



PHASE I ENVIRONMENTAL SITE ASSESSMENT

Three parcels on the northwest corner of North Graham and Gratiot Roads, Thomas Township, Saginaw County, Michigan

PREPARED FOR Saginaw Future, Inc.
515 North Washington Avenue
Saginaw, Michigan 48607

PROJECT # 6411s2-1-17

DATE October 21, 2024

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Three parcels on the northwest corner of North Graham and Gratiot Roads, Thomas Township, Michigan
AKT Peerless Project No. 6411s2-1-17

Executive Summary

AKT Peerless Environmental Services (AKT Peerless) conducted a Phase I Environmental Site Assessment (ESA) of the subject property as described below in accordance with United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquires [(AAI), 40 Code of Federal Regulations (CFR) Part 312] and the ASTM International Standard Practice E 1527-21 (ASTM Practice E 1527). This Phase I ESA was performed for Saginaw Future, Inc. (Client) to meet program requirements of the MI Sites Program.

Subject Property Description

Address	None associated
Land Area (acres)	114.78
Parcel ID Number(s)	Parcel A: 28-12-3-29-1002-002 Parcel B: 28-23-3-29-1002-003 Parcel C: 28-12-3-29-1001-003
Number of Building(s)	None
Date(s) of Construction	Not applicable
Building Square Footage	Not applicable
Current Use	Agricultural
Current Occupants	Unoccupied
Past Use	Undeveloped, agricultural
Adjoining Property Uses	Northwest: residential North: Fullerton Tool Company - West Northeast: agricultural East: Saginaw Control & Engineering, agricultural, Saginaw Conservation District, Mobil Southeast: Greenstone Farm Credit Services South: agricultural, residential Southwest: Saginaw Valley Sod Farms West: residential, agricultural, vacant lot
Inferred Groundwater Flow Direction	Southeast
Approximate Groundwater Depth	Not determined

Recognized Environmental Conditions (RECs)

This assessment has revealed no evidence of known RECs in connection with the subject property.

Controlled Recognized Environmental Conditions (CRECs)

This assessment has revealed no evidence of known CRECs in connection with the subject property.

Historical Recognized Environmental Conditions (HRECs)

This assessment has revealed no evidence of known HRECs in connection with the subject property.

Significant Data Gaps (SDG)

AKT Peerless did not identify or encounter any instances of significant data gaps during this Phase I ESA.

The Executive Summary above is an overview of the opinions and conclusions of this Phase I ESA and shall not be considered apart from the entire report, which contains the rationale and qualifications used by AKT Peerless in making the opinions and conclusions presented herein. Furthermore, non-ASTM scope considerations, if any, are reported in Section 6.4 and other notable environmental considerations, if any, are reported in Section 7.5. These conditions are not included in this Executive Summary.

Presumed Viability Evaluation

Critical Component	Completion Date
State and Federal Database Report	October 4, 2024
Government Records Review	October 7, 2024
Interviews	October 3, 2024
Site Inspection	October 11, 2024
Environmental Professional Declaration	October 21, 2024

1.0 Introduction

Saginaw Future, Inc. (Client) retained AKT Peerless to conduct a Phase I Environmental Site Assessment (ESA) of three parcels located at the northwest corner of North Graham and Gratiot Roads in Thomas Township, Saginaw County, Michigan (subject property). This Phase I ESA was conducted in accordance with: (1) the United States Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries [(AAI), 40 Code of Federal Regulations (CFR) Part 312] and (2) guidelines established by ASTM International in the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process / Designation E 1527-21* (ASTM Practice E 1527).

Nothing in this report constitutes a legal opinion or legal advice. AKT Peerless has not made an independent determination whether the Client satisfies *User* obligations to establish a Landowner Liability Protection (LLP) defense under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980. In accordance with ASTM Practice E 1527, a *User* is the party seeking to use ASTM Practice E 1527 to complete an environmental site assessment of the subject property. A *User* may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager. Furthermore, a *User* seeking to establish an LLP defense under CERCLA, and USEPA Brownfield Assessment and Characterization grantees, have specific obligations for completing a successful application of this practice. AKT Peerless' scope of work does not include an evaluation or completion of these specific user obligations as described in Section 6 of ASTM Practice E 1527, unless otherwise noted.

1.1 Purpose

The purpose of this Phase I ESA was to evaluate the current and historical conditions of the subject property in an effort to identify *recognized environmental conditions* (RECs)¹, *historical recognized environmental conditions* (HRECs)², *controlled recognized environmental conditions* (CRECs)³, and *de minimis conditions*⁴ in connection with the subject property. Moreover, this practice may permit certain users of this Phase I ESA to satisfy environmental due diligence requirements to qualify for the bona fide

¹ ASTM Standard Practice E 1527-21 defines the term REC as (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.

² ASTM Standard Practice E 1527-21 defines the term HREC as a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations). A HREC is not a REC.

³ ASTM Standard Practice E 1527-21 defines the term CREC as a REC affecting the subject property resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority or authorities (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 or other property use limitations).

⁴ ASTM Standard Practice E 1527-21 defines the term de minimis condition as a condition related to a *release* that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. A condition determined to be a de minimis condition is not a REC nor a CREC.

prospective purchaser, contiguous landowner, or innocent landowner limitations under CERCLA, the Superfund Amendments and Reauthorization Act (SARA) of 1986, and the Small Business Liability and Brownfields Revitalization Act (Brownfields Amendments) of 2002. This Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for environmental conditions in connection with the subject property.

1.2 Scope of Services

AKT Peerless' scope-of-services is based on its proposal PS-34950, dated May 23, 2024, and the terms and conditions of that agreement. This Phase I ESA included the following:

- An inquiry of environmental conditions by an Environmental Professional.
- A review of specialized knowledge reported by the Client.
- A review of reasonably ascertainable and practically reviewable relevant public and historical records, including those maintained by federal, state, tribal, and local government agencies.
- Interviews with relevant regulatory officials and personnel associated or knowledgeable with the subject property, including as appropriate past and present owners, or neighbors if the subject property is abandoned.
- A reconnaissance of the subject property. The adjoining properties were observed from the subject property and from readily accessible public rights-of-way.

1.3 Limiting Conditions and Exceptions

During the course of a Phase I ESA, limiting conditions, data failures, or data gaps, may prevent adherence to certain aspects of ASTM Practice E 1527. In such cases, the limiting factors are discussed in the appropriate sections of this report.

Should additional information become available to the Client that differs significantly from our understanding of conditions presented in this report, AKT Peerless requests that such information be forwarded immediately to our attention, so that we may reassess the conclusions provided herein and amend this project's scope of services as necessary and appropriate.

1.4 Special Terms and Conditions

To the best of AKT Peerless' knowledge, no special terms or conditions, or client-imposed constraints, apply to the preparation of this Phase I ESA.

1.5 Reliance

AKT Peerless performed this Phase I ESA for the benefit of its Client, Saginaw Future, Inc. AKT Peerless acknowledges that this party may rely on the contents and conclusions presented in this report. Unless stated otherwise in writing, AKT Peerless makes no other warranty, representation, or extension of reliance upon the findings of this report to any other entity or third party. The information and opinions presented in this report are for the exclusive use of the Client. No distribution to or reliance by other parties may occur without the express written permission of the Client or AKT Peerless. AKT Peerless will not distribute this report without written consent from the Client, or as required by law or by a Court order.

2.0 User and/or Client Provided Information

In order to qualify for one of the LLPs offered by the Small Business Liability Relief and the Brownfields Amendments, a *User* must conduct certain inquiries as described in 40 CFR 312. If the Client intends to use ASTM Practice E 1527 to establish an LLP defense under CERCLA, then AAI requires that certain tasks be performed by - or on behalf of – that party. As appropriate, these inquiries must also be conducted by USEPA Brownfield Assessment and Characterization grantees. While such information is not required to be provided to the Environmental Professional, AKT Peerless requests this information from the Client in the form of a Questionnaire, Document Request Form, and Interviews as such information can assist the Environmental Professional in identifying environmental conditions.

AKT Peerless provided a Questionnaire and Document Request Form to Mr. Tim Dempsey of Saginaw Future, Inc. As appropriate, AKT Peerless conducted follow-up interviews with Mr. Dempsey. The following subsections summarize the information and responses provided by the Client. The completed Questionnaire is provided in **Appendix E**.

2.1 Environmental Liens or Activity and Use Limitations

ASTM Practice E 1527 Section 6.2 and AAI (40 CFR 312.20, 25, and 26) require that Users search recorded title and judicial records for registered Environmental Liens or/and Activity and Use Limitations (AULs). The User may rely on (1) transaction-related title insurance documentation (e.g., preliminary title reports and title commitments) or (2) title search information reports (e.g., conditions of title, title abstracts, and AUL/Environmental Lien reports). The results of the User's search should be communicated to the Environmental Professional. This search is in addition to the review of environmental liens and AULs registries (if any) conducted by the Environmental Professional.

The Client did not provide title insurance documentation or title search information, and the Client did not report: (1) environmental cleanup liens against the subject property that are filed or recorded under federal, tribal, state, or local law; (2) AULs, 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; or (3) recorded land title or judicial records.

2.2 Specialized Knowledge or Experience of the User

ASTM Practice E 1527 Section 6.3 and AAI (40 CFR 312.28) require that the User take into account their specialized knowledge to identify conditions indicative of releases or threatened releases associated with the subject property, and suggests this information be communicated to the Environmental Professional before the site reconnaissance, except as contained in the following reports, which document previous environmental investigations of the subject property:

- Phase I ESA, 234 Vacant Acres – Northwest Corner of Graham and Gratiot Roads, prepared in December 2009 by AKT Peerless

Refer to Section 4.4.5 for a summary of these environmental investigations.

2.3 Actual Knowledge of the User

ASTM Practice E 1527 Section 6.4 suggests that the User communicate actual knowledge of any environmental lien or AULs associated with the subject property to the Environmental Professional, and

suggests this information be communicated to the Environmental Professional before the site reconnaissance.

The Client did not report actual knowledge of environmental liens or AULs associated with the subject property.

2.4 Value Reduction Due to Contamination

For transactions involving the purchase of commercial real estate, ASTM Practice E 1527 Section 6.5 and AAI (40 CFR 312.29) require the User consider the relationship of the purchase price to the fair market value of the subject property as an indicator of potential contamination and make a written record of that explanation.

The Client did not report knowledge of, or reason to anticipate, a reduction in the value of the subject property for environmental issues.

2.5 Commonly Known or Reasonably Ascertainable Information

ASTM International Practice E 1527 Section 6.6 and AAI (40 CFR 312.30) require the User to take into account commonly known or reasonably ascertainable information within the local community about the subject property.

The Client did not report such commonly known or reasonably ascertainable information other than described in Section 2.2.

2.6 Presence or Likely Presence of Contamination

ASTM Practice E 1527 Section 6.7 and AAI (40 CFR 312.31) require the User to consider the degree of obviousness of the presence or likely presence of contamination at the subject property, and the ability to detect the contamination by appropriate investigation.

The Client did not report on the degree of obviousness of the presence or likely presence of contamination at the subject property or the ability to detect the contamination by appropriate investigations other than described in Section 2.2.

2.7 Reason for Performing this Phase I ESA

ASTM Practice E 1527 requires that the User provide the Environmental Professional with the reason for performing the Phase I ESA.

The Client reported that this Phase I ESA was conducted as part of environmental due diligence to meet program requirements of the MI Sites Program relating to potential site development.

3.0 Subject Property Description

3.1 Location and Legal Description

The subject property is located in the northeast of Section 29 in Thomas Township (T.12N. /R.03E.), Saginaw County, Michigan. The subject property consists of three contiguous parcels of land located on the northwest corner of Gratiot and North Graham Roads.

See the following table for additional subject property details. For ease of reference in this report, AKT Peerless has designated each of the subject property parcels with a letter. These designations have no relevance to legally recorded data about the subject property.

Subject Property Identifiers

Parcel	Address	Tax Identification Number	Owner of Record	Approximate Acreage
A	705 North Graham Road	28-12-3-29-1002-002	Economic Development Corporation – Saginaw Future	42.3
B	705 North Graham Road	28-12-3-29-1002-003	Economic Development Corporation – Saginaw Future	33.88
C	None associated	28-12-3-29-1001-003	Economic Development Corporation	38.6

Refer to Figure 1, Topographic Location Map; Figure 2, Subject Property Map; and Figure 2A, Subject Property Map. The legal descriptions of the subject property are presented in **Appendix A**. Photographs taken during AKT Peerless' subject property reconnaissance are provided in **Appendix B**.

3.2 Subject Property and Vicinity Characteristics

The subject property is currently classified Industrial-Vacant (302) and is located in an area of Thomas Township that is characterized by agricultural, residential, commercial, and light industrial properties, surface roadways, municipal sanitary sewer and water, and electrical and gas utilities.

3.3 Description of Structures and Other Improvements

The subject property is primarily structurally vacant, with landscaped areas along North Graham Road and Sunshine Drive. Parcel A contains a paved area with a natural gas generator and a municipal sewer lift station in the southeastern portion.

3.4 Current Use of the Subject Property

The subject property parcels are currently utilized for agricultural purposes.

3.5 Utilities and Municipal Services

AKT Peerless identified the type and supplier of utilities provided to the subject property. These services are described in the following table:

Subject Property Utility Data

Utility / Service	Type	Utility Company or Municipality	Comments/Historical Services
Heat	Natural gas	Consumers Energy	Natural gas is available to the subject property.
Potable water	Municipal	Thomas Township	Municipal water is available to the subject property.
Electricity	Electric lines/transformer	Consumers Energy	Electricity is connected to the subject property.
Sewage disposal	Municipal	Thomas Township	Municipal sanitary sewer is available to the subject property.
Storm water	Municipal	Saginaw County	Storm water utilities are available to the subject property.

3.6 Current Uses of the Adjoining Properties

The following table describes the current uses and/or occupants of the adjoining properties, as identified during this Phase I ESA:

Adjoining Property Data

Direction	Address	Current Use / Occupant
Northwest	1100 North Gleaner Road	Residential
North	11489 Sunshine Drive	Light industrial / Fullerton Tool Company - West
Northeast	1000 North Graham Road	Agricultural
East	11122 Sunshine Drive	Light industrial / Saginaw Control & Engineering
	None associated	Agricultural
	178 North Graham Road	Commercial / Saginaw Conservation District
	10950 Gratiot Road	Commercial / Mobil
Southeast	11020 Gratiot Road	Commercial / Greenstone Farm Credit Services
South	None associated	Agricultural
	11145 Gratiot Road	Agricultural
	None associated	Agricultural
	11200 Gratiot Road	Residential
	11265 Gratiot Road	Residential
	11285 Gratiot Road	Residential, agricultural
	11491 Gratiot Road	Residential

Direction	Address	Current Use / Occupant
Southwest	11515 Gratiot Road	Agricultural / Saginaw Valley Sod Farms
West	11580 Gratiot Road	Residential, agricultural
	530 North Gleaner Road	Residential
	None associated	Vacant lot
	820 North Gleaner Road	Residential
	900 North Gleaner Road	Residential

4.0 Records Review

The objective of the records review is to evaluate reasonably ascertainable databases, historical records, and physical setting records to help identify RECs at the subject property and, to the extent identifiable, at surrounding properties.

