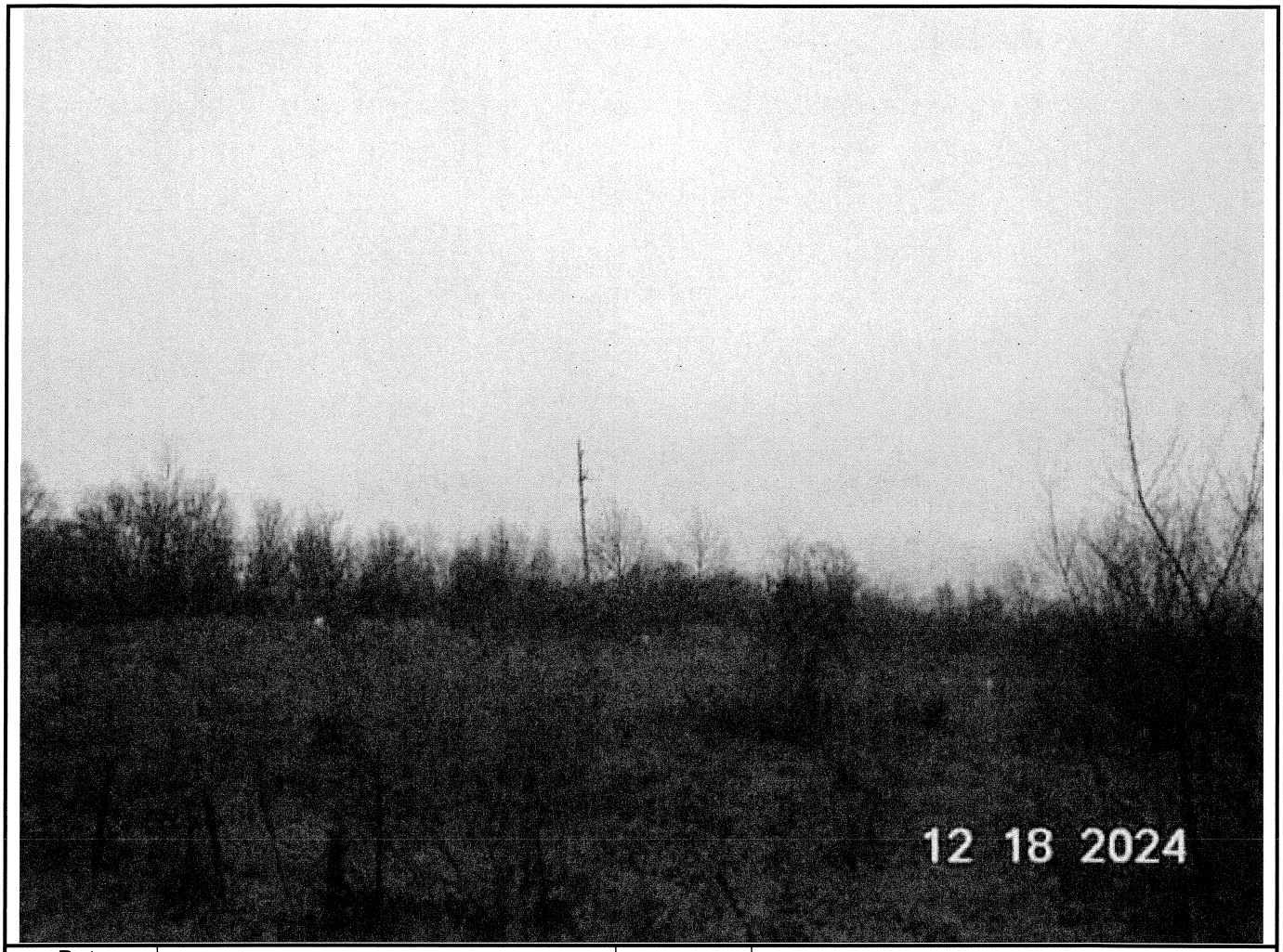
Date	12/18/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	Access drive into subject property, taken from Schoedel Road. Photograph taken facing south.	**1**	GCES Project No:	240218



Date	12/18/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	Northern property boundary and Schoedel Road, facing southeast.	**2**	GCES Project No:	240218



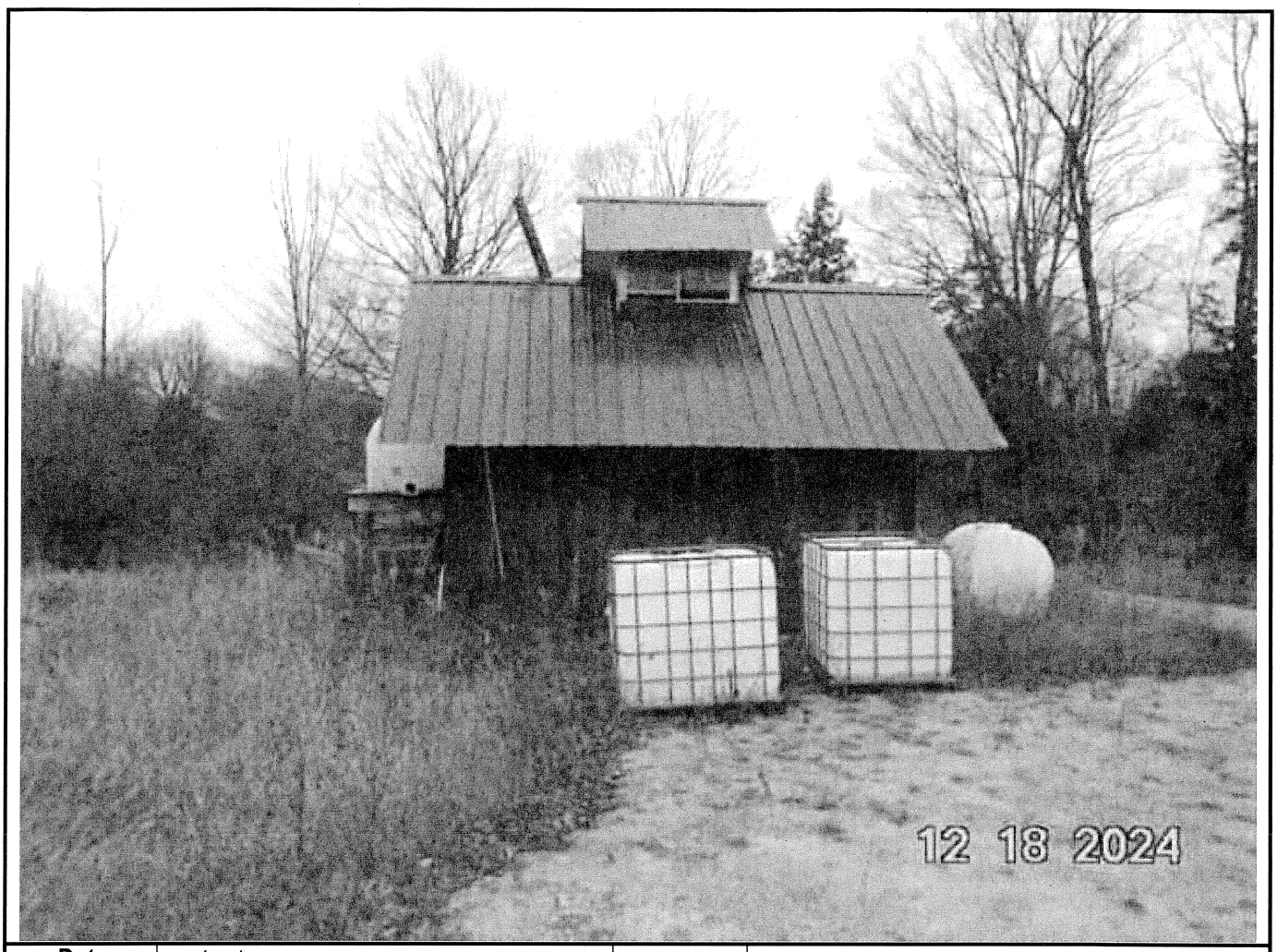
Date	12/18/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	Northern property boundary and Schoedel Road, facing southwest.	**3**	GCES Project No:	240218



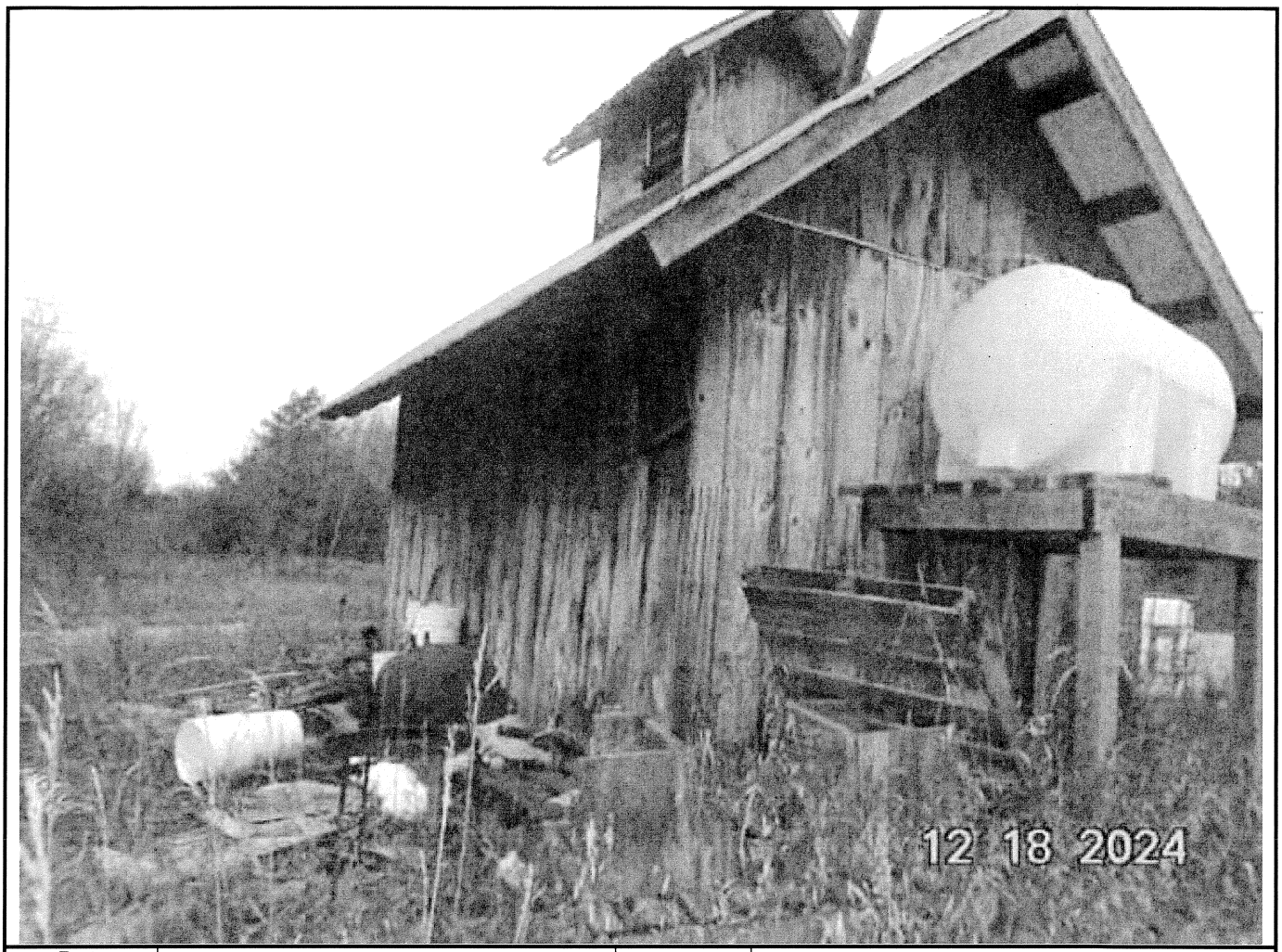
Date	12/18/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	Eastern area of subject property, facing east.	**4**	GCES Project No:	240218



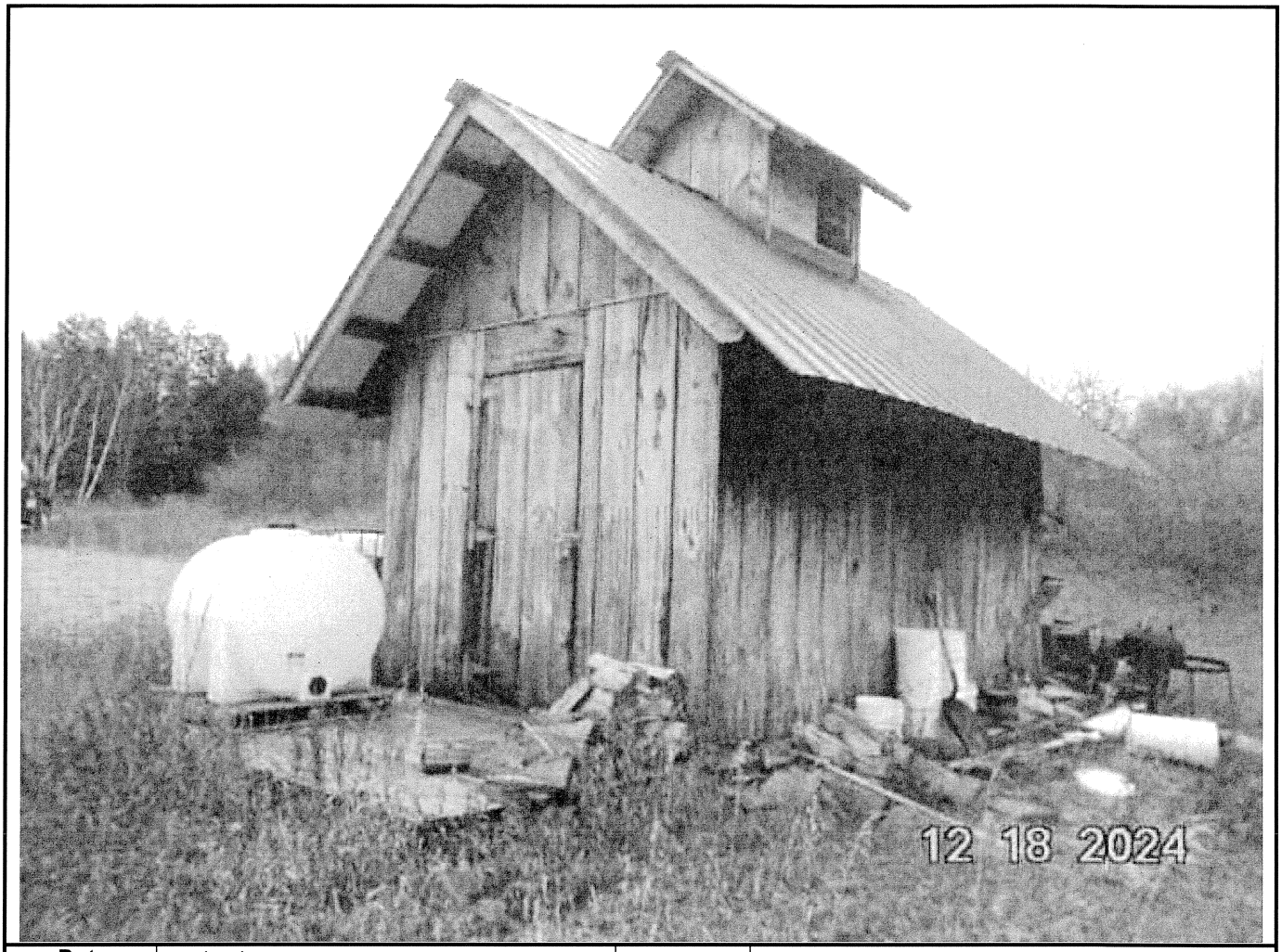
Date	12/18/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	Northern adjoining property, facing north.	**5**	GCES Project No:	240218



Date	12/18/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	North side of maple syrup making structure, facing south.	**6**	GCES Project No:	240218



Date	12/18/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	South and east sides of maple syrup making structure on property, facing northwest.	**7**	GCES Project No:	240218



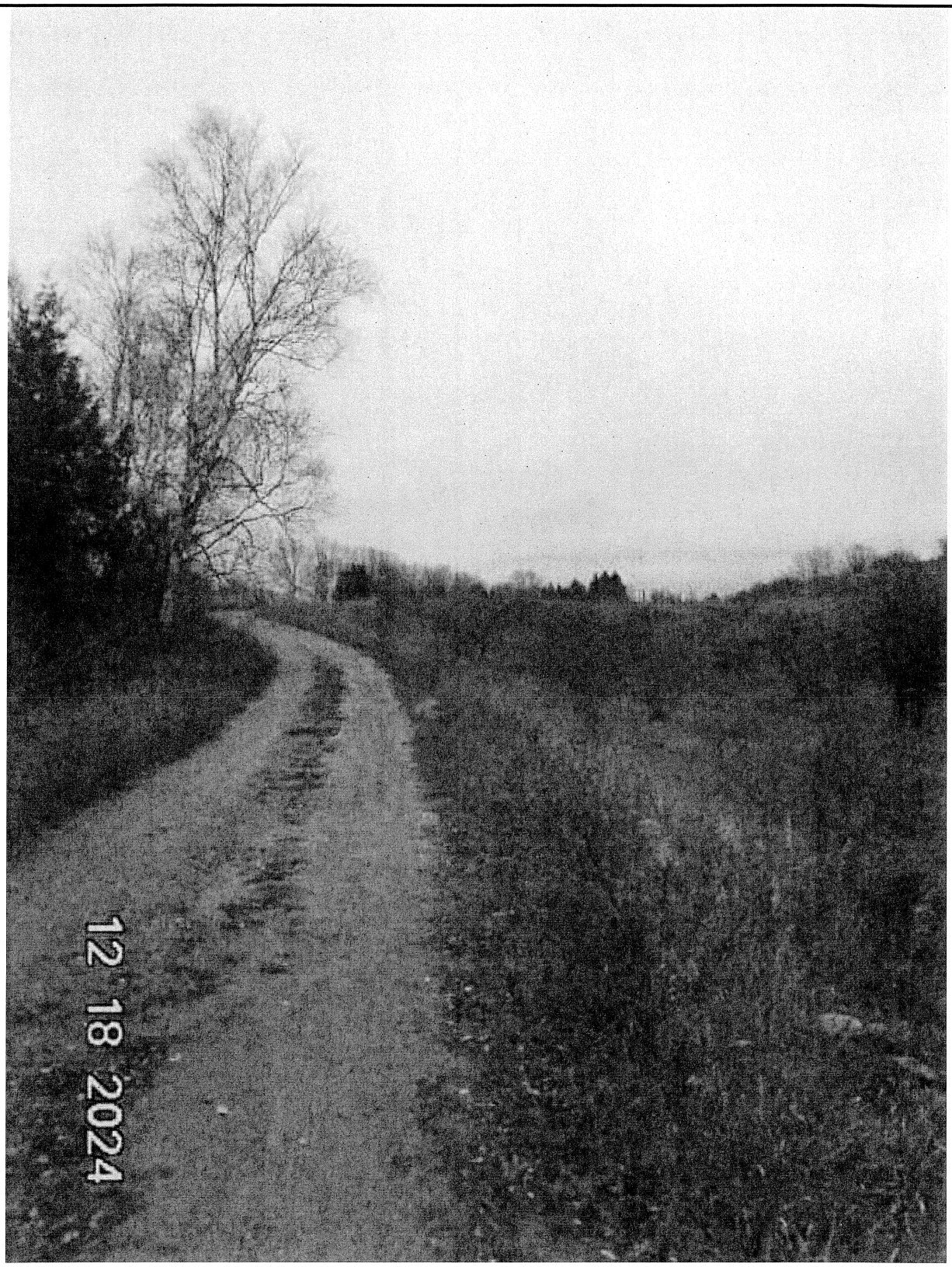
Date	12/18/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	West side of maple syrup making structure on property, facing northeast.	**8**	GCES Project No:	240218



Date	12/18/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	West of access drive through subject property, facing west.	**9**	GCES Project No:	240218



Date	12/18/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	Culvert under access drive through subject property.	**10**	GCES Project No:	240218



Date	12/18/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	Access trail traveling south into subject property, facing south.	**11**	GCES Project No:	240218



Date	12/18/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	Fenced in livestock area, facing west.	**12**	GCES Project No:	240218



Date	12/18/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	Eastern property boundary, facing east.	**13**	GCES Project No:	240218



Date	12/18/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack	**14**		
Client	Little River Band of Ottawa Indians		GCES Project No:	240218
Subject	Site overview photo from eastern property boundary, facing west.			



Date	12/18/2024	**Photo #**	Gosling Czuhak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	Sprinkler line coming from ground in open field of subject property.	**15**	GCES Project No:	240218



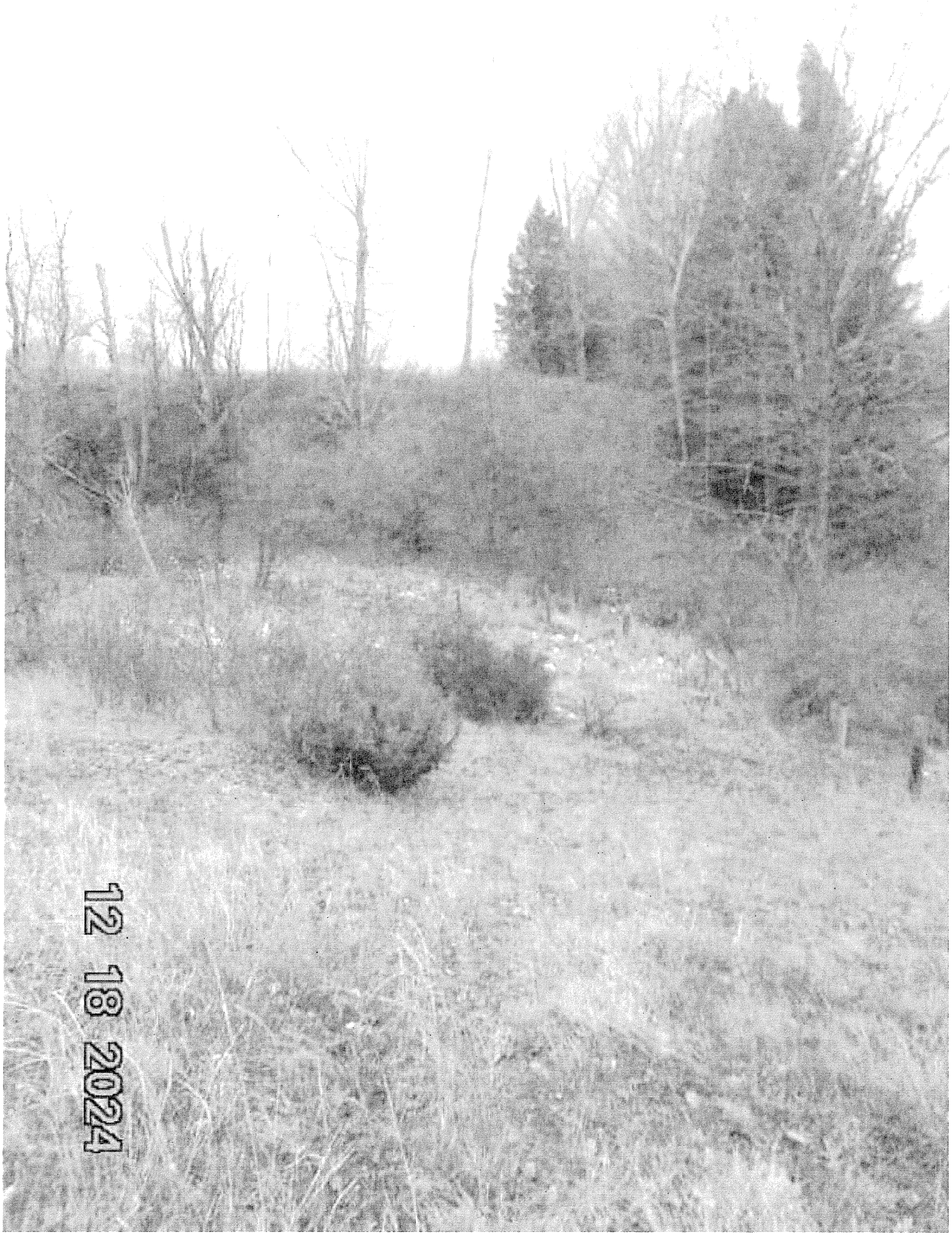
Date	12/18/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack	**16**		
Client	Little River Band of Ottawa Indians			
Subject	Southern adjoining property in background, southern property boundary. Photograph taken facing southeast.		GCES Project No:	240218



Date	12/18/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians	**17**		
Subject	Lambda gas pipeline marker on subject property.		GCES Project No:	240218



Date	12/18/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	Location of historical oil well site, facing southwest.	**18**	GCES Project No:	240218



Date	12/18/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	Southern property boundary, indicated by fence line. Photograph taken facing south.	**19**	GCES Project No:	240218



Date	12/18/2024	**Photo #**	Gosling Czuhak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	Fencing equipment located in central area of subject property.	**20**	GCES Project No:	240218



Date	12/18/2024	**Photo #** **21**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	Southern adjoining property and southern property boundary, facing south.		GCES Project No:	240218



Date	12/18/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	Cleared access way to powerlines, facing north.	**22**	GCES Project No:	240218



Date	12/18/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	Dumping site west of access trail to powerlines, facing west.	**23**	GCES Project No:	240218



Date	12/18/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians	**24**		
Subject	Dumping site west of access trail to powerlines.		GCES Project No:	240218



Date	12/18/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	Access trail traversing to western side of subject property, facing west.	**25**	GCES Project No:	240218