4.1 Physical Settings

AKT Peerless reviewed various available physical setting resources pertaining to the geologic, hydrogeologic, hydrologic, and topographic characteristics that may affect potential contaminant migration to the subject property, or within or from the subject property. The results of AKT Peerless' review are presented in the following table:

Physical Setting Data

General Topography and Hydrogeology		
Physical Setting Information		Data Resources
Subject Property Elevation	607 feet above the National Geodetic Vertical Datum	United States Geological Survey (USGS) Topographic Map of the Hemlock South Quadrangle (revised 2014) and third-party database report
Topographic Gradient	Generally flat	
Closest Surface Water	Unnamed pond located approximately 630 feet west	
Groundwater Depth	No known data points	USGS National Water Dashboard Online
General Soil and Geology		
Bedrock	Saginaw Formation Unit of an unassigned group which is included in the Pottsville Series within the Pennsylvanian System of the Paleozoic Era.	Michigan Department of Natural Resources (MDNR) Geological Survey Division's <i>Bedrock Geology of Southern Michigan</i> (1987)

General Topography and Hydrogeology		
Quaternary Soil Description	<p>Dune sand, described as pale brown, well sorted, fine to medium sand, chiefly quartz with some heavy minerals that occur in massive dune ridges parallel to present leeward shorelines, but also as parabolic dunes on former lake and outwash plains. These areas are subject to continued movement in blowouts where vegetation cover is disturbed, especially near present-day coasts. The thickness of this soil type ranges from 1 to 30 meters.</p> <p>Lacustrine clay and silt, described as gray to dark reddish brown and are varved in some localities. The soil chiefly underlies extensive, flat, low-lying areas formerly inundated by glacial Great Lakes. Soil thickness ranges from 10 to 30 feet. Typically, lacustrine clay and silt are associated with low hydraulic permeability and restrict the movement of groundwater.</p>	Michigan Geological Survey Division's publication, <i>Quaternary Geology of Southern Michigan</i> (1982)
County Soil Survey Description	Approximately 51% Pella-Frankenmuth complex, 0 to 4 percent slopes, described as poorly drained silt loam on till-floored lake plains; approximately 29% Sanilac very fine sandy loam, 1 to 3 percent slopes, described as somewhat poorly drained very fine sandy loam on lake plains; and less than 10% each of Pella silt loam, Frankenmuth very fine sandy loam, 0 to 1 percent slopes, Lenawee silty clay loam, 0 to 1 percent slopes, and Selfridge loamy sand, 0 to 3 percent slopes.	United States Department of Agriculture (USDA) Web Soil Survey
Site-Specific Geology and Hydrogeology		
Soil and bedrock characteristics	No site-specific soil or bedrock information was identified.	Not applicable
Groundwater characteristics	No site-specific groundwater information was identified.	Not applicable

Based on the information presented above, AKT Peerless infers that groundwater in the vicinity of the subject property flows toward the southeast, according to the topographical gradient. However, local manmade structures (e.g., buildings, roads, sewer systems, and utility service lines) may influence both

surface water and groundwater flow. AKT Peerless was not provided, and did not identify, documents that describe the known groundwater flow direction beneath the subject property. To determine the site-specific groundwater flow direction, subsurface information would be necessary.

AKT Peerless did not identify water supply wells or monitoring wells at the subject property. Groundwater from the area of the subject property does not serve as the primary drinking water source for properties in Thomas Township, which obtains its municipal water from Lake Huron.

4.2 Standard Environmental Record Resources

AKT Peerless retained a third-party vendor to provide current environmental database information compiled by a variety of federal and state regulatory agencies. The purpose of obtaining these data was to evaluate potential environmental releases associated with the subject property, adjoining properties, and nearby sites that are: (1) identified on target lists and (2) within varying distances of up to one mile from the subject property. Refer to the database report included as **Appendix C** for information regarding database descriptions, search radii, and most recent dates the database information was updated by the vendor.

4.2.1 Subject Property Listings

The database report does not identify the subject property on the referenced databases.

4.2.2 Adjoining Properties

The database report does not identify the adjoining properties on the referenced databases, except for the following:

Detail Table for Eastern Adjoining Property (180 North Graham Road)

Address	Name	Distance/Direction	Known/Inferred Groundwater Flow Direction:
180 North Graham Road 178 North Graham Road	M46 & M52 Saginaw Conservation District	Adjoining/east	Inferred southeast
Databases			
<u>Facility Information System/Facility Registry Service (FINDS/FRS)</u> <u>Integrated Compliance Information System (ICIS)</u> This adjoining property is listed in the ICIS database with one formal enforcement action. The Saginaw Conservation District manages several natural resources and this adjoining property is the administrative site. These listings do not pertain to any activities conducted on the eastern adjoining property.			
<u>Waste</u> This adjoining property is listed in the Waste Database System (WDS). No hazardous waste violations or enforcement actions were reported in the database listing.			
Further information regarding these database listings is presented in Section 4.3.			

Detail Table for Eastern Adjoining Property (10950 Gratiot Road)

Address	Name	Distance/Direction	Known/Inferred Groundwater Flow Direction:
10950 Gratiot Road	7-Eleven #36932 7-11	Adjoining/east	Inferred southeast
Databases			
<u>Baseline Environmental Assessment (BEA)</u> BEA 201301321 was completed on behalf of 7-Eleven #36932 in 2013. Contaminants of concern were not provided in the database listing.			
<u>Underground Storage Tank (UST)</u> Two 12,000-gallon gasoline USTs were installed January 3, 1990 and remain in use.			
<u>Leaking Underground Storage Tank (LUST)</u> Confirmed release REL-0066-13 was reported on May 31, 2013, which remains open.			
<u>Waste</u> This adjoining property is listed in the waste database. No hazardous waste violations or enforcement actions were reported in the database listing.			
Further information regarding these database listings is presented in Section 4.3.			

Detail Table for Eastern Adjoining Property (795 North Graham Road)

Address	Name	Distance/Direction	Known/Inferred Groundwater Flow Direction:
795 North Graham Road (historical address for 11122 Sunshine Drive)	Proposed Solar Park	Adjoining/east	Inferred southeast
Databases			
<u>Federal Brownfields (Fed Brownfields)</u> This adjoining property is identified in the brownfields database. According to the database listing, no cleanup was required.			
In AKT Peerless' opinion, this adjoining property does not represent an environmental concern to the subject property. A regulatory agency file review is not deemed warranted because (1) this site is not listed on databases indicative of a release or contamination, (2) no records of hazardous waste violations were identified in the database report, and (3) a review of regulatory agency file information, if any exists, would not likely provide additional information that would assist in determining if a REC, HREC, CREC, or de minimis condition exists at the subject property in connection with this adjoining property.			

4.2.3 Nearby Sites

AKT Peerless' review of the referenced databases also considered the potential or likelihood of contamination from nearby sites. To evaluate which of the nearby sites identified in the database report present an environmental risk to the subject property, AKT Peerless considered the following criteria:

- Type of database on which the site is identified.
- Topographic position of the identified site relative to the subject property.
- Direction and distance of the identified site from the subject property.
- Local soil conditions in the subject property area.
- Known or inferred groundwater flow direction in the subject property area.
- Status of the respective regulatory agency-required investigation(s) of the identified site, if any.
- Surface and subsurface obstructions and diversions (e.g., buildings, roads, sewer systems, utility service lines, rivers, lakes, and ditches) located between the identified site and the subject property.

Only those nearby sites that are judged to present a potential environmental risk to the subject property are further evaluated by reviewing agency file information. Using the above criteria and based upon a review of readily available information contained within the database report, AKT Peerless did not identify nearby sites that present a potential environmental risk to the subject property.

4.2.4 Unplottable Sites

AKT Peerless did not identify unplottable, orphan, or unmapped sites of concern that could not be accurately geo-coded by the third-party provider during review of the database report.

4.3 Regulatory Agency File and Records Review

In January 2020, the Michigan Department of Environment, Great Lakes, and Energy (EGLE) changed their Freedom of Information Act (FOIA) request policy. The revised policy includes an internal review of requested documents to evaluate the need for redactions (among other changes). This policy change has resulted in delays to the access of file information and a significant increase to FOIA fees. In some cases, these time and cost increases have made this information not *reasonably ascertainable* as defined in ASTM Practice E 1527. Regulatory file information that was not considered *reasonably ascertainable* is summarized in the appropriate sections below.

4.3.1 Michigan Department of Licensing and Regulatory Affairs (LARA)

AKT Peerless contacted LARA's Bureau of Fire Services to review available records regarding registered storage tanks associated with the subject property and select adjoining properties.

Subject Property

According to a response received, LARA does not have registered storage tank files for the subject property.

Adjoining Properties

LARA provided AKT Peerless with file information for the following adjoining properties:

7-Eleven #36932, 10950 Gratiot Road (eastern adjoining property)

LARA provided AKT Peerless with records for the western adjoining property. According to these records two 12,000-gallon gasoline USTs were installed in January 1990 and remain in use. Confirmed release REL-0066-13 was reported May 31, 2013 due to analytical data.

See Sections 4.3.2 and 4.3.3 for additional information.

4.3.2 EGLE Remediation and Redevelopment Division (RRD)

AKT Peerless reviewed the current Michigan Department of Environment, Great Lakes and Energy (EGLE) RRD's Perfected Lien List to determine if environmental cleanup liens had been filed against the subject property.

AKT Peerless also referenced the EGLE Remediation Information Data Exchange (RIDE) for information regarding the subject property and adjoining properties.

AKT Peerless reviewed EGLE's RIDE Mapper to determine if known land use restrictions have been filed against the subject property.

In addition, AKT Peerless submitted a request to the EGLE RRD to review available file information regarding USTs, LUSTs, or other environmental records pertaining to the subject property.

Subject Property

According to the Perfected Lien List dated July 22, 2024, EGLE does not have record of environmental cleanup liens filed against the subject property.

Based on a review of RIDE, confirmed releases associated with the subject property have not been reported to EGLE.

Land use restrictions associated with the subject property were not noted during AKT Peerless' review of EGLE's RIDE Mapper.

According to the EGLE RRD, no file information exists pertaining to the subject property.

Adjoining Properties

The following adjoining properties were identified on the RIDE database:

7-Eleven #36932, 10950 Gratiot Road (eastern adjoining property)

- Release REL-0066-13 was reported May 31, 2013 and remains open.

Eastern Adjoining Property EGLE RIDE UST Details

Tank ID	Installation Date	Tank Contents	Tank Capacity	Removal Date	Tank Status
1	01/03/1990	Gasoline	12,000 gallons	Not applicable	In use
2	01/03/1990	Gasoline	12,000 gallons	Not applicable	In use

The following file information was obtained from the EGLE RRD pertaining to this eastern adjoining property:

Proposed 7-Eleven Store No. 36932, Garb-Ko 133, 10950 Gratiot Road (eastern adjoining property)

BEA Report completed by AECOM, September 2013

A BEA was completed on behalf of 7-Eleven in September 2013. The BEA was completed subsequent to a Phase I ESA and Phase II ESA (subsurface investigation), completed by AKT Peerless in March and May 2013, respectively. At the time of the March 2013 Phase I ESA, the adjoining property was developed consistent with current conditions and was in use as a convenience store and gasoline filling station. AKT Peerless identified the following REC: (1) the use of the property as a gasoline filling station since 1990 with the potential for releases of petroleum.

A Phase II ESA was subsequently completed to assess the RECs. A total of five soil borings were advanced with the collection of three soil samples and four groundwater samples submitted for laboratory analysis of gasoline range organics, benzene, toluene, ethylbenzene, and xylenes (BTEX), trimethylbenzenes (TMBs), methyl tert-butyl ether (MTBE), volatile organic compounds (VOCs) and alcohols. According to laboratory analytical results, levels of benzene, n-butylbenzene, ethylbenzene, isopropyl benzene, naphthalene, n-propylbenzene, toluene, 1,2,4-TMB, 1,3,5-TMB, and xylenes in soil and groundwater exceeding the current EGLE Part 201 residential generic cleanup criteria (GCC). Based on laboratory analytical results, the adjoining property to the east meets the definition of a *facility*⁵, as defined in Part 201 of the NREPA, Michigan Public Act (PA) 451, 1994, as amended.

7-Eleven Store #36932, 10950 Gratiot Road (eastern adjoining property)

Part 213 Final Assessment Report, completed by AKT Peerless, May 2014

A confirmed release of petroleum was reported based on the results of the subsurface investigation summarized in the September 2013 BEA conducted by AECOM above. An Initial Assessment Report was completed by AKT Peerless August 2013, which included the subsurface investigation data summarized above.

In December 2013, AKT Peerless conducted site characterization activities which included the installation of eight groundwater monitoring wells and the advancement of three soil borings, with the collection of 12 soil samples submitted for laboratory analysis of VOCs. According to the laboratory analytical results, none of the analyzed constituents were detected in the December 2013 soil samples.

In May 2014, an additional two groundwater monitoring wells were advanced for a total of 10 groundwater monitoring wells advanced throughout the property. In May 2014, 14 groundwater samples were collected from all of the groundwater monitoring wells and were submitted for laboratory analysis of VOCs. According to the laboratory analytical results, naphthalene, 1,2,3-TMB, 1,3,5-TMB, and benzene were identified in groundwater exceeding the current EGLE Part 201 residential GCC. Based on

⁵ "Facility" means any area, place, or property where a hazardous substance in excess of the concentrations that satisfy the cleanup criteria for unrestricted residential use has been released, deposited, disposed of, or otherwise comes to be located.

laboratory analytical results, the adjoining property to the east meets the definition of a *facility*⁶, as defined in Part 201 of the NREPA, Michigan Public Act (PA) 451, 1994, as amended.

A September 2014 EGLE review of the Final Assessment Report found several deficiencies and EGLE RRD recommended corrective action and further evaluation.

In AKT Peerless' opinion, this adjoining property does not present an environmental concern to the subject property because (1) soil and groundwater samples collected closest to the subject property were not detected, indicating that contaminant migration is not occurring towards the subject property, and (2) the groundwater direction on this adjoining property was determined to be to the southeast, down gradient to the subject property.

4.3.3 EGLE Materials Management Division (MMD)

AKT Peerless submitted a request to the EGLE MMD to review available file information regarding waste management activities, permits, inspections and violations associated with the subject property.

AKT Peerless also reviewed the EGLE Waste Data System (WDS) for information regarding waste disposal operations at the subject property and select adjoining properties. The WDS tracks activities at facilities regulated by the Solid Waste, Scrap Tire, Hazardous Waste, and Liquid Industrial Waste (LIW) programs.

Subject Property

According to the EGLE MMD, no file information exists pertaining to the subject property. In addition, the subject property is not listed on the WDS database.

Adjoining Properties

The following information pertaining to the adjoining properties was provided by the EGLE WDS:

Saginaw Conservation District, 178 North Graham Road (eastern adjoining property)

This eastern adjoining property was evaluated under the Scrap Tire Program in 2021, 2022, 2023, and 2024. No violations or enforcement actions associated with this site were contained in the database.

In AKT Peerless' opinion, this site does not present an environmental concern to the subject property. A regulatory agency file review is not deemed warranted because (1) this site is not listed on any databases indicative of a release or contamination, (2) no records of any hazardous waste violations were identified in the database report or WDS database, and (3) a review of regulatory agency file information, if any exists, would not likely provide additional information that would assist in determining if a REC, HREC, CREC, or de minimis condition exists at the subject property in connection with this adjoining property.

⁶ "Facility" means any area, place, or property where a hazardous substance in excess of the concentrations that satisfy the cleanup criteria for unrestricted residential use has been released, deposited, disposed of, or otherwise comes to be located.

7-11, 10950 Gratiot Road (eastern adjoining property)

By 1970, the eastern adjoining property was listed as a Liquid Industrial Waste (LIW) Generator. No violations or enforcement actions associated with this site were contained in the database. It should be noted that 1970 is a default date used by the EGLE when a start date is not provided.

See section 4.3 for additional discussion.

4.3.4 EGLE Drinking Water and Environmental Health Division (DWEHD)

AKT Peerless submitted a request to the EGLE DWEHD to review available file information related to non-community water supplies, environmental health, compliance and enforcement, drinking water contamination investigations, and on-site wastewater associated with the subject property. According to the EGLE DWEHD, no file information exists pertaining to the subject property.

4.3.5 EGLE Oil, Gas, and Minerals Division (OGMD)

AKT Peerless reviewed EGLE's GeoWebFace online geologic mapping program for oil and gas well records associated with the subject property; however, no records were identified.

4.3.6 EGLE Water Resources Division (WRD)

AKT Peerless contacted the EGLE WRD to review available records regarding environmental information associated with the subject property. A response from the EGLE WRD indicated that no records for the subject property exist.

4.4 Additional Environmental Record Sources

4.4.1 Local Health Department

Mr. Chris Klawuhn of the Saginaw County Health Department provided AKT Peerless with a septic system permit issued to 705 North Graham Road in 2004; however, it was issued to a larger parent parcel that was previously associated with the same street address. The parcels of the subject property were split in 2011 and 2018. This septic system permit refers to the previous residential structure formerly located on the eastern adjoining property at 11122 Sunshine Drive.

4.4.2 Local Fire Department

According to a response received by Ms. Connie Watt, of Thomas Township, the Thomas Township Fire Department has no records or knowledge regarding storage tanks, releases, or incident reports for the subject property. Fire Chief Nick Chad reported that the subject property previously consisted of a working farm.

4.4.3 Building Department Records

AKT Peerless reviewed building records for the subject property from the Thomas Township Building Department. Records consisted of a sign permit issued to the subject property in 2018. No information that could indicate potential environmental concerns at the subject property was found in the records.

4.4.4 Assessing Department Records

AKT Peerless reviewed tax assessment records for the subject property from the Thomas Township Assessing Department. According to the records, the subject property parcels consist of structurally vacant land. Assessing records for Parcel A included building permit information for a lift station (issued

in April 2012), gas piping (issued April 2012), a pump station upgrade (issued February 2016), and a permit for an addition to an existing sign (issues October 2018).

No information that could indicate potential environmental concerns at the subject property was found in the records.

4.4.5 Previous Environmental Reports

AKT Peerless was provided with a copy of a previous environmental report associated with the subject property:

- Phase I ESA, 234 Vacant Acres – Northwest Corner of Graham and Gratiot Roads, prepared in December 2009 by AKT Peerless

The 2009 Phase I ESA included the subject property and other large tracts of vacant land. The subject property and the other large tracts of land were utilized for agricultural purposes. AKT Peerless did not identify any RECs or HRECs in association with the subject property.

4.5 Historical Research

The objective of reviewing historical resources is to: (1) develop a history of previous uses or specific occupancies of the subject property, (2) identify those uses or specific occupancies that are likely to have led to potential environmental concerns at the subject property, and to the extent identifiable, at adjoining properties, and (3) identify obvious uses of the subject property from the present, back to the first *obvious* developed use, or back to 1940, whichever is earlier.

Historical Summary – Subject Property

The subject property has been primarily structurally vacant and utilized for agricultural purposes from prior to 1937 to the present, except for two small barn structures that were located in the southeastern portion of Parcel B in association with an adjoining property (11200 Gratiot Road) in at least 1937 to 1941. These structures were removed by 1950 and the subject property has been structurally vacant and utilized for agricultural purposes since 1950. The existing sewer infrastructure was installed on the subject property in the early to mid-2010s.

AKT Peerless was unable to determine the use of the subject property prior to 1937. As such, AKT Peerless was unable to identify the first developed use of the subject property and was therefore unable to achieve the historical research objectives identified in ASTM Practice E 1527 even after reviewing the standard historical resources that were reasonably ascertainable and likely to be useful. This data failure is not considered likely to have a material impact upon the findings and conclusions of this report and, therefore, does not constitute a significant data gap.

Historical Summary – Adjoining Properties

The adjoining properties have included agricultural land as well as various residential and commercial developments since at least 1937.

4.5.1 Aerial Photographs

AKT Peerless obtained aerial photographs for the subject property from Environmental Risk Information Services (ERIS). AKT Peerless' observations noted during the review of these photographs are

summarized in the following table. Photocopies of reviewed aerial photographs with associated resource references are presented as **Appendix D**.

Subject Property Aerial Photography Summary

Photograph Dates	Observations	Potential Environmental Concerns
1937, 1941	Parcel A appears structurally vacant and utilized for agricultural purposes. Parcel B appears developed with two barns in the southeastern portion in association with an adjoining property (11200 Gratiot Road). The southern portion of Parcel B appears to be utilized for agricultural purposes; the northern portion appears heavily wooded. Parcel C appears predominately heavily wooded and not utilized for any discernable purpose.	None observed
1950, 1954	The subject property appears structurally vacant. Parcel A appears utilized for agricultural purposes. The southern portion of Parcel B appears utilized for agricultural purposes; the northern portion appears heavily wooded. Parcel C appears predominately heavily wooded and not utilized for any discernable purpose.	None observed
1963, 1974, 1983, 1992, 1998, 2005, 2006, 2009, 2010	The subject property appears structurally vacant. Parcel A appears utilized for agricultural purposes. The southern portion of Parcel B appears to be utilized for agricultural purposes; the northern portion appears heavily wooded. Parcel C appears primarily utilized for agricultural purposes with a heavily wooded section along the western portion.	None observed
2012	Parcels A, B, and most of Parcel C appear to be structurally vacant and utilized for agricultural purposes. The southeastern portion of Parcel A has been improved with electrical infrastructure and a pump station. Road improvements on North Graham Road and the addition of Sunshine Drive have been made with corresponding landscaped areas along North Graham Road and along Sunshine Drive.	None observed
2014, 2016, 2018, 2020	Parcels A, B, and most of Parcel C appear to be utilized for agricultural purposes with landscaped areas along North Graham Road and Sunshine Drive. The southeastern portion of Parcel A has been improved with the existing sewer infrastructure.	None observed

AKT Peerless' review of historical aerial photographs of the adjoining properties is summarized in the following table:

Adjoining Property Aerial Photography Summary

Photograph Dates	Potential Environmental Concerns
1937 – 2020	<p>No obvious evidence or indications of environmental concerns were noted with respect to the adjoining properties and nearby sites during AKT Peerless' review of the referenced aerial photographs, except for the following:</p> <ul style="list-style-type: none"> • The eastern adjoining property (11122 Sunshine Drive) appears developed with a residential structure and barn from the 1937 to 2010 aerial photographs, and developed with the current structure in the 2020 aerial photograph. • The eastern adjoining property (178 North Graham Road) appears developed with the current commercial structure beginning in the 1992 aerial photograph. • The eastern adjoining property (10950 Gratiot Road) appears developed with a gasoline filling station beginning in the 1992 aerial photograph. <p>See Section 4.3 for additional discussion.</p>

4.5.2 Fire Insurance Maps

AKT Peerless' research did not identify historical fire insurance map coverage of the subject property or adjoining properties.

4.5.3 City Directories

Local street directory information from various years published between 1927 through 2023 was obtained from ERIS. The purpose of this review was to determine the past occupancy of the subject property. Directories were reviewed in approximately five-year intervals, or as available. Photocopies of the reviewed local street directories with associated resource references are presented in **Appendix E**. Information obtained from the reviewed directories is summarized in the following table:

Local Street Directory Data

Year	Address	Listing
1927 – 1995	Street or address not listed	No listings
1997 – 2003	705 North Graham Road	Residential
2008 – 2023	Address not listed	No listings

Adjoining property listings consist of various commercial listings over time. No obvious environmental concerns were identified, except for the following:

- 11122 Sunshine Drive, eastern adjoining property is not listed in city directory coverage.
- 178 North Graham Road, eastern adjoining property is listed as Saginaw Soil Conservation and U.S. Consolidated Farm Service Agency in the 1997 through 2003 directories; as Farm Service Agency, Saginaw Conservation District, and U.S. Consolidated Farm Service Agency in the 2008 directory; as Farm Service Agency, Saginaw Conservation District, U.S. Agricultural Department,

and U.S. Consolidated Farm Service Agency in the 2012 directory; as Natural Resources Conservation, Saginaw Conservation District, U.S. Agricultural Department, and U.S. Consolidated Farm Service Agency in the 2016 directory; and as Natural Resources Conservation and U.S. Agricultural Department in the 2020 through 2023 directories.

- 10950 Gratiot Road, eastern adjoining property is listed as 7-Eleven Food Store in the 1997 through 2016 directories, and as 7-Eleven and Mobil in the 2020 through 2023 directories.

See Section 4.3 for additional discussion.

4.5.4 Topographic Maps

AKT Peerless reviewed historical topographic maps depicting the subject property from HistoricAerials.com. AKT Peerless' observations noted during the review of these maps are summarized in the following table.

Subject Property Historical Topographic Map Summary

Map Dates	Observations	Potential Environmental Concerns
1917, 1950, 1978, 2014, 2017	The subject property is depicted as structurally vacant.	None observed

AKT Peerless' review of historical topographic maps of the adjoining properties is summarized in the following table:

Adjoining Property Historical Topographic Map Summary

Map Dates	Potential Environmental Concerns
1917 – 2017	No obvious evidence or indications of environmental concerns were noted with respect to the adjoining properties and nearby sites during AKT Peerless' review of the referenced historical topographic maps.

4.5.5 Land Title Records

Unless otherwise noted, AKT Peerless did not identify or research, and was not provided by the Client, land title records associated with the subject property.

4.5.6 Other Historical Resources

AKT Peerless did not identify other historical resources with relevant information pertaining to the subject property.

5.0 Interviews

5.1 Interview with Subject Property Owner

AKT Peerless interviewed Mr. Tim Dempsey of Saginaw Future regarding his knowledge of the subject property and provided an owner questionnaire. Mr. Dempsey has been familiar with the subject property for one year. Mr. Dempsey reported that municipal water and sewer are available to the subject property. Mr. Dempsey reported that the western, wooded portion of Parcel C is a designated wetland. No information was reported that would be considered material to identifying RECs in connection with the subject property. A copy of the completed owner questionnaire is presented in **Appendix E**.

5.2 Interview with Key Site Manager

Refer to Section 5.1.

5.3 Interview with Subject Property Occupants and Operators

The subject property is unoccupied.

5.4 Interview(s) with Others

AKT Peerless did not conduct interviews with others during this assessment because the historical use of the subject property has been identified. Further, interviews with the occupants of adjoining and nearby properties were not conducted because the subject property is not considered abandoned, as referenced by ASTM International.

6.0 Subject Property Reconnaissance

6.1 Methodology and Limiting Conditions

The subject property reconnaissance consisted of visual and physical observations of the subject property. AKT Peerless visually and/or physically observed the subject property as well as the interior and periphery of structures. AKT Peerless' reconnaissance methodology was designed to identify and document RECs, CRECs, and *de minimis* conditions associated with the subject property based on the use in concert with other relevant information gathered during this Phase I ESA. In addition, AKT Peerless observed adjoining properties from the subject property and adjacent public thoroughfares.

Ms. Emily Kreusch of AKT Peerless conducted the subject property reconnaissance on October 11, 2024. AKT Peerless encountered the following project specific facts or conditions that limited our ability to access or inspect the subject property:

- Visual observation of the subject property was limited by the presence of agricultural crops.

Historical use of the subject property appeared to be limited to agricultural operations and likely did not involve storage, usage, or disposal of hazardous materials; therefore, lack of access to the subject property is not believed to alter the conclusions of this ESA.

6.2 General Subject Property Setting and Operations

The subject property is primarily structurally vacant and utilized for agricultural use, with areas of landscaping and fencing along North Graham Road and Sunshine Drive. Parcel A contains a paved area with a natural gas generator and a municipal sewer lift station in the southeastern portion. Utilities including electricity, natural gas, and cable are located along Sunshine Drive.

6.3 Observations

6.3.1 Hazardous Substances and Petroleum Products

AKT Peerless did not observe hazardous substances or petroleum products (including wastes) at the subject property.

6.3.2 Storage Tanks

AKT Peerless did not observe evidence of current or former underground storage tank (UST) systems (e.g., vent pipes, fill ports, dispensing pumps, patched pavement, etc.) at the subject property.

AKT Peerless did not observe evidence of current or former aboveground storage tank (AST) systems (e.g., stands, secondary containments, etc.) at the subject property.

6.3.3 Strong, Pungent, or Noxious Odors

AKT Peerless did not observe evidence of strong, pungent, or noxious odors.

6.3.4 Unidentified Substance Containers

AKT Peerless did not observe evidence of unidentified substances or other suspect containers on the subject property.

6.3.5 Potential Polychlorinated Biphenyl (PCB) Containing Electrical or Hydraulic Equipment

AKT Peerless inspected the subject property for the presence of electrical or hydraulic equipment known or likely to contain PCBs. AKT Peerless did not observe suspect PCB-containing electrical or hydraulic equipment at the subject property, except for the following:

Potential PCB-Containing Electrical Equipment

Source Description	Source Location	Responsibility	Observations
One pole-mounted transformer	Southern portion of Parcel B	Consumers Energy	No evidence of a release
Three pole-mounted transformers	Eastern portion of Parcel A	Consumers Energy	No evidence of a release
One pole-mounted transformer	Northeastern corner Parcel A	Consumers Energy	No evidence of a release
Pad-mounted transformer	Eastern portion of Parcel C	Consumers Energy	No evidence of a release

6.3.6 Interior Staining/Corrosion

There are no structures at the subject property; therefore, this section does not apply.

6.3.7 Drains and Sumps

There are no structures at the subject property; therefore, this section does not apply.

6.3.8 Water/Wastewater Discharges

AKT Peerless did not observe evidence of wastewater or other liquid (including storm water) discharges containing hazardous substances or petroleum products at the subject property.

Storm water that falls upon the subject property appears to evaporate, infiltrate directly into the ground, or discharge to storm water drains located along North Graham Road and Sunshine Drive.

6.3.9 Standing Water, Pools, Waste Pits, Ponds, and Lagoons

AKT Peerless did not observe standing water, pools, sumps, pits, ponds, or lagoons containing liquids considered likely to contain hazardous substances or petroleum products at the subject property.

6.3.10 Solid Waste Dumping/Landfills

AKT Peerless did not observe evidence of areas apparently graded by non-natural causes, fill material of an unknown origin, debris (construction or demolition), solid waste dumping or landfilling, or irregular mounds or depressions at the subject property.

6.3.11 Stained Soil, Stressed Vegetation, Stained Pavement

AKT Peerless did not observe evidence of stained soil, stressed vegetation, or stained pavement at the subject property.

6.3.12 Well and Septic Systems

AKT Peerless did not observe physical evidence of drinking water wells, septic systems, or cesspools at the subject property.

6.3.13 Other Observations

AKT Peerless did not observe evidence of other potential environmental concerns at the subject property.

AKT Peerless observed a municipal sewer lift station and natural gas generator located on the southeastern portion of Parcel A. No environmental concerns were observed.

6.3.14 Adjoining Properties

Based on AKT Peerless' visual observations, the current uses of the adjoining properties do not appear to pose an environmental concern to the subject property, except for the gasoline filling station located on the eastern adjoining property (10950 Gratiot Road). See Section 4.3 for additional discussion.

In addition, AKT Peerless observed light industrial operations located on the northern adjoining property (11489 Sunshine Drive) and eastern adjoining property (11122 Sunshine Drive). These adjoining properties do not currently present an environmental concern to the subject property because no environmental records indicating the presence of subsurface contamination were identified during the course of this assessment.

6.4 Non-ASTM International E 1527 Scope Considerations

AKT Peerless did not evaluate any other potential environmental conditions (i.e., further areas of possible business/environmental concern and/or liability) that are outside the scope of ASTM Practice E 1527. Examples of such potential environmental conditions that were beyond the scope of this Phase I ESA include: asbestos containing materials (ACMs), biological agents, cultural and historic resources, ecological resources, endangered species, health and safety, indoor air quality, industrial hygiene, lead-based paints (LBPs), lead in drinking water, moisture intrusion/suspect mold or microbial growth, noise pollution, naturally-occurring radon, regulatory compliance/non-compliance, substances not defined as CERCLA hazardous substances, and/or wetlands.

Users of this document who wish to obtain an evaluation of the subject property relative to any of the aforementioned non-ASTM Practice E 1527 scope considerations may contact AKT Peerless to retain these services.

7.0 Findings, Opinions, and Conclusions

AKT Peerless has performed a Phase I ESA in conformance with the scope and limitations of ASTM International Practice E 1527-21 of Three parcels on the northwest corner of North Graham and Gratiot Roads, Thomas Township, Saginaw County, Michigan, the subject property. Any exceptions to, or deletions from, this practice are described in Section 8.0 of this report. AKT Peerless' findings and opinions with respect to potential RECs are presented throughout this report, including discussion and analysis of potential RECs that, after further consideration and research, were not determined to be RECs, HRECs, or CRECs. Such findings and opinions are discussed in the appropriate sections of this report.

7.1 Recognized Environmental Conditions

This assessment has revealed no evidence of known RECs in connection with the subject property.

7.2 Controlled Recognized Environmental Conditions

This assessment has revealed no evidence of known CRECs in connection with the subject property.

7.3 Historical Recognized Environmental Conditions

This assessment has revealed no evidence of known HRECs in connection with the subject property.

7.4 De Minimis Conditions

During the course of Phase I ESAs, AKT Peerless often encounters conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. These conditions are not considered RECs, HRECs, or CRECs, but are defined by ASTM Practice E 1527 as *de minimis* conditions. In the interest of brevity, AKT Peerless did not develop a full list of *de minimis* conditions in this section, rather evaluated and identified these conditions in the appropriate sections of this report.

7.5 Significant Data Gaps

A data gap is a lack of, or inability to, obtain required information during the course of a Phase I ESA. AKT Peerless summarized data gaps, if identified, in the appropriate section of this report related to the source of information. A significant data gap is a data gap that affects AKT Peerless' ability to identify RECs. This assessment has revealed no instances of significant data gaps in connection with the subject property.