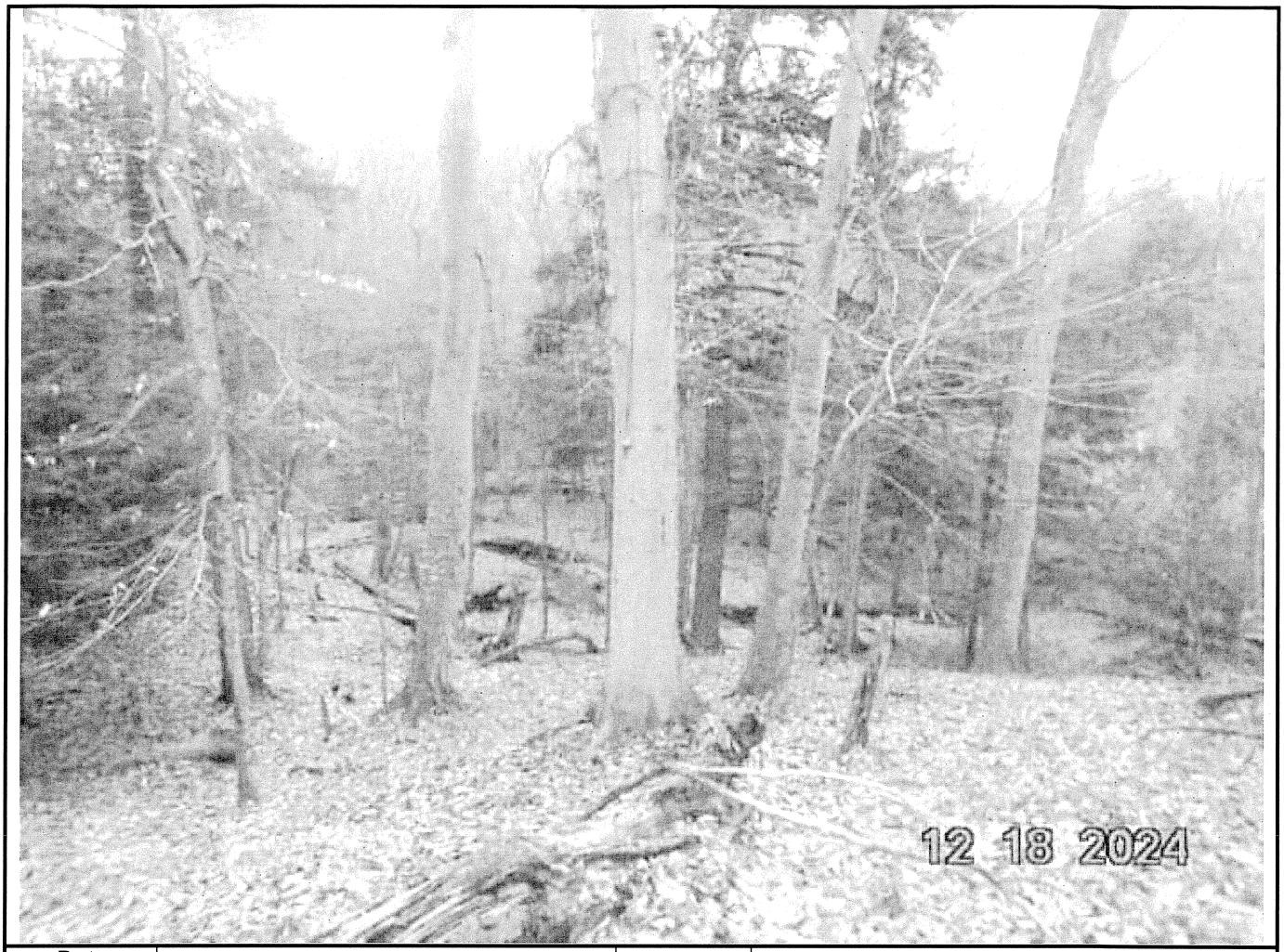
Date	12/18/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack	**26**		
Client	Little River Band of Ottawa Indians			
Subject	Equipment for maple syrup production in western section of subject property, facing north.		GCES Project No:	240218



Date	12/18/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	Powerline right of way through subject property, traveling east to west. Photograph taken facing west.	**27**	GCES Project No:	240218



Date	12/18/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	Western property boundary and western adjoining boundary, facing west.	**28**	GCES Project No:	240218



Date	12/18/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	Northwest area of subject property, facing northeast.	**29**	GCES Project No:	240218



Date	12/18/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	Central west area of subject property, facing east.	**30**	GCES Project No:	240218



Date	12/18/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	Western adjoining property, facing southwest.	**31**	GCES Project No:	240218



Date	12/19/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	Dumping area next to creek that traverses through subject property.	**32**	GCES Project No:	240218



Date	12/19/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack	**33**		
Client	Little River Band of Ottawa Indians			
Subject	Creek running through subject property and dumped materials. Photograph taken facing northwest.		GCES Project No:	240218



Date	12/19/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	Dumped materials in creek and creekside.	**34**	GCES Project No:	240218



Date	12/19/2024	**Photo #**	Gosling Czubak	
Site	Sugar Shack			
Client	Little River Band of Ottawa Indians			
Subject	Discarded vehicle at dumping site. Photograph taken facing northwest.	**35**	GCES Project No:	240218

Attachment 5

EDR Environmental Database Search Report

Sugar Shack
Not Reported Manistee,
MI 49660

Inquiry Number: 7816119.2s
November 07, 2024

The EDR Radius Map™ Report with GeoCheck®

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

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Detail Map	3
Map Findings Summary	4
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GEOCHECK ADDENDUM

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

NOT REPORTED
MANISTEE, MI 49660

COORDINATES

Latitude (North):	44.3155200 - 44° 18' 55.87''
Longitude (West):	86.2508700 - 86° 15' 3.13''
Universal Tranverse Mercator: Zone 16	
UTM X (Meters):	559743.4
UTM Y (Meters):	4906974.5
Elevation:	646 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	14457705 PARKDALE, MI
Version Date:	2019
East Map:	14455005 ONEKAMA, MI
Version Date:	2019

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20200728
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
NOT REPORTED MANISTEE, MI
49660

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	2110 SUGAR SHACK ROA		ENVIRO	Higher	1 ft.
2	3642 ORCHARD HIGHWAY	3642 ORCHARD HIGHWAY	INVENTORY, PART 201, BEA	Higher	4399, 0.833, SSE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

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

Lists of Federal Delisted NPL sites

Delisted NPL ..... National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

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

Lists of Federal CERCLA sites with NFRAP

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

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ..... Corrective Action Report

Lists of Federal RCRA TSD facilities

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

Lists of Federal RCRA generators

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

Federal institutional controls / engineering controls registries

LUCIS ..... Land Use Control Information System

US ENG CONTROLS ..... Engineering Controls Sites List US
INST CONTROLS ..... Institutional Controls Sites List

Federal ERNS list

ERNS ..... Emergency Response Notification System

Lists of state- and tribal hazardous waste facilities

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

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF ..... Solid Waste Facilities Database

Lists of state and tribal leaking storage tanks

LUST ..... Leaking Underground Storage Tank Sites
INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST ..... Underground Storage Tank Listing UST
..... Underground Storage Tank Facility List AST
..... Aboveground Tanks
INDIAN UST ..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

AUL ..... Engineering and Institutional Controls

Lists of state and tribal voluntary cleanup sites

INDIAN VCP ..... Voluntary Cleanup Priority Listing

Lists of state and tribal brownfield sites

BROWNFIELDS ..... Brownfields and UST Site Database

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

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

EXECUTIVE SUMMARY

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL	Delisted National Clandestine LaboratoryRegister
INVENTORY	Inventory of Facilities
CDL	Clandestine Drug Lab Listing
DEL PART 201	Delisted List of Contaminated Sites
US CDL	National Clandestine Laboratory Register

Local Land Records

LIENS	Lien List
LIENS 2	CERCLA Lien Information

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
SPILLS	Pollution Emergency Alerting System

Other Ascertainable Records

RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated FUDS
	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing US
FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System SSTS
	Section 7 Tracking Systems
ROD	Records Of Decision RMP
	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System PRP
	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List PCB
TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing DOT
OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem US
MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
MINES MRDS	Mineral Resources Data System

FINDS	Facility Index System/Facility Registry System UXO Unexploded Ordnance Sites
DOCKET HWC	Hazardous Waste Compliance Docket Listing ECHO Enforcement & Compliance History Information
FUELS PROGRAM	EPA Fuels Program Registered Listing
PFAS NPL	Superfund Sites with PFAS Detections Information PFAS
FEDERAL SITES	Federal Sites PFAS Information
PFAS TSCA	PFAS Manufacture and Imports Information
PFAS TRIS	List of PFAS Added to the TRI
PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing PFAS
ATSDR	PFAS Contamination Site Location Listing
PFAS WQP	Ambient Environmental Sampling for PFAS
PFAS NPDES	Clean Water Act Discharge Monitoring Information
PFAS PROJECT	NORTHEASTERN UNIVERSITY PFAS PROJECT
PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing PFAS
ECHO FIRE TRAIN	Facilities in Industries that May Be Handling PFAS Listing PFAS
PT 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing
BIOSOLIDS	ICIS-NPDES Biosolids Facility Data
E MANIFEST	Hazardous Waste Electronic Manifest System
PFAS	PFAS Contaminated Sites Listing
AQUEOUS FOAM	Aqueous Film Forma Foam Listing AIRS Permit and Emissions Inventory Data
ASBESTOS	ASBESTOS
BEA	Baseline Environmental Assessment Database COAL
ASH	Coal Ash Disposal Sites
DRYCLEANERS	Drycleaning Establishments
Financial Assurance	Financial Assurance Information Listing
LEAD	Lead Information Registry Listing LEAD Lead Information Registry Listing
MANIFEST	Hazardous Waste Manifest Data NPDES List of Active NPDES Permits
UIC	Underground Injection Wells Database
WDS	Waste Data System
SSCUP	State Owned Sites Cleanup Program List

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA PART 201	Recovered Government Archive State Hazardous Waste Facilities List RGA LF Recovered Government Archive Solid Waste Facilities List
RGA LUST	Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

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

A review of the PART 201 list, as provided by EDR, and dated 07/15/2024 has revealed that there is 1 PART 201 site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
3642 ORCHARD HIGHWAY	***3642 ORCHARD HIGHWAY***	***SSE 1/2 - 1 (0.833 mi.)***	***2***	***10***
Facility ID: 51100071				

Other Ascertainable Records

ENVIRO: MiEnviro is permitting and compliance for air quality and water resources, including
National Pollutant Discharge Elimination System (NPDES), storm water, groundwater discharge, aquatic nuisance control, Part 41 construction, medical waste registrations, and land and water interface permits.

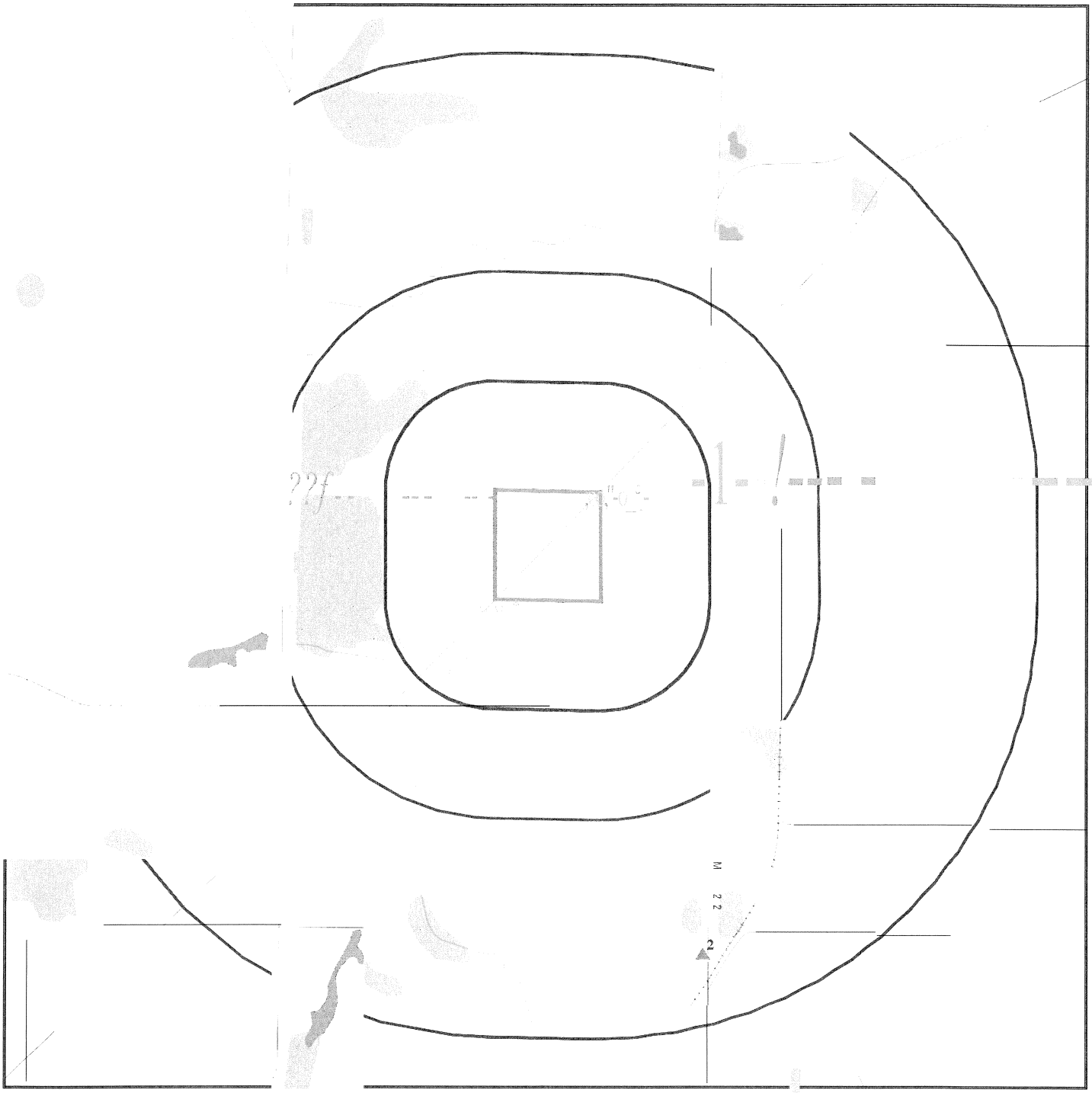
A review of the ENVIRO list, as provided by EDR, and dated 06/28/2024 has revealed that there is 1 ENVIRO site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
2110 SUGAR SHACK ROA		0 - 1/8 (0.000 mi.)	1	8

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 7816119.2S



1 4 1/2 1 Miles

Target Property

Sites at elevations higher than equal to the target property

tes at elevations lower than

e target property

Manufactured Gas Plants
National Priority List Sites
Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)
0.2% Annual Chance Flood Hazard
National Wetland Inventory

State Wetlands

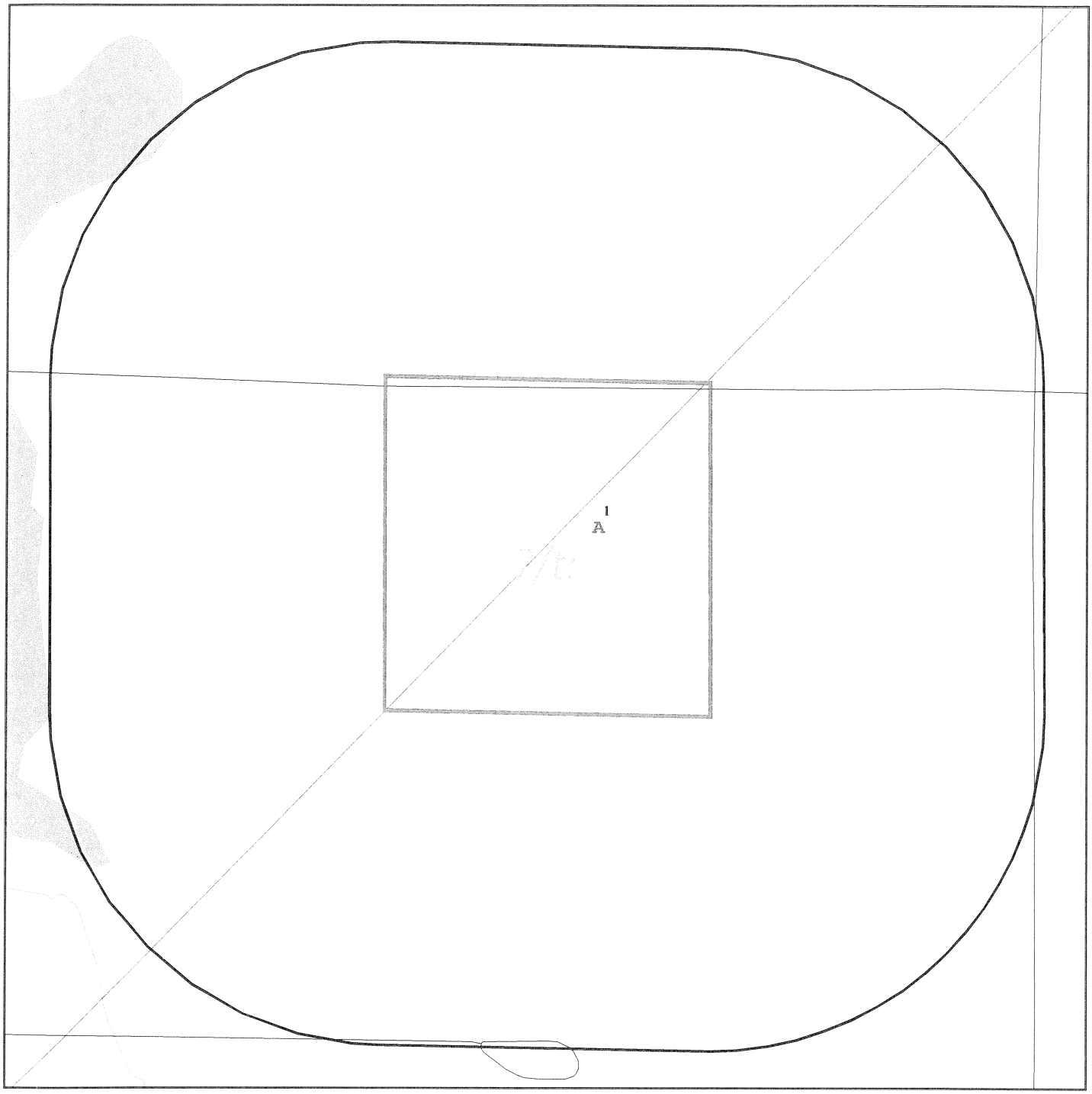
This report includes I t .
display and/or hide mnape t1ve M_ap Layers to
legend includes only th ormat1on. The
default map view. ose icons for the

OVERVIEW MAP - 7816119.2S

SITE NAME:	Sugar Shack Not Reported	CLIENT:	Gosling Czubak
ADDRESS:	Manistee MI 49660	CONTACT	Fern Sexton
LAT /LONG:	44.31552 / 86.25087	INQUIRY#:	7816119.2s
		DATE:	November 07, 2024 4:03 m

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DETAIL MAP - 7816119.2S



N Target Property

"" Sites at elevations higher than or equal to the target property

• Sites at elevations lower than the target property

.1 Manufactured GasPlants

• Sensitive Receptors

EJ National Priority List Sites

Dept. Defense Sites

1/16 1/8 1/4 Miles

Indian Reservations BIA

Power transmission lines

D Special Flood Hazard Area (1%)

D 0.2% Annual Chance Flood Hazard

National Wetland Inventory

D State Wetlands

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

SITE NAME:	**Sugar Shack**	**CLIENT:**	**Gosling Czubak**
ADDRESS:	**Not Reported**	**CONTACT:**	**Fern Sexton**
	Manistee MI 49660	**INQUIRY#:**	**7816119.2s**

DETAIL MAP - 7816119.2S

LAT/LONG:	44.31552 / 86.25087	DATE:	November 07, 2024 4:04 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal hazardous waste facilities								
SHWS	1.000		0	0	0	0	NR	0
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering controlregistries								
AUL	0.500		0	0	0	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	0	0	NR	NR	0
HIST LF	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
PART 201	1.000		0	0	0	1	NR	1
INVENTORY	0.500		0	0	0	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
DEL PART 201	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
SPILLS	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS US	0.500		0	0	0	NR	NR	0
FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.500		0	0	0	NR	NR	0
COAL ASH EPA	0.001		0	NR	NR	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS US	0.001		0	NR	NR	NR	NR	0
AIRS	0.001		0	NR	NR	NR	NR	0
US MINES ABANDONED	0.250		0	0	NR	NR	NR	0
MINES MINES MRDS	0.250		0	0	NR	NR	NR	0
FINDS	0.250		0	0	NR	NR	NR	0
UXO	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	1.000		0	0	0	0	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.001		0	NR	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES PFAS	0.250		0	0	NR	NR	NR	0
TSCA	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST PFAS	0.250		0	0	NR	NR	NR	0
ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP PFAS	0.250		0	0	NR	NR	NR	0
NPDES PFAS	0.250		0	0	NR	NR	NR	0
PROJECT PFAS	0.250		0	0	NR	NR	NR	0
ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAIN PFAS	0.250		0	0	NR	NR	NR	0
PT 139 AIRPORT AQUEOUS	0.250		0	0	NR	NR	NR	0
FOAM NRC BIOSOLIDS	0.250		0	0	NR	NR	NR	0
	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
E MANIFEST PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	0.250		0	0	NR	NR	NR	0
AIRS	0.250		0	0	NR	NR	NR	0
ASBESTOS	0.001		0	NR	NR	NR	NR	0
BEA	0.001		0	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.500		0	0	0	NR	NR	0
Financial Assurance	0.250		0	0	NR	NR	NR	0
LEAD	0.001		0	NR	NR	NR	NR	0
LEAD	0.001		0	NR	NR	NR	NR	0
MANIFEST	0.001		0	NR	NR	NR	NR	0
NPDES UIC	0.250		0	0	NR	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
ENVIRO	0.001		0	NR	NR	NR	NR	0
SSCUP	0.001		1	NR	NR	NR	NR	1
	0.500		0	0	0	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA PART 201	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	1	0	0	1	0	2

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance Sites

may be listed in more than one database

Directio n

EDR ID Number Database(s)

1 **2110 SUGAR SHACK ROAD** **ENVIRO** **S129802004**
N/A

< 1/8 **, MI**
1 ft.

Relative:
Higher

Actual:
648 ft.

E
N V I R O :
S i t e I D :

4368365023448955297
2110 SUGAR SHACK ROAD
Not reported
44.3159
-86.2501
https://mienviro.michigan.gov/nsite/Profile/4368365023448955297?standa lone=1

4368365023448955297
2919861224112282921
HP0-WZ8Q-FS1J6 V1.pdf
Misc. Application and Request Docs
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Document Description:
Document Date:
Site Number:
URL:

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-4822667420642720966
T&E Species Checklist (WORD).pdf
Application Docs Resources
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Document Type:
Document Description:
Document Date: Site Number: URL:

4368365023448955297
-5376423397904873012
IMG_3460_V1.pdf
Form Submission Attachments
Application/Req

uest: HP0-WZ8Q-FS1J6. Additional Required and
Supplementary Documents

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https://mienviro.michigan.gov/ncore/downloadpdf/-5376423397904873012,

Site ID: Document ID: 4368365023448955297
Document Name: -3113046823053304325
Document Type: WRP023839 v_1 Arleth Minor Permit .pdf
Document Description: Resource Permit Docs
Document Date: Permit: WRP023839 v1.0. MP Email
Site Number: Correspondence 7/31/2020 12:00:00 AM
URL: MVY6-6XHZ-17E
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Document Description: Resource Permit Docs
Document Date: Permit: WRP023839 v1.0. Minor Permit
Site Number: 7/31/2020 12:00:00 AM
URL: MVY6-6XHZ-17E
https://mienviro.michigan.gov/ncore/downloadpdf/-3227623846205025723,

2110 SUGAR SHACK ROAD (Continued) S129802004

Site ID: Document ID: 4368365023448955297
Document Name: -5534190941431857687
Document Type: LRBOI to GTEC Letter of Authorization for Permitting_v1.pdf Form Submission Attachments
Document Description: Application/Request: HP0-WZ8Q-FS1J6. Upload Attachment for Authorization from Property Owners
Document Date: Site Number: 7/22/2020 12:00:00 AM MVY6-6XHZ-17E
URL: https://mienviro.michigan.gov/ncore/downloadpdf/-5534190941431857687,

Site ID: Document ID: 4368365023448955297
Document Name: 787628573749886281
Document Type: Project Review Report (PRR) (WORD).pdf Application Docs Resources Application/Request:
Document Description: HP0-WZ8Q-FS1J6. 7/23/2020
Document Date: 12:00:00 AM
Site Number: MVY6-6XHZ-17E
URL: https://mienviro.michigan.gov/ncore/downloadpdf/787628573749886281,

Site ID: Document ID: 4368365023448955297
Document Name: 2804909767187619203
Document Type: IMG_3463_v1.pdf Form Submission Attachments
Document Description: Application/Request: HP0-WZ8Q-FS1J6. Additional Required and Supplementary Documents
Document Date: Site Number: 7/22/2020 12:00:00 AM MVY6-6XHZ-17E
URL: https://mienviro.michigan.gov/ncore/downloadpdf/2804909767187619203,

Site ID: Document ID: 4368365023448955297
Document Name: -6445405736216535117
Document Type: IMG_3464_v1.pdf Form Submission Attachments
Document Description: Application/Request: HP0-WZ8Q-FS1J6. Additional Required and Supplementary Documents
Document Date: Site Number: 7/22/2020 12:00:00 AM MVY6-6XHZ-17E
URL: https://mienviro.michigan.gov/ncore/downloadpdf/-6445405736216535117,

Site ID: Document ID: Document Date: Site Number: URL:
Document Name:
Document Type:
Document Description:

4368365023448955297
-152773383561409449
LRBOI_SUGAR_SHACK_ROAD_EXHIBIT_v1.pdf
Form Submission Attachments

Application/Request: HP0-WZ8Q-FS1J6. Upload Site Plans and Cross Section Drawings for your Proposed Project
7/22/2020 12:00:00 AM
MVY6-6XHZ-17E
https://mienviro.michigan.gov/ncore/download.pdf/-152773383561409449,

Click this hyperlink while viewing on your computer to access additional MI ENVIRO: detail in the EDR Site Report.

Environmental Intentions:

Site ID:	4368365023448955297
Site Number:	MVY6-6XHZ-17E
Program ID:	WRP023839
Start Date Description:	Effective

2110 SUGAR SHACK ROAD (Continued) **S129802004**

Start Date: 7/23/2020 12:00:00 AM
End Date Description: Expiration / Termination
End Date: 7/23/2025
Type Code: 12:00:00 AM
ENV INT Number: Type RESC_MINR_PRJ
Description Long: CT WRP023839
Permit Number: WRP023839 v1. 0. Category: Resources Minor Project. Status: In Effect
Type Description: Resources Minor Project
Contact Inactive Staff
Name: ENV
INT Notes: Not reported

---

2 **3642 ORCHARD HIGHWAY, MANISTEE COUNTY** **INVENTORY** **S114035690**
SSE **3642 ORCHARD HIGHWAY** **PART 201** **N/A**
1/2-1 **MANISTEE, MI 49660** **BEA**
0.833 mi.
4399 ft.

Relative: INVENTORY:

Higher
Actual:
721 ft.