7.6 Other Notable Environmental Considerations

AKT Peerless' Phase I ESAs occasionally reveal other notable environmental considerations that may be relevant to the condition of the subject property that do not qualify as RECs, CRECs, HRECs, or *de minimis* conditions. AKT Peerless did not identify other notable environmental considerations during this assessment.

8.0 Deviations

AKT Peerless did not deviate from ASTM International Practice E 1527 when performing this Phase I ESA (i.e., no components of that practice were deleted and no additions to it were made).

9.0 Project Resources and References

AKT Peerless referred to the following resources between October 2, 2024 and October 21, 2024 to complete its Phase I ESA:

- United States Environmental Protection Agency (USEPA)
- United States Geological Survey (USGS)
- United States Department of Agriculture (USDA)
- Michigan Department of Environment, Great Lakes, and Energy (EGLE)
- Saginaw County Health Department
- Thomas Township Government Sources (e.g., assessing, building, fire, engineering departments, etc.)

- Environmental Risk Information Services (ERIS)
- Interviews and Questionnaire Responses
- Previous environmental assessments

Individual resources obtained from the referenced sources are cited in the appropriate sections of this report.

10.0 Continued Viability Evaluation

As described in Section 4.6 of ASTM Practice E 1527, a Phase I ESA meeting or exceeding the ASTM standard practice is presumed to be viable when conducted within 180 days prior to the date of property acquisition, lease, or refinance. Certain components of the Phase I ESA may be updated within one year. The completion dates of those components are summarized in the following table:

Continued Viability Evaluation

Critical Component	Completion Date
State and Federal Database Report	October 4, 2024
Government Records Review	October 7, 2024
Interviews	October 3, 2024
Site Inspection	October 11, 2024
Environmental Professional Declaration	October 21, 2024

11.0 Signatures of Environmental Professionals

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in Section 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.



Jeff Carr
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The following other consultants contributed to the completion of this report under the supervision and responsible charge of the above-identified environmental professional(s):



Emily Kreusch
Environmental Consultant
AKT Peerless
Saginaw, Michigan Office



Qualifications

Jeff S. Carr

Group Leader – Project Manager

Mr. Carr has over 18 years of experience in environmental due diligence and assessment, environmental response activities, remediation, corrective action, and regulatory compliance management.

EDUCATION

BS: Environmental Resource Planning, 2005 / University of Michigan, Flint

LICENSES/REGISTRATIONS

State of Michigan Asbestos Building Inspector / Accreditation #A36083

OSHA 29 CFR 1910.120 / 40 and 8 Hour Refresher HAZWOPER Training

Certified Storm Water (Industrial Site) / Management Operator by the Michigan Department of Environmental Quality (Certification # I-10223)

CPR and First Aid Certification

PROFESSIONAL EXPERIENCE

Group Leader – Project Manager

AKT Peerless Environmental Services (2015-Present)

Environmental Consultant

AKT Peerless Environmental Services (2011-2015)

Project Manager

Applied Ecosystems-Great Lakes, Inc. (2005-2011)

AREA OF EXPERTISE

Environmental Due Diligence

Eighteen plus years of managing, coordinating, and evaluating potential risk at hundreds of commercial, industrial, and residential properties.

Remediation and Brownfield Redevelopment

Managing and coordinating field investigations including soil, groundwater, and soil gas sampling and the evaluation of the data to identify cost effective options that allow for the safe use and/or redevelopment of contaminated properties.

Jeff S. Carr

Group Leader – Project Manager

SUMMARY OF SELECTED PROJECTS

Genesee County Parks Department

Year: 2019-2022

Location: Flint, Michigan

Served with a team of engineers, developers, and other stakeholders to evaluate the environmental condition of a 1.25-mile stretch of the Flint River, located in downtown Flint, Michigan. As part of a proposed riparian redevelopment along the Flint River, Mr. Carr served as the project lead related to environmental assessments. Assessments included analysis of groundwater, sediment, soil, and surface water in order to identify any potential exposure risks related to potential contaminants. Information obtained from AKT Peerless' assessments were used by the project team to development appropriate site development plans based on the environmental conditions at the property. The project will convert a largely inaccessible stretch of the Flint River into a safer and more natural waterway. Construction is expected to begin in 2023.

Communities First, Inc.

Year: 2016-2019

Location: Flint, Michigan

Served the prospective developer to conduct pre-purchase environmental due diligence as part of funding through MSHDA, using the LIHTC program. The property consisted of an unoccupied and dilapidated, 25,000-square foot school building, formerly known as Coolidge Elementary School, when the project was initiated. Mr. Carr served as the project lead related for all the environmental assessments completed between 2016-2019. Assessments included Phase I and II ESAs, a BEA, Response Activity Plan, Documentation of Due Care Compliance, lead-based paint survey, and asbestos containing materials survey. AKT Peerless requested EGLE to review the Response Activity Plan and Documentation of Due Care Compliance, both of which were approved by EGLE. Upon completion of the assessments, Communities First, Inc. successfully secured funding through MSHDA for the purchase and redevelopment of this property. Today, the property consists of the renovated former Coolidge Elementary School and a new multi-story mixed-use building, known as Coolidge Park Apartments.

Hutson, Inc.

Year: 2021-Present

Location: 18 Sites Throughout Michigan

Served the prospective developer to conduct pre-purchase environmental due diligence on 18 properties throughout Michigan. The nature of business correlated with property acquisitions that included filling stations, automotive repair stations, manufacturing facilities, heavy equipment maintenance operations, and automotive dealerships. Mr. Carr served as the project lead for all environmental assessments completed since 2021. Assessments included Phase I and II ESAs, BEAs, Due Care Compliance, UST removal and assessment, remedial excavations, vapor intrusion investigations, as well as the design and installation of vapor mitigation systems. Upon completion of the assessments, Hutson, Inc. was successful in securing funding for the purchase and redevelopment of these properties. Today, these properties are in operation for retail agricultural use.

Jacquelyn Luta

Environmental Consultant

Ms. Luta has over 30 years of consulting experience in environmental assessment, conducting hundreds of investigations to evaluate the presence, nature, and extent of environmental impact on soil, groundwater, and air. Ms. Luta is proficient in environmental laboratory analysis, environmental data evaluation and analytical quality control program design and management.

EDUCATION

BS: Physical Science, 1999 / California State University, East Bay, California
AS: Chemistry, 1982 / Delta College, University Center, Michigan

LICENSES/REGISTRATIONS

OSHA 29 CFR 1910.120 / 40 Hour HAZWOPER Training and 8-Hour Refresher
CPR and First Aid Certification

PROFESSIONAL EXPERIENCE

Environmental Consultant

AKT Peerless Environmental Services

Senior Environmental Project Manager

Air Toxics Laboratory

Senior Environmental Chemist

Environmental Resources Management

Senior Environmental Chemist

Tetra Tech EM Inc.

Environmental Data Validation Chemist

ICF International

Environmental Chemist

Parsons / Engineering Science Laboratory

Jacquelyn Luta

Environmental Consultant

AREA OF EXPERTISE

Environmental Due Diligence

Phase I & II Environmental Site Assessments to meet or exceed ASTM standards in evaluating potential risk at hundreds of commercial, industrial, and residential properties collectively. Includes coordinating and conducting historical research, interviews, site reconnaissance, and technical writing. Coordinate and conduct historical research, interviews, site reconnaissance, and technical writing. Site Investigation activities associated with leaking underground storage tank sites. Maintain direct client and regulatory agency contact.

Laboratory Analytical Interpretation and Data Validation

Analytical laboratory data quality control / quality assurance specialist. Interpretation of laboratory analytical results and technical report writing. Environmental analytical laboratory program design and management. Environmental laboratory data validation program design and management.

SUMMARY OF SELECTED PROJECTS

YMCA of Saginaw

Year: 2023

Location: 1915 Fordney Street, Saginaw, Michigan

Hutson, Inc. of Michigan

Year: 2021

Location: 1365 East Monroe Road, St. Louis, Michigan

Communities First, Inc.

Year: 2021

Location: Baker College Campus, Flint, Michigan

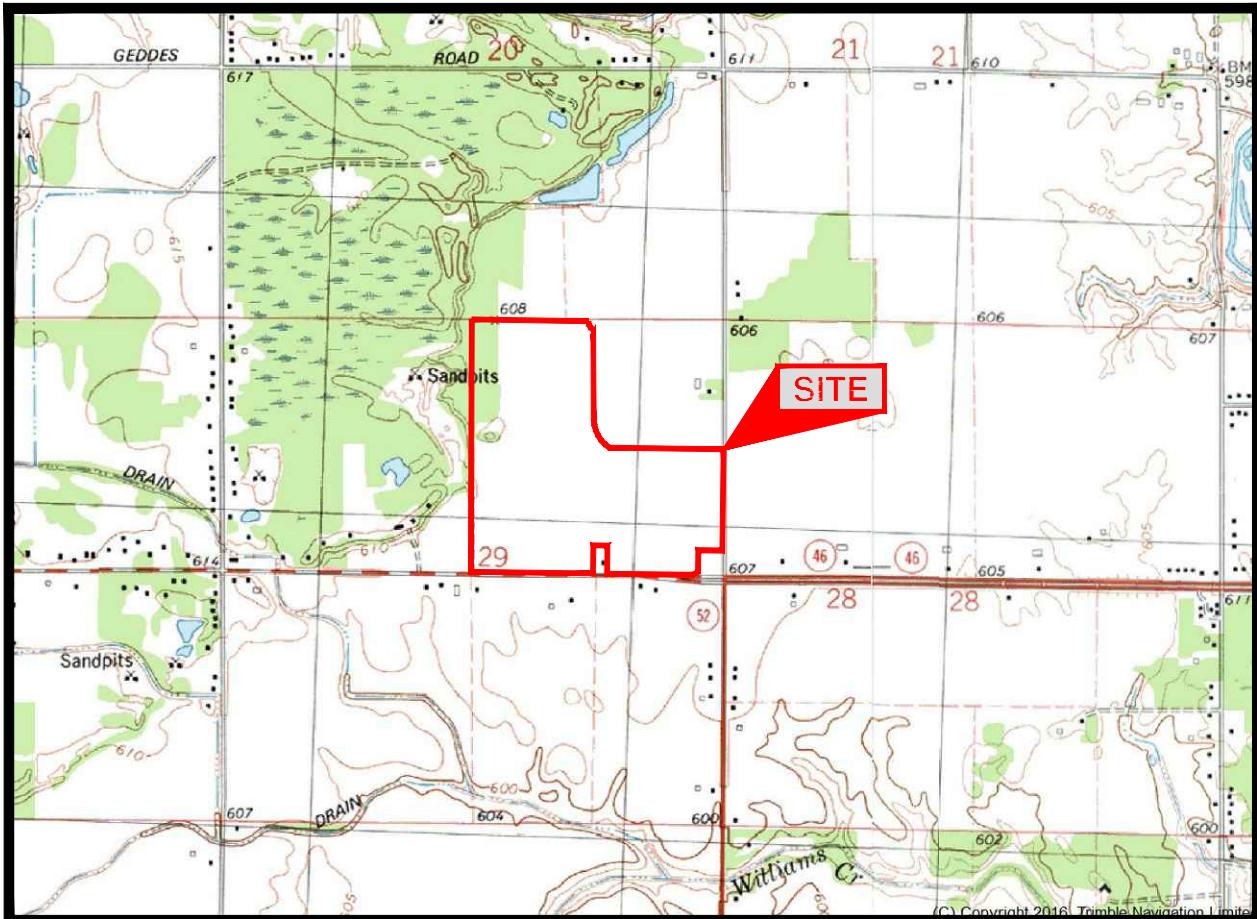
Department of Transportation, Management, and Budget / Michigan Department of Environment, Great Lakes, and Energy

Year: 2021

Location: 110 Pearson Street, Beaverton, Michigan

Figures

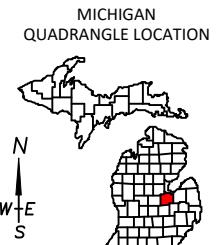
HEMLOCK QUADRANGLE
MICHIGAN - SAGINAW COUNTY
7.5 MINUTE SERIES (TOPOGRAPHIC)



T.12 N.-R.3 E.



IMAGE TAKEN FROM 1975 U.S.G.S. TOPOGRAPHIC MAP

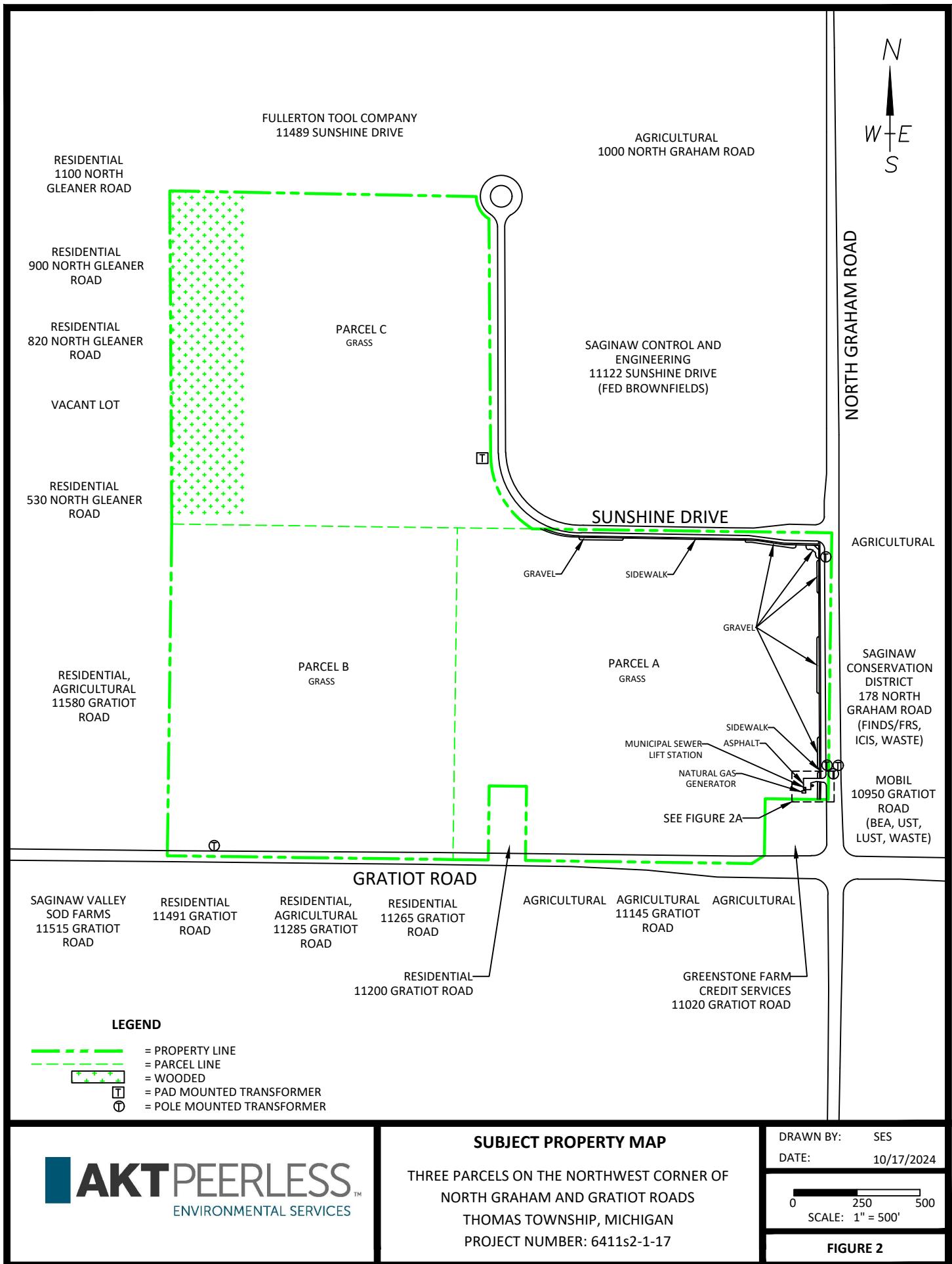


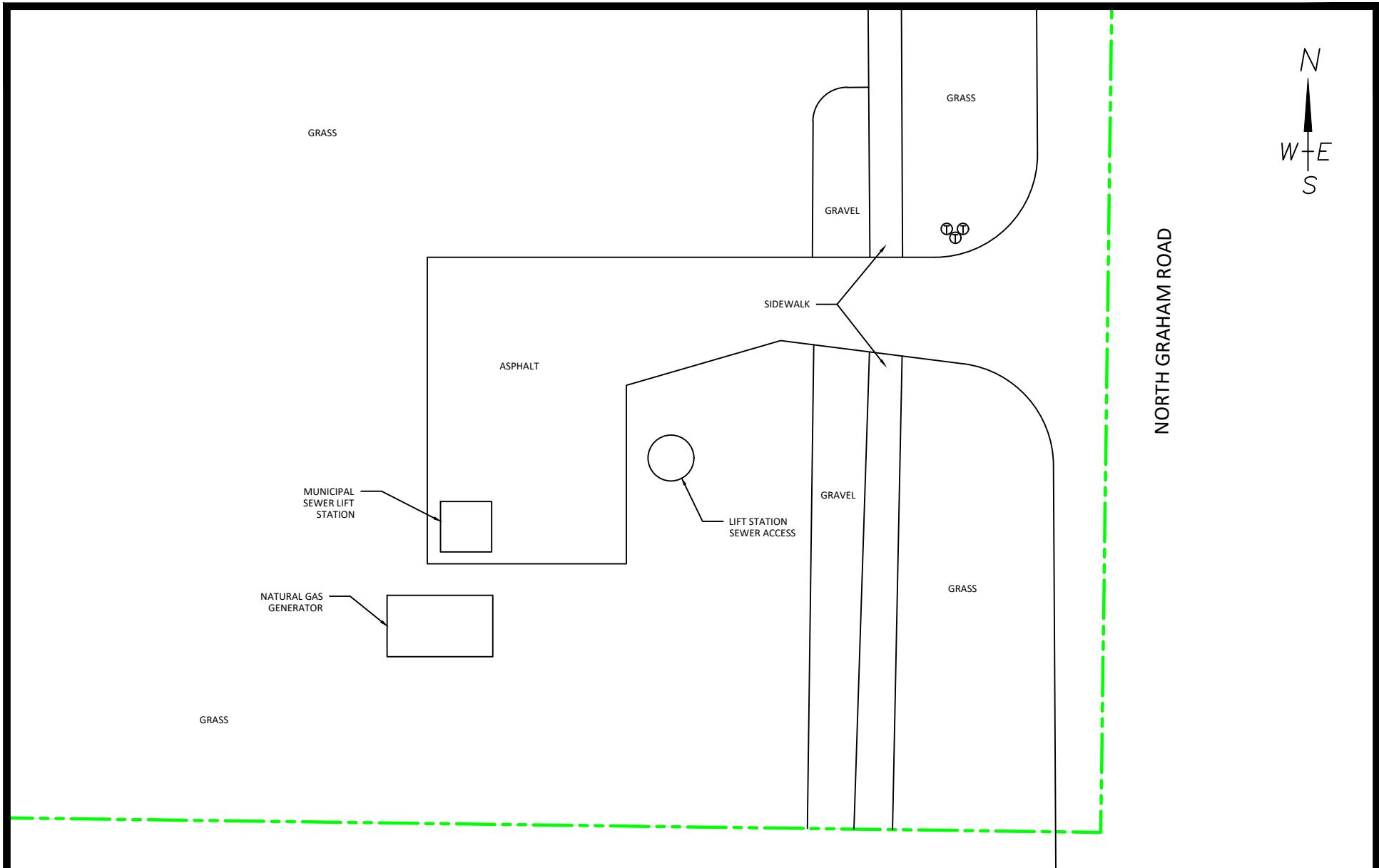
AKT PEERLESS
ENVIRONMENTAL SERVICES

TOPOGRAPHIC LOCATION MAP
THREE PARCELS ON THE NORTHWEST CORNER OF
NORTH GRAHAM AND GRATIOT ROADS
THOMAS TOWNSHIP, MICHIGAN
PROJECT NUMBER: 6411s2-1-17

DRAWN BY: SES
DATE: 10/17/2024

FIGURE 1





AKT PEERLESS
ENVIRONMENTAL SERVICES

SUBJECT PROPERTY MAP
THREE PARCELS ON THE NORTHWEST CORNER OF
NORTH GRAHAM AND GRATIOT ROADS
THOMAS TOWNSHIP, MICHIGAN
PROJECT NUMBER: 6411s2-1-17

LEGEND
— = PROPERTY LINE
① = POLE MOUNTED TRANSFORMER

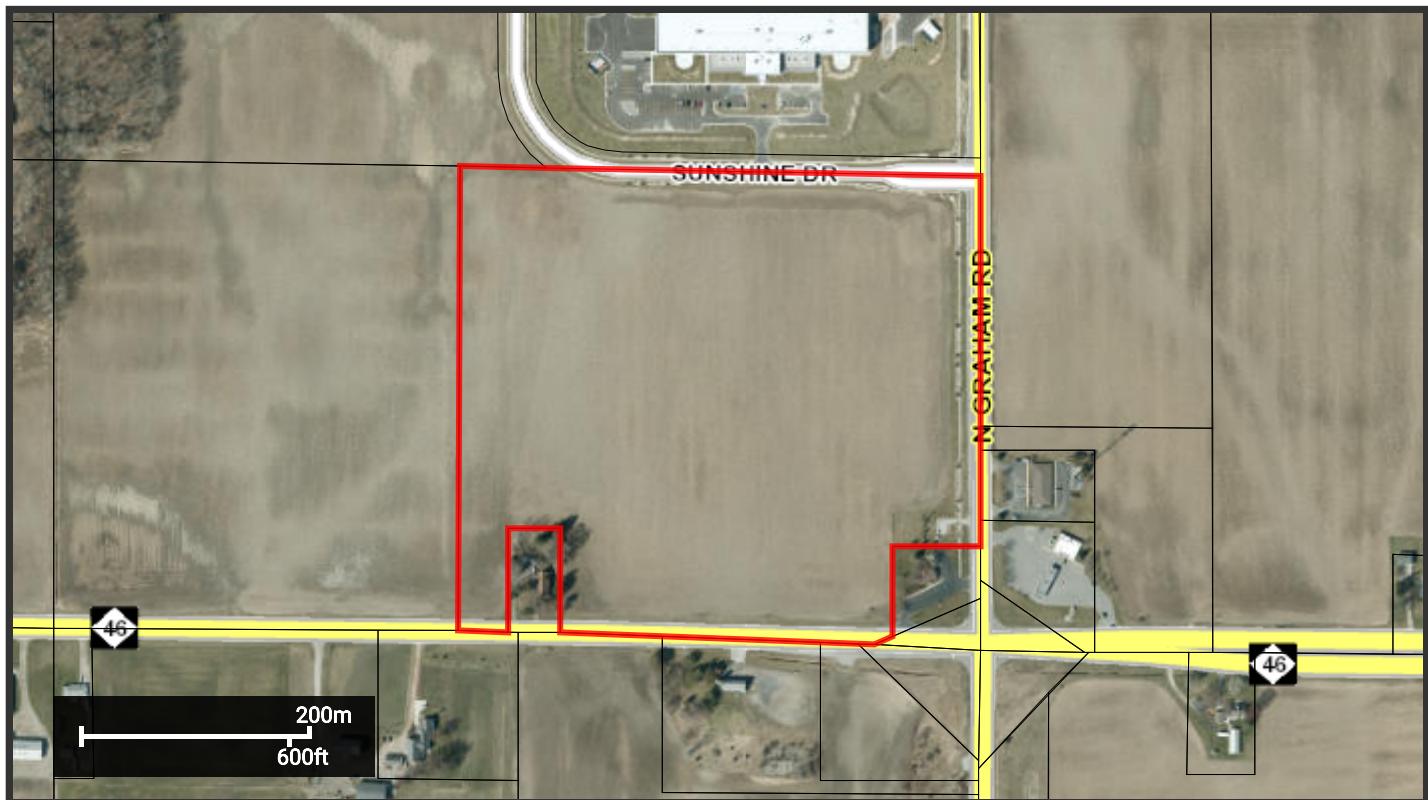
DRAWN BY: SES
DATE: 10/17/2024

0 10 20
SCALE: 1" = 20'

FIGURE 2A

Appendix A

Property Description and Parcel Map



Property Address

705 N GRAHAM RD

SAGINAW, MI, 48609



Owner Address

ECONOMIC DEVELOPMENT CORPORATION

SAGINAW FUTURE

515 N WASHINGTON, 3RD FLOOR

SAGINAW, MI 48607

Unit:	28
Unit Name:	THOMAS TOWNSHIP

General Information for 2024 Tax Year

<u>Parcel Number:</u>	28-12-3-29-1002-002
Tax Status:	TAXABLE
<u>Property Class:</u>	302
<u>Class Name:</u>	INDUSTRIAL-VACANT
<u>School Dist Code:</u>	73210
<u>School Dist Name:</u>	HEMLOCK PUBLIC SCHOOL DIST
PRE 2023:	100%
PRE 2024:	100%

Assessed Value:	\$136,600
Taxable Value:	\$94,001
State Equalized Value:	\$136,600

PRE 2025 Tentative:	100%
PRE Date:	06-15-2011

Prev Year Info

Prev Year Info	MBOR Assessed	Final SEV	Final Taxable
2023	\$142,500	\$142,500	\$89,525
2022	\$142,500	\$142,500	\$85,262

Land Information

Acreage:	42.3
Zoning:	SOLAR TECH

Additional Land Information

Frontage:	0.00
Depth:	0.00
Land Value:	\$273202
Land Improvements:	\$0

Pool Type:	
Pool Area:	0
Pool Year Built:	0

Tax Description

COM AT E 1/4 CORN OF SEC 29 TH W 300 FT TO POB TH CONT W 898 FT TH N 294.32 FT TH W 148 FT TH S 294.32 FT TH W 139.84 FT TH N 1315.99 FT TH E 1485.98 FT TH S 1058.08 FT TH W 250.03 TH S 225.04 FT TH S63DEG W 55.54 FT TO POB - 42.30 ACRES SEC 29 T12N R3E *** NEW SPLIT FROM PARENT 1002-000
05-13-2011

Sales Information

Sale Date: 09-15-2011

Sale Price: 0
Instrument: WD
Grantor: FAUCHER INVESTMENTS
Grantee: ECONOMIC DEVELOPMENT CORPORATION
Terms of Sale: 33-TO BE DETERMINED
Liber/Page: 2637:1346

Building Information

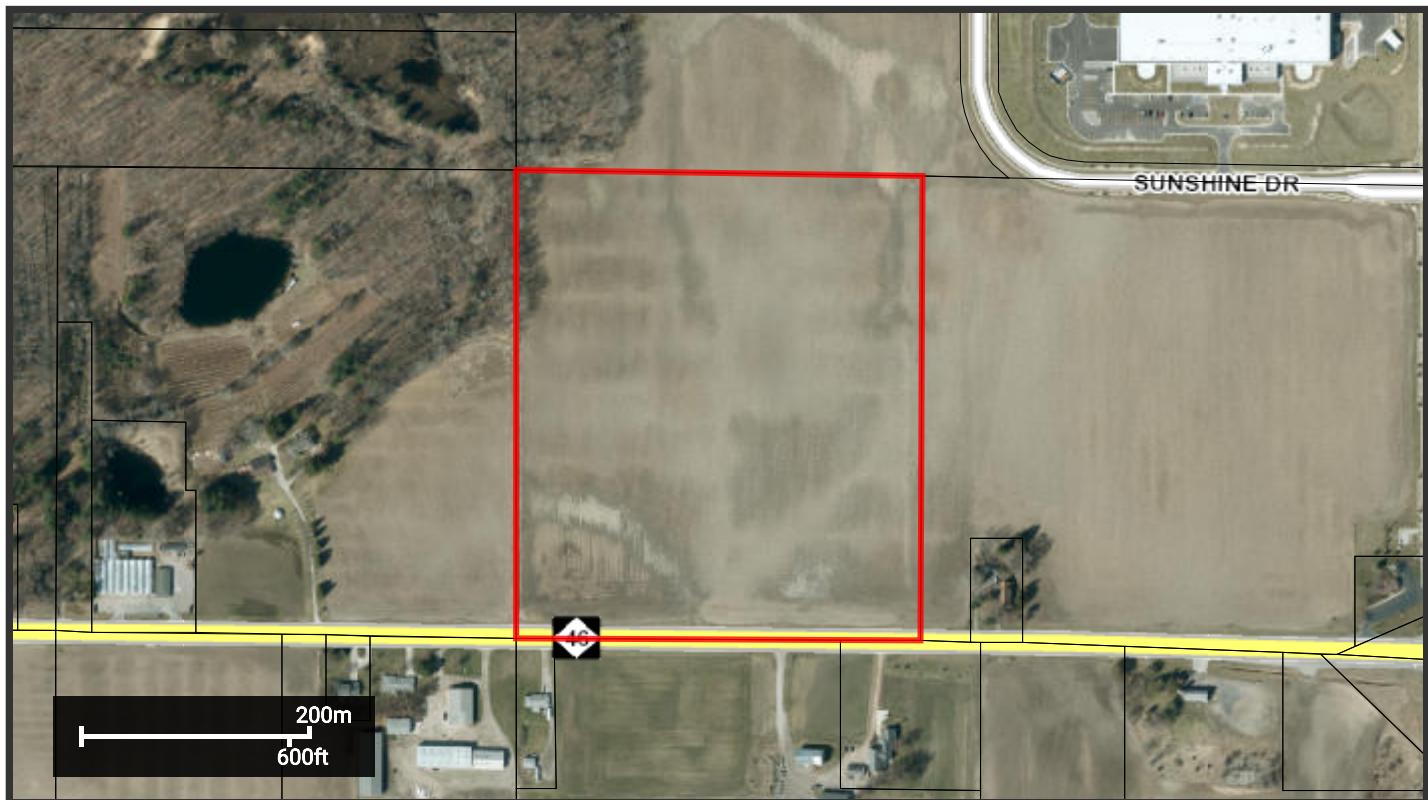
No Records Found

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Property Address

705 N GRAHAM RD

SAGINAW, MI, 48609



Owner Address

ECONOMIC DEVELOPMENT CORPORATION

SAGINAW FUTURE

515 N WASHINGTON AVE 3RD FLOOR

Unit:	28
Unit Name:	THOMAS TOWNSHIP

General Information for 2024 Tax Year

<u>Parcel Number:</u>	28-12-3-29-1002-003
<u>Tax Status:</u>	TAXABLE
<u>Property Class:</u>	302
<u>Class Name:</u>	INDUSTRIAL-VACANT
<u>School Dist Code:</u>	73210
<u>School Dist Name:</u>	HEMLOCK PUBLIC SCHOOL DIST
<u>PRE 2023:</u>	100%
<u>PRE 2024:</u>	100%

<u>Assessed Value:</u>	\$119,600
<u>Taxable Value:</u>	\$76,217
<u>State Equalized Value:</u>	\$119,600

<u>PRE 2025 Tentative:</u>	100%
<u>PRE Date:</u>	06-15-2011

Prev Year Info

Prev Year Info	MBOR Assessed	Final SEV	Final Taxable
2023	\$115,500	\$115,500	\$72,588
2022	\$115,500	\$115,500	\$69,132

Land Information

Acreage:	33.88
Zoning:	SOLAR TECH

Additional Land Information

Frontage:	0.00
Depth:	0.00
Land Value:	\$239269
Land Improvements:	\$0

Pool Type:

Pool Area: 0

Pool Year Built: 0

Tax Description

S 1/2 OF NE 1/4 OF SEC 29 EXC COM AT E 1/4 CORN OF SEC 29 TH W 1485.84 FT TH N 1315.99 FT TH E 1485.99 TH S ALONG E LINE OF SAID SEC TO E 1/4 CORN AND POB - 33.88 ACRES SEC 29 T12N R3E ***NEW SPLIT FROM PARENT 1002-000 05-13-2011