Name: Address: 3642 ORCHARD HIGHWAY, MANISTEE COUNTY
City,State, 3642 ORCHARD HIGHWAY
Zip: MANISTEE, MI 49660
Township: Manistee
District: Cadilla
Data Source: Lust c
Name: Risks Present and Require Action in Short-term Not reported
Regulatory Program: 201
Release Status: Not reported
Project Manager: Wheeler, Brandi
Latitude: 44.29885653
Longitude: -86.24506799

PART 201: Quarter/Quarter: Pollutants: Location Type: Work Unit: Project Manager: Risk Condition:
Name: Address:
City,State,Zip: Facility ID: Facility Status: Latitude: Source: Longitude: SAM Score:
SAM Score Date:
Township:
Range:
Section: Quarter:

3642 ORCHARD HIGHWAY, MANISTEE COUNTY	9885653		
Direction Distance	Not reported		
3642 ORCHARD HIGHWAY	-86.24506799		
MANISTEE, MI 49660	Not reported	Not reported	
51100071	Not reported		
N	Not reported		
Not reported	Not reported		
Not reported	Not reported		
Not reported	Not reported		
Not reported	Not reported		
Not reported	Not reported		
444.2	201		
	Not reported		
	Wheeler, Brandi		
	Risks Present and Require Action in Short-term		

BEA:

Name:	3642 ORCHARD HIGHWAY, MANISTEE COUNTY
Address:	3642 ORCHARD HIGHWAY

3642 ORCHARD HIGHWAY, MANISTEE COUNTY (Continued) **S114035690**

City,State,Zip:	MANISTEE, MI 49660
Secondary Address: BEA Number:	Not reported Not reported
District:	Not reported
Date Received: Submitter Name: Petition Determination: Petition Disclosure: Category: Determination 20107A: Reviewer:	10/23/2006 Not reported Not reported Not reported Not reported Not reported
Division Assigned:	Not reported
Location ID:	51100071
Submittal Type:	Baseline Environmental Assessment
Submittal Number:	B200600486CA
Approval Status:	RRD Received
Workflow Status:	Submitted
Date Submitted:	10/23/2006
Date Completed:	Not reported
Township:	Manistee
Work Unit:	Cadillac
Comments:	Not reported
Organization:	Little River Band of Ottawa Indians
Contact:	Not reported
Contact Type:	Not reported
Organization Street Address:	Not reported
Organization City:	Not reported
Organization State:	Not reported
Organization Zip Code: Organization County: Contact Street Address: Contact City:	Not reported
Contact Zip Code:	Not reported
Contact State:	Not reported
	Not reported
	Not reported
	Not reported

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

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

Date of Government Version: 09/25/2024
Date Data Arrived at EDR: 10/01/2024
Date Made Active in Reports: 10/23/2024
Number of Days to Update: 22
Source: EPA
Telephone: N/A
Last EDR Contact: 11/01/2024
Next Scheduled EDR Contact: 01/06/2025
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 09/25/2024
Date Data Arrived at EDR: 10/01/2024
Date Made Active in Reports: 10/23/2024
Number of Days to Update: 22
Source: EPA
Telephone: N/A
Last EDR Contact: 11/01/2024
Next Scheduled EDR Contact: 01/06/2025
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

compiles a listing of filed Notices of Superfund Liens.

Date of Government Version: 10/15/1991 Source: EPA
Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994 Number of Days to Update: 56
Telephone: 202-564-4267 Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 09/25/2024 Source: EPA
Date Data Arrived at EDR: 10/01/2024 Date Made Active in Reports: 10/23/2024 Number of Days to Update: 22
Telephone: N/A
Last EDR Contact: 11/01/2024
Next Scheduled EDR Contact: 01/06/2025
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 06/07/2024 Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/25/2024 Date Made Active in Reports: 09/19/2024 Number of Days to Update: 86
Telephone: 703-603-8704
Last EDR Contact: 09/24/2024
Next Scheduled EDR Contact: 01/09/2025
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 09/25/2024 Source: EPA
Date Data Arrived at EDR: 10/01/2024 Date Made Active in Reports: 10/23/2024 Number of Days to Update: 22
Telephone: 800-424-9346 Last EDR Contact: 11/01/2024
Next Scheduled EDR Contact: 01/20/2025 Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 09/25/2024 Source: EPA
Date Data Arrived at EDR: 10/01/2024 Date Made Active in Reports: 10/23/2024 Number of Days to Update: 22
Telephone: 800-424-9346 Last EDR Contact: 11/01/2024
Next Scheduled EDR Contact: 01/20/2025 Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/03/2024 Source: EPA
Date Data Arrived at EDR: 06/07/2024 Date Made Active in Reports: 06/20/2024 Number of Days to Update: 13
Telephone: 800-424-9346 Last EDR Contact: 09/17/2024
Next Scheduled EDR Contact: 12/30/2024 Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

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

Date of Government Version: 06/03/2024 Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/07/2024 Date Made Active in Reports: 06/20/2024 Number of Days to Update: 13
Telephone: 312-886-6186 Last EDR Contact: 09/17/2024
Next Scheduled EDR Contact: 12/30/2024 Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/03/2024
Source: Environmental Protection Agency
Date Data Arrived at EDR:
Telephone: 312-886-6186
06/07/2024 Date Made Active in
Last EDR Contact: 09/17/2024
Reports: 06/20/2024 Number of
Next Scheduled EDR Contact:
Days to Update: 13
12/30/2024 Data Release
Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 06/03/2024 Source: Environmental Protection Agency
Date Data Arrived at EDR: Telephone: 312-886-6186
06/07/2024 Date Made Active in Reports: Last EDR Contact: 09/17/2024
06/20/2024 Number of Days to Update: 13 Next Scheduled EDR Contact: 12/30/2024 Data Release Frequency: Quarterly

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

Date of Government Version: 06/03/2024 Source: Environmental Protection Agency
Date Data Arrived at EDR: Telephone: 312-886-6186
06/07/2024 Date Made Active in Reports: Last EDR Contact: 09/17/2024
06/20/2024 Number of Days to Update: 13 Next Scheduled EDR Contact: 12/30/2024 Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 07/15/2024 Source: Department of the Navy
Date Data Arrived at EDR: Telephone: 843-820-7326
07/17/2024 Date Made Active in Reports: Last EDR Contact: 10/30/2024
10/09/2024 Number of Days to Update: 84 Next Scheduled EDR Contact: 02/17/2025 Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 07/24/2024 Source: Environmental Protection Agency
Date Data Arrived at EDR: Telephone: 703-603-0695
08/08/2024 Date Made Active in Reports: Last EDR Contact: 08/08/2024
08/15/2024 Number of Days to Update: 7 Next Scheduled EDR Contact: 12/02/2024 Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 07/24/2024
Source: Environmental Protection Agency
Date Data Arrived at EDR:
Telephone: 703-603-0695
08/08/2024 Date Made Active in
Last EDR Contact: 08/08/2024
Reports: 08/15/2024 Number of
Next Scheduled EDR Contact:
Days to Update: 7
12/02/2024 Data Release
Frequency: Varies

Federal ERNS list

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

Date of Government Version: 06/11/2024
Date Data Arrived at EDR: 06/17/2024 Date Made Active in Reports: 09/04/2024 Number of Days to Update: 79
Source: National Response Center, United States Coast Guard Telephone: 202-267-2180
Last EDR Contact: 09/17/2024
Next Scheduled EDR Contact: 12/30/2024 Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

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

Date of Government Version: N/A
Date Data Arrived at EDR: 10/31/2013
Date Made Active in Reports: 11/20/2013
Number of Days to Update: 20
Source: Department of Environment, Great Lakes, and Energy Telephone: 517-284-5103
Last EDR Contact: 10/09/2024
Next Scheduled EDR Contact: 01/27/2025
Data Release Frequency: No Update Planned

Lists of state and tribal landfills and solid waste disposal facilities

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

Date of Government Version: 06/17/2024
Date Data Arrived at EDR: 06/17/2024 Date Made Active in Reports: 09/11/2024 Number of Days to Update: 86
Source: Department of Environment, Great Lakes, and Energy Telephone: 517-335-4035
Last EDR Contact: 09/17/2024
Next Scheduled EDR Contact: 12/30/2024 Data Release Frequency: Semi-Annually

Lists of state and tribal leaking storage tanks

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

Date of Government Version: 08/01/2024
Date Data Arrived at EDR: 08/07/2024 Date Made Active in Reports: 10/23/2024 Number of Days to Update: 77
Source: Department of Environment, Great Lakes, and Energy Telephone: 517-373-9837
Last EDR Contact: 10/30/2024
Next Scheduled EDR Contact: 02/17/2025 Data Release Frequency: Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 05/07/2024
Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024 Number of Days to Update: 90

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EPA Region 10
Telephone: 206-553-2857 Last EDR Contact: 10/16/2024
Next Scheduled EDR Contact: 01/27/2025 Data Release Frequency: Varies

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

Date of Government Version: 05/07/2024 Source: EPA Region 1
Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024 Number of Days to Update: 90 Telephone: 617-918-1313 Last EDR Contact: 10/16/2024 Next Scheduled EDR Contact: 01/27/2025 Data Release Frequency: Varies

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

Date of Government Version: 05/07/2024 Source: EPA Region 4
Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024 Number of Days to Update: 90 Telephone: 404-562-8677 Last EDR Contact: 10/16/2024 Next Scheduled EDR Contact: 01/27/2025 Data Release Frequency: Varies

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

Date of Government Version: 05/07/2024 Source: EPA Region 8
Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024 Number of Days to Update: 90 Telephone: 303-312-6271 Last EDR Contact: 10/16/2024 Next Scheduled EDR Contact: 01/27/2025 Data Release Frequency: Varies

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

Date of Government Version: 05/07/2024 Source: EPA Region 6
Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024 Number of Days to Update: 90 Telephone: 214-665-6597 Last EDR Contact: 10/16/2024 Next Scheduled EDR Contact: 01/27/2025 Data Release Frequency: Varies

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

Date of Government Version: 04/11/2024 Source: EPA, Region 5
Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024 Number of Days to Update: 90 Telephone: 312-886-7439 Last EDR Contact: 10/16/2024 Next Scheduled EDR Contact: 01/27/2025 Data Release Frequency: Varies

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

Date of Government Version: 05/07/2024
Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024 Number of Days to Update: 90

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EPA Region 7
Telephone: 913-551-7003 Last EDR Contact: 10/16/2024
Next Scheduled EDR Contact: 01/27/2025 Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 05/07/2024
Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024 Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 10/16/2024
Next Scheduled EDR Contact: 01/27/2025 Data Release Frequency: Varies

Lists of state and tribal registered storage tanks

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 03/15/2024 Source: FEMA Telephone: 202-646-5797
Date Data Arrived at EDR: 03/19/2024 Date Made Active in Reports: 06/17/2024 Number of Days to Update: 90
Last EDR Contact: 09/25/2024
Next Scheduled EDR Contact: 01/13/2025 Data Release Frequency: Varies

UST 2: Underground Storage Tank Listing
A listing of underground storage tank site locations that have unknown owner information.

Date of Government Version: 01/08/2024 Source: Department of Licensing & Regulatory Affairs
Date Data Arrived at EDR: 01/18/2024 Date Made Active in Reports: 04/09/2024 Number of Days to Update: 82
Telephone: 517-373-1820
Last EDR Contact: 09/18/2024
Next Scheduled EDR Contact: 01/06/2025 Data Release Frequency: Varies

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

Date of Government Version: 07/24/2024 Source: Department of Licensing & Regulatory Affairs
Date Data Arrived at EDR: 08/06/2024 Date Made Active in Reports: 10/23/2024 Number of Days to Update: 78
Telephone: 517-373-1820
Last EDR Contact: 11/06/2024
Next Scheduled EDR Contact: 02/17/2025 Data Release Frequency: Annually

AST: Aboveground Tanks
Registered Aboveground Storage Tanks.

Date of Government Version: 08/01/2024 Source: Department of Licensing & Regulatory Affairs
Date Data Arrived at EDR: 08/07/2024 Date Made Active in Reports: 10/23/2024 Number of Days to Update: 77
Telephone: 517-373-1820
Last EDR Contact: 10/30/2024
Next Scheduled EDR Contact: 02/17/2025 Data Release Frequency: No Update Planned

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 05/14/2024 Source: EPA, Region 1
Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024 Number of Days to Update: 90
Telephone: 617-918-1313 Last EDR Contact: 10/16/2024
Next Scheduled EDR Contact: 01/27/2025 Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/11/2024 Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024 Number of Days to Update: 90

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR Historical Auto Stations - Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 10/16/2024

Next Scheduled EDR Contact:
01/27/2025 Data Release
Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/14/2024 Source: EPA Region 6
Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024 Number of Days to Update: 90
Telephone: 214-665-7591 Last EDR Contact: 10/16/2024
Next Scheduled EDR Contact: 01/27/2025 Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/14/2024 Source: EPA Region 4
Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024 Number of Days to Update: 90
Telephone: 404-562-9424 Last EDR Contact: 10/16/2024
Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/14/2024 Source: EPA Region 9
Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024 Number of Days to Update: 90
Telephone: 415-972-3368 Last EDR Contact: 10/16/2024
Next Scheduled EDR Contact: 01/27/2025 Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/14/2024 Source: EPA Region 8
Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024 Number of Days to Update: 90
Telephone: 303-312-6137 Last EDR Contact: 10/16/2024
Next Scheduled EDR Contact: 01/27/2025 Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/14/2024
Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024 Number of Days to Update: 90

urce: EPA Region 7
Telephone: 913-551-7003 Last EDR Contact: 10/16/2024
Next Scheduled EDR Contact: 01/27/2025 Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/14/2024 Source: EPA Region 10
Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024 Number of Days to Update: 90
Telephone: 206-553-2857 Last EDR Contact: 10/16/2024
Next Scheduled EDR Contact: 01/27/2025 Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal institutional control / engineering control registries

AUL: Engineering and Institutional Controls
A listing of sites with institutional and/or engineering controls in place.

Date of Government Version: 08/20/2024 Source: Department of Environment, Great Lakes, and Energy Telephone: 517-373-4828
Date Data Arrived at EDR: 08/20/2024 Date Made Active in Reports: 08/21/2024 Number of Days to Update: 1
Last EDR Contact: 08/13/2024
Next Scheduled EDR Contact: 12/02/2024 Data Release Frequency: Quarterly

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015 Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015 Date Made Active in Reports: 02/18/2016 Number of Days to Update: 142
Telephone: 617-918-1102 Last EDR Contact: 09/10/2024
Next Scheduled EDR Contact: 12/30/2024 Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

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

Lists of state and tribal brownfield sites

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

Date of Government Version: 04/16/2024 Source: Department of Environment, Great Lakes, and Energy Telephone: 517-373-4805
Date Data Arrived at EDR: 07/16/2024 Date Made Active in Reports: 10/04/2024 Number of Days to Update: 80
Last EDR Contact: 10/17/2024
Next Scheduled EDR Contact: 01/27/2025 Data Release Frequency: Varies

BROWNFIELDS 2: Brownfields Building and Land Site Locations
A listing of brownfield building and land site locations. The listing is a collaborative effort of Michigan Economic Development Corporation, Michigan Economic Developers Association, Detrot Edison, Detroit Area Commercial Board of Realtors

ADDITIONAL ENVIRONMENTAL RECORDS

Date of Government Version: 07/15/2024
Date Data Arrived at EDR: 07/19/2024 Date Made Active in Reports: 07/24/2024 Number of Days to Update: 5

Jrce: Econo mic Develo pment Corpora

tion Telephone: 985-822-5103
Last EDR Contact: 10/15/2024
Next Scheduled EDR Contact:
01/27/2025 Data Release
Frequency: Varies

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 06/10/2024
Date Data Arrived at EDR: 06/11/2024 Date Made Active in Reports: 09/04/2024 Number of Days to Update: 85
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/11/2024
Next Scheduled EDR Contact: 12/23/2024 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Facilities
A listing of recycling center locations.

Date of Government Version: 06/14/2024
Date Data Arrived at EDR: 06/14/2024 Date Made Active in Reports: 09/06/2024 Number of Days to Update: 84
Source: Department of Environment, Great Lakes, and Energy Telephone: 517-241-5719
Last EDR Contact: 09/10/2024
Next Scheduled EDR Contact: 12/30/2024 Data Release Frequency: Varies

HIST LF: Inactive Solid Waste Facilities
The database contains historical information and is no longer updated.

Date of Government Version: 03/01/1997
Date Data Arrived at EDR: 02/28/2003 Date Made Active in Reports: 03/06/2003 Number of Days to Update: 6
Source: Department of Environment, Great Lakes, and Energy Telephone: 517-335-4034
Last EDR Contact: 02/28/2003 Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007 Date Made Active in Reports: 01/24/2008 Number of Days to Update: 52
Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/17/2024
Next Scheduled EDR Contact: 02/03/2025 Data Release Frequency: Varies

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

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004 Date Made Active in Reports: 09/17/2004 Number of Days to Update: 39
Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009 Date Made Active in Reports: 09/21/2009 Number of Days to Update: 137
Source: EPA, Region 9
Telephone: 415-947-4219 Last EDR Contact: 10/09/2024
Next Scheduled EDR Contact: 01/27/2025

Data Releas — EDR Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

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

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

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 10/10/2024
Next Scheduled EDR Contact: 02/03/2025
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 05/20/2024 Source: Drug Enforcement Administration
Date Data Arrived at EDR: Telephone: 202-307-1000
08/19/2024 Date Made Active in Last EDR Contact: 08/19/2024
Reports: 10/09/2024 Number of Next Scheduled EDR Contact: 12/02/2024
Days to Update: 51 Data Release Frequency: No Update Planned

INVENTORY: Inventory of Facilities

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

Date of Government Version: 07/15/2024 Source: Department of Environment, Great Lakes, and
Date Data Arrived at EDR: Energy Telephone: 517-284-5136
07/16/2024 Date Made Active in Last EDR Contact: 10/16/2024
Reports: 10/07/2024 Number of Next Scheduled EDR Contact:
Days to Update: 83 01/27/2025 Data Release Frequency: Quarterly

PART 201: Part 201 Site List

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

Days to Update: 83

Date of Government Version: 07/15/2024
Date Data Arrived at EDR:
07/16/2024 Date Made Active in
Reports: 10/07/2024 Number of

urce: Department of Environment, Great Lakes, and Energy
Telephone: 517-284-5103

Last EDR Contact: 10/09/2024
Next Scheduled EDR Contact: 01/27/2025
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Lab Listing
A listing of clandestine drug lab locations.

Date of Government Version: 07/17/2024
Date Data Arrived at EDR: 07/31/2024 Date Made Active in Reports: 08/08/2024 Number of Days to Update: 8

Source: Department of Community Health
Telephone: 517-373-3740
Last EDR Contact: 10/09/2024
Next Scheduled EDR Contact: 01/27/2025
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DEL PART 201: Delisted List of Contaminated Sites

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

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

Date of Government Version: 07/15/2024 Source: Department of Environment, Great Lakes, and Energy
Date Data Arrived at EDR: 07/16/2024 Telephone: 517-373-9541
Date Made Active in Reports: 10/07/2024 Last EDR Contact: 10/16/2024
Number of Days to Update: 83 Next Scheduled EDR Contact: 01/27/2025
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

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

Date of Government Version: 05/20/2024 Source: Drug Enforcement Administration
Date Data Arrived at EDR: 08/19/2024 Telephone: 202-307-1000
Date Made Active in Reports: 10/09/2024 Last EDR Contact: 08/19/2024
Number of Days to Update: 51 Next Scheduled EDR Contact: 12/02/2024 Data Release Frequency: Quarterly

Local Land Records

LIENS: Lien List

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

Date of Government Version: 07/09/2024 Source: Department of Environment, Great Lakes, and Energy
Date Data Arrived at EDR: 07/09/2024 Telephone: 517-241-7603
Date Made Active in Reports: 09/30/2024 Last EDR Contact: 10/08/2024
Number of Days to Update: 83 Next Scheduled EDR Contact: 01/20/2025 Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 09/25/2024 Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/01/2024 Telephone: 202-564-6023
Date Made Active in Reports: 10/23/2024 Last EDR Contact: 11/01/2024
Number of Days to Update: 22 Next Scheduled EDR Contact: 01/06/2025 Data Release

Records of Emergency Release Reports

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

Date of Government Version: 06/14/2024
Date Data Arrived at EDR: 06/17/2024 Date Made Active in Reports: 06/24/2024 Number of Days to Update: 7

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/17/2024
Next Scheduled EDR Contact: 12/30/2024 Data Release Frequency: Quarterly

PEAS: Pollution Emergency Alerting System

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

Date of Government Version: 06/03/2024 Source: Department of Environment, Great Lakes, and Energy
Date Data Arrived at EDR: Telephone: 517-373-8427
07/17/2024 Date Made Active in Reports: 10/08/2024 Last EDR Contact: 10/16/2024
Number of Days to Update: 83 Next Scheduled EDR Contact: 01/27/2025
Data Release Frequency: Quarterly

Other Ascertainable Records

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

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

Date of Government Version: 06/03/2024 Source: Environmental Protection Agency
Date Data Arrived at EDR: Telephone: 312-886-6186
06/07/2024 Date Made Active in Reports: 06/20/2024 Last EDR Contact: 09/17/2024
Number of Days to Update: 13 Next Scheduled EDR Contact: 12/30/2024
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 07/31/2024 Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: Telephone: 202-528-4285
08/12/2024 Date Made Active in Reports: 10/09/2024 Last EDR Contact: 08/12/2024
Number of Days to Update: 58 Next Scheduled EDR Contact: 11/26/2024
Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 06/07/2021 Source: USGS Telephone: 888-275-8747
Date Data Arrived at EDR:
07/13/2021 Date Made Active in Reports: 03/09/2022 Last EDR Contact: 10/10/2024
Number of Days to Update: 239 Next Scheduled EDR Contact: 01/20/2025
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 04/02/2018 Date Data Arrived at EDR: 04/11/2018 Date Made Active in

Reports: 11/06/2019 Number Source: U.S. Geological Survey
Days to Update: 574 Telephone: 888-275-8747
Last EDR Contact: 10/03/2024
Next Scheduled EDR Contact: 01/13/2025
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023 Date Made Active in Reports: 02/10/2023 Number of Days to Update: 7
Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/04/2024
Next Scheduled EDR Contact: 02/17/2025 Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 06/10/2024
Date Data Arrived at EDR: 06/17/2024 Date Made Active in Reports: 09/04/2024 Number of Days to Update: 79
Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/17/2024
Next Scheduled EDR Contact: 12/30/2024 Data Release Frequency: Quarterly

EPA WATCH LIST: EPA Watch List

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being

on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation

has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 06/17/2014 Number of Days to Update: 88
Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 10/24/2024
Next Scheduled EDR Contact: 02/10/2025
Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but

have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018 Date Made Active in Reports: 07/20/2018 Number of Days to Update: 73
Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 10/31/2024
Next Scheduled EDR Contact: 02/10/2025 Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022 Date Made Active in Reports: 03/24/2023 Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521 Last EDR Contact: 10/03/2024
Next Scheduled EDR Contact: 12/23/2024 Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2022 Source: EPA
Date Data Arrived at EDR: 11/13/2023 Date Made Active in Reports: 02/07/2024 Number of Days to Update: 86 Telephone: 202-566-0250 Last EDR Contact: 09/25/2024 Next Scheduled EDR Contact: 01/06/2025 Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 07/11/2024 Source: EPA
Date Data Arrived at EDR: 07/11/2024 Date Made Active in Reports: 07/12/2024 Number of Days to Update: 1 Telephone: 202-564-4203 Last EDR Contact: 10/16/2024 Next Scheduled EDR Contact: 01/27/2025 Data Release Frequency: Annually

ROD: Records Of Decision

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

Date of Government Version: 08/27/2024 Source: EPA
Date Data Arrived at EDR: 09/03/2024 Date Made Active in Reports: 09/19/2024 Number of Days to Update: 16 Telephone: 703-416-0223 Last EDR Contact: 11/01/2024 Next Scheduled EDR Contact: 12/09/2024 Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances

to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative

accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 07/12/2024 Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/17/2024 Date Made Active in Reports: 10/09/2024 Number of Days to Update: 84 Telephone: 202-564-8600 Last EDR Contact: 10/09/2024 Next Scheduled EDR Contact: 01/27/2025 Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

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

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 09/19/2023 Source: EPA
Date Data Arrived at EDR: 10/03/2023 Date Made Active in Reports: 10/19/2023 Number of Days to Update: 16
Telephone: 202-564-6023 Last EDR Contact: 10/01/2024
Next Scheduled EDR Contact: 02/10/2025 Data Release Frequency: Quarterly

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

Date of Government Version: 05/23/2024 Source: EPA
Date Data Arrived at EDR: 07/02/2024 Date Made Active in Reports: 09/26/2024 Number of Days to Update: 86
Telephone: 202-566-0500 Last EDR Contact: 10/02/2024
Next Scheduled EDR Contact: 01/13/2025 Data Release Frequency: Annually

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

Date of Government Version: 11/18/2016 Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016 Date Made Active in Reports: 02/10/2017 Number of Days to Update: 79
Telephone: 202-564-2501
Last EDR Contact: 09/25/2024
Next Scheduled EDR Contact: 01/13/2025 Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA,
TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

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

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MLTS: Material Licensing Tracking System

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

Date of Government Version: 06/06/2024
Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 06/07/2024
Telephone: 301-415-0717
Date Made Active in Reports: 09/04/2024
Last EDR Contact: 10/09/2024
Number of Days to Update: 89
Next Scheduled EDR Contact: 01/27/2025
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 11/27/2023
Date Made Active in Reports: 02/22/2024
Number of Days to Update: 87
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 10/16/2024
Next Scheduled EDR Contact: 12/09/2024
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 08/22/2024
Next Scheduled EDR Contact: 12/09/2024
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 10/31/2024
Next Scheduled EDR Contact: 02/10/2025
Data Release Frequency: Varies

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

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 09/18/2024
Next Scheduled EDR Contact: 01/06/2025
Data Release Frequency: Quarterly

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

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

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

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some

EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

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

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Source: Department of Transporation, Office of Pipeline Safety
Date Data Arrived at EDR: 01/28/2020
Telephone: 202-366-4595
Date Made Active in Reports: 04/17/2020
Last EDR Contact: 10/16/2024
Number of Days to Update: 80
Next Scheduled EDR Contact: 02/03/2025
Data Release Frequency: Quarterly

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

Date of Government Version: 06/30/2024
Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 07/08/2024
Telephone: Varies
Date Made Active in Reports: 09/26/2024
Last EDR Contact: 09/25/2024
Number of Days to Update: 80
Next Scheduled EDR Contact: 01/13/2025
Data Release Frequency: Varies

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

Date of Government Version: 12/31/2021
Source: EPA/NTIS
Telephone: 800-424-9346
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Last EDR Contact: 09/17/2024
Number of Days to Update: 11
Next Scheduled EDR Contact: 12/30/2024
Data Release Frequency: Biennially

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

Date of Government Version: 12/31/2014
Source: USGS
Telephone: 202-208-3710
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Last EDR Contact: 10/01/2024
Number of Days to Update: 546
Next Scheduled EDR Contact: 01/13/2025
Data Release Frequency: Semi-Annually

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

Date of Government Version: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

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partment of Energy
Telephone: 202-586-
3559 Last EDR Contact:
10/24/2024
Next Scheduled EDR Contact:
02/10/2025 Data Release
Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 05/08/2024
Date Data Arrived at EDR: 08/14/2024 Date Made Active in Reports: 08/28/2024 Number of Days to Update: 14
Source: Department of Energy
Telephone: 505-845-0011 Last EDR Contact: 08/08/2024
Next Scheduled EDR Contact: 11/26/2024 Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 09/25/2024
Date Data Arrived at EDR: 10/01/2024 Date Made Active in Reports: 10/23/2024 Number of Days to Update: 22
Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 11/01/2024
Next Scheduled EDR Contact: 01/06/2025 Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites
A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

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

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

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

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

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

US MINES: Mines Master Index File
Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/06/2024
Date Data Arrived at EDR: 08/14/2024
Date Made Active in Reports: 08/15/2024
Number of Days to Update: 1
Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/14/2024
Next Scheduled EDR Contact: 12/02/2024
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data
Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 10/01/2024 Source: DOL, Mine Safety & Health Admi
Date Data Arrived at EDR: Telephone: 202-693-9424
10/02/2024 Date Made Active in Last EDR Contact: 10/02/2024
Reports: 10/09/2024 Number of Next Scheduled EDR Contact:
Days to Update: 7 12/02/2024 Data Release
Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