Sales Information

Sale Date: 05-12-2011

Sale Price: 0

Instrument: WD

Grantor: FAUCHER INVESTMENTS

Grantee: ECONOMIC DEVELOPMENT CORPORATION

Terms of Sale: 21-NOT USED/OTHER

Liber/Page: 2622:1900

Building Information

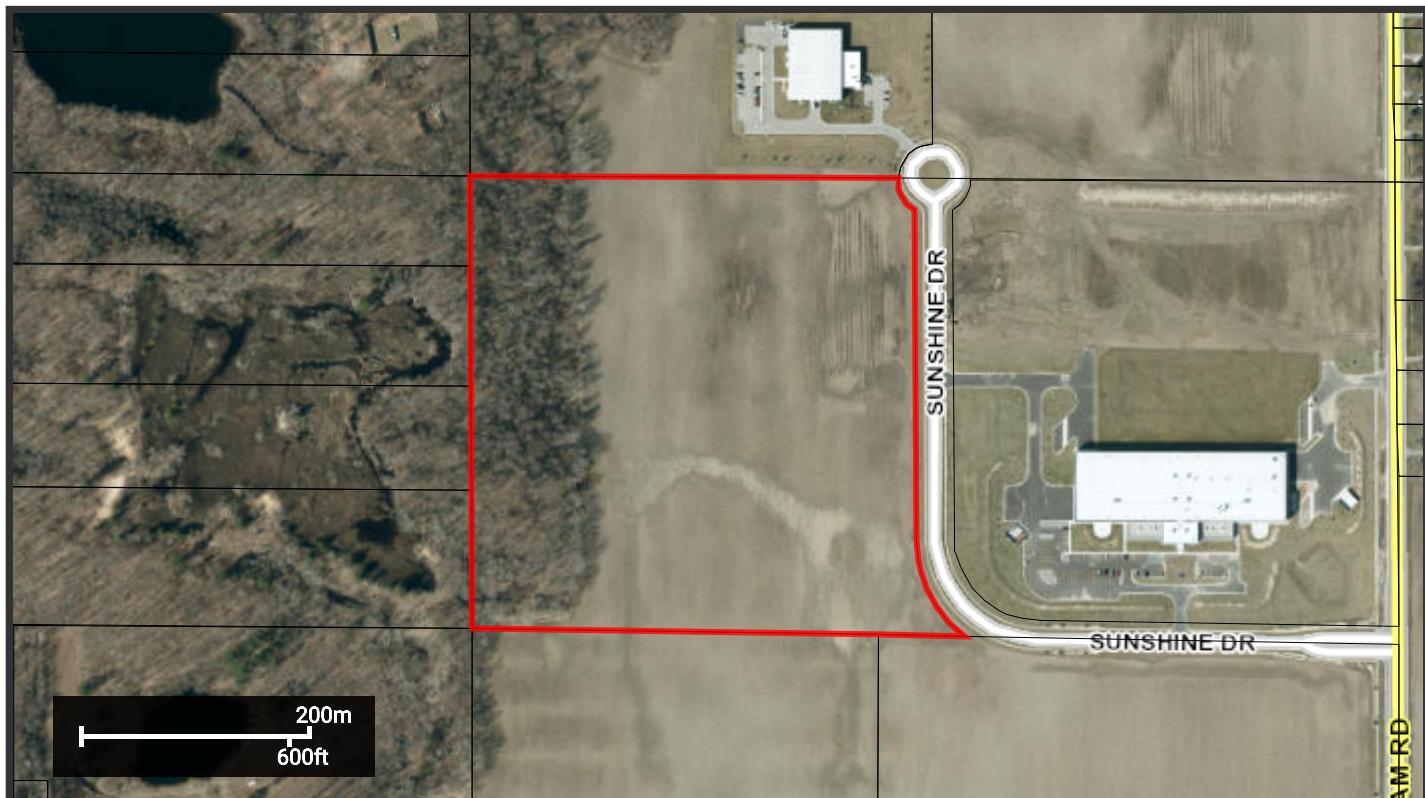
No Records Found

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Property Address

SUNSHINE DR

SAGINAW, MI, 48609

This Parcel has no
image on file.

Owner Address

ECONOMIC DEVELOPMENT CORP

515 N WASHINGTON AVENUE 3RD FLOOR
SAGINAW, MI 48607

Unit:	28
Unit Name:	THOMAS TOWNSHIP

General Information for 2024 Tax Year

<u>Parcel Number:</u>	28-12-3-29-1001-003
<u>Tax Status:</u>	TAXABLE
<u>Property Class:</u>	302
<u>Class Name:</u>	INDUSTRIAL-VACANT
<u>School Dist Code:</u>	73210
<u>School Dist Name:</u>	HEMLOCK PUBLIC SCHOOL DIST
<u>PRE 2023:</u>	100%
<u>PRE 2024:</u>	100%

<u>Assessed Value:</u>	\$130,600
<u>Taxable Value:</u>	\$86,841
<u>State Equalized Value:</u>	\$130,600

<u>PRE 2025 Tentative:</u>	100%
<u>PRE Date:</u>	01-14-2019
<u>Rescind Date:</u>	11-10-2011

Prev Year Info

Prev Year Info	MBOR Assessed	Final SEV	Final Taxable
2023	\$131,600	\$131,600	\$82,706
2022	\$131,600	\$131,600	\$78,768

Land Information

<u>Acreage:</u>	38.596
<u>Zoning:</u>	A-1

Additional Land Information

Frontage:	0.00
Depth:	0.00
Land Value:	\$261194
Land Improvements:	\$0

Pool Type:

Pool Area:	0
Pool Year Built:	0

Tax Description

COM AT NE COR OF SEC TH S 00°23'31" E ON E LN OF SD SEC 1308.10 FT TO N 1/8 LN OF SD SEC BEING ALSO THE ELY EXTN OF CL SUNSHINE DRIVE TH N 89°14'23" W ON SD N 1/8 LN & ELY EXTN & CL OF SD SUNSHINE DRIVE 1203.36 FT TO A PT ON SLY LN OF SD SUNSHINE DR & POB OF THIS DESC TH N 89°14'23" W CONT ON SD N 1/8 LN 1431.16 FT TO N & S 1/4 LN OF SD SEC TH N 00°20'04" W ON SD N & S 1/4 LN 1322.06 FT TO N 1/4 COR OF SD SEC TH S 88°56'08" E ON N LN OF SD SEC 1216.75 FT TO A PT ON A 100 FT RADIUS CUL-DE-SAC OF SD SUNSHINE DR TH SELY ALG ARC OF SD CUL-DE-SAC 107.21 FT SD CUL-DE-SAC BEING SUBTENDED BY A CHORD BEARING S 29°38'57" E & DIST OF 102.15 FT TO A PT ON W LN OF SD SUNSHINE DR TH S 00°21'47" E ON SD W LN BEING A LN WHICH IS PARA WITH & 50 FT MEAS AT RGT ANGL W OF E 1/8 LN OF SD SEC 934.31 FT TO PT OF CURVATURE OF A 350 FT RAD CURVE TO THE LEFT TH SELY ON ARC OF SD CURVE & BEING SLY LN OF SD SUNSHINE DR 353.53 FT TO POB SD CURVE BEING SUBTENDED BY A CHORD BEARING S 29°18'00" E & DIST OF 338.69 FT - 38.60 ACRES SEC 29 T12N R3E ***SPLIT FROM PARENT 1001-001 11/07/18

Sales Information

No Records Found

Building Information

No Records Found

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Appendix B

Reconnaissance Photographs



PARCEL A – FACING NORTH



PARCEL A – FACING EAST



PARCEL A – FACING SOUTH



PARCEL B – FACING NORTH



PARCEL C – FACING WEST



PARCEL C – FACING SOUTH



**LIFT STATION AND NATURAL GAS GENERATOR
PARCEL A**



**SANITARY SEWER AND LIFT STATION ACCESS
PARCEL A**



TYPICAL VIEW OF TRANSFORMER AND UTILITES ACCESS



SOUTHEASTERN ADJOINING PROPERTY



SOUTHEASTERN ADJOINING PROPERTY



EASTERN ADJOINING PROPERTY



EASTERN ADJOINING PROPERTY



EASTERN ADJOINING PROPERTY



NORTHEASTERN ADJOINING PROPERTY



NORTHERN ADJOINING PROPERTY



WESTERN ADJOINING PROPERTY



WESTERN ADJOINING PROPERTY



SOUTHERN ADJOINING PROPERTY



SOUTHERN ADJOINING PROPERTY

Appendix C

Standard Environmental Record Database Report



DATABASE REPORT

Project Property: 705 North Graham Road
705 North Graham Road
Saginaw MI 48609

Project No: 6411s2-1-17

Report Type: Database Report

Order No: 24100300191

Requested by: AKT Peerless

Date Completed: October 4, 2024

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Executive Summary

Property Information:

Project Property: 705 North Graham Road
705 North Graham Road Saginaw MI 48609

Project No: 6411s2-1-17

Coordinates:

Latitude: 43.41947792
Longitude: -84.13665531
UTM Northing: 4,811,381.60
UTM Easting: 731,798.04
UTM Zone: 16T

Elevation: 607 FT

Order Information:

Order No: 24100300191
Date Requested: October 3, 2024
Requested by: AKT Peerless
Report Type: Database Report

Historicals/Products:

Aerial Photographs	Historical Aerials (with Project Boundaries)
City Directory Search	CD - 1 Street Search
ERIS Xplorer	ERIS Xplorer
Excel Add-On	Excel Add-On

Executive Summary: Report Summary

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

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DELISTED FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
DOE FUSRAP	Y	1	0	0	0	0	0	0
State								
SHWS	Y	1	0	0	0	0	0	0
DELISTED CONTAM	Y	1	0	0	0	0	1	1
DELISTED SHWS	Y	1	0	0	0	0	0	0
SITE CLEANUP	Y	0.25	0	0	0	-	-	0
SWF/LF	Y	0.5	0	0	0	0	-	0
WASTE	Y	0.5	0	2	0	0	-	2
RECYCLING	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	0	1	0	0	-	1
DELISTED LUST	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	1	0	-	-	1
AST	Y	0.25	0	0	0	-	-	0
UNREG TANK	Y	0.25	0	0	0	-	-	0
TANK FACILITY	Y	0.25	0	0	0	-	-	0
DELISTED TANK	Y	0.25	0	0	0	-	-	0
AUL	Y	0.5	0	0	0	0	-	0
BROWNFIELDS	Y	0.5	0	0	0	0	-	0
BFLD REDEV	Y	0.5	0	0	0	0	-	0
BFLD UST	Y	0.5	0	0	0	0	-	0
NFA RES	Y	0.5	0	0	0	0	-	0
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED INDIAN LST	Y	0.5	0	0	0	0	-	0
DELISTED INDIAN UST	Y	0.25	0	0	0	-	-	0
County								

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

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	0	0	0	0	0
LM SITES	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
CONSENT DECREES	Y	0.25	0	0	0	-	-	0
AFS	Y	PO	0	-	-	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCBT	Y	0.5	0	0	0	0	-	0
PCB	Y	0.5	0	0	0	0	-	0
State								
SPILLS	Y	0.125	0	1	-	-	-	1
BEA	Y	1	0	1	0	0	0	1
PFAS CONTAM	Y	0.5	0	0	0	0	-	0
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
LIEN	Y	PO	0	-	-	-	-	0
Tribal	No Tribal additional environmental record sources available for this State.							
County								
CDL KALAMAZOO	Y	0.125	0	0	-	-	-	0
	Total:			0	9	0	0	10

* PO – Property Only

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

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
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No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	FINDS/FRS	M46 & M52	180 N. GRAHAM RD SAGINAW MI 48609	ESE	0.01 / 51.71	-1	18
			<i>Registry ID: 110028107803</i>				
1	ICIS	M46 & M52	180 N. GRAHAM RD SAGINAW MI 48609	ESE	0.01 / 51.71	-1	18
			<i>Registry ID: 110028107803</i>				
1	WASTE	SAGINAW CONSERVATION DISTRICT	178 N GRAHAM RD SAGINAW MI 48609	ESE	0.01 / 51.71	-1	19
2	BEA		10950 Gratiot Road MI 48609	ESE	0.04 / 220.35	-2	19
2	UST	7-Eleven #36932	10950 GRATIOT RD SAGINAW MI 48609-9483	ESE	0.04 / 220.35	-2	19
			<i>Facility ID: 00033327</i> <i>New Tank ID No / Old Tank ID No / Tank Removal Date: UTK-097089-15 1 , UTK-097093-15 2 </i>				
2	LUST	7-Eleven #36932	10950 GRATIOT RD, SAGINAW, MI, 48609 MI	ESE	0.04 / 220.35	-2	20
			<i>Facility ID: 00033327</i>				
2	WASTE	7-11	10950 GRATIOT RD SAGINAW MI 48603	ESE	0.04 / 220.35	-2	22
3	SPILLS		GRATIOT & M-52 SHIELDS MI	ESE	0.05 / 257.79	-2	22
4	FED BROWNFIELDS	Proposed Solar Park	795 North Graham Road Saginaw MI 48609	ENE	0.12 / 612.26	0	23
			<i>Property ID: 154321</i>				
5	DELISTED CONTAM	SHIELDS MANUFACTURING	1320 S GRAHAM RD SAGINAW MI 48603	SSE	0.79 / 4,177.18	-6	27

Executive Summary: Summary by Data Source

Standard

Federal

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

A search of the FED BROWNFIELDS database, dated Feb 7, 2024 has found that there are 1 FED BROWNFIELDS site(s) within approximately 0.50miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Proposed Solar Park	795 North Graham Road Saginaw MI 48609	ENE	0.12 / 612.26	4

Property ID: 154321

State

DELISTED CONTAM - Delisted Contaminated Sites

A search of the DELISTED CONTAM database, dated Jul 24, 2018 has found that there are 1 DELISTED CONTAM site(s) within approximately 1.00miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SHIELDS MANUFACTURING	1320 S GRAHAM RD SAGINAW MI 48603	SSE	0.79 / 4,177.18	5

WASTE - Waste Data System

A search of the WASTE database, dated Aug 13, 2024 has found that there are 2 WASTE site(s) within approximately 0.50miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SAGINAW CONSERVATION DISTRICT	178 N GRAHAM RD SAGINAW MI 48609	ESE	0.01 / 51.71	1
7-11	10950 GRATIOT RD SAGINAW MI 48603	ESE	0.04 / 220.35	2

LUST - Leaking Underground Storage Tank

A search of the LUST database, dated Jun 20, 2024 has found that there are 1 LUST site(s) within approximately 0.50miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
7-Eleven #36932	10950 GRATIOT RD, SAGINAW, MI, 48609 MI <i>Facility ID: 00033327</i>	ESE	0.04 / 220.35	2

UST - Underground Storage Tank

A search of the UST database, dated Jul 24, 2024 has found that there are 1 UST site(s) within approximately 0.25miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
7-Eleven #36932	10950 GRATIOT RD SAGINAW MI 48609-9483	ESE	0.04 / 220.35	2

*Facility ID: 00033327
New Tank ID No / Old Tank ID No / Tank Removal Date: UTK-097089-15 | 1 |, UTK-097093-15 | 2 |*

Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Apr 26, 2024 has found that there are 1 FINDS/FRS site(s) within approximately 0.02miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
M46 & M52	180 N. GRAHAM RD SAGINAW MI 48609	ESE	0.01 / 51.71	1

Registry ID: 110028107803

ICIS - Integrated Compliance Information System (ICIS)

A search of the ICIS database, dated Apr 13, 2024 has found that there are 1 ICIS site(s) within approximately 0.02miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
M46 & M52	180 N. GRAHAM RD SAGINAW MI 48609	ESE	0.01 / 51.71	1

Registry ID: 110028107803

State

SPILLS - Pollution Emergency Alerting (PEAS)