Date of Government Version: 05/02/2024 Source: USGS Telephone:
Date Data Arrived at EDR: 703-648-7709
08/20/2024 Date Made Active in Last EDR Contact: 08/20/2024
Reports: 10/09/2024 Number of Next Scheduled EDR Contact:
Days to Update: 50 12/02/2024 Data Release
Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

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

Date of Government Version: 04/14/2011 Source: USGS Telephone:
Date Data Arrived at EDR: 703-648-7709
06/08/2011 Date Made Active in Last EDR Contact: 08/22/2024
Reports: 09/13/2011 Number of Next Scheduled EDR Contact:
Days to Update: 97 12/02/2024 Data Release
Frequency: Varies

ABANDONED MINES: Abandoned Mines

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

Date of Government Version: 06/13/2024 Source: Department of Interior
Date Data Arrived at EDR: Telephone: 202-208-
06/14/2024 Date Made Active in 2609 Last EDR Contact:
Reports: 09/04/2024 Number of 09/10/2024
Days to Update: 82 Next Scheduled EDR Contact:
12/16/2024 Data Release
Frequency: Quarterly

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System Source: USGS Telephone: 703-648-6533

Date of Government Version: 08/23/2022 Last EDR Contact: 08/22/2024
Date Data Arrived at EDR: Next Scheduled EDR Contact:
11/22/2022 Date Made Active in 12/02/2024 Data Release
Reports: 02/28/2023 Number of Frequency: Varies
Days to Update: 98

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 08/13/2024 Source: EPA
Date Data Arrived at EDR: 08/20/2024 Date Made Active in Reports: 08/28/2024 Number of Days to Update: 8 Telephone: (312) 353-2000 Last EDR Contact: 08/20/2024 Next Scheduled EDR Contact: 12/09/2024 Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information
ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 06/23/2024
Date Data Arrived at EDR: 06/28/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 14
Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 10/01/2024
Next Scheduled EDR Contact: 01/13/2025
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing
A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82
Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/13/2024
Next Scheduled EDR Contact: 12/02/2024
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 89
Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/03/2024
Next Scheduled EDR Contact: 01/20/2025
Data Release Frequency: Varies

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

Date of Government Version: 08/13/2024
Date Data Arrived at EDR: 08/13/2024
Date Made Active in Reports: 10/09/2024
Number of Days to Update: 57
Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/13/2024
Next Scheduled EDR Contact: 11/26/2024
Data Release Frequency: Quarterly

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

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024
Date Made Active in Reports: 07/12/2024
Number of Days to Update: 11
Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 10/02/2024
Next Scheduled EDR Contact: 01/13/2025
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information
Several federal entities, such as the federal Superfund program, Department of Defense, National

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024 Date Made Active in Reports: 07/12/2024 Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/02/2024
Next Scheduled EDR Contact: 01/13/2025 Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

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

Date of Government Version: 07/01/2024 Source: Environmental Protection Agency
Date Data Arrived at EDR: Telephone: 202-272-0167
07/01/2024 Date Made Active in Reports: 07/12/2024 Number of Days to Update: 11
Last EDR Contact: 10/02/2024
Next Scheduled EDR Contact: 01/13/2025 Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 07/01/2024 Source: Environmental Protection Agency
Date Data Arrived at EDR: Telephone: 202-566-0250
07/01/2024 Date Made Active in Reports: 07/12/2024 Number of Days to Update: 11
Last EDR Contact: 10/02/2024
Next Scheduled EDR Contact: 01/13/2025 Data Release Frequency: Varies

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

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 07/01/2024 Source: Environmental Protection Agency
Date Data Arrived at EDR: Telephone: 202-272-0167
07/01/2024 Date Made Active in Reports: 07/12/2024 Number of Days to Update: 11
Last EDR Contact: 10/02/2024
Next Scheduled EDR Contact: 01/13/2025 Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

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

Date of Government Version: 06/24/2020 Source: Department of Health & Human Services
Date Data Arrived at EDR: Telephone: 202-741-5770
03/17/2021 Date Made Active in Reports: 11/08/2022 Number of Days to Update: 601
Last EDR Contact: 10/17/2024
Next Scheduled EDR Contact: 02/03/2025 Data Release Frequency: Varies

PFAS WQP : Ambient Environmental Sampling for PFAS

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

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024 Date Made Active in Reports: 07/12/2024 Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/02/2024
Next Scheduled EDR Contact: 01/13/2025 Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

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

Less 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. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 07/01/2024
Source: Environmental Protection Agency
Date Data Arrived at EDR:
Telephone: 202-272-0167
07/01/2024 Date Made Active in
Last EDR Contact: 10/02/2024
Reports: 07/12/2024 Number of
Next Scheduled EDR Contact:
Days to Update: 11
01/13/2025 Data Release
Frequency: Varies

PFAS PROJECT: NORTHEASTERN UNIVERSITY PFAS PROJECT

The PFAS Contamination Site Tracker records qualitative and quantitative data from each site in a chart, specifically examining discovery, contamination levels, government response, litigation, health impacts, media coverage, and community characteristics. All data presented in the chart were extracted from government websites, such as state health departments or the Environmental Protection Agency, and news articles.

Date of Government Version: 05/19/2023
Source: Social Science Environmental Health Research Institute
Date Data Arrived at EDR:
Telephone: N/A
04/05/2024 Date Made Active in
Last EDR Contact: 09/05/2024
Reports: 06/06/2024 Number of
Next Scheduled EDR Contact:
Days to Update: 62
12/16/2024 Data Release
Frequency: Varies

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

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

Date of Government Version: 07/01/2024
Source: Environmental Protection Agency
Date Data Arrived at EDR:
Telephone: 202-272-0167
07/01/2024 Date Made Active in
Last EDR Contact: 10/02/2024
Reports: 07/12/2024 Number of
Next Scheduled EDR Contact:
Days to Update: 11
01/13/2025 Data Release
Frequency: Varies

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

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

Date of Government Version: 07/01/2024
Date Data Arrived at EDR:
07/01/2024 Date Made Active in Reports: 07/12/2024 Number of Days to Update: 11

Source: Environmental Protection Agency Telephone: 202-272-0167

Last EDR Contact: 10/02/2024

Next Scheduled EDR Contact:
01/13/2025 Data Release
Frequency: Varies

PFAS PT 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

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

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024 Date Made Active in Reports: 07/12/2024 Number of Days to Update: 11
Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/02/2024
Next Scheduled EDR Contact: 01/13/2025 Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

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

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 07/01/2024 Date Made Active in Reports: 07/12/2024 Number of Days to Update: 11
Source: Environmental Protection Agency
Telephone: 202-267-2675
Last EDR Contact: 10/02/2024
Next Scheduled EDR Contact: 01/13/2025 Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015 Date Made Active in Reports: 03/06/2015 Number of Days to Update: 29
Source: EPA
Telephone: 202-564-2497 Last EDR Contact: 09/25/2024
Next Scheduled EDR Contact: 01/13/2025 Data Release Frequency: Varies

PCS: Permit Compliance System

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

Date of Government Version: 12/16/2016
Date Data Arrived at EDR: 01/06/2017 Date Made Active in Reports: 03/10/2017 Number of Days to Update: 63
Source: EPA, Office of Water
Telephone: 202-564-2496 Last EDR Contact: 09/25/2024
Next Scheduled EDR Contact: 01/13/2025 Data Release Frequency: No Update Planned

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 10/13/2024
Date Data Arrived at EDR: 10/16/2024 Date Made Active in Reports: 10/23/2024 Number of Days to Update: 7
Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 10/16/2024
Next Scheduled EDR Contact: 01/27/2025 Data Release Frequency: Varies

UST FINDER RELEASE: UST Finder Releases Database

US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023
Source: Environmental Protecton Agency
Date Data Arrived at EDR:
Telephone: 202-564-0394
10/31/2023 Date Made Active in
Last EDR Contact: 08/08/2024
Reports: 01/18/2024 Number of
Next Scheduled EDR Contact:
Days to Update: 79
11/18/2024 Data Release
Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST FINDER: UST Finder Database

EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed

USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories . UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023 Source: Environmental Protection Agency
Date Data Arrived at EDR: Telephone: 202-564-0394
10/04/2023 Date Made Active in Last EDR Contact: 08/08/2024
Reports: 01/18/2024 Number of Next Scheduled EDR Contact:
Days to Update: 106 11/18/2024 Data Release
Frequency: Varies

E MANIFEST: Hazardous Waste Electronic Manifest System

EPA established a national system for tracking hazardous waste shipments electronically. This system, known as ?e-Manifest,? will modernize the nation?s cradle-to-grave hazardous waste tracking process while saving valuable time, resources, and dollars for industry and states.

Date of Government Version: 07/24/2023 Source: Environmental Protection Agency
Date Data Arrived at EDR: Telephone: 833-501-6826
04/18/2024 Date Made Active in Last EDR Contact: 09/17/2024
Reports: 06/06/2024 Number of Next Scheduled EDR Contact:
Days to Update: 49 12/30/2024 Data Release
Frequency: Varies

PFAS: PFAS Contaminated Sites Listing

PFAS have been widely used in numerous industrial and residential applications since the 1950a??s. Their stability and unique chemical properties produce waterproof, stain resistant, and nonstick qualities in products. They are

found in some firefighting foams and a wide range of consumer products such as carpet treatments, non-stick cookware, water-resistant fabrics, food packaging materials, and personal care products.

Date of Government Version: 02/15/2024 Source: Department of Environment, Great Lakes & Energy
Date Data Arrived at EDR: Telephone: 517-284-9278
08/06/2024 Date Made Active in Last EDR Contact: 11/06/2024
Reports: 10/24/2024 Number of Next Scheduled EDR Contact:
Days to Update: 79 02/17/2025 Data Release
Frequency: Varies

AQUEOUS FOAM: Aqueous Film Forma Foam Listing

Sites with Aqueous Film Forming Foam contamination, as reported to the Department of Environment, Great Lakes & Energy. AFFF is a fire suppressant used to extinguish flammable liquid fires such as fuel fires.

Date of Government Version: 06/07/2024 Source: Department of Environment, Great Lakes & Energy
Date Data Arrived at EDR: Telephone: 517-284-9278
06/24/2024 Date Made Active in Last EDR Contact: 09/18/2024
Reports: 08/19/2024 Number of Next Scheduled EDR Contact:
Days to Update: 56 01/06/2025 Data Release
Frequency: Varies

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

Date of Government Version: 06/11/2024 Date Data Arrived at EDR: 06/12/2024 Date Made Active in Reports: 09/06/2024 Number of Days to Update: 86

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Lakes, and Energy Telephone: 517-373-7074
Last EDR Contact: 09/05/2024
Next Scheduled EDR Contact:
12/23/2024 Data Release
Frequency: Annually

ırce: Department of
Environment, Great

ASBESTOS: Asbestos Notification
Listing Asbestos

Date of Government Version: 09/30/2024
Date Data Arrived at EDR: 10/16/2024 Date Made Active in Reports: 10/23/2024 Number of Days to Update: 7
Source: Department of Licensing & Regulatory Affairs
Telephone: 517-284-7699
Last EDR Contact: 10/07/2024
Next Scheduled EDR Contact: 01/13/2025
Data Release Frequency: Quarterly

BEA: Baseline Environmental Assessment Database

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

Date of Government Version: 08/15/2024
Date Data Arrived at EDR: 08/16/2024 Date Made Active in Reports: 11/04/2024 Number of Days to Update: 80
Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-373-9541
Last EDR Contact: 10/30/2024
Next Scheduled EDR Contact: 02/17/2025
Data Release Frequency: No Update Planned

COAL ASH: Coal Ash Disposal Sites

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

Date of Government Version: 04/01/2021
Date Data Arrived at EDR: 04/06/2021 Date Made Active in Reports: 06/24/2021 Number of Days to Update: 79
Source: Department of Environment, Great Lakes, and Energy
Telephone: 586-753-3754
Last EDR Contact: 09/18/2024
Next Scheduled EDR Contact: 01/06/2025
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Establishments

A listing of drycleaning facilities in Michigan.

Date of Government Version: 04/25/2024
Date Data Arrived at EDR: 07/09/2024 Date Made Active in Reports: 10/02/2024 Number of Days to Update: 85
Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-335-4586
Last EDR Contact: 10/10/2024
Next Scheduled EDR Contact: 01/20/2025
Data Release Frequency: Quarterly

FIN ASSURANCE 1: Financial Assurance Information Listing

Financial assurance information.

Date of Government Version: 03/02/2024
Date Data Arrived at EDR: 04/04/2024 Date Made Active in Reports: 07/02/2024 Number of Days to Update: 89
Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-335-6610
Last EDR Contact: 09/18/2024
Next Scheduled EDR Contact: 01/06/2025
Data Release Frequency: Semi-Annually

FIN ASSURANCE 2: Financial Assurance Information Listing

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

Date of Government Version: 06/20/2024
Date Data Arrived at EDR: 06/26/2024 Date Made Active in Reports: 09/16/2024 Number of Days to Update: 82

Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-335-4034
Last EDR Contact: 09/18/2024
Next Scheduled EDR Contact: 12/30/2024 Data Release Frequency: Varies

FIN ASSURANCE 3: Financial Assurance Information Listing
Financial assurance information for underground storage tank facilities.

Date of Government Version: 06/24/2024
Date Data Arrived at EDR: 07/02/2024 Date Made Active in Reports: 07/15/2024 Number of Days to Update: 13
Source: Department of Licensing & Regulatory Affairs
Telephone: 517-335-7279
Last EDR Contact: 09/18/2024
Next Scheduled EDR Contact: 01/06/2025 Data Release Frequency: Varies

LEAD: Lead Information Registry Listing

All properties in this registry received a lead-based paint inspection or a lead risk assessment, and a lead abatement service. A lead-based paint inspection identifies any lead present on the property. The lead risk assessment determines if any of the lead found is a hazard. Lead abatement services address or remove the lead hazards.

Date of Government Version: 02/28/2024
Date Data Arrived at EDR: 02/29/2024
Date Made Active in Reports: 05/21/2024
Number of Days to Update: 82
Source: Department of Health & Human Services
Telephone: 517-335-9390
Last EDR Contact: 08/20/2024
Next Scheduled EDR Contact: 12/09/2024
Data Release Frequency: Varies

LEAD CERT: Lead Safe Housing Registry

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

Date of Government Version: 03/25/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 82
Source: Department of Community Health
Telephone: 517-335-9699
Last EDR Contact: 08/20/2024
Next Scheduled EDR Contact: 12/09/2024
Data Release Frequency: Quarterly

MI MANIFEST: Hazardous Waste Manifest Data

A generator who transports, or offers for transportation, hazardous waste for off-site treatment, storage or disposal must prepare a hazardous waste manifest to accompany such shipment.

Date of Government Version: 06/30/2023
Date Data Arrived at EDR: 06/23/2023
Date Made Active in Reports: 12/12/2023
Number of Days to Update: 172
Source: Department of Environment, Great Lakes & Energy
Telephone: 517-284-6838
Last EDR Contact: 10/16/2024
Next Scheduled EDR Contact: 02/03/2025
Data Release Frequency: Annually

NPDES: List of Active NPDES Permits

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

Date of Government Version: 06/25/2024
Date Data Arrived at EDR: 06/26/2024
Date Made Active in Reports: 07/10/2024
Number of Days to Update: 14
Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-241-1300
Last EDR Contact: 09/18/2024
Next Scheduled EDR Contact: 01/06/2025
Data Release Frequency: Varies

UIC: Underground Injection Wells Database

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

Date of Government Version: 07/16/2024
Date Data Arrived at EDR: 07/18/2024
Date Made Active in Reports: 10/08/2024
Number of Days to Update: 82
Source: Department of Environment, Great Lakes, and Energy
Telephone: 517-241-1515
Last EDR Contact: 10/09/2024
Next Scheduled EDR Contact: 01/27/2025
Data Release Frequency: Quarterly

WDS: Waste Data System

The Waste Data System (WDS) tracks activities at facilities regulated by the Solid Waste, Scrap

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Fire, Hazardous Waste, and Liquid Industrial Waste programs.

Date of Government Version: 12/08/2023
Source: Department of Environment, Great Lakes, and Energy Telephone: 517-284-6562
Date Data Arrived at EDR: 12/11/2023 Date Made Active in Reports: 03/05/2024 Number of Days to Update: 85
Last EDR Contact: 08/07/2024
Next Scheduled EDR Contact: 11/26/2024 Data Release Frequency: Varies

ENVIRO: Michigan Enviro Information

MiEnviro is permitting and compliance for air quality and water resources, including National Pollutant Discharge Elimination System (NPDES), storm water, groundwater discharge, aquatic nuisance control, Part 41 construction, medical waste registrations, and land and water interface permits.

Date of Government Version: 06/28/2024
Date Data Arrived at EDR: 06/28/2024
Date Made Active in Reports: 07/03/2024
Number of Days to Update: 5
Source: Department of Environment, Great Lakes, & Energy
Telephone: 800-662-9278
Last EDR Contact: 10/01/2024
Next Scheduled EDR Contact: 01/13/2025
Data Release Frequency: Quarterly

SSCUP: State Owned Sites Cleanup Program List

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.

Date of Government Version: 12/31/2023
Date Data Arrived at EDR: 07/16/2024
Date Made Active in Reports: 10/07/2024
Number of Days to Update: 83
Source: Department of Environment, Great Lakes & Energy
Telephone: 517-284-5153
Last EDR Contact: 10/15/2024
Next Scheduled EDR Contact: 01/27/2025
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A
Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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

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

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

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

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

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA PART 201: Recovered Government Archive State Hazardous Waste Facilities List

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

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Environment, Great Lakes, and Energy Telephone: N/A
Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

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

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Environment, Great Lakes, and Energy Telephone: N/A
Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

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

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: Department of Environment, Great Lakes, and Energy Telephone: N/A
Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

OTHER DATABASE(S)

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

CT MANIFEST: Hazardous Waste Manifest Data

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

Date of Government Version: 08/05/2024
Date Data Arrived at EDR: 08/06/2024 Date Made Active in Reports: 10/25/2024 Number of Days to Update: 80

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/05/2024
Next Scheduled EDR Contact: 02/17/2025
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information Hazardous waste manifest information.

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

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 09/25/2024
Next Scheduled EDR Contact: 01/13/2025 Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 12/31/2038
Date Data Arrived at EDR: 11/30/2023 Date Made Active in Reports: 12/01/2023 Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/24/2024
Next Scheduled EDR Contact: 02/03/2025 Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information Hazardous waste manifest information.

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

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/03/2024
Next Scheduled EDR Contact: 01/20/2025 Data Release Frequency: Annually

RI MANIFEST: Manifest information Hazardous waste manifest information

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

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/08/2024
Next Scheduled EDR Contact: 11/26/2024 Data Release Frequency: Annually

WI MANIFEST: Manifest Information Hazardous waste manifest information.

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

Date of Government Version: 05/31/2018

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Natural Resources Telephone: N/A
Last EDR Contact: 08/28/2024
Next Scheduled EDR Contact:
12/16/2024 Data Release
Frequency: Annually

urce:
Depart
ment of

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

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

AHA Hospitals:
Source: American Hospital Association, Inc. Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Centers, Group & Family Homes Source: Bureau of REgulatory Services
Telephone: 517-373-8300

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA Telephone: 877-336-2627
Date of Government Version: 2003, 2015

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

State Wetlands Data: Wetlands Inventory Source: Department of Natural Resources Telephone: 517-241-2254

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK→- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

SUGAR SHACK NOT
REPORTED
MANISTEE, MI 49660

TARGET PROPERTY COORDINATES

Latitude (North):	44.31552 - 44° 18' 55.87''
Longitude (West):	86.25087 - 86° 15' 3.13''
Universal Tranverse Mercator:	Zone 16
UTM X (Meters):	559743.4
UTM Y (Meters):	4906974.5
Elevation:	646 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	14457705 PARKDALE, MI
Version Date:	2019
East Map: Version	14455005 ONEKAMA, MI
Date:	2019

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

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

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

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

GEOCHECK→ - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

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

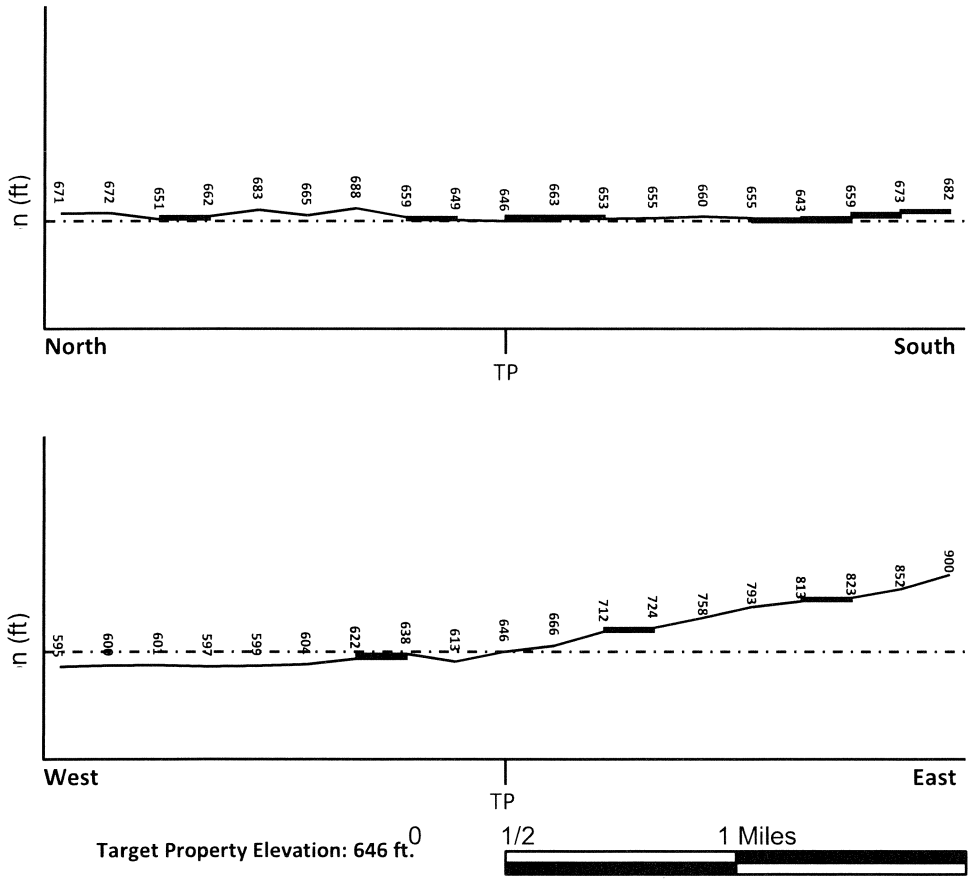
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

GEOCHECK→ - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
2601320010B	FEMA Q3 Flood data

Additional Panels in search area:	FEMA Source Type
2601320005B	FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
BAR LAKE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

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

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW→

Search Radius: 1.000 Mile.

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

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK→ - PHYSICAL SETTING SOURCE SUMMARY

© 1996 Site-specific hydrogeological data gathered by EDR, a D&B company. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK→ - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

Era:	Paleozoic
System:	Devonian
Series:	Upper Devonian
Code:	D3 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

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

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Component Name:	KALKASKA
Soil Surface Texture:	sand
Hydrologic Group:	Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.
Soil Drainage Class:	Somewhat excessive. Soils have high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: LOW

Depth to Bedrock Min:	> 60 inches
Depth to Bedrock Max:	> 60 inches

GEOCHECK→ - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	9 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 6.00 Min: 3.60
2	9 inches	17 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 6.00 Min: 3.60
3	17 inches	38 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 6.00 Min: 4.50
4	38 inches	60 inches	sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 20.00 Min: 6.00	Max: 6.50 Min: 4.50

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: sandy loam
loamy sand

Surficial Soil Types: sandy loam
loamy sand

Shallow Soil Types: sandy loam
loamy sand

Deeper Soil Types: sandy loam
loamy sand
very gravelly - sand
clay loam
stratified

GEOCHECK→ - PHYSICAL SETTING SOURCE SUMMARY

loam

LOCAL / REGIONAL WATER AGENCY RECORDS

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

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

No Wells Found

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

No PWS System Found

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	MI6000000555960	1/4 - 1/2 Mile West
2	MI6000000558104	1/4 - 1/2 Mile WNW
3	MI6000000555961	1/2 - 1 Mile SE
4	MI6000000559097	1/2 - 1 Mile WNW
A5	MI6000000555958	1/2 - 1 Mile East
6	MI6000000555926	1/2 - 1 Mile NE
A7	MI6000000559635	1/2 - 1 Mile East
B8	MI6000000555929	1/2 - 1 Mile NE
B9	MI6000000561284	1/2 - 1 Mile NE
10	MI6000000555930	1/2 - 1 Mile NE
11	MI6000000555959	1/2 - 1 Mile SE
12	MI6000000555956	1/2 - 1 Mile SE
13	MI6000000555962	1/2 - 1 Mile WSW
14	MI6000000560580	1/2 - 1 Mile NW
15	MI6000000560409	1/2 - 1 Mile SE

GEOCHECK→ - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
16	MI6000000556022	1/2 - 1 Mile SSW

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID			LOCATION WELL ID		
A1 A3 A2	H30 I33 I32 34 J36 J35		MIOG13000046880	MIOG13000047577	MIOG13000047576
4			MIOG13000047540	MIOG13000046954	MIOG13000047689
5			MIOG13000046665	MIOG13000046779	MIOG13000046778
6			MIOG13000049410	MIOG13000047737	MIOG13000047736
7			MIOG13000047734	MIOG13000047733	MIOG13000047735
B8 B9 10			MIOG13000047887	MIOG13000046593	MIOG13000046592
C1			MIOG13000046594	MIOG13000047820	MIOG13000046707
1			MIOG13000047637	MIOG13000047636	MIOG13000047716
C1			MIOG13000048378	MIOG13000048379	MIOG13000048063
2			MIOG13000048091	MIOG13000048064	MIOG13000047106
C1			MIOG13000047105	MIOG13000048128	MIOG13000048127
4			MIOG13000048380	MIOG13000047081	MIOG13000047080
C1					
3					
C1					
5					
16					
D1					
8					
D1					
7					
D1					
9					
20					
21					
E23 E22					
F2					
4					
G2					
5					
G2					
6					
F2					
7					
F2					
9					
F2					
8					
H3					
1					

0 - 1/8 Mile ESE

0 - 1/8 Mile ESE

0 - 1/8 Mile ESE

1/4 - 1/2 Mile SSE

1/4 - 1/2 Mile SSW

1/4 - 1/2 Mile WNW

1/4 - 1/2 Mile WNW

1/4 - 1/2 Mile WNW

1/4 - 1/2 Mile WNW

1/4 - 1/2 Mile WNW

1/2 - 1 Mile ENE

1/2 - 1 Mile NE

1/2 - 1 Mile NNW

1/2 - 1 Mile NNW

1/2 - 1 Mile WNW

1/2 - 1 Mile WNW

1/2 - 1 Mile WNW

1/2 - 1 Mile WSW

1/2 - 1 Mile WSW

1/2 - 1 Mile NNW

1/2 - 1 Mile NNW

1/2 - 1 Mile NNW

1/2 - 1 Mile SSW

1/2 - 1 Mile SSW

1/2 - 1 Mile West

1/2 - 1 Mile West

1/2 - 1 Mile West

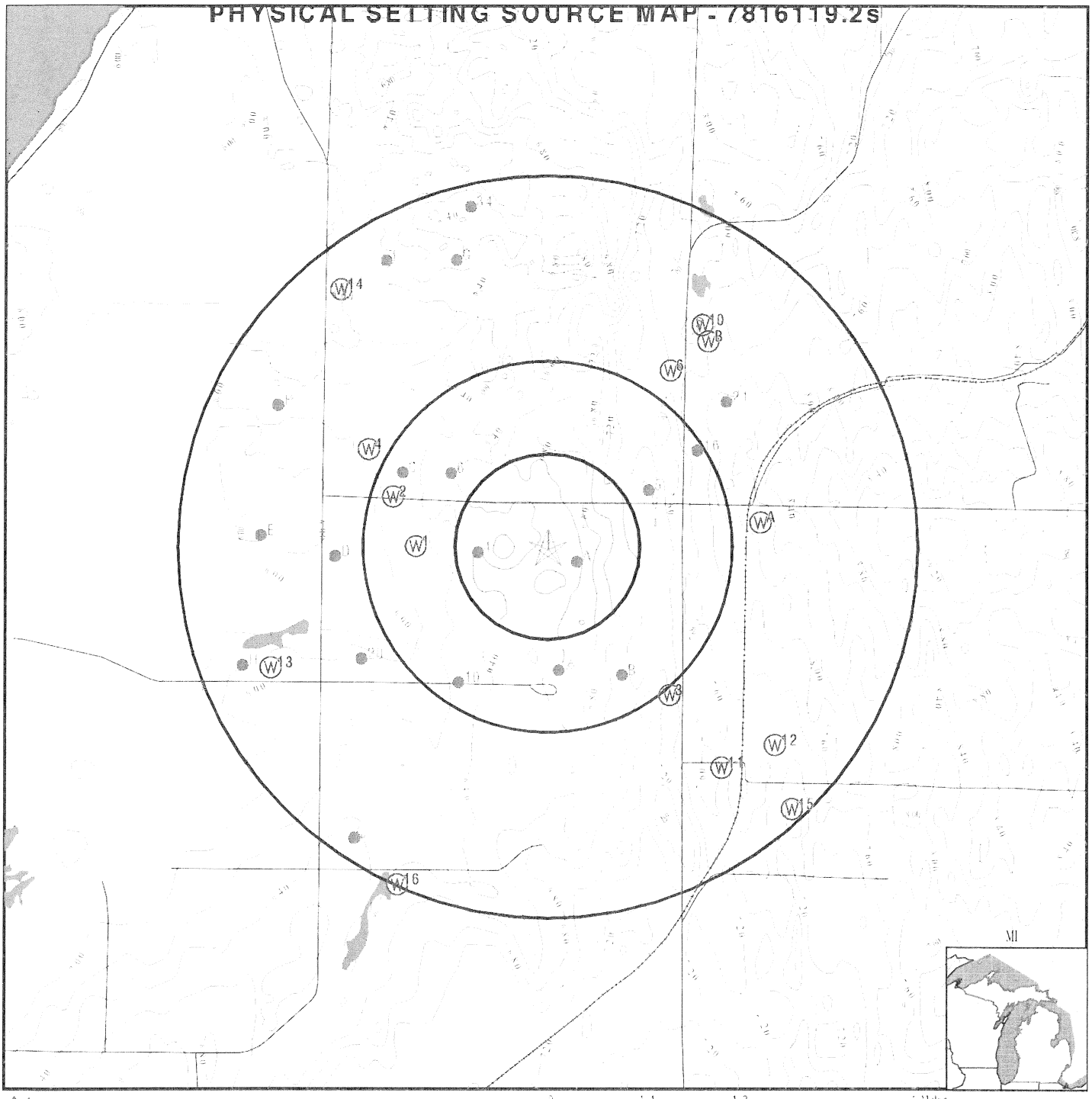
1/2 - 1 Mile WSW

1/2 - 1 Mile West

1/2 - 1 Mile West

1/2 - 1 Mile WNW

PHYSICAL SETTING SOURCE MAP - 7816119.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- (W) Water Wells
- (P) Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- (GI) Indeterminate Groundwater Flow at Location
- (GV) Groundwater Flow Varies at Location
- (HD) Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: Sugar Shack	CLIENT: Gosling Czubak
ADDRESS: Not Reported Manistee MI 49660	CONTACT: Fern Sexton
LAT/LONG: 44.31552 / 86.25087	INQUIRY #: 7816119.2s DATE: November 07, 2024 4:04 pm

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GEOCHECK→ - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
1 **West** **1/4 - 1/2 Mile** **Lower**	**MI WELLS**	**MI6000000555960**

WELLS:

Well ID:	51000001175	Permit #:	Not Reported
Owner:	SHARNOWSKI, JOHN	Well Depth (ft):	116
Well Type:	Unknown	Other Type Info:	Not Reported
Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	53-0405	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	20-DEC-82
Case Type:	Steel-black	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	0
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	0	Flowing:	Y
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	618.49	Specific Capacity:	0
Rock Top (ft):	0		

---

2 **WNW** **1/4 - 1/2 Mile** **Lower**	**MI WELLS**	**MI6000000558104**

WELLS:

Well ID:	51000003585	Permit #:	51-2032
Owner:	FRANCIS BARTOSIEWICZZ	Well Depth (ft):	135
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	53-1960	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	14-JUN-02
Case Type:	Steel-black	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	129
Screen Start Depth (ft):	129	Screen End Depth (ft):	135
Static Water Level (ft):	54	Flowing:	N
Test Drawdown Depth (ft):	54	Test Hours:	.5
Test Rate:	10	Test Method:	BAIL
Well Grouted:	Y	Pump Capacity (gpm):	20
Elevation (ft):	0	Specific Capacity:	.18518519
Rock Top (ft):	0		

---

3 **SE** **1/2 - 1 Mile** **Higher**	**MI WELLS**	**MI6000000555961**

WELLS:

Well ID:	51000001176	Permit #:	Not Reported
Owner:	ZILINSKI, JOHN	Well Depth (ft):	107
Well Type:	Household	Other Type Info:	Not Reported

Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	53-0405	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	30-MAR-72
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	97
Screen Start Depth (ft):	97	Screen End Depth (ft):	107
Static Water Level (ft):	4	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	766.11	Specific Capacity:	0
Rock Top (ft):	0		

4
WNW **MI WELLS** **MI6000000559097**
1/2 - 1 Mile
Lower

WELLS:

Well ID:	51000004773	Permit #:	56643
Owner:	SAVOY ENERGY	Well Depth (ft):	50
Well Type:	Industrial	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	Not Reported	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	14-APR-05
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4.5	Case Depth (ft):	30
Screen Start Depth (ft):	30	Screen End Depth (ft):	50
Static Water Level (ft):	10	Flowing:	Y
Test Drawdown Depth (ft):	40	Test Hours:	1
Test Rate:	35	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

A5
East **MI WELLS** **MI6000000555958**
1/2 - 1 Mile
Higher

WELLS:

Well ID:	51000001173	Permit #:	Not Reported
Owner:	SCHOEDEL, CHARLES	Well Depth (ft):	104
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	53-0405	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	19-NOV-79
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	2	Case Depth (ft):	100
Screen Start Depth (ft):	100	Screen End Depth (ft):	104
Static Water Level (ft):	81	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	797.28	Specific Capacity:	0

GEOCHECK→ - PHYSICAL SETTING SOURCE MAP FINDINGS

Rock Top (ft): 0

6
NE
1/2 - 1 Mile
Higher

MI WELLS **MI6000000555926**

WELLS:

Well ID:	51000001129	Permit #:	Not Reported
Owner:	MAUE, RUSSELL	Well Depth (ft):	128
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	51-0364	Drill Method:	Unknown
Other Method Info:	Not Reported	Construction Date:	10-MAR-67
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	2	Case Depth (ft):	125
Screen Start Depth (ft):	125	Screen End Depth (ft):	128
Static Water Level (ft):	105	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	757.91	Specific Capacity:	0
Rock Top (ft):	0		

A7
East
1/2 - 1 Mile
Higher

MI WELLS **MI6000000559635**

WELLS:

Well ID:	51000005388	Permit #:	51-4308
Owner:	CHARNES SCHOEDEL	Well Depth (ft):	175
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	53-1917	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	22-JUL-08
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	165
Screen Start Depth (ft):	165	Screen End Depth (ft):	175
Static Water Level (ft):	132	Flowing:	N
Test Drawdown Depth (ft):	140	Test Hours:	1
Test Rate:	30	Test Method:	AIR
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	0	Specific Capacity:	0
Rock Top (ft):	0		

B8
NE
1/2 - 1 Mile
Higher

MI WELLS **MI6000000555929**

WELLS:

Well ID:	51000001132	Permit #:	Not Reported
Owner:	HENRY, BILL	Well Depth (ft):	162

GEOCHECK→ - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	53-0405	Drill Method:	Hollow Rod
Other Method Info:	Not Reported	Construction Date:	17-JUN-83
Case Type:	Steel-black	Other Casing Info:	Not Reported
Case Diameter (in):	0	Case Depth (ft):	0
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	999.99	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	777.59	Specific Capacity:	0
Rock Top (ft):	0		

B9
NE
1/2 - 1 Mile
Higher

MI WELLS **MI6000000561284**

WELLS:

Well ID:	52000001652	Permit #:	Not Reported
Owner:	RANDY CARPENTER	Well Depth (ft):	168
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	52-0800	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	17-MAR-77
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	167
Screen Start Depth (ft):	0	Screen End Depth (ft):	0
Static Water Level (ft):	.5	Flowing:	N
Test Drawdown Depth (ft):	4	Test Hours:	24
Test Rate:	8	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	613	Specific Capacity:	0
Rock Top (ft):	167		

Well ID:	51000007135	Permit #:	51-8090
Owner:	EUGENIA JAUREGUI	Well Depth (ft):	100
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	53-1960	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	13-OCT-21
Case Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	94
Screen Start Depth (ft):	94	Screen End Depth (ft):	100
Static Water Level (ft):	78	Flowing:	N
Test Drawdown Depth (ft):	78	Test Hours:	1
Test Rate:	10	Test Method:	BAIL
Well Grouted:	Y	Pump Capacity (gpm):	10
Elevation (ft):	0	Specific Capacity:	.12820513
Rock Top (ft):	0		

GEOCHECK→ - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

	Database	EDR ID Number
10 **NE** **1/2 - 1 Mile** **Higher**	**MI WELLS**	**MI6000000555930**

WELLS:

Well ID:	51000001133	Permit #:	Not Reported
Owner:	ZIELINSKI, JOHN	Well Depth (ft):	138
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	53-0405	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	12-OCT-77
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	128
Screen Start Depth (ft):	128	Screen End Depth (ft):	138
Static Water Level (ft):	65	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	766.11	Specific Capacity:	0
Rock Top (ft):	0		

---

11 **SE** **1/2 - 1 Mile** **Higher**	**MI WELLS**	**MI6000000555959**

WELLS:

Well ID:	51000001174	Permit #:	Not Reported
Owner:	MARY SUE WILKINSON	Well Depth (ft):	179
Well Type:	Type II Public	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	2019151	Well #:	001
Driller ID:	28-1244	Drill Method:	ROTARY
Other Method Info:	Not Reported	Construction Date:	13-JUN-96
Case Type:	PVC Plastic	Other Casing Info:	Not Reported
Case Diameter (in):	5	Case Depth (ft):	169
Screen Start Depth (ft):	169	Screen End Depth (ft):	179
Static Water Level (ft):	80	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	Y	Pump Capacity (gpm):	0
Elevation (ft):	770.37	Specific Capacity:	0
Rock Top (ft):	0		

---

12 **SE** **1/2 - 1 Mile** **Higher**	**MI WELLS**	**MI6000000555956**

WELLS:

Well ID:	51000001171	Permit #:	Not Reported
Owner:	KOSIBOSKI, FRANK	Well Depth (ft):	83
Well Type:	Household	Other Type Info:	Not Reported

Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	53-0405	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	28-JUN-76
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	6	Case Depth (ft):	68
Screen Start Depth (ft):	68	Screen End Depth (ft):	83
Static Water Level (ft):	62	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	741.51	Specific Capacity:	0
Rock Top (ft):	0		

13
WSW
1/2 - 1 Mile
Lower

MI WELLS **MI6000000555962**

WELLS:

Well ID:	51000001177	Permit #:	Not Reported
Owner:	DIESING, ARTHUR	Well Depth (ft):	87.5
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	53-0405	Drill Method:	Hollow Rod
Other Method Info:	Not Reported	Construction Date:	22-SEP-66
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	83
Screen Start Depth (ft):	83.5	Screen End Depth (ft):	87.5
Static Water Level (ft):	0	Flowing:	Y
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	595.5	Specific Capacity:	0
Rock Top (ft):	0		

14
NW
1/2 - 1 Mile
Lower

MI WELLS **MI6000000560580**

WELLS:

Well ID:	52000000940	Permit #:	Not Reported
Owner:	DALTON LILLY	Well Depth (ft):	155
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	52-1675	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	26-JUN-79
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	151
Screen Start Depth (ft):	151	Screen End Depth (ft):	155
Static Water Level (ft):	135	Flowing:	N
Test Drawdown Depth (ft):	149	Test Hours:	2
Test Rate:	8	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	1190	Specific Capacity:	0

Rock Top (ft):	0

Well ID:	51000006404	Permit #:	51-6465
Owner:	DR. BRIAN ALLEN	Well Depth (ft):	112
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	47-1854	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	08-DEC-16
Case Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	108
Screen Start Depth (ft):	108	Screen End Depth (ft):	112
Static Water Level (ft):	7.5	Flowing:	Y
Test Drawdown Depth (ft):	10	Test Hours:	2
Test Rate:	20	Test Method:	TSTPUM
Well Grouted:	Y	Pump Capacity (gpm):	8
Elevation (ft):	0	Specific Capacity:	2
Rock Top (ft):	0		

15
SE
1/2 - 1 Mile
Higher

MI WELLS **MI6000000560409**

WELLS:

Well ID:	52000000769	Permit #:	Not Reported
Owner:	MCDONNELL DONALD J.	Well Depth (ft):	63
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	52-0800	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	23-JUL-76
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	60
Screen Start Depth (ft):	60	Screen End Depth (ft):	63
Static Water Level (ft):	29	Flowing:	N
Test Drawdown Depth (ft):	50	Test Hours:	0
Test Rate:	15	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	787.4	Specific Capacity:	0
Rock Top (ft):	0		

Well ID:	51000006216	Permit #:	516076
Owner:	Brian Zielinksi	Well Depth (ft):	95
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Active	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	53-1960	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	10-AUG-15
Case Type:	Steel-Galvanized	Other Casing Info:	Not Reported
Case Diameter (in):	4	Case Depth (ft):	89
Screen Start Depth (ft):	89	Screen End Depth (ft):	95
Static Water Level (ft):	42	Flowing:	N
Test Drawdown Depth (ft):	70	Test Hours:	2
Test Rate:	35	Test Method:	TSTPUM
Well Grouted:	Y	Pump Capacity (gpm):	22
Elevation (ft):	0	Specific Capacity:	.5
Rock Top (ft):	0		

GEOCHECK→ - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation	Database	EDR ID Number
16 **SSW** **1/2 - 1 Mile** **Higher**	**MI WELLS**	**MI6000000556022**

WELLS:

Well ID:	51000001239	Permit #:	Not Reported
Owner:	UPPER 60'S CORPORATION	Well Depth (ft):	122
Well Type:	Household	Other Type Info:	Not Reported
Well Status:	Not Reported	Other Status Info:	Not Reported
Water Supply Serial #:	0	Well #:	Not Reported
Driller ID:	53-0405	Drill Method:	Cable Tool
Other Method Info:	Not Reported	Construction Date:	11-SEP-75
Case Type:	Unknown	Other Casing Info:	Not Reported
Case Diameter (in):	2	Case Depth (ft):	118
Screen Start Depth (ft):	118	Screen End Depth (ft):	122
Static Water Level (ft):	37	Flowing:	N
Test Drawdown Depth (ft):	0	Test Hours:	0
Test Rate:	0	Test Method:	UNK
Well Grouted:	N	Pump Capacity (gpm):	0
Elevation (ft):	692.29	Specific Capacity:	0
Rock Top (ft):	0		

GEOCHECK→ - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance — Database — EDR ID Number

A1
ESE — **OIL_GAS** — **MIOG13000046880**

0 - 1/8 Mile

OIL_GAS:

API #:	21101308810000	Well #:	4-16
Permit #:	30881	Completion Date:	0
Plug Date:	Not Reported	Well Type:	Oil Well
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	V	Total Depth Drilled (ft):	4220
True Vertical Depth (ft):	0	Kickoff Point of TVD:	0
Deepest Formation:	NIAGARAN BROWN	Formation Tops:	K
Field Name:	Manistee 16 - 22N - 16W	Production Formation:	NIAGARAN(O)
Production Unit #:	Not Reported	Lease Name:	Zielinski Et Al
Operator #:	11	Company Name:	Swepi Lp
Surface Owner:	Not Reported	State Owned Land:	0
Federally Owned Land:	0	H2S Concentration:	0
Permit Date:	23-MAR-76		

A3
ESE — **OIL_GAS** — **MIOG13000047577**
0 - 1/8 Mile

OIL_GAS:

API #:	21101347080100	Well #:	6-16A
Permit #:	34756	Completion Date:	0
Plug Date:	Not Reported	Well Type:	Dry Hole
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	D	Total Depth Drilled (ft):	4249
True Vertical Depth (ft):	4245	Kickoff Point of TVD:	0
Deepest Formation:	NIAGARAN BROWN	Formation Tops:	K
Field Name:	Not Reported	Production Formation:	Not Reported
Production Unit #:	Not Reported	Lease Name:	Schoedel Et Al
Operator #:	11	Company Name:	Swepi Lp
Surface Owner:	Not Reported	State Owned Land:	0
Federally Owned Land:	0	H2S Concentration:	0
Permit Date:	13-JUL-81		

A2
ESE — **OIL_GAS** — **MIOG13000047576**
0 - 1/8 Mile

OIL_GAS:

API #:	21101347080000	Well #:	6-16
Permit #:	34708	Completion Date:	0
Plug Date:	Not Reported	Well Type:	Dry Hole
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	D	Total Depth Drilled (ft):	4425
True Vertical Depth (ft):	4366	Kickoff Point of TVD:	0
Deepest Formation:	NIAGARAN BROWN	Formation Tops:	K
Field Name:	Not Reported	Production Formation:	Not Reported
Production Unit #:	Not Reported	Lease Name:	Schoedel Et Al
Operator #:	11	Company Name:	Swepi Lp

Surface Owner: Federally Owned Land: Permit Date:	Not Reported 0 17-JUN-81	State Owned Land: H2S Concentration:	0 0

4
West
1/8 - 1/4 Mile

OIL_GAS **MIOG13000047540**

OIL_GAS:

API #:	21101343010000	Well #:	1-16
Permit #:	34301	Completion Date:	0
Plug Date:	Not Reported	Well Type:	Dry Hole
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	V	Total Depth Drilled (ft):	4302
True Vertical Depth (ft):	0	Kickoff Point of TVD:	0
Deepest Formation:	NIAGARAN GRAY	Formation Tops:	K
Field Name:	Not Reported	Production Formation:	Not Reported
Production Unit #:	Not Reported	Lease Name:	Sharnowski
Operator #:	171		

Company Name:	Ososki Edward D Dba Federal Oil Company		
Surface Owner: Federally Owned Land: Permit Date:	Not Reported 0 30-DEC-80	State Owned Land: H2S Concentration:	0 0

5
ENE
1/4 - 1/2 Mile

OIL_GAS **MIOG13000046954**

OIL_GAS:

API #:	21101311520000	Well #:	1-9
Permit #:	31152	Completion Date:	0
Plug Date:	Not Reported	Well Type:	Dry Hole
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	V	Total Depth Drilled (ft):	4260
True Vertical Depth (ft):	0	Kickoff Point of TVD:	0
Deepest Formation:	NIAGARAN BROWN	Formation Tops:	K
Field Name:	Not Reported	Production Formation:	Not Reported
Production Unit #:	Not Reported	Lease Name:	Wendt Et Al
Operator #:	11	Company Name:	Swepi Lp
Surface Owner:	Not Reported	State Owned Land:	0
Federally Owned Land:	0	H2S Concentration:	0
Permit Date:	10-AUG-76		

6
NW
1/4 - 1/2 Mile

OIL_GAS **MIOG13000047689**

OIL_GAS:

API #:	Well Status:	21101356910000	Plugging Approved D
Permit #: Plug Date:	Slant:	35691 18-JUL-85	

Well #: 2-9

Completion Date: 0

Well Type: Oil Well

Bore Type: Oil and Gas Test

Total Depth Drilled (ft): 4504

GEOCHECK→ - PHYSICAL SETTING SOURCE MAP FINDINGS

True Vertical Depth (ft):	4430	Kickoff Point of TVD:	0
Deepest Formation:	NIAGARAN GRAY	Formation Tops:	K
Field Name:	Manistee 17 B - 22N - 16W	Production Formation:	NIAGARAN(O)
Production Unit #:	1882.00000000	Lease Name:	Bartosiewicz
Operator #:	11	Company Name:	Swepi Lp
Surface Owner:	FEE	State Owned Land:	0
Federally Owned Land:	0	H2S Concentration:	0
Permit Date:	21-APR-82		

7
South
1/4 - 1/2 Mile

OIL_GAS **MIOG13000046665**

OIL_GAS:

API #:	21101301120000	Well #:	2-16
Permit #:	30112	Completion Date:	0
Plug Date:	Not Reported	Well Type:	Oil Well
Well Status:	Producing	Bore Type:	Oil and Gas Test
Slant:	V	Total Depth Drilled (ft):	4219
True Vertical Depth (ft):	0	Kickoff Point of TVD:	0
Deepest Formation:	NIAGARAN BROWN	Formation Tops:	K
Field Name:	Manistee 16 - 22N - 16W	Production Formation:	NIAGARAN(O)
Production Unit #:	672.00000000	Lease Name:	Modjeski, A E
Operator #:	7772	Company Name:	Lambda Energy Resources Llc
Surface Owner:	Not Reported	State Owned Land:	0
Federally Owned Land:	0	H2S Concentration:	0
Permit Date:	30-DEC-74		

B8
SSE
1/4 - 1/2 Mile

OIL_GAS **MIOG13000046779**

OIL_GAS:

API #:	21101304980100	Well #:	3-16 HD1
Permit #:	30498	Completion Date:	0
Plug Date:	02-OCT-01	Well Type:	Oil Well
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	H	Total Depth Drilled (ft):	4686
True Vertical Depth (ft):	4189	Kickoff Point of TVD:	0
Deepest Formation:	NIAGARAN BROWN	Formation Tops:	K
Field Name:	Manistee 16 - 22N - 16W	Production Formation:	NIAGARAN(O)
Production Unit #:	673.00000000	Lease Name:	Zielinski
Operator #:	5512	Company Name:	Merit Energy Co
Surface Owner:	Not Reported	State Owned Land:	0
Federally Owned Land:	0	H2S Concentration:	0
Permit Date:	01-FEB-95		

B9
SSE
1/4 - 1/2 Mile

OIL_GAS **MIOG13000046778**

OIL_GAS:

API #:	21101304980000	Well #:	3-16

Permit #:	30498	Completion Date:	0
Plug Date:	02-OCT-01	Well Type:	Oil Well
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	V	Total Depth Drilled (ft):	4265
True Vertical Depth (ft):	0	Kickoff Point of TVD:	0
Deepest Formation:	NIAGARAN BROWN	Formation Tops:	K
Field Name:	Manistee 16 - 22N - 16W	Production Formation:	NIAGARAN(O)
Production Unit #:	673.00000000	Lease Name:	Zielinski Et Al
Operator #:	5512	Company Name:	Merit Energy Co
Surface Owner:	Not Reported	State Owned Land:	0
Federally Owned Land:	0	H2S Concentration:	0
Permit Date:	22-JUL-75		

10
SSW
1/4 - 1/2 Mile

OIL_GAS **MIOG13000049410**

OIL_GAS:

API #:	21101612537000	Well #:	GT-118
Permit #:	GT2134	Completion Date:	0
Plug Date:	Not Reported	Well Type:	Part 625 Test Well
Well Status:	Plugging Approved	Bore Type:	Mineral (Non-Confidential)
Slant:	V	Total Depth Drilled (ft):	0
True Vertical Depth (ft):	0	Kickoff Point of TVD:	0
Deepest Formation:	Not Reported	Formation Tops:	Not Reported
Field Name:	Not Reported	Production Formation:	Not Reported
Production Unit #:	Not Reported	Lease Name:	Edw. J. Zielinski
Operator #:	3441	Company Name:	Superior Oil Co The
Surface Owner:	Not Reported	State Owned Land:	0
Federally Owned Land:	0	H2S Concentration:	0
Permit Date:	08-SEP-48		

C11
WNW
1/4 - 1/2 Mile

OIL_GAS **MIOG13000047737**

OIL_GAS:

API #:	21101361800400	Well #:	3-9B HD-1
Permit #:	56643	Completion Date:	0
Plug Date:	Not Reported	Well Type:	Oil Well
Well Status:	Shut_In	Bore Type:	Oil and Gas Test
Slant:	H	Total Depth Drilled (ft):	5402
True Vertical Depth (ft):	3952	Kickoff Point of TVD:	0
Deepest Formation:	NIAGARAN	Formation Tops:	K
Field Name:	Manistee 17 B - 22N - 16W	Production Formation:	NIAGARAN(O)
Production Unit #:	20965.00000000	Lease Name:	Zielinski
Operator #:	6473	Company Name:	Vonk Oil And Gas Llc
Surface Owner:	ZIELINSKI	State Owned Land:	0
Federally Owned Land:	0	H2S Concentration:	0
Permit Date:	12-MAY-06		

GEOCHECK→ - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance — Database — EDR ID Number

C12
WNW
1/4 - 1/2 Mile

OIL_GAS **MIOG13000047736**

OIL_GAS:

API #:	21101361800300	Well #:	3-9B
Permit #:	56643	Completion Date:	0
Plug Date:	Not Reported	Well Type:	Oil Well
Well Status:	Shut_In	Bore Type:	Oil and Gas Test
Slant:	D	Total Depth Drilled (ft):	4361
True Vertical Depth (ft):	4273	Kickoff Point of TVD:	0
Deepest Formation:	NIAGARAN	Formation Tops:	K
Field Name:	Manistee 17 B - 22N - 16W	Production Formation:	NIAGARAN(O)
Production Unit #:	20965.00000000	Lease Name:	Zielinski Et Al
Operator #:	6473	Company Name:	Vonk Oil And Gas Llc
Surface Owner:	ZIELINSKI	State Owned Land:	0
Federally Owned Land:	0	H2S Concentration:	0
Permit Date:	14-JAN-05		