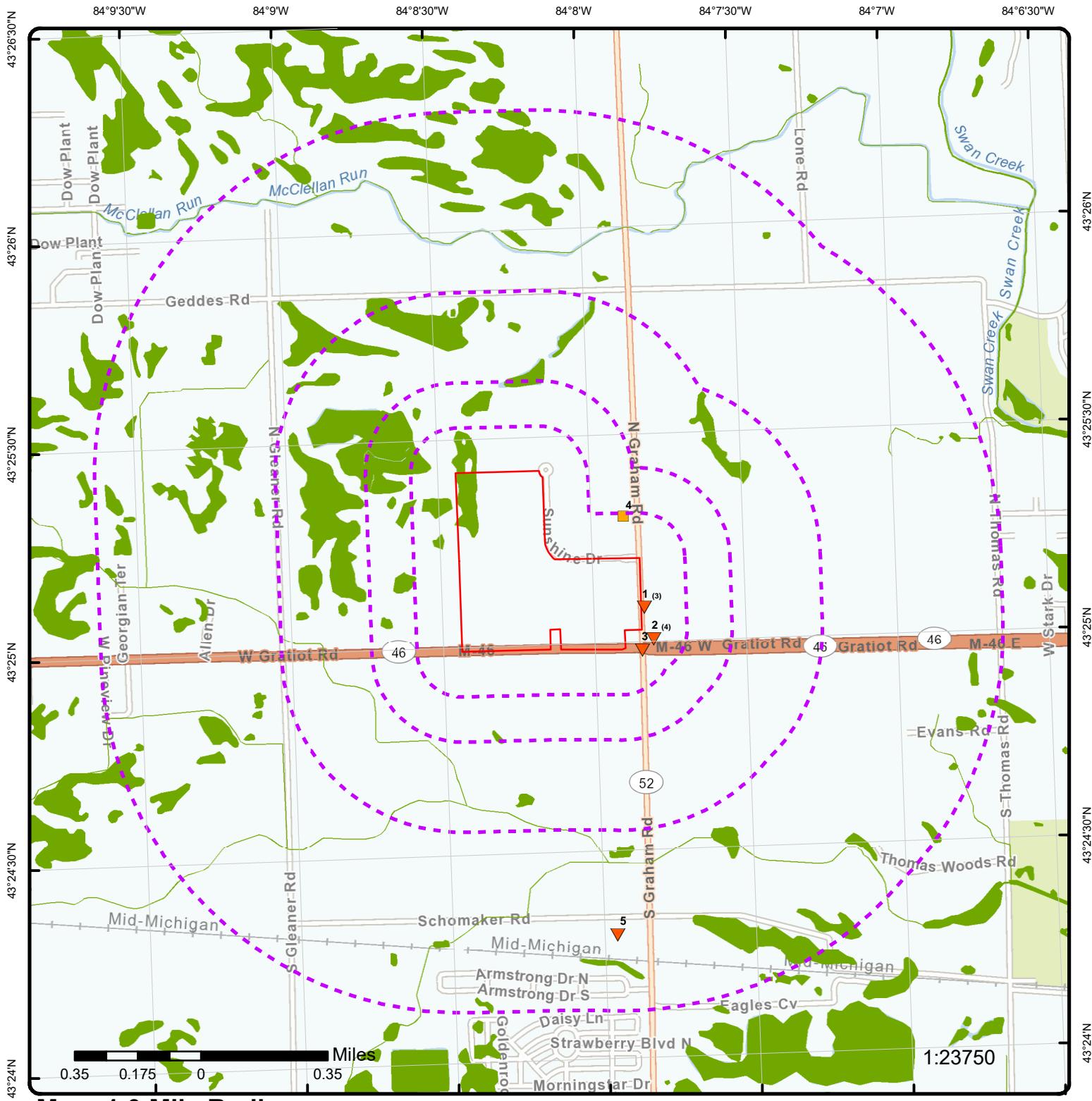
A search of the SPILLS database, dated Jun 3, 2024 has found that there are 1 SPILLS site(s) within approximately 0.12miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	GRATIOT & M-52 SHIELDS MI	ESE	0.05 / 257.79	3

BEA - Baseline Environmental Assessment

A search of the BEA database, dated Dec 17, 2020 has found that there are 1 BEA site(s) within approximately 1.00miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
	10950 Gratiot Road MI 48609	ESE	0.04 / 220.35	2



Map: 1.0 Mile Radius

Order Number: 24100300191

Address: 705 North Graham Road, Saginaw, MI

ERIS

Project Property

Buffer Outline

- ▲ Sites with Higher Elevation
- Sites with Same Elevation
- ▼ Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation

- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- + Rail

- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone

- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)



Map: 0.5 Mile Radius

Order Number: 24100300191

Address: 705 North Graham Road, Saginaw, MI



Project Property

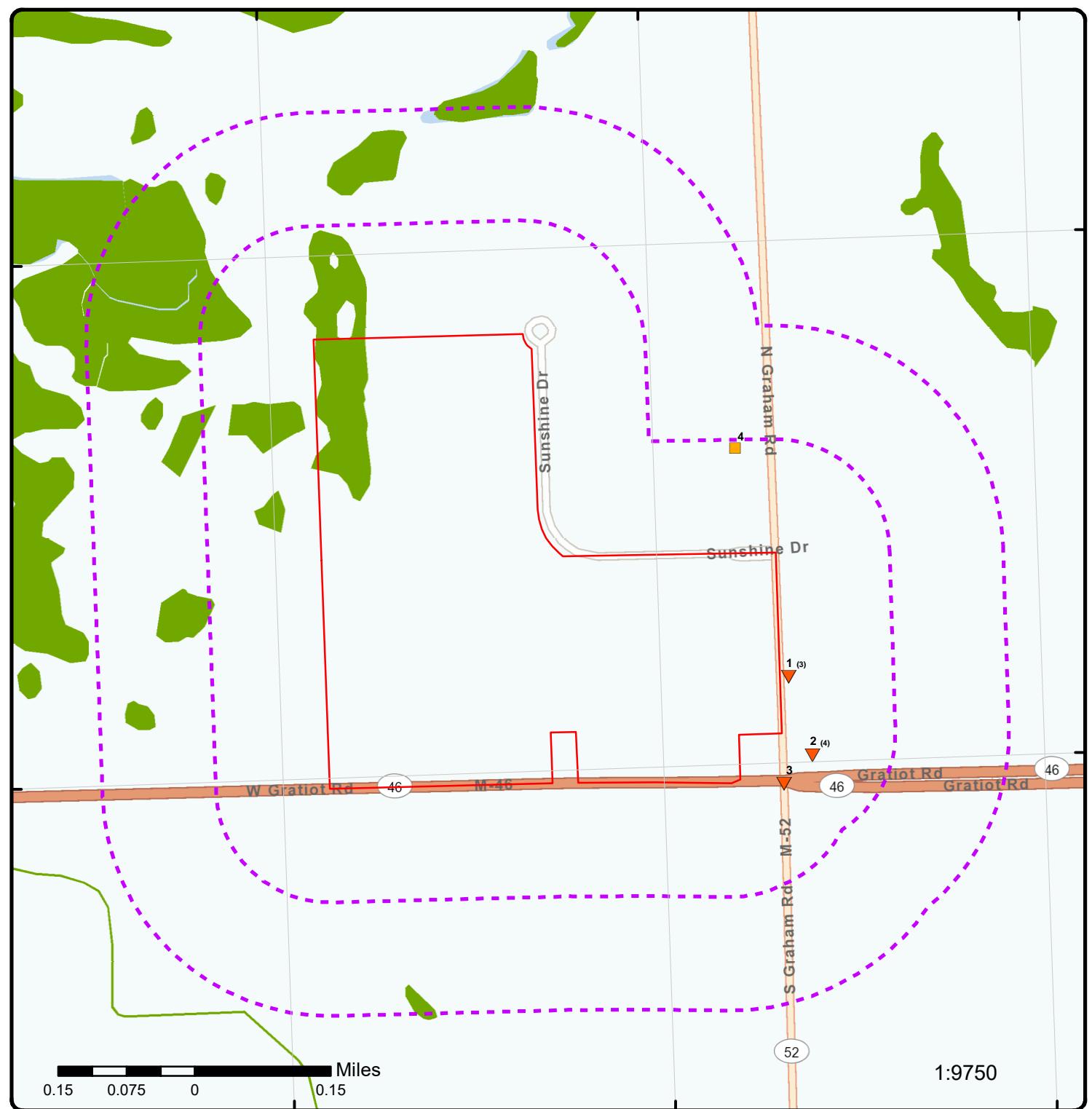
Buffer Outline

- ▲ Sites with Higher Elevation
- Sites with Same Elevation
- ▼ Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation

- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- + Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone

■ FWS Special Designation Areas

■ National Priorities List (Active, Delisted, Proposed, Institutional Control)



Map: 0.25 Mile Radius

Order Number: 24100300191

Address: 705 North Graham Road, Saginaw, MI



Project Property

Buffer Outline

- ▲ Sites with Higher Elevation
- Sites with Same Elevation
- ▼ Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation

■	Freeways; Highways	—	State	■	FWS Special Designation Areas
■	Traffic Circle; Ramp	—	Country	■	National Priorities List (Active, Delisted, Proposed, Institutional Control)
■	Major & Minor Arterial	■	National Wetland		
■	Traffic Circle; Ramp	■	Indian Reserve Land		
■	Local Road	■	100 Year Flood Zone		
+	Rail	■	500 Year Flood Zone		

84°8'30"W

84°8'W

84°7'30"W

43°25'30"N

43°25'30"N

43°25'N

43°25'N



Aerial Year: 2016

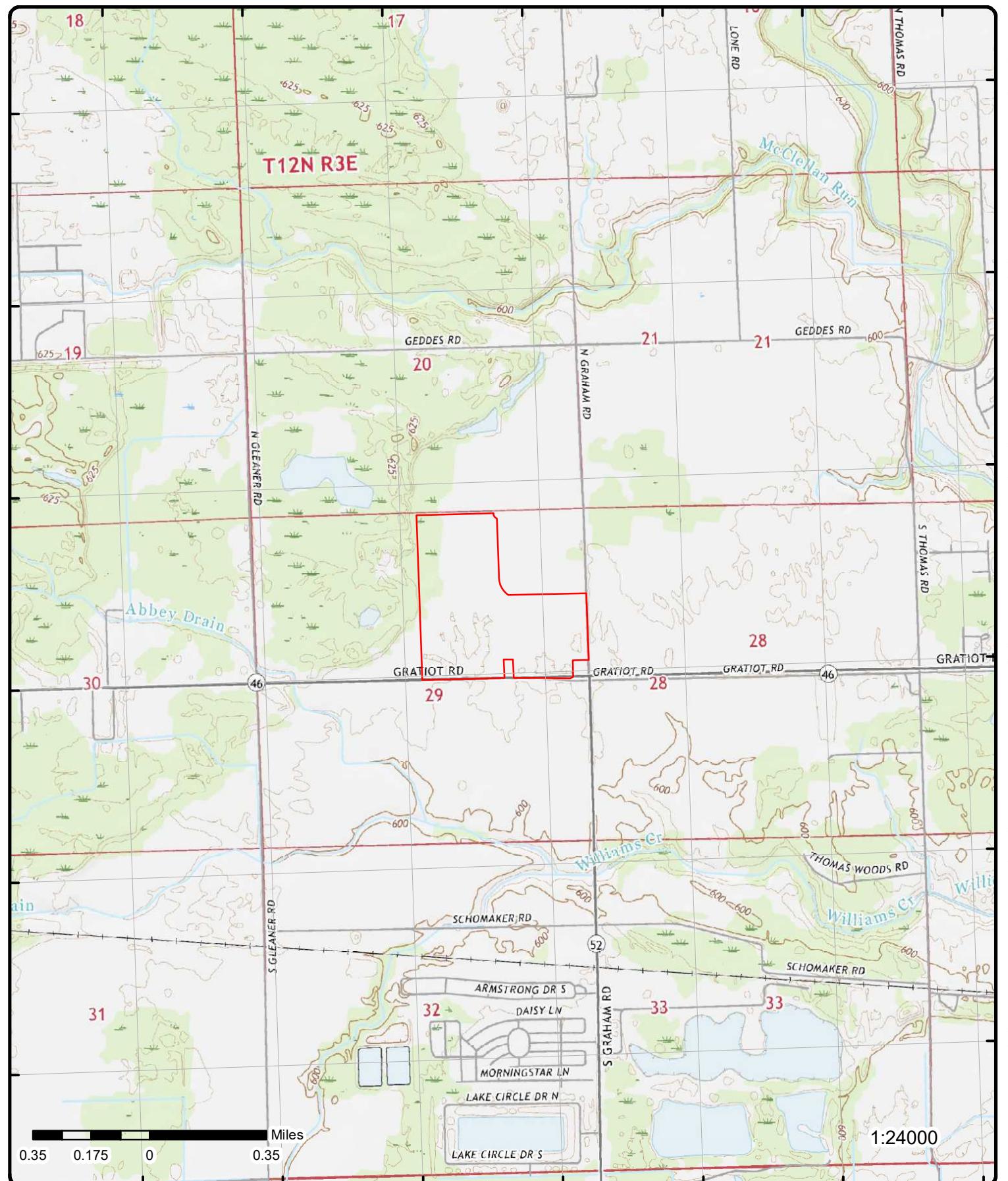
Address: 705 North Graham Road, Saginaw, MI

Source: ESRI World Imagery

Order Number: 24100300191

ERIS

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Topographic Map Year: 2019

Address: 705 North Graham Road, MI

Quadrangle(s): Hemlock MI, Shields MI

Source: USGS Topographic Map

Order Number: 24100300191

ERIS 

© ERIS Information Inc.

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 3	ESE	0.01 / 51.71	606.05 / -1	M46 & M52 180 N. GRAHAM RD SAGINAW MI 48609	FINDS/FRS
Registry ID:	110028107803					
FIPS Code:						
HUC Code:	04080203					
Site Type Name:	STATIONARY					
Location Description:						
Supplemental Location:						
Create Date:	16-FEB-07					
Update Date:	03-MAY-15					
Interest Types:	FORMAL ENFORCEMENT ACTION					
SIC Codes:						
SIC Code Descriptions:						
NAICS Codes:						
NAICS Code Descriptions:						
Conveyor:	FRS-GEOCODE					
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No:	04					
Census Block Code:	261450120033003					
EPA Region Code:	05					
County Name:	SAGINAW					
US/Mexico Border Ind:						
Latitude:	43.416923					
Longitude:	-84.130783					
Reference Point:	ENTRANCE POINT OF A FACILITY OR STATION					
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER					
Accuracy Value:	50					
Datum:	NAD83					
Source:						
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110028107803					
Data Source:	Facility Registry Service - Single File					
Program Acronyms:						
ICIS:7377885						
1	2 of 3	ESE	0.01 / 51.71	606.05 / -1	M46 & M52 180 N. GRAHAM RD SAGINAW MI 48609	ICIS
EPA Region:	05				Federal Fac ID:	
Registry ID:	110028107803				Tribal Land Code:	
Pgm Sys ID:	7377885				County:	SAGINAW
Pgm Sys Acronym:	ICIS				Latitude 83:	43.416923
Permit Type:					Longitude 83:	-84.130783
Details						
Interest Type:	FORMAL ENFORCEMENT ACTION				Public Ind:	Yes
Active Status:					FIPS Code:	
Accuracy Value:	50				HUC 8 Code:	04080203
Pgm Report URL:	no data yet				HUC 12:	040802030407

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Federal Agency Name:						
Federal Land Ind:						
Fed Facility Code:						
Ref Point Desc: ENTRANCE POINT OF A FACILITY OR STATION						
Collect Mth Desc: ADDRESS MATCHING-HOUSE NUMBER						
Fac URL: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110028107803						
Program URL:						
<u>1</u>	3 of3	ESE	0.01 / 51.71	606.05 / -1	SAGINAW CONSERVATION DISTRICT 178 N GRAHAM RD SAGINAW MI 48609	WASTE
WDS ID: 498356						
Site ID:						
County: SAGINAW						
Legal Name: SAGINAW CONSERVATION DISTRICT						
Contact Name:						
<u>2</u>	1 of4	ESE	0.04 / 220.35	605.33 / -2	10950 Gratiot Road MI 48609	BEA
Facility ID (Web):						
Bea No (Web): 201301321BC						
Fac Name (Web):						
Address (Web): 10950 Gratiot Road						
City (Web):						
Zip (Web): 48609						
County (Web): Saginaw						
Township (Web): Thomas Township						
District (Web): Saginaw Bay						
Latitude (Web):						
Longitude (Web):						
Data Source (Web): BEA						
Accuracy:						
Facility 2: 7-Eleven #36932						
Source: BEA						
Submitted: 7-Eleven, Inc.						
Source: DEQ Inventory of Facilities (Web); DEQ Baseline Environmental Assessment Sites (Map)						
<u>2</u>	2 of4	ESE	0.04 / 220.35	605.33 / -2	7-Eleven #36932 10950 GRATIOT RD SAGINAW MI 48609-9483	UST
Facility ID: 00033327						
<u>Underground Tank List - Active</u>						
New Tank ID No: UTK-097089-15						
Old Tank ID No: 1						
Tank Status: Currently In Use						
Tank Install Date: 01/03/1990						
Tank Removal Date:						
Tank Capacity: 12000						
Tank Release Detection: Automatic Tank Gauging,Inventory Control						
Tank Construction: Fiberglass Reinforced Plastic,Other						
Piping Piping Rel Detection: Automatic Line Leak Detectors,Line Tightness Testing,Other						
Owner Name: 7-Eleven Inc						
Owner Address: PO Box 711						
Owner City: Dallas						
Owner State: TX						
Owner Zip: 75						
Tank Compartments:						
Tank Content:						
Piping Piping Mat: Fiberglass Reinforced Plastic						
Piping Piping Type: Pressure (Remote)						
Impressed Current:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Owner Phone:	3078155432					
Facility Name:	7-Eleven #36932					
Fac Street No:	10950					
Fac Street Direc:						
Fac Street Name:	GRATIO					
Fac Suffix Type:	RD					
Fac Suffix Direc:						
Facility City:	SAGINAW					
Facility State:	MI					
Facility Zip:	48609-9483					
Facility County:	SAGINAW					
Facility Region:	2					