C14
WNW
1/4 - 1/2 Mile

OIL_GAS **MIOG13000047734**

OIL_GAS:

API #:	21101361800100	Well #:	3-9A
Permit #:	36255	Completion Date:	0
Plug Date:	25-NOV-82	Well Type:	Dry Hole
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	D	Total Depth Drilled (ft):	4383
True Vertical Depth (ft):	4264	Kickoff Point of TVD:	0
Deepest Formation:	NIAGARAN	Formation Tops:	K
Field Name:	Not Reported	Production Formation:	Not Reported
Production Unit #:	Not Reported	Lease Name:	Zielinski Et Al
Operator #:	11	Company Name:	Swepi Lp
Surface Owner:	ZIELINSKI	State Owned Land:	0
Federally Owned Land:	0	H2S Concentration:	0
Permit Date:	12-NOV-82		

C13
WNW
1/4 - 1/2 Mile

OIL_GAS **MIOG13000047733**

OIL_GAS:

API #:	21101361800000	Well #:	3-9
Permit #:	36180	Completion Date:	0
Plug Date:	12-NOV-82	Well Type:	Dry Hole
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	D	Total Depth Drilled (ft):	4443
True Vertical Depth (ft):	4316	Kickoff Point of TVD:	0
Deepest Formation:	NIAGARAN	Formation Tops:	K
Field Name:	Not Reported	Production Formation:	Not Reported
Production Unit #:	Not Reported	Lease Name:	Zielinski Et Al
Operator #:	11	Company Name:	Swepi Lp

GEOCHECK→ - PHYSICAL SETTING SOURCE MAP FINDINGS

Surface Owner: Federally Owned Land: Permit Date:	ZIELINSKI 0 15-OCT-82	State Owned Land: H2S Concentration:	0 0

C15
WNW
1/4 - 1/2 Mile

OIL_GAS **MIOG13000047735**

OIL_GAS:

API #:	21101361800200	Well #:	3-9B
Permit #:	53013	Completion Date:	0
Plug Date:	Not Reported	Well Type:	Location
Well Status:	Terminated Permit	Bore Type:	Oil and Gas Test
Slant:	D	Total Depth Drilled (ft):	0
True Vertical Depth (ft):	0	Kickoff Point of TVD:	0
Deepest Formation:	NIAGARAN	Formation Tops:	K
Field Name:	Not Reported	Production Formation:	Not Reported
Production Unit #:	Not Reported	Lease Name:	Zielinski Et Al
Operator #:	5320	Company Name:	Savoy Energy Lp
Surface Owner:	ZIELINSKI	State Owned Land:	0
Federally Owned Land:	0	H2S Concentration:	0
Permit Date:	01-JUL-98		

16
ENE
1/4 - 1/2 Mile

OIL_GAS **MIOG13000047887**

OIL_GAS:

API #:	21101376460000	Well #:	4-10
Permit #:	37646	Completion Date:	0
Plug Date:	28-APR-84	Well Type:	Dry Hole
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	V	Total Depth Drilled (ft):	4290
True Vertical Depth (ft):	0	Kickoff Point of TVD:	0
Deepest Formation:	NIAGARAN BROWN	Formation Tops:	K
Field Name:	Not Reported	Production Formation:	Not Reported
Production Unit #:	Not Reported	Lease Name:	Schoedel Et Al
Operator #:	11	Company Name:	Swepi Lp
Surface Owner:	FEE	State Owned Land:	0
Federally Owned Land:	0	H2S Concentration:	0
Permit Date:	03-APR-84		

D18
West
1/2 - 1 Mile

OIL_GAS **MIOG13000046593**

OIL_GAS:

API #:	21101297710100	Well #:	1-16A
Permit #:	36683	Completion Date:	0
Plug Date:	24-JUL-84	Well Type:	Oil Well
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	D	Total Depth Drilled (ft):	4200
True Vertical Depth (ft):	4050	Kickoff Point of TVD:	0

Deepest Formation:	DETROIT RIVER	Formation Tops:	K NIAGARAN(O)
Field Name:	Manistee 17 B - 22N - 16W	Production Formation:	Sharnowski
Production Unit #:	2105.00000000	Lease Name:	
Operator #:	4493	Company Name:	Finders Co And Sullivan And Co
Surface Owner:	VASQUEZ, RAUL & LYNN	State Owned Land:	0
Federally Owned Land:	0	H2S Concentration:	125
Permit Date:	11-MAY-83		

D17
West
1/2 - 1 Mile

OIL_GAS **MIOG13000046592**

OIL_GAS:

API #:	21101297710000	Well #:	1-16
Permit #:	29771	Completion Date:	0
Plug Date:	Not Reported	Well Type:	Dry Hole
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	V	Total Depth Drilled (ft):	4262
True Vertical Depth (ft):	0	Kickoff Point of TVD:	0
Deepest Formation:	DETROIT RIVER	Formation Tops:	K
Field Name:	Not Reported	Production Formation:	Not Reported
Production Unit #:	Not Reported	Lease Name:	Sharnowski & Diesing
Operator #:	11	Company Name:	Swepi Lp
Surface Owner:	VASQUEZ, RAUL & LYNN	State Owned Land:	0
Federally Owned Land:	0	H2S Concentration:	0
Permit Date:	03-JUN-74		

D19
West
1/2 - 1 Mile

OIL_GAS **MIOG13000046594**

OIL_GAS:

API #:	21101297710200	Well #:	1-16A SWD
Permit #:	57225	Completion Date:	0
Plug Date:	Not Reported	Well Type:	Brine Disposal Well
Well Status:	Active	Bore Type:	Oil and Gas Test
Slant:	V	Total Depth Drilled (ft):	2470
True Vertical Depth (ft):	0	Kickoff Point of TVD:	0
Deepest Formation:	DETROIT RIVER	Formation Tops:	K
Field Name:	Not Reported	Production Formation:	Not Reported
Production Unit #:	Not Reported	Lease Name:	Sharnowski
Operator #:	6473	Company Name:	Vonk Oil And Gas Llc
Surface Owner:	VASQUEZ, RAUL & LYNN	State Owned Land:	0
Federally Owned Land:	0	H2S Concentration:	0
Permit Date:	21-SEP-05		

20
WSW
1/2 - 1 Mile

OIL_GAS **MIOG13000047820**

OIL_GAS:

API #:	21101371490000	Well #:	2-16
Permit #:	37149	Completion Date:	0

Plug Date:	19-SEP-97	Well Type:	Oil Well
Well Status:	Plugging Approved V	Bore Type:	Oil and Gas Test
Slant:		Total Depth Drilled (ft):	4200
True Vertical Depth (ft):	0	Kickoff Point of TVD:	0
Deepest Formation:	NIAGARAN BROWN	Formation Tops:	K
Field Name:	Manistee 16 A - 22N - 16W	Production Formation:	NIAGARAN(O)
Production Unit #:	2197.00000000	Lease Name:	Hamock
Operator #:	5229	Company Name:	O I L Niagaran Llc
Surface Owner:	FEE	State Owned Land:	0
Federally Owned Land:	0	H2S Concentration:	1
Permit Date:	14-OCT-83		

21
NE
1/2 - 1 Mile

OIL_GAS **MIOG13000046707**

OIL_GAS:

API #:	21101302180000	Well #:	2-10
Permit #:	30218	Completion Date:	0
Plug Date:	Not Reported	Well Type:	Dry Hole
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	V	Total Depth Drilled (ft):	4348
True Vertical Depth (ft):	0	Kickoff Point of TVD:	0
Deepest Formation:	NIAGARAN BROWN	Formation Tops:	K
Field Name:	Not Reported	Production Formation:	Not Reported
Production Unit #:	Not Reported	Lease Name:	Diesing & Schoedel
Operator #:	11	Company Name:	Swepi Lp
Surface Owner:	Not Reported	State Owned Land:	0
Federally Owned Land:	0	H2S Concentration:	0
Permit Date:	14-MAR-75		

E23
West
1/2 - 1 Mile

OIL_GAS **MIOG13000047637**

OIL_GAS:

API #:	21101352110000	Well #:	4-17
Permit #:	35211	Completion Date:	0
Plug Date:	12-AUG-86	Well Type:	Oil Well
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	D	Total Depth Drilled (ft):	4300
True Vertical Depth (ft):	4332	Kickoff Point of TVD:	0
Deepest Formation:	NIAGARAN GRAY	Formation Tops:	K
Field Name:	Manistee 17 B - 22N - 16W	Production Formation:	NIAGARAN(O)
Production Unit #:	1755.00000000	Lease Name:	Commerce Investment
Operator #:	11	Company Name:	Swepi Lp
Surface Owner:	IN ST. HELEN UNIT	State Owned Land:	0
Federally Owned Land:	0	H2S Concentration:	3
Permit Date:	17-NOV-81		

GEOCHECK→ - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance — Database — EDR ID Number

E22
West — **OIL_GAS** — **MIOG13000047636**

1/2 - 1 Mile

OIL_GAS:

API #:	21101352110000	Well #:	4-17
Permit #:	35211	Completion Date:	0
Plug Date:	12-AUG-86	Well Type:	Oil Well
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	D	Total Depth Drilled (ft):	4300
True Vertical Depth (ft):	4332	Kickoff Point of TVD:	0
Deepest Formation:	NIAGARAN GRAY	Formation Tops:	K
Field Name:	Manistee 17 B - 22N - 16W	Production Formation:	NIAGARAN(O)
Production Unit #:	1755.00000000	Lease Name:	Commerce Investment
Operator #:	11	Company Name:	Swepi Lp
Surface Owner:	IN ST. HELEN UNIT	State Owned Land:	0
Federally Owned Land:	0	H2S Concentration:	0
Permit Date:	17-NOV-81		

F24
WNW
1/2 - 1 Mile — **OIL_GAS** — **MIOG13000047716**

OIL_GAS:

API #:	21101360740000	Well #:	4-8
Permit #:	36074	Completion Date:	0
Plug Date:	Not Reported	Well Type:	Location
Well Status:	Terminated Permit	Bore Type:	Oil and Gas Test
Slant:	D	Total Depth Drilled (ft):	0
True Vertical Depth (ft):	0	Kickoff Point of TVD:	0
Deepest Formation:	Not Reported	Formation Tops:	K
Field Name:	Not Reported	Production Formation:	Not Reported
Production Unit #:	Not Reported	Lease Name:	Commerce Investment
Operator #:	11	Company Name:	Swepi Lp
Surface Owner:	FEE	State Owned Land:	0
Federally Owned Land:	0	H2S Concentration:	0
Permit Date:	07-SEP-82		

G25
NNW
1/2 - 1 Mile — **OIL_GAS** — **MIOG13000048378**

OIL_GAS:

API #:	21101488300000	Well #:	1-9
Permit #:	48830	Completion Date:	0
Plug Date:	28-SEP-94	Well Type:	Dry Hole
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	V	Total Depth Drilled (ft):	4300
True Vertical Depth (ft):	0	Kickoff Point of TVD:	0
Deepest Formation:	GUELPH	Formation Tops:	G
Field Name:	Not Reported	Production Formation:	Not Reported
Production Unit #:	Not Reported	Lease Name:	Flm

Operator #:	2988	Company Name:	Fairway Petroleum Inc

GEOCHECK→ - PHYSICAL SETTING SOURCE MAP FINDINGS

GEOCHECK→ - PHYSICAL SETTING SOURCE MAP FINDINGS

Surface Owner: FOREST LANDS MANAGEMENT, LLC
State Owned Land: 0 Federally Owned Land: 0
H2S Concentration: 0 Permit Date: 07-SEP-94

G26
NNW
1/2 - 1 Mile

OIL_GAS **MIOG13000048379**

OIL_GAS:

API #:	21101488300100	Well #:	1-9A
Permit #:	48888	Completion Date:	0
Plug Date:	04-OCT-94	Well Type:	Dry Hole
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	D	Total Depth Drilled (ft):	4205
True Vertical Depth (ft):	4111	Kickoff Point of TVD:	0
Deepest Formation:	GUELPH	Formation Tops:	G
Field Name:	Not Reported	Production Formation:	Not Reported
Production Unit #:	Not Reported	Lease Name:	Flm
Operator #:	2988	Company Name:	Fairway Petroleum Inc

Surface Owner: FOREST LANDS MANAGEMENT, LLC
State Owned Land: 0 Federally Owned Land: 0
H2S Concentration: 0 Permit Date: 30-SEP-94

F27
WNW
1/2 - 1 Mile

OIL_GAS **MIOG13000048063**

OIL_GAS:

API #:	21101387760000	Well #:	1-8
Permit #:	38776	Completion Date:	0
Plug Date:	27-MAY-85	Well Type:	Dry Hole
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	D	Total Depth Drilled (ft):	4462
True Vertical Depth (ft):	4181	Kickoff Point of TVD:	0
Deepest Formation:	FILER SANDSTONE	Formation Tops:	K
Field Name:	Not Reported	Production Formation:	Not Reported
Production Unit #:	Not Reported	Lease Name:	Eac & Commerce
Operator #:	1248		

Company Name: Energy Acquisition Corp And Weitzman Irvin
Surface Owner: Federally Owned Land: COMMERCE INVESTMENT CO State Owned Land: 0
H2S Concentration: 0
Permit Date: 05-MAR-85

F29
WNW
1/2 - 1 Mile

OIL_GAS **MIOG13000048091**

OIL_GAS:

API #: Permit #: Plug Date: Well Status: Slant:

21101389450000	Well #: Completion		2-8
38945	Date: Well		0
Not Reported	Type:		Location
Terminated Permit D	Bore Type:		Oil and Gas Test 0
	Total Depth Drilled (ft):		

True Vertical Depth (ft):	0	Kickoff Point of TVD:	0
Deepest Formation:	Not Reported	Formation Tops:	K
Field Name:	Not Reported	Production Formation:	Not Reported
Production Unit #:	Not Reported	Lease Name:	Eac & Commerce
Operator #:	1248		

Company Name:	Energy Acquisition Corp And Weitzman Irvin		
Surface Owner: Federally Owned Land:	COMMERCE INVESTMENT CO 0	State Owned Land: H2S Concentration:	0 0
Permit Date:	09-MAY-85		

F28
WNW
1/2 - 1 Mile

OIL_GAS **MIOG13000048064**

OIL_GAS:

API #:	21101387760100	Well #:	2-8
Permit #:	40112	Completion Date:	0
Plug Date:	30-APR-88	Well Type:	Location
Well Status:	Terminated Permit	Bore Type:	Oil and Gas Test
Slant:	D	Total Depth Drilled (ft):	0
True Vertical Depth (ft):	0	Kickoff Point of TVD:	0
Deepest Formation:	FILER SANDSTONE	Formation Tops:	K
Field Name:	Not Reported	Production Formation:	Not Reported
Production Unit #:	Not Reported	Lease Name:	Eac & Commerce
Operator #:	1248		

Company Name:	Energy Acquisition Corp And Weitzman Irvin		
Surface Owner: Federally Owned Land:	COMMERCE INVESTMENT CO 0	State Owned Land: H2S Concentration:	0 0
Permit Date:	16-SEP-86		

H31
WSW
1/2 - 1 Mile

OIL_GAS **MIOG13000047106**

OIL_GAS:

API #:	21101319070100	Well #:	1-17
Permit #:	41503	Completion Date:	0
Plug Date:	23-SEP-88	Well Type:	Dry Hole
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	D	Total Depth Drilled (ft):	4315
True Vertical Depth (ft):	4200	Kickoff Point of TVD:	0
Deepest Formation:	ANTRIM	Formation Tops:	K
Field Name:	Not Reported	Production Formation:	Not Reported
Production Unit #:	Not Reported	Lease Name:	Patulski
Operator #:	4803		

Company Name:	Northern Processors Inc And Oryx Energy Co		
Surface Owner: Federally Owned Land:	Not Reported 0	State Owned Land: H2S Concentration:	0 0
Permit Date:	02-SEP-88		

GEOCHECK→ - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance — Database — EDR ID Number

H30
WSW
1/2 - 1 Mile — **OIL_GAS** — **MIOG13000047105**

OIL_GAS:

API #:	21101319070000	Well #:	3-17
Permit #:	31907	Completion Date:	0
Plug Date:	Not Reported	Well Type:	Dry Hole
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	D	Total Depth Drilled (ft):	4244
True Vertical Depth (ft):	4148	Kickoff Point of TVD:	0
Deepest Formation:	ANTRIM	Formation Tops:	K
Field Name:	Not Reported	Production Formation:	Not Reported
Production Unit #:	Not Reported	Lease Name:	Kott Et Al
Operator #:	11	Company Name:	Swepi Lp
Surface Owner:	Not Reported	State Owned Land:	0
Federally Owned Land:	0	H2S Concentration:	0
Permit Date:	20-SEP-77		

I33
NNW
1/2 - 1 Mile — **OIL_GAS** — **MIOG13000048128**

OIL_GAS:

API #:	21101392240100	Well #:	1-9A
Permit #:	39451	Completion Date:	0
Plug Date:	21-OCT-85	Well Type:	Dry Hole
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	D	Total Depth Drilled (ft):	4240
True Vertical Depth (ft):	4185	Kickoff Point of TVD:	0
Deepest Formation:	NIAGARAN GRAY	Formation Tops:	K
Field Name:	Not Reported	Production Formation:	Not Reported
Production Unit #:	Not Reported	Lease Name:	Wiley Et Al
Operator #:	53	Company Name:	W W Energy Corp
Surface Owner:	FEE	State Owned Land:	0
Federally Owned Land:	0	H2S Concentration:	0
Permit Date:	14-OCT-85		

I32
NNW
1/2 - 1 Mile — **OIL_GAS** — **MIOG13000048127**

OIL_GAS:

API #:	21101392240000	Well #:	1-9
Permit #:	39224	Completion Date:	0
Plug Date:	10-OCT-85	Well Type:	Dry Hole
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	V	Total Depth Drilled (ft):	4182
True Vertical Depth (ft):	0	Kickoff Point of TVD:	0
Deepest Formation:	NIAGARAN GRAY	Formation Tops:	K
Field Name:	Not Reported	Production Formation:	Not Reported
Production Unit #:	Not Reported	Lease Name:	Wiley Et Al
Operator #:	53	Company Name:	W W Energy Corp

GEOCHECK→ - PHYSICAL SETTING SOURCE MAP FINDINGS

Surface Owner: Federally Owned Land:	FEE 0	State Owned Land:	0
Permit Date:	08-AUG-85	H2S Concentration:	0

34
NNW
1/2 - 1 Mile

OIL_GAS **MIOG13000048380**

OIL_GAS:

API #:	21101488310000	Well #:	3-9
Permit #:	48831	Completion Date:	0
Plug Date:	18-FEB-98	Well Type:	Dry Hole
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	D	Total Depth Drilled (ft):	4373
True Vertical Depth (ft):	4261	Kickoff Point of TVD:	0
Deepest Formation:	NIAGARAN GRAY	Formation Tops:	G
Field Name:	Not Reported	Production Formation:	Not Reported
Production Unit #:	Not Reported	Lease Name:	Masty
Operator #:	2988	Company Name:	Fairway Petroleum Inc
Surface Owner:	MASTY, BENNY J. & FLORENCE M. 0		
State Owned Land:		Federally Owned Land:	0
H2S Concentration:	0	Permit Date:	07-SEP-94

J36
SSW
1/2 - 1 Mile

OIL_GAS **MIOG13000047081**

OIL_GAS:

API #:	21101318520100	Well #:	5-16A
Permit #:	31902	Completion Date:	0
Plug Date:	Not Reported	Well Type:	Dry Hole
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	D	Total Depth Drilled (ft):	4326
True Vertical Depth (ft):	4320	Kickoff Point of TVD:	0
Deepest Formation:	SALINA G	Formation Tops:	K
Field Name:	Not Reported	Production Formation:	Not Reported
Production Unit #:	Not Reported	Lease Name:	Commerce Investment Et Al
Operator #:	11	Company Name:	Swepi Lp
Surface Owner:	Not Reported	State Owned Land:	0
Federally Owned Land:	0	H2S Concentration:	0
Permit Date:	19-SEP-77		

J35
SSW
1/2 - 1 Mile

OIL_GAS **MIOG13000047080**

OIL_GAS:

API #:	21101318520000	Well #:	5-16
Permit #:	31852	Completion Date:	0
Plug Date:	Not Reported	Well Type:	Dry Hole
Well Status:	Plugging Approved	Bore Type:	Oil and Gas Test
Slant:	V	Total Depth Drilled (ft):	4365
True Vertical Depth (ft):	0	Kickoff Point of TVD:	0

GEOCHECK→ - PHYSICAL SETTING SOURCE MAP FINDINGS

Deepest Formation:	SALINA G	Formation Tops:	K
Field Name:	Not Reported	Production Formation:	Not Reported
Production Unit #:	Not Reported	Lease Name:	Commerce Investment Et Al
Operator #:	11	Company Name:	Swepi Lp
Surface Owner:	Not Reported	State Owned Land:	0
Federally Owned Land:	0	H2S Concentration:	0
Permit Date:	19-AUG-77		

GEOCHECK→ - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: MI Radon

Radon Test Results

Zipcode	Test Date	LT Sign	Result
49660	3/29/1997		1.5
49660	1/29/2008		1.6
49660	11/12/1999		1.6
49660	3/8/2000		1.6
49660	11/26/2004		1.5
49660	10/18/2004		1.5
49660	2/22/2005		1.5
49660	1/22/2005		1.4
49660	12/20/2004		1.4
49660	5/20/2005		1.4
49660	11/27/2004		1.4
49660	9/25/2006		1.4
49660	11/17/1997		1.4
49660	11/13/2004		4.4
49660	11/2/1999		4.3
49660	4/16/2004		4.0
49660	12/6/1999		4.4
49660	2/7/2005		4.1
49660	5/20/2004		4.1
49660	2/4/2005		4.1
49660	2/15/2002		4.5
49660	1/27/2001		4.1
49660	2/9/2009	<	0.3
49660	9/18/2009	<	0.3
49660	12/17/2002		7.5
49660	1/28/2002		6.4
49660	11/5/2003		5.9
49660	3/5/2002		5.0
49660	3/4/2005		5.3
49660	2/3/2005		5.3
49660	3/9/2009		5.0
49660	2/9/2008		5.7
49660	2/7/2005		4.9
49660	3/4/2002		5.6
49660	12/17/2002		6.7
49660	3/27/2002		9.8
49660	2/11/2002		8.4
49660	1/29/2005		8.4
49660	3/4/2005		11.4
49660	5/29/2008		9.7
49660	2/7/2005		2.0
49660	3/7/2001		8.2
49660	11/24/2004		2.0
49660	11/16/2004		2.0
49660	3/8/2007		2.0
49660	1/19/2010		2.1
49660			

GEOCHECK→ - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	4/30/2009		2.7
49660	4/3/2009		2.6
49660	11/10/2006		2.5
49660	2/25/2002		2.4
49660	2/4/2005		2.4
49660	2/10/2005		2.4
49660	1/26/2001		2.4
49660	3/10/2007		2.3
49660	1/20/2009		2.3
49660	11/4/1999		2.2
49660	11/8/1999		2.2
49660	12/9/1996		2.2
49660	2/7/2002		2.3
49660	1/19/2005		2.2
49660	6/26/2004		2.2
49660	3/9/2005		2.2
49660	3/9/2002		2.7
49660	1/23/2001		3.0
49660	5/8/2007		2.7
49660	2/7/2005		2.8
49660	2/13/2008		2.7
49660	1/28/2002		2.9
49660	11/2/2004		2.9
49660	3/12/2009	<	0.3
49660	2/1/2008	<	0.3
49660	5/21/2009	<	0.3
49660	11/25/2000		3.6
49660	11/5/1999	<	0.3
49660	11/6/1999	<	0.3
49660	1/19/2005		3.2
49660	1/31/2005		3.2
49660	8/27/2009	<	0.3
49660	12/23/2002		3.9
49660	6/18/2009	<	0.3
49660	2/22/2005		3.1
49660	1/15/2005		3.8
49660	11/22/2003		3.6
49660	11/11/2004		1.9
49660	2/20/2003		1.9
49660	2/7/2003		1.9
49660	3/29/1997		1.8
49660	2/21/1998		1.8
49660	2/16/2002		1.8
49660	1/31/2005		1.8
49660	2/12/2008		1.8
49660	3/7/2005		1.8
49660	11/2/2004		1.8
49660	3/19/2005		1.7
49660	3/10/2006		1.7
49660	4/5/2002		1.6
49660	11/10/2004		1.6
49660	5/27/2005	<	0.3
49660	1/20/2005		0.5
49660	10/30/2006	<	0.3
49660	5/17/2007	<	0.3
49660	5/23/2006		0.5
49660			

GEOCHECK→ - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	2/1/2007	<	0.3
49660	3/2/2007		0.5
49660	1/19/2005	<	0.3
49660	11/20/2004	<	0.3
49660	5/20/1994		0.4
49660	1/31/1994		0.4
49660	1/25/2003	<	0.3
49660	4/11/2005	<	0.3
49660	2/3/1994		0.4
49660	2/4/2002	<	0.3
49660	3/2/2004	<	0.3
49660	1/25/2008	<	0.3
49660	2/15/2002	<	0.3
49660	9/22/2003	<	0.3
49660	9/1/2007	<	0.3
49660	5/23/1997	<	0.3
49660	1/27/2003		0.5
49660	2/28/1998		0.8
49660	2/28/1998		0.8
49660	11/5/2004		0.7
49660	11/18/1996		0.9
49660	1/29/2005		0.7
49660	1/27/2005		0.7
49660	4/8/2005		0.7
49660	4/10/2007		0.6
49660	7/9/2005		0.6
49660	1/13/2005		0.6
49660	12/6/2004		0.6
49660	11/13/2004		0.8
49660	2/10/2005		0.8
49660	11/3/2006		0.7
49660	1/28/2003		0.9
49660	11/10/2003		0.9
49660	2/25/2002		0.9
49660	3/22/2005		0.6
49660	10/29/2005		0.8
49660	4/9/2005		0.8
49660	1/25/2006		0.6
49660	10/30/2006		0.7
49660	3/22/2005		0.9
49660	11/13/2004		0.9
49660	2/16/2005		0.9
49660	2/8/2005		0.9
49660	3/3/2006		0.9
49660	3/1/2008		0.8
49660	3/19/2009		0.6
49660	6/28/1995		0.6
49660	6/28/1995		0.6
49660	6/28/1995		0.6
49660	6/28/1995		0.6
49660	4/11/1994		0.6
49660	7/1/1994		0.5
49660	12/31/1993		0.7
49660	3/7/2009		0.9
49660	2/20/2003		0.5
49660	3/5/2002		0.6
49660			

GEOCHECK→ - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

	2/4/2002	0.6
49660	2/22/2001	1.4
49660	1/22/2001	1.4
49660	12/29/2006	1.3
49660	2/27/2007	1.3
49660	1/3/2007	1.3
49660	11/5/2004	1.3
49660	3/29/1997	1.2
49660	11/4/1999	1.2
49660	11/4/2004	1.2
49660	11/4/2004	1.2
49660	2/27/2006	1.2
49660	1/15/2002	1.1
49660	1/27/2001	1.1
49660	11/12/2004	1.1
49660	11/4/2004	1.1
49660	10/31/2005	1.1
49660	11/5/2004	1.0
49660	2/8/2006	1.0
49660	8/18/2006	1.0
49660	11/22/2008	1.0
49660	3/5/2007	1.0

Federal EPA Radon Zone for MANISTEE

County: 3 Note: Zone 1 indoor average

level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code:

49660 Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.700 pCi/L	67%	33%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM) Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

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

Source: FEMA Telephone: 877-336-2627

Date of Government Version: 2003, 2015

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

State Wetlands Data: Wetlands Inventory Source: Department of Natural Resources Telephone: 517-241-2254

HYDROGEOLOGIC INFORMATION

AQUIFLOW® Information System

Source: EDR proprietary database of groundwater flow information

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

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation

of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of

groundwater. STATE RECORDS

Water Well Data
Source: Department of Environmental Quality
Telephone: 517-335-9218
The data in this file was obtained from Wellogic, the Michigan Department of Environmental Quality Statewide Groundwater Database (SGWD). Wellogic contains approximately 425,000 water well records found within the State of Michigan,
and although it represents the best available data, it cannot be considered a complete database of all the wells or well records in existence. Locations of verified municipal and private water well sites compiled from Michigan
Department of Public Health, Water Well and Pump Records. Available in the following MI counties: Calhoun, Eaton, Genesee, Ingham, Jackson, Kalamazoo, Kent, Midland, Muskegon, Oakland, Ottawaw, Saginaw, St. Clair, Washtenaw.

OTHER STATE DATABASE INFORMATION

Michigan Oil and Gas Wells
Source: Department of Environmental Quality
Telephone: 517-241-1528
Locations of oil and gas wells are compiled from permit records on file at the Geological Survey Division (GSD), Michigan Department of Natural Resources.

RADON

State Database: MI Radon
Source: Department of Environmental Quality Telephone: 517-335-9551
Radon Test Results

Michigan Radon Test Results
Source: Department of Environmental Quality Telephone: 517-335-8037

These results are from test kits distributed by the local health departments and used by Michigan residents. There is no way of knowing whether the devices were used properly, whether there are duplicates (or repeat verification) test (i.e., more than one sample per home), etc.

Area Radon
Information Source:
USGS Telephone:
703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon
Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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Attachment 6

Aerial Photographs

Sugar Shack

Not Reported

Manistee, MI 49660

Inquiry Number: 7816119.6

November 08, 2024

The EDR Aerial Photo Decade Package

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

EDR Aerial Photo Decade Package

11/08/24

Site Name:

Sugar Shack
Not Reported
Manistee, MI 49660
EDR Inquiry # 7816119.6

Client Name:

Gosling Czubak
1280 Business Park Drive
Traverse City, MI 49686
Contact: Fern Sexton

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

Search Results:

Year	*Scale*	*Details*	*Source*
1938	1"=500'	Flight Date: July 18, 1938	USGS
1954	1"=500'	Flight Date: May 14, 1954	USGS
1965	1"=500'	Flight Date: July 07, 1965	USDA
1977	1"=500'	Flight Date: April 29, 1977	USGS
1986	1"=500'	Flight Date: June 03, 1986	USDA
1993	1"=500'	Acquisition Date: January 01, 1993	USGS/DOQQ
1996	1"=500'	Acquisition Date: January 01, 1996	USGS/DOQQ
1998	1"=500'	Acquisition Date: January 01, 1998	USGS/DOQQ
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2020	1"=500'	Flight Year: 2020	USDA/NAIP

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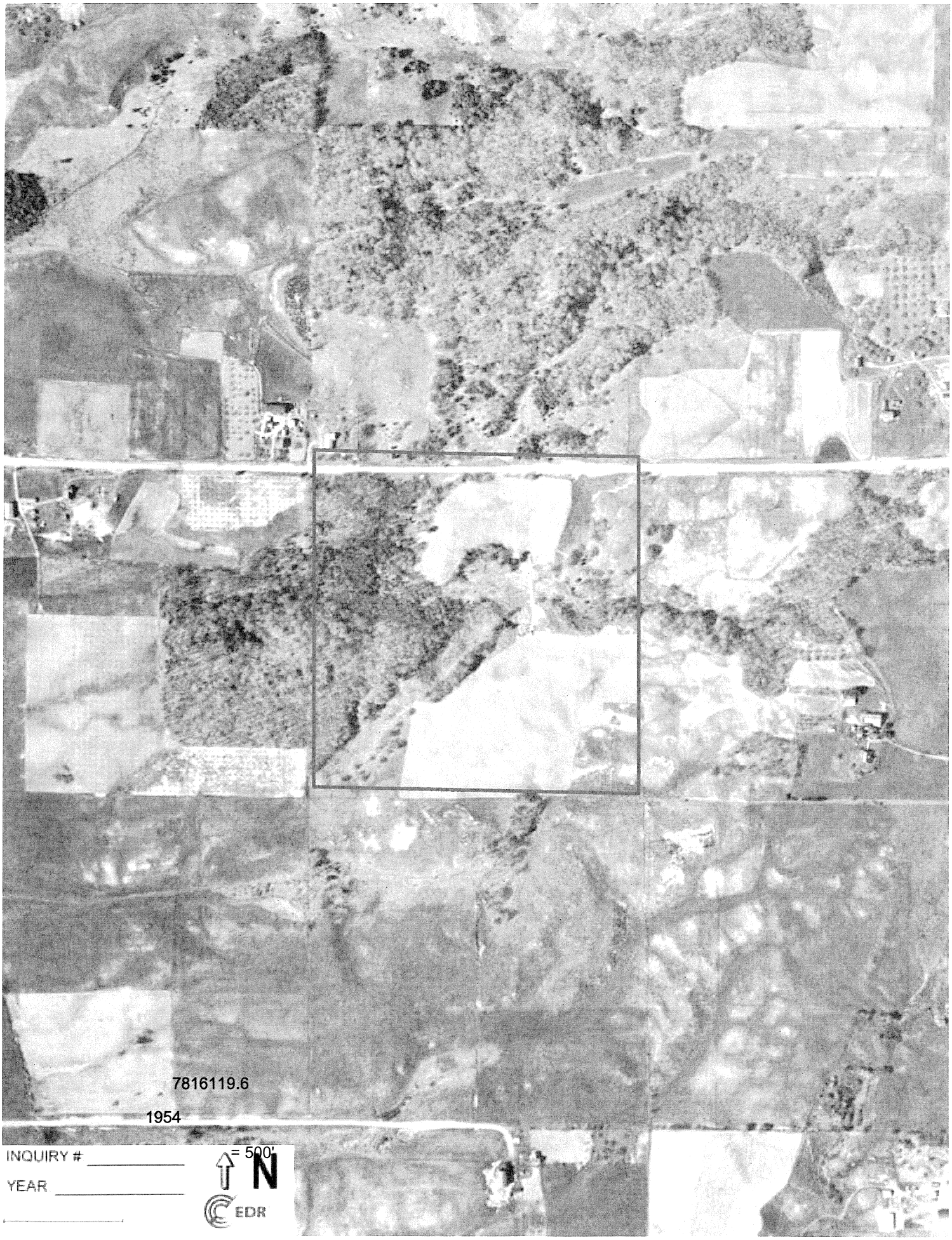
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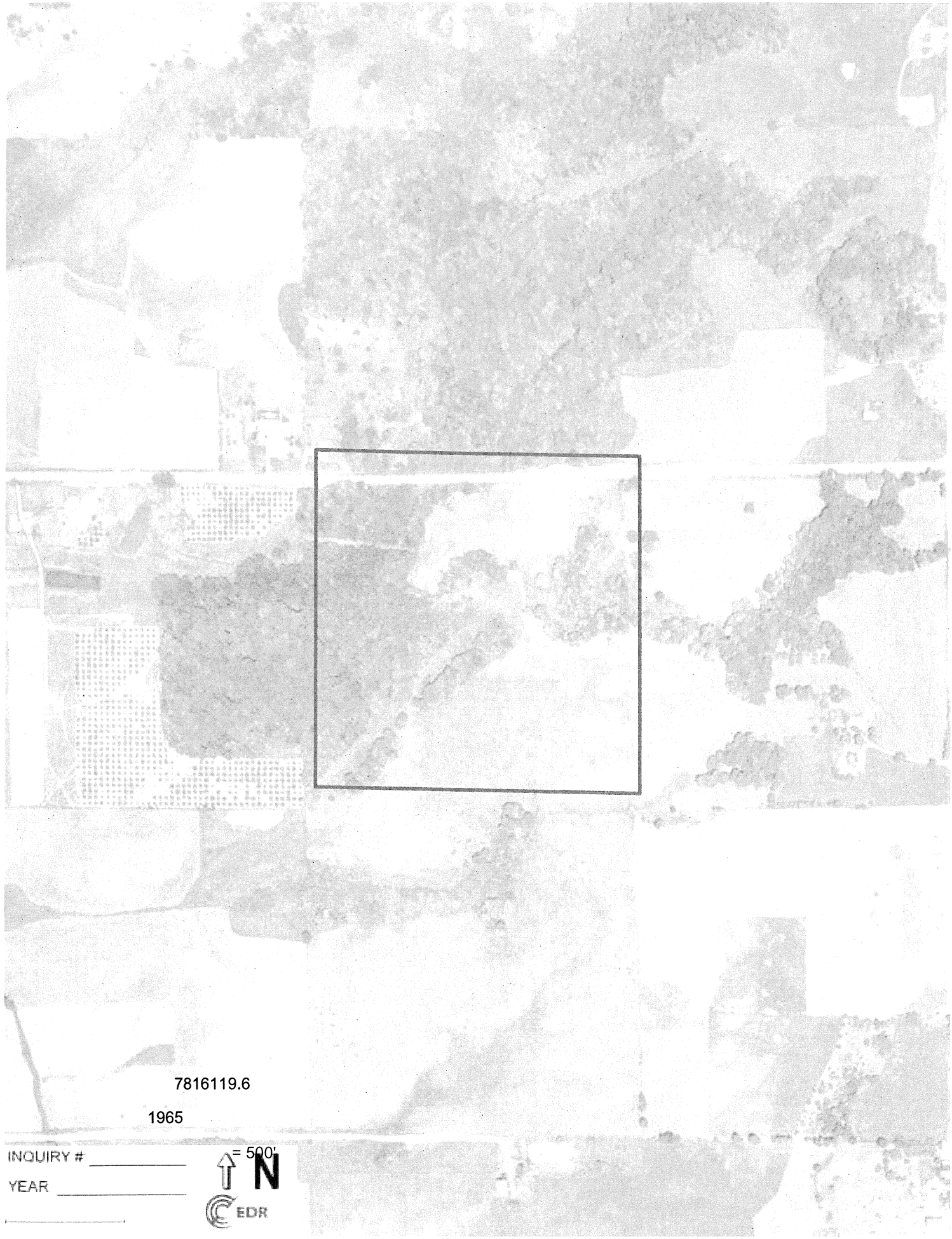
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7816119.6
1938
INQUIRY #
YEAR
= 500'
N
EDR


7816119.6
1954
INQUIRY #
YEAR
= 500'
N
EDR



7816119.6

1965

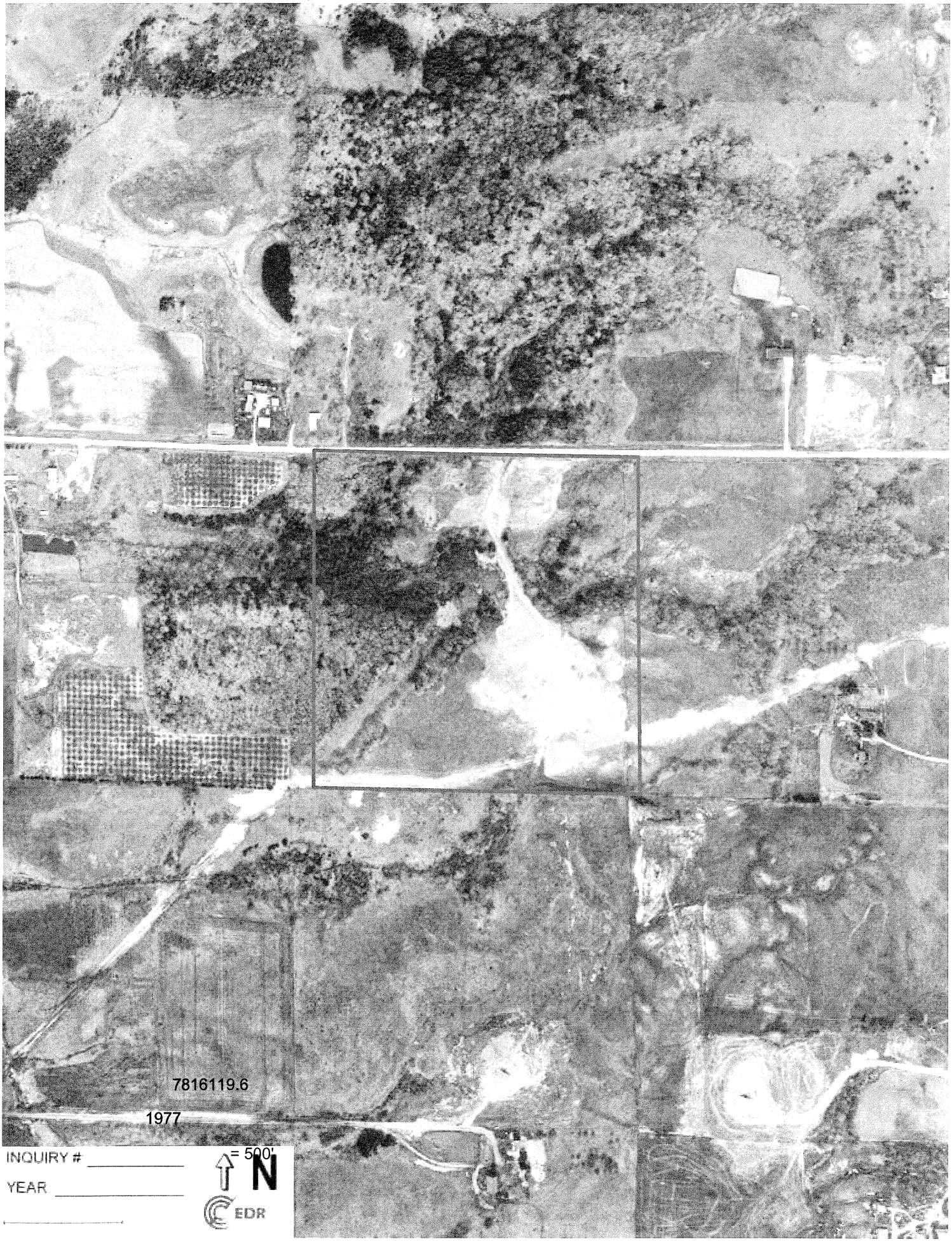
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YEAR _____

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EDR



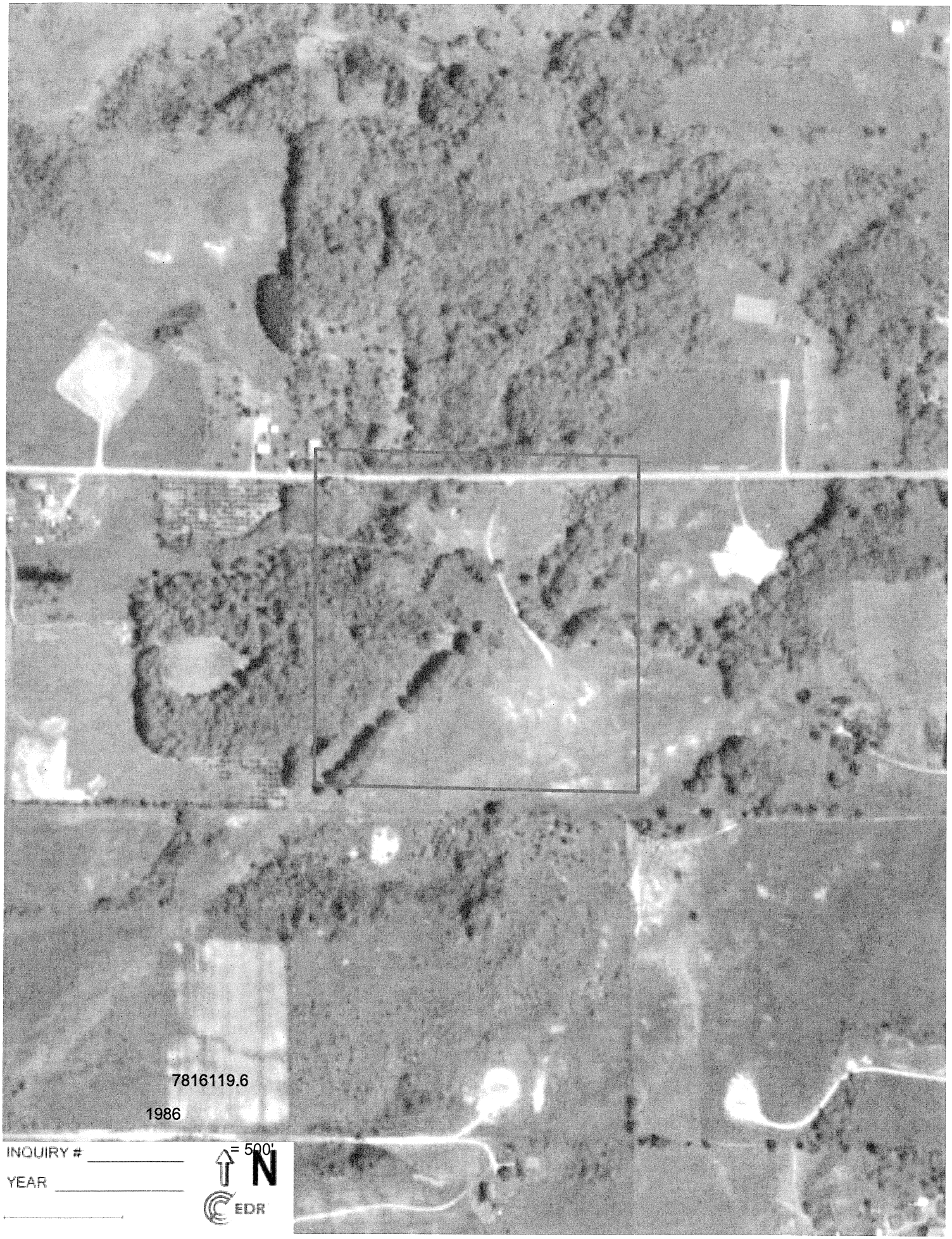
INQUIRY # _____

YEAR _____

= 500'

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EDR


7816119.6
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INQUIRY #
YEAR
= 500'
N
EDR



7816119.6

1993

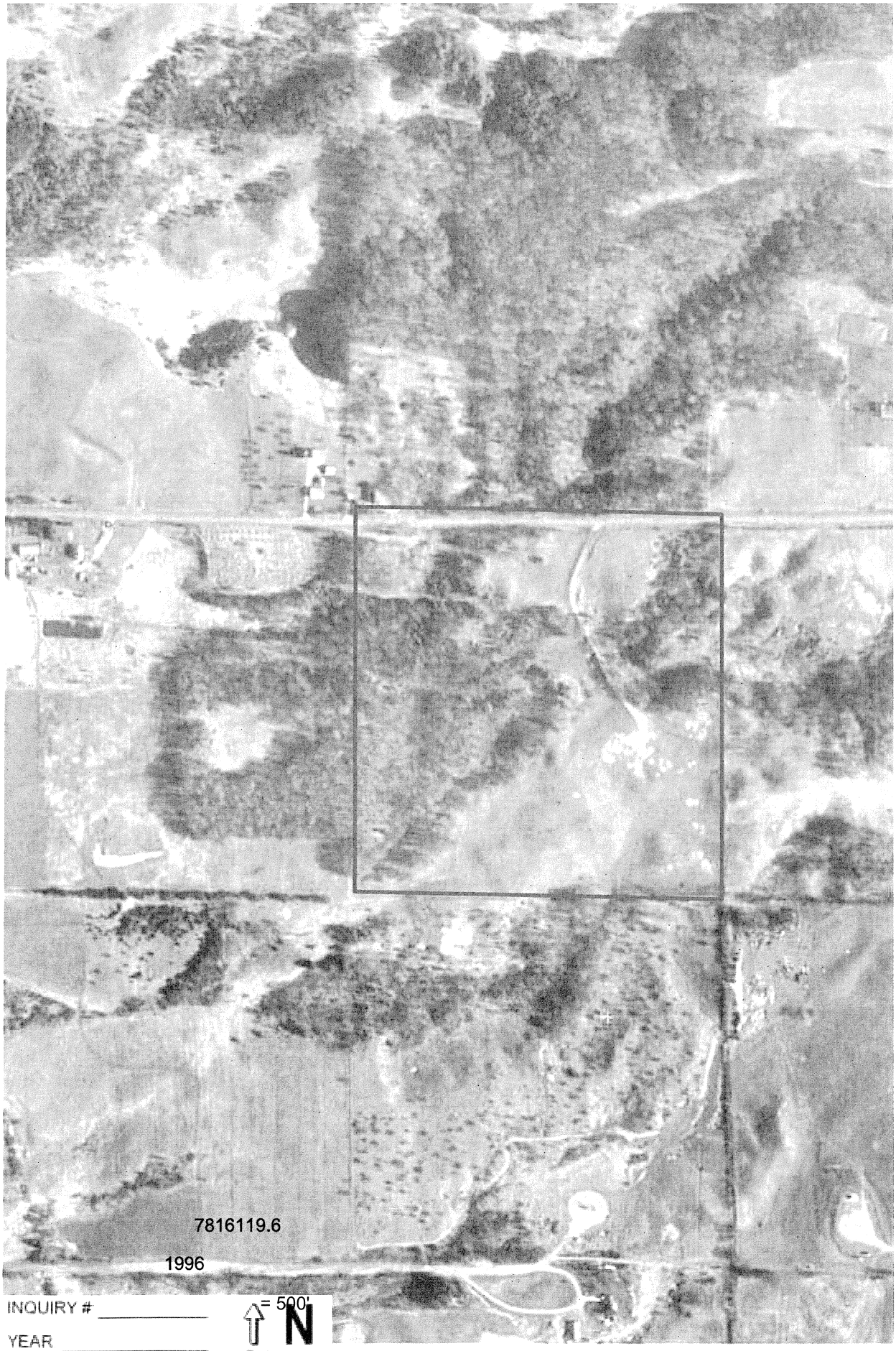
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YEAR _____

= 500'

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EDR



7816119.6

1996

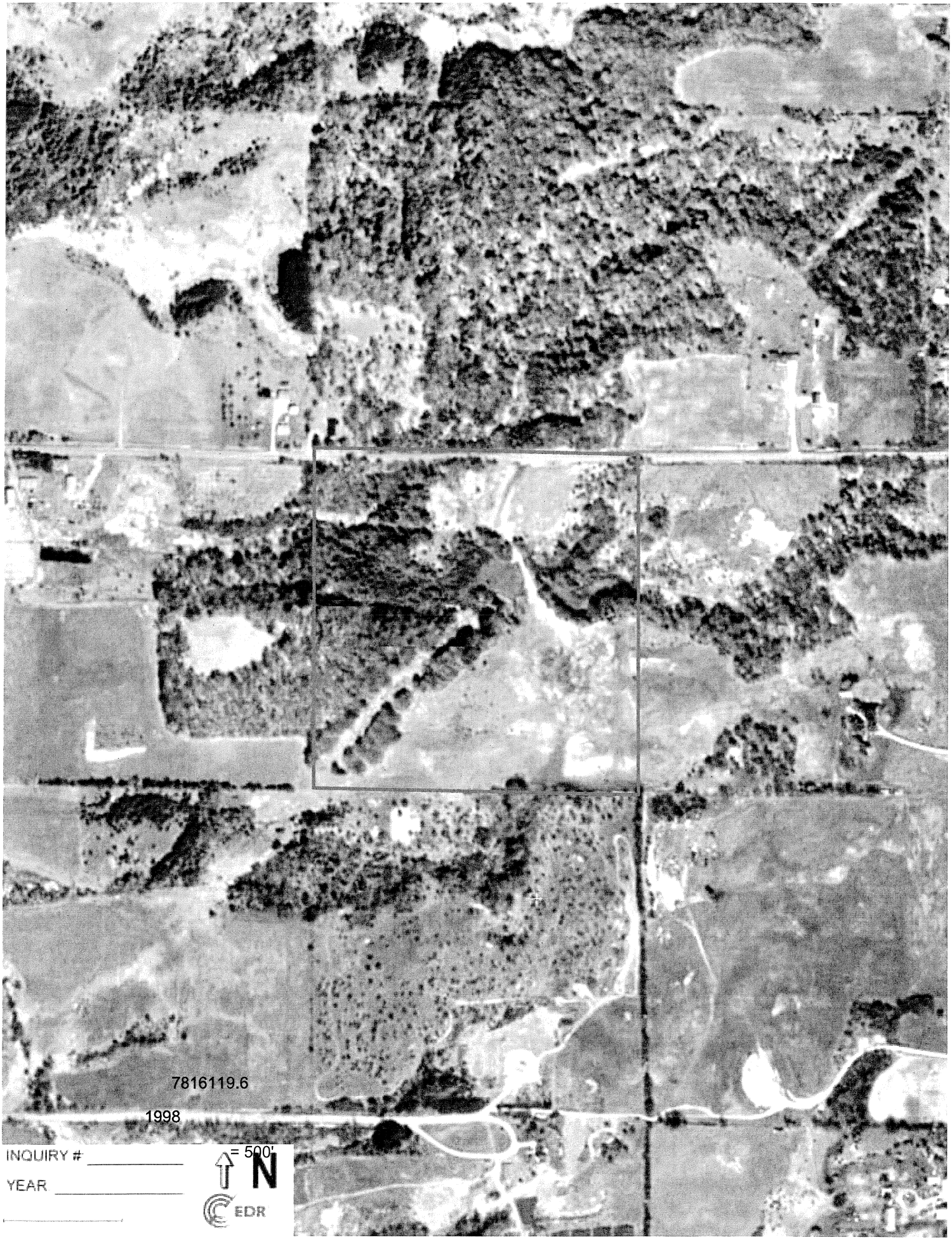
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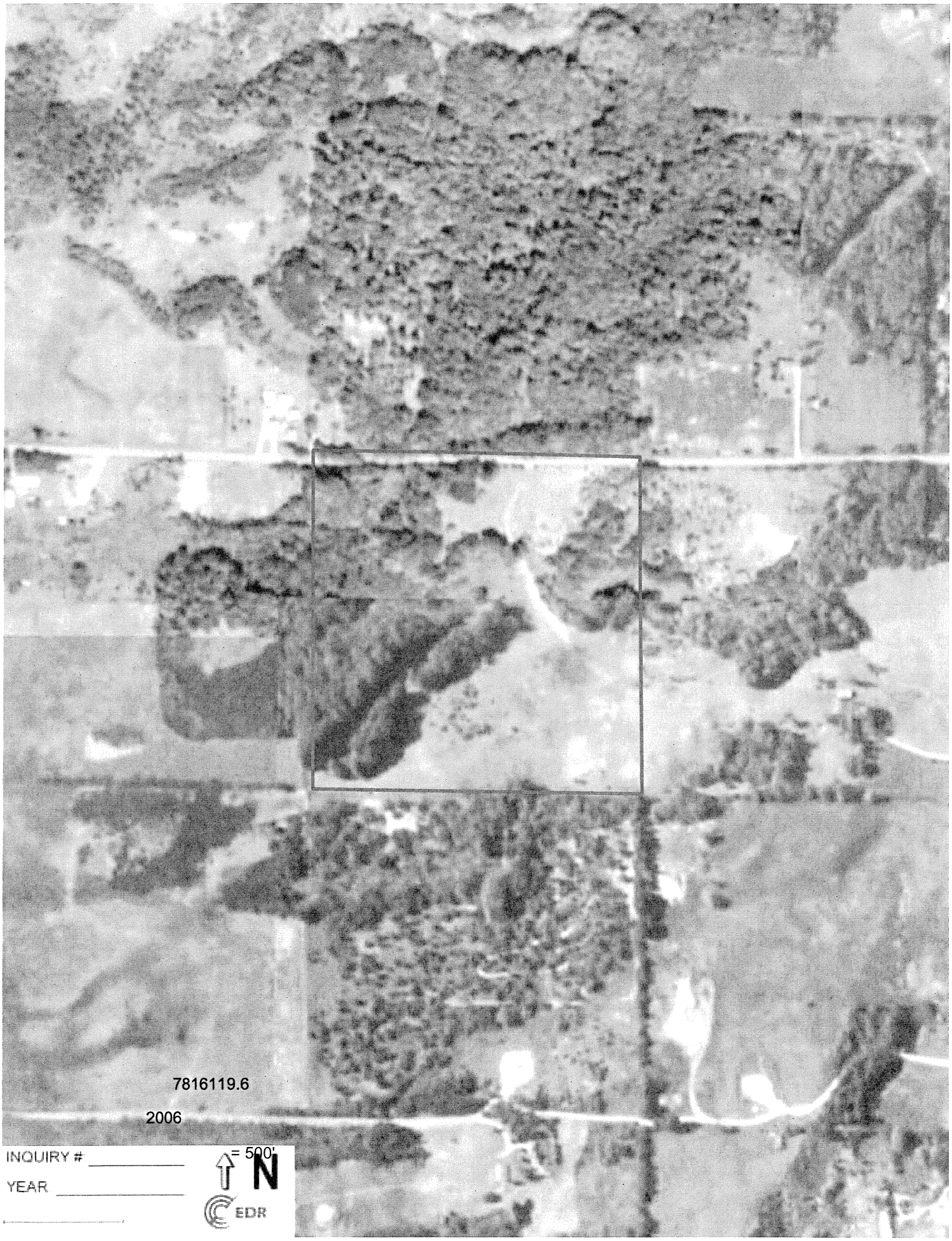
YEAR _____

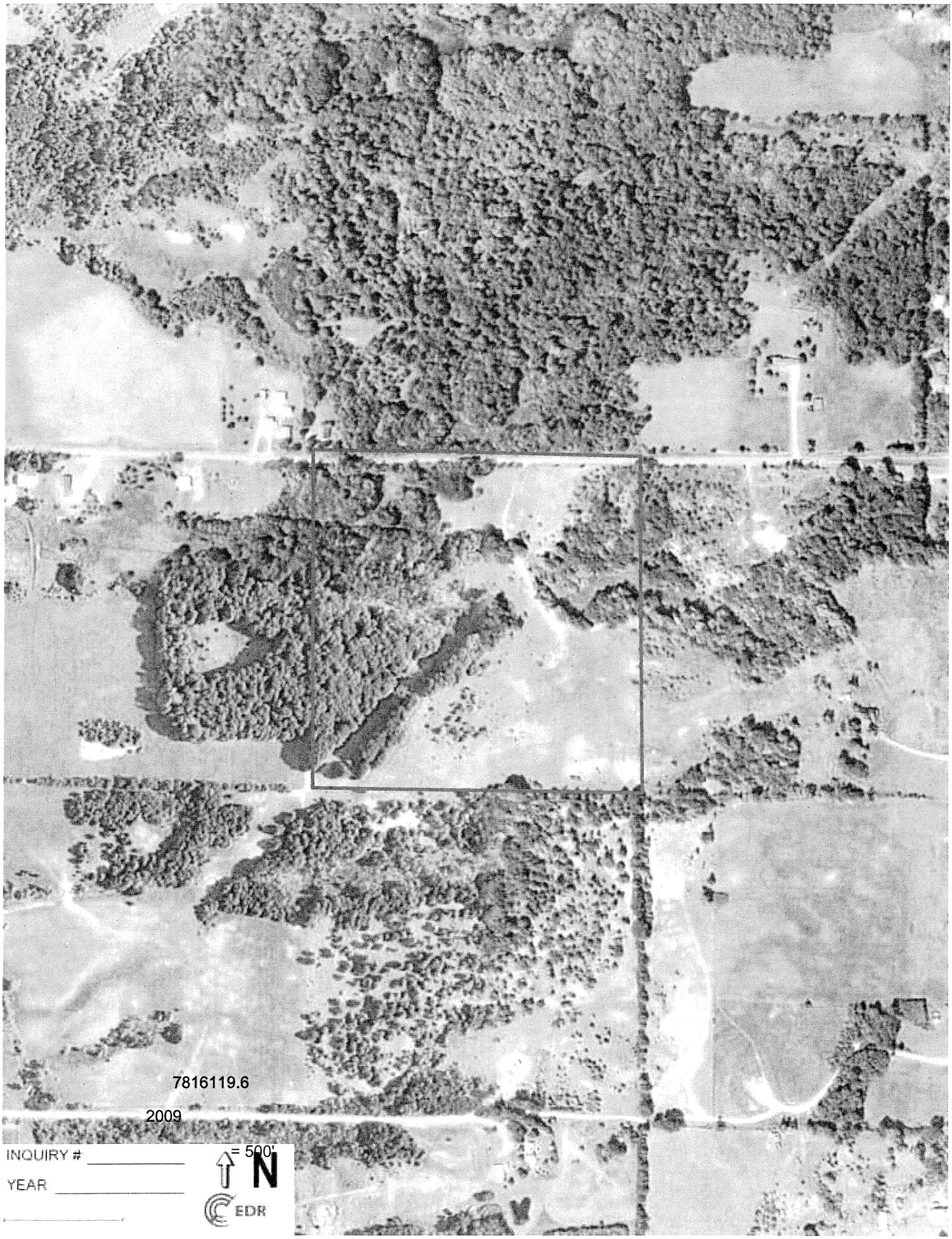
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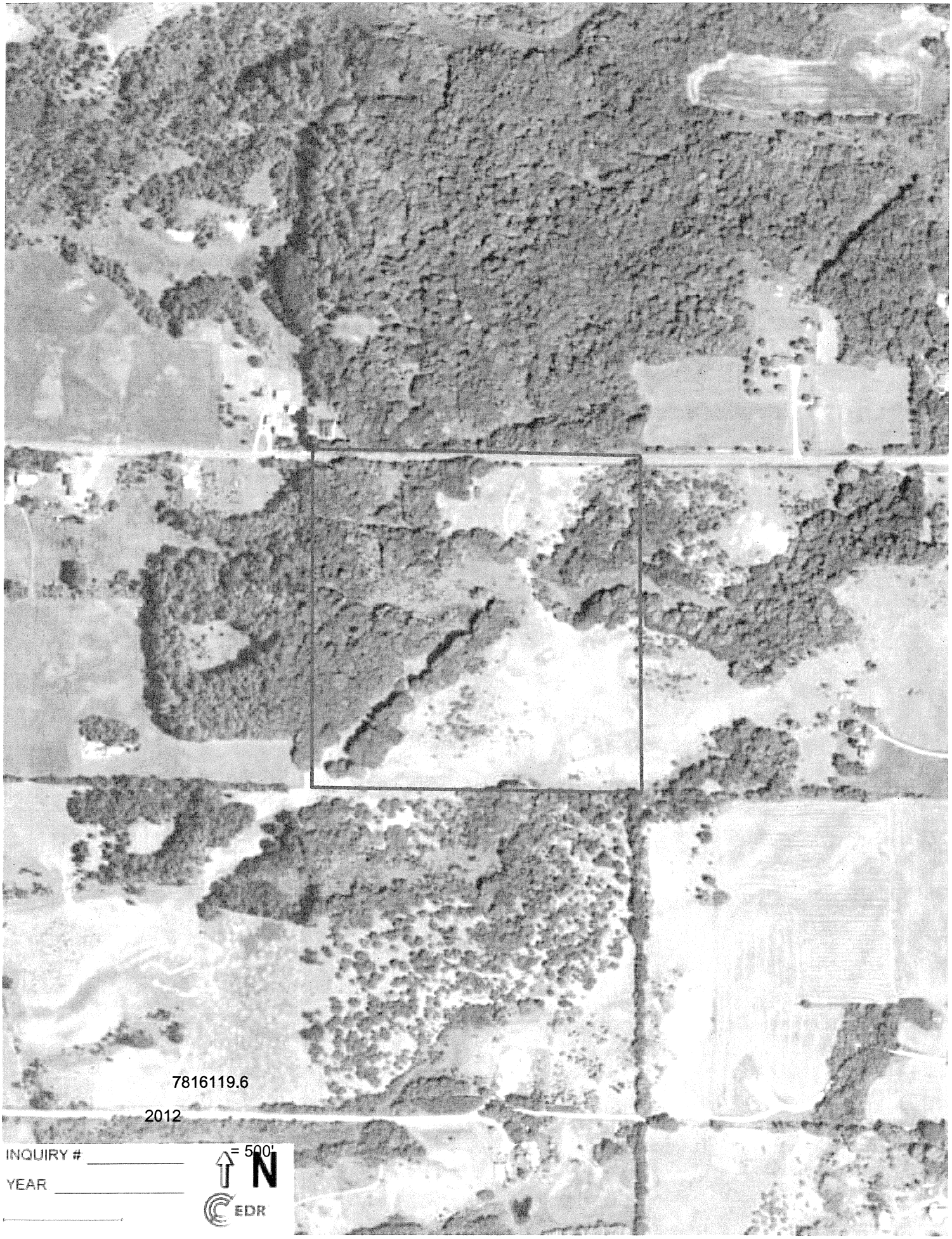
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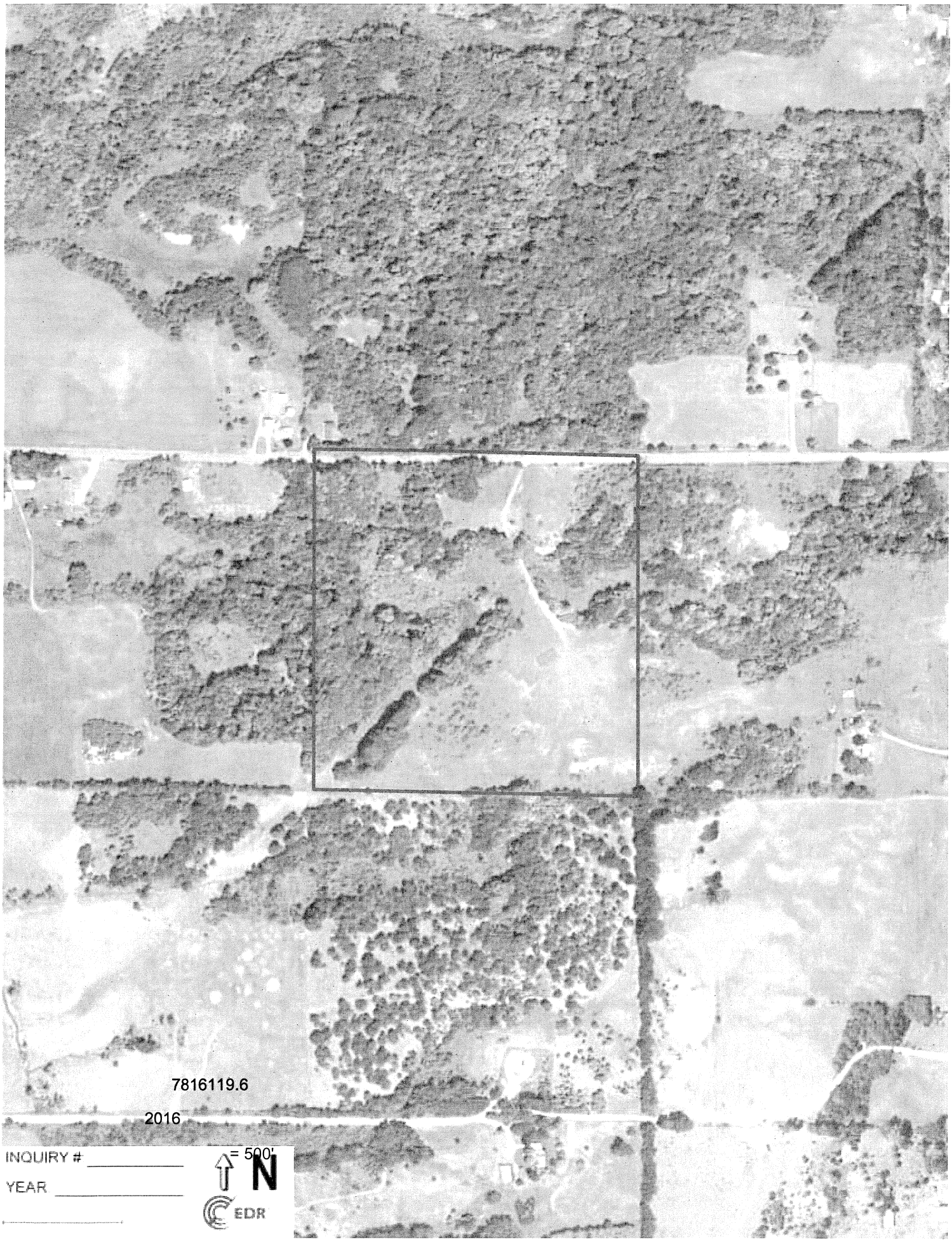
EDR

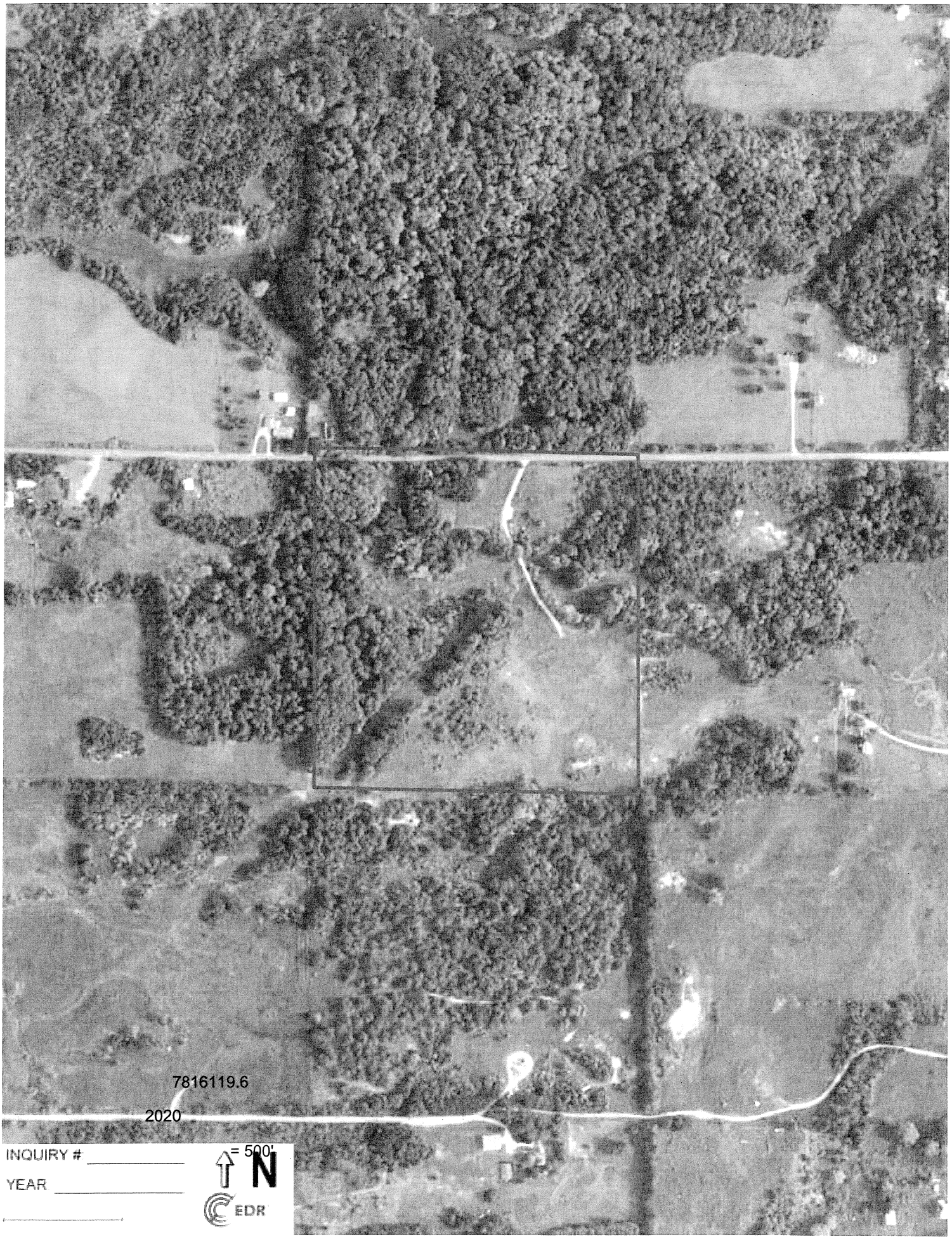

7816119.6
1998
INQUIRY #
YEAR
= 500'
N
EDR


7816119.6
2006
INQUIRY #
YEAR
= 500'
N
EDR


7816119.6
2009
INQUIRY #
YEAR
= 500'
N
EDR


7816119.6
2012
INQUIRY #
YEAR
= 500'
N
EDR


7816119.6
2016
INQUIRY #
YEAR
= 500'
N
EDR


7816119.6
2020
INQUIRY #
YEAR
= 500'
N
EDR

Attachment 7

Sanborn Fire Insurance Maps

Sugar Shack

Not Reported

Manistee, MI 49660

Inquiry Number: 7816119.3

November 07, 2024

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

11/07/24

Site Name:	Client Name:
Sugar Shack	Gosling Czubak
Not Reported	1280 Business Park Drive
Manistee, MI 49660	Traverse City, MI 49686
EDR Inquiry # 7816119.3	Contact: Fern Sexton

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

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Certified Sanborn Results:

Certification #	49A3-4C35-B6A8
PO #	NA
Project	240218

UNMAPPED PROPERTY

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

Sanborn® Library search results

Certification #: 49A3-4C35-B6A8

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

The Sanborn Library LLC Since 1866™

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Attachment 8

Property Tax Records

Parcel Number 07-116-002-00

Owner Name(s): UNITED STATES IN TRUST FOR
LITTLE RIVER BAND OF OTTAWA INDIANS

Owner Address: 2608 GOVERNMENT CENTER DR
MANISTEE, MI 49660

Property Class: 402 - RESIDENTIAL VACANT

School District: 51060 - ONEKAMA

Current Homestead %: 0%

Current Assessment: $0

Current S.E.V.: $0 **Current Taxable Value:** $0

Last Year's Assessment: $ 40,000

Last Year's S.E.V.: $40,000

Last Year's Taxable Value: $ 39,838

Sale Date	Sale Amount	Other Parcels In Sale
1129120211	$ 0.00	o?-116-004-oo
10/31/2019	$ 0.00	o?-116-004-oo
1112012018	$ 0.00	01-116-004-oo
11412010	$725,oo .oo	07-116-004-00 07-128-003-00
411111997	$ 0.00	

NW 1/4 OF NE 1/4. 40 ACRES. SEC 16 T22N R16W.

Attachment 9

Owner Questionnaire

Gasling Czubak
engineering sciences, inc.

ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE

Site Name:	Parcel 51-07-116-002-00, Manistee Township, Michigan
Site Address:	
Site City/State:	Manistee/Michigan
GCES Project No.:	**240218**

This questionnaire should be completed by the current owner of the property; any commercial occupant of the property (residential occupants do not need to be asked the questions); and any other occupant likely to be using, treating, generating, storing or disposing of hazardous substances or petroleum products on or from the property.

Answer all questions to the best of the respondent's actual knowledge and in good faith. All questions should be answered as indicated in the form. Preparer represents that to the best of his/her knowledge the statements and facts are true and correct and to the best of his/her actual knowledge no material facts have been suppressed or misstated.

The OWNER portion of the questionnaire was completed by:

Owner Name:	David Karsl
Owner Signature	
Owner Phone Number:	231-299-4414
Date:	11/15/2024

The OCCUPANT portion of the questionnaire was completed by:

Occupant Name:	LRBOI/Same as owner
Occupant Signature	
Occupant Phone Number:	
Date:	11/15/2024

The SITE VISIT portion of the questionnaire was completed by:

Name:	Fern Sexton
Title:	Project Scientist
Firm:	Gosling Czubak Engineering Sciences, Inc.
Phone Number:	231-946-9191
Date:	01/08/2024
Relationship to Site:	Consultant
Relationship to User:	Consultant

	QUESTION	OWNER	OCCUPANT	OBSERVED DURING SITE VISIT
1.	Is the *property* or any *adjoining property* used for an industrial use?	Yes ____ No ____ Unknown x	Yes ____ No ____ Unknown x	Yes ____ No ____ Unknown X

** **Provide an explanation in the Comments Section for all questions answered YES****

GusI1ng fiizu.ba k
engineering sciences, inc.

ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE

QUESTION	OWNER	OCCUPANT	OBSERVED DURING SITE VISIT
2. To the best of your knowledge, has the *property* or any *adjoining property* been used for an industrial use in the past?	Yes **No** Unknown x	Yes **No** Unknown x	Yes **No** Unknown X
3. Is the *property* or any *adjoining property* used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?	Yes No Unknown x	Yes No Unknown x	Yes No Unknown X
4. To the best of your knowledge has the *property* or any *adjoining property* been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?	Yes No Unknown x	Yes ____ No Unknown x	Yes No Unknown X
5. Are there currently, or to the best of your knowledge have there been previously, any damaged or discarded automobile or industrial batteries, or pesticides, paints, or other chemicals in individual containers of greater than 5 gal (19 L) in volume or 50 gal (190 L) in the aggregate, stored on or used at the *property* or at the facility?	Yes x No Unknown	Yes x No Unknown	Yes X No Unknown
6. Are there currently, or to the best of your knowledge have there been previously, any industrial *drums* (typically 55 gal [208 L]) or sacks of chemicals located on the property or at the facility?	~~Yes~~ x No Unknown	Yes ____ No Unknown	Yes X No Unknown
7. Has *fill 'dirt* been brought onto the property that originated from a contaminated site or that is of an unknown origin?	Yes No Unknown x	Yes No Unknown x	Yes No - Unknown X

** **Provide an explanation in the Comments Section for all questions answered YES****

Gosling Czuha.k
engineering sciences, inc.

ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE

QUESTION	OWNER	OCCUPANT	OBSERVED DURING SITE VISIT
8. Are there currently, or to the best of your knowledge have there been previously, any *pits, ponds, or lagoons* located on the *property* in connection with waste treatment or waste disposal?	Yes No own x_ Unk	Yes No Unknown x_	Yes No Unknown X
9. Is there currently, or to the best of your knowledge have there been previously, any stained soil on the *property?*	Yes No own Unk X	Yes **No** Unknown x	Yes No Unknown X
10. Are there currently, or to the best of your knowledge have there been previously, any registered or unregistered storage tanks (above or underground) located on the *property?*	Yes No Unknown X	Yes **No** Unknown x_	Yes **No** Unknown X
11. Are there currently, or to the best of your knowledge have there been previously, any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the *property* adjacent to any structure located on the *property?*	Yes No Unknown x_	Yes No Unknown x_	Yes No Unknown X
12. Are there currently, or to the best of your knowledge have there been previously, any flooring, drains, or walls located within the facility that are stained by substances other than water or are emitting foul odors?	Yes No Unknown x_	Yes **No** ~~Unknown~~ x	Yes **No** X ~~Unknown~~
13. If the *property* is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed guidelines a p plicable to the	Yes **No**	Yes	Yes

** **Provide an explanation in the Comments Section for all questions answered YES****

water system or has	Unknown X	**No** Unknown x_	No Unknown X
the well been designated contaminated by any government environmental/health aqencv?	**N/A**	**N/A**	**N/A**

** **Provide an explanation in the Comments Section for all questions answered YES****

ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE

	QUESTION	OWNER	OCCUPANT	OBSERVED DURING SITE VISIT
14.	Does the *owner* or *occupant* of the *property* have any knowledge of *environmental liens* or governmental notification relating to the past or recurrent violations of environmental laws with respect to the *property* or any facility located on the *property?*	Yes No x Unknown	Yes No Unknown x	Yes **No** X Unknown
15.	Has the *owner* or *occupant* of the *property* been informed of the past or current existence of *hazardous substances* or petroleum *products* or environmental violations with respect to the *property* or any facility located on the *property?*	Yes **No** Unknown x	Yes **No** Unknown x	Yes **No** Unknown X
16.	Does the *owner* or *occupant* of the property have any knowledge of any environmental site assessment of the *property* or facility that indicated the presence of *hazardous substances* or *petroleum products* on, or contamination of the *property,* or recommend further assessment of the *property?*	Yes **No** Unknown x	Yes **No** Unknown x	Yes X **No** Unknown
17.	Does the *owner* or *occupant* of the *property* know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any *hazardous substance* or *petroleum products* involving the *property* by any owner or occupant of the *property?*	Yes **No** x Unknown	Yes No x Unknown	Yes No X Unknown
18.	Does the *property* discharge wastewater on or adjacent to the *property,* other than stormwater into a sanitary sewer system?	Yes No x Unknown	Yes No x Unknown	Yes No X Unknown

** **Provide an explanation in the Comments Section for all questions answered YES****

ENVIRONMENTAL ASSESSMENT QUESTIONNAIRE

QUESTION	OWNER	OCCUPANT	OBSERVED DURING SITE VISIT
19. To the best of your knowledge, have any *hazardous substances* or *petroleum products,* unidentified waste materials, tires, automotive or industrial batteries or any other waste materials been dumped above grade, buried and/or burned on the *property?*	Yes x No Unkno wn	Yes x No Unknown	Yes X No Unknown
20. Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCB's on the *property?*	Yes No own x Unkn	Yes No Unknown x	Yes No Unknown X

** Provide an explanation in the Comments Section for all questions answered YES**

Comments: There is an open dump on this property that has been there for at least a couple of decades. This open dump was on the property at the time of purchase.

** **Provide an explanation in the Comments Section for all questions answered YES****