Underground Tank List - Active

New Tank ID No:	UTK-097093-15	Tank Compartments:	
Old Tank ID No:	2	Tank Content:	Gasoline
Tank Status:	Currently In Use	Piping Piping Mat:	Fiberglass Reinforced Plastic
Tank Install Date:	01/03/1990	Piping Piping Type:	Pressure (Remote)
Tank Removal Date:		Impressed Current:	
Tank Capacity:	12000		
Tank Release Detection:	Automatic Tank Gauging,Inventory Control		
Tank Construction:	Fiberglass Reinforced Plastic,Other		
Piping Piping Rel Detection:	Automatic Line Leak Detectors,Line Tightness Testing,Other		
Owner Name:	7-Eleven Inc		
Owner Address:	PO Box 711		
Owner City:	Dallas		
Owner State:	TX		
Owner Zip:	75		
Owner Phone:	3078155432		
Facility Name:	7-Eleven #36932		
Fac Street No:	10950		
Fac Street Direc:			
Fac Street Name:	GRATIO		
Fac Suffix Type:	RD		
Fac Suffix Direc:			
Facility City:	SAGINAW		
Facility State:	MI		
Facility Zip:	48609-9483		
Facility County:	SAGINAW		
Facility Region:	2		

Underground Storage Tanks Part 211 (Map)

Owner ID:	0	Latitude:	43.417277
Active Site:	Yes	Longitude:	-84.130576
Closed Site:	No	H Datum:	North
Open LUST:	Yes	Accuracy:	10
Closed LUST:	No		
Acc Unit:	METERS		
Fac Name:	7-Eleven #133		
Address:	10950 GRATIO RD		
City:	SAGINAW		
County:	Saginaw		
District Name:	Bay City		
Zip code:	48609		
Desc Cater:			
Collection Method:	The geographic coordinate determination method bas		

2	3 of 4	ESE	0.04 / 220.35	605.33 / -2	7-Eleven #36932 10950 GRATIO RD, SAGINAW, MI, 48609 MI	LUST
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Facility ID: 00033327
 Regulat Pgm (RIDE): 213

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Fac Name (RIDE):	7-Eleven #36932					
Full Address(RIDE):	10950 GRATIOT RD, SAGINAW, MI, 48609					
City (RIDE):	SAGINAW					
County (RIDE):	Saginaw					
Township (RIDE):	Saginaw					
EGLE Dist (RIDE):	Bay City					
Latitude (RIDE):	43.417277					
Longitude (RIDE):	-84.130576					
Comp Name (Map):	7-Eleven #133					
Address (Map):	10950 GRATIOT RD					
City (Map):	SAGINAW					
County (Map):	Saginaw					
District (Map):	Bay City					
ZIP (Map):	48609					
Latitude (Map):	43.417277					
Longitude (Map):	-84.130576					
Facility Name:	7-Eleven #36932					
Street Address:	10950 GRATIOT RD					
Street Address 2:	NULL					
City:	SAGINAW					
County:	Saginaw					
EGLE District:	Bay City					
Zip Code:	48609					
Data Source:	EGLE Remediation Information Data Exchange Tanks (RIDE); LUST List; Leaking Underground Storage Tanks Part 213 Open (Map); EGLE Remediation Information Data Exchange Tanks (RIDE) As of Jun 2024					
Note:	EGLE's Remediation and Redevelopment Division (RRD) is undertaking an effort to digitize records and make them available to the public through an online portal Remediation Information Data Exchange (RIDE).					

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

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

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

LUST Details (EGLE Environmental Mapper)

Owner ID:	0	H Datum:	North
Active Site:	Yes	Accuracy:	10
Close Site:	No	Acc Unit:	METERS
Close LUST:	0	Shp Type:	POINT
Open LUST:	Open	Desc Cater:	
Restrict:	NO	Updated on:	2024-06-19 22:10:03.467
Source:	State of MI	MGR X:	
Col Date:	2024-06-19 22:10:03.467	MGR Y:	
MOC:	The geographic coordinate determination method bas		
Geometry:	MULTIPOINT (-84.13057114997237 43.41726869252489)		

Locations

EPA ID:		Senate District:	
Release Status:	Open	House District:	
Project Manager:	Nicholls, Alan	US Congr District:	
Risk Condition:	Risks Controlled-Interim		
LUST Name:	7-Eleven #133		

Associated Tanks

Release ID:	REL-0066-13	Capacity Gallons:	12000
Tank ID:	UTK-097093-15	Date of Installatn:	01/03/1990
Tank Status:	Currently In Use	Substance Stored:	Gasoline
Release ID:	REL-0066-13	Capacity Gallons:	12000
Tank ID:	UTK-097089-15	Date of Installatn:	01/03/1990

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Tank Status:	Currently In Use				Substance Stored:	Gasoline

Facility Release

Release ID: REL-0066-13
Type of Release: Confirmed
Current Classification: Class 4
Corrective Action Status: Inactive
Linked Release:

Facility Release Details

Current Classification: Class 4
Corrective Action Status: Inactive
Previous Classification: Class 3
Entry Date: 06/10/2013
Date Release Was Cancelled:
Date Reported: 05/31/2013
Closed With State Funds: No
Date Release Was Upgraded:
Highest Classification: Class 3
Type of Evaluation:
Institutional Controls: No
Upgrade Cancel Date:
Project Manager When Closed:
Release Closed:
Closed Date:

LUST List

Release ID: REL-0066-13
Release Discovered Date: NULL
Release Closed Date: NULL
Date Reported: 2013-05-31 09:54:00.000
Release Status: Open
LUST Name: 7-Eleven #133

Facility Details (As of Jun 2024)

EPA ID:		Facility Name:	7-Eleven #36932
LUST Name:	7-Eleven #133	Full Address:	10950 GRATIOT RD, SAGINAW, MI, 48609
Regulatory Program:	213	City:	SAGINAW
Contaminant Class:			

2	4 of 4	ESE	0.04 / 220.35	605.33 / -2	7-11 10950 GRATIOT RD SAGINAW MI 48603	WASTE
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WDS ID: 436715
Site ID: MIG000054105
County: SAGINAW
Legal Name: 7-ELEVEN INC
Contact Name:

3	1 of 1	ESE	0.05 / 257.79	605.35 / -2	GRATIOT & M-52 SHIELDS MI	SPILLS
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Incident No:
Incident No Related:
Complainant Type:
Observed Date:
GF Comp Date:
Weather or Wind:
Wind Direction:
Rain Condition:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<i>Observed Time:</i>					<i>Old Wind Direction:</i>	
<i>Occurred Date:</i>	07/21/2007				<i>Name of Water Body:</i>	NONE
<i>Occurred Time:</i>					<i>Last Updated Date:</i>	
<i>Date Discovered:</i>					<i>Operator In:</i>	
<i>Time Dis Orig Entr:</i>					<i>District:</i>	Saginaw Bay
<i>Pollutant Released:</i>					<i>Office/After Hours:</i>	
<i>Amt Released Air:</i>					<i>Ambs Intake Agent:</i>	
<i>Amt Rel Ground:</i>					<i>Observed Time Keep:</i>	
<i>Amt Rel Water:</i>					<i>Tm Stamp Hr Orig:</i>	
<i>Volume Recovered:</i>					<i>Int Time Format:</i>	
<i>Cleanup Comp Date:</i>					<i>Time Corr Format:</i>	
<i>Rel Incident Contr:</i>					<i>Report Date:</i>	7/23/2007
<i>Rel Inci Contr De:</i>					<i>Time Stamp:</i>	
<i>Incident Ongoing:</i>					<i>PEAS Dispatcher:</i>	
<i>Source:</i>	Ambs				<i>Special Referral:</i>	
<i>Agencies Notified:</i>					<i>Date and Time Stamp:</i>	
<i>Date Rec DEQ Staff:</i>					<i>Optrinit:</i>	
<i>Time Rec DEQ Staff:</i>					<i>Optrno:</i>	
<i>Div or On-Call:</i>					<i>Smu3init:</i>	
<i>Time DEQ Paged:</i>					<i>Pecctime:</i>	
<i>AMBS Time DEQ Call:</i>					<i>Peccdate:</i>	
<i>No Staff Contacts:</i>					<i>District Backup:</i>	
<i>Post Review Init:</i>					<i>Incident Township:</i>	
<i>Referral Notes:</i>					<i>Incident County:</i>	Saginaw
<i>Cleanup Contractor:</i>					<i>Latitude:</i>	
<i>PWS:</i>					<i>Longitude:</i>	
<i>Material Released:</i>				GASOLINE/APPROXIMATELY 10 GALLONS		
<i>Cleanup Efforts:</i>						
<i>Incident Cross Str:</i>						
<i>Party Involved Type:</i>						
<i>Party Inv. Contact:</i>						
<i>Party Inv Company:</i>						
<i>Party Inv. Phone 1:</i>						
<i>Party Inv. Phone 2:</i>						
<i>Party Inv Address:</i>						
<i>Party Inv City:</i>						
<i>Party Inv. State:</i>						
<i>Party Inv. Zip:</i>						
<i>Complaint Employer:</i>						
<i>Complainant City:</i>						
<i>Complainant State:</i>						
<i>Zip Complainant:</i>						
<i>Complainant Name:</i>						
<i>Complainant Phone 1:</i>						
<i>Complainant Phone 2:</i>						
<i>Complainant Street Address:</i>						
<i>Emergency Crews:</i>						
<i>Description - 1:</i>						
<i>Description - 2:</i>						
<i>Description - 3:</i>						
<i>Description - 4:</i>						
<i>Description - 5:</i>						
<i>Description - 6:</i>						
<i>Brief Description:</i>						
<i>Peas Admin Section:</i>						
<i>Sensitive Information:</i>						
<i>DEQ Primary:</i>	RHONDA KLANN					
<i>Lead Division 1:</i>	RRD					
<i>Lead Division 2:</i>						
<i>Source File:</i>						
<i>Description 1 (2):</i>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Property ID:	154321				County:	SAGINAW
Lat Measure:	43.4236185				Latitude (Map):	43.4236185
Long Measure:	-84.1307828999998				Longitude (Map):	-84.1307829
Property Name:	Proposed Solar Park					
Address:	795 North Graham Road					
City:	Saginaw					
State Code:	MI					
Zip Code:	48609					
Primary Name (Map):	PROPOSED SOLAR PARK					
Location Address (Map):	795 NORTH GRAHAM ROAD					
City Name (Map):	SAGINAW					
County Name (Map):	SAGINAW					
State Code (Map):	MI					
Postal Code (Map):	48609					
Data Source:	Cleanups in My Community (CIMC) Cleanups and Grants Listing Export - Brownfield Properties; Cleanups in My Community (CIMC) Web Application - Brownfield Properties (Map)					

Property Details (Cleanups in My Community)

ID No:		Size Acres:	2.
NFA Letter Date:		Parcel No:	28-12-3-29-1001-001
Media Affected:		Property Enrolled:	
Media Cleaned Up:		Radius:	.5
Contaminants REC:		Census Tract:	26145012003
Contams Actionable:		2010 # Below Poverty:	3.
Contams < Actionble:		2010 Below Poverty:	2.91
Contamnts Cleanup:		2010 Median Income:	802.
Tanks Removal:		2010 No Low Income:	26.
Cleanup Needed:	N	2010 Low Income:	25.24
Cleanup Treatment:		2010 No Vacant Hous:	1.
Excavation Disposl:		2010 Vacant Housing:	2.46
Contams Extractn:		2010 # Unemployed:	4.
Reduc Contams:		2010 Unemployed:	3.88
Additional Clnup:		Tech Capping:	
Institutional Cleanup:	N	Secur Guard Fence:	
Institutional Cleanup:		Immobilization:	
Engineering Needed:	N	Eng Barriers:	
Eng Control:	N	Proprietary Cntrl:	
Additnl Inst Control:		Info Device:	
Additnl Eng Control:		Govt Cntrl:	
Inst Control Date:		Enf Permit Tool:	
Eng Control Date:		Clnup Struct Remov:	
Property Alias:			
Property Owner:	Government		
Address Source URL:			
Address Source URL:			
Address Source URL:			
Other:			

Activity Details(Cleanups in My Community)

Coop Agmt No:	00E96701	Redev Actvty Funded:	
Program Name:	BF	Redev Start Dt:	06/01/2012
Activity Funded:		Redev Compl date:	
Type CA Fund:	Hazardous	Redev Fund Entity:	
Funding Entity:		Redev Residential:	
Assessment Start Dt:		Redev Greenspace:	
Assessment Compl Dt:		Redev Industrial:	2.
Clnup Actvty Start Dt:		Redev Commercial:	
Clnup Actvty Comp Dt:		# of Redev Jobs:	24.
Acres Cleaned Up:		RLF Signed Dt:	
Clnup Funding Src:		RLF Intest Rate:	
Clnup Entity Provid:		RLF EPA Fund:	
Signed Rpt Dt:		RLF Cost Share:	
Direct Clnup Tot Fnd:		RLF Prog Income:	
Direct Clnup Fnd Src:		RLF Lvg Fund Src:	
Fund Amt Expnded:		RLF Lvg Fund Entity:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<i>Source of Funding:</i>					<i>RLF Lvg Fund Amt:</i>	
<i>Past Use Residential:</i>					<i>RLF Subgrant Signed:</i>	
<i>Past Use Greenspace:</i>					<i>Subgrant EPA Fund:</i>	
<i>Past Use Industrial:</i>					<i>Subgrant Cost Shr:</i>	
<i>Past Use Commercial:</i>	2.					
<i>Coop Agmt Recipnt:</i>					Saginaw County Brownfield Redevelopment Authority	
<i>Clnup Compet Doc2:</i>						
<i>Climate Adapt Mitg1:</i>						
<i>Climate Adapt Mitg2:</i>						

Activity Details(Cleanups in My Community)

<i>Coop Agmt No:</i>	00E96701	<i>Redev Actvy Funded:</i>	
<i>Program Name:</i>	BF	<i>Redev Start Dt:</i>	
<i>Activity Funded:</i>		<i>Redev Compl date:</i>	
<i>Type CA Fund:</i>	Hazardous	<i>Redev Fund Entity:</i>	
<i>Funding Entity:</i>	EPA	<i>Redev Residential:</i>	
<i>Assessmnt Start Dt:</i>	11/09/2011	<i>Redev Greenspace:</i>	
<i>Assessmnt Compl Dt:</i>	12/12/2011	<i>Redev Industrial:</i>	2.
<i>Clnup Actvty Start Dt:</i>		<i>Redev Commercial:</i>	
<i>Clnup Actvty Comp Dt:</i>		<i># of Redev Jobs:</i>	
<i>Acres Cleaned Up:</i>		<i>RLF Signed Dt:</i>	
<i>Clnup Funding Src:</i>		<i>RLF Intest Rate:</i>	
<i>Clnup Entity Provid:</i>		<i>RLF EPA Fund:</i>	
<i>Signed Rpt Dt:</i>		<i>RLF Cost Share:</i>	
<i>Direct Clnup Tot Fnd:</i>		<i>RLF Prog Income:</i>	
<i>Direct Clnup Fnd Src:</i>		<i>RLF Lvg Fund Src:</i>	
<i>Fund Amt Expnded:</i>		<i>RLF Lvg Fund Entity:</i>	
<i>Source of Funding:</i>		<i>RLF Lvg Fund Amt:</i>	
<i>Past Use Residential:</i>		<i>RLF Subgrant Signed:</i>	
<i>Past Use Greenspace:</i>		<i>Subgrant EPA Fund:</i>	
<i>Past Use Industrial:</i>		<i>Subgrant Cost Shr:</i>	
<i>Past Use Commercial:</i>	2.		
<i>Coop Agmt Recipnt:</i>		Saginaw County Brownfield Redevelopment Authority	
<i>Clnup Compet Doc2:</i>			
<i>Climate Adapt Mitg1:</i>			
<i>Climate Adapt Mitg2:</i>			

Activity Details(Cleanups in My Community)

<i>Coop Agmt No:</i>	00E96701	<i>Redev Actvy Funded:</i>	
<i>Program Name:</i>	BF	<i>Redev Start Dt:</i>	06/01/2012
<i>Activity Funded:</i>		<i>Redev Compl date:</i>	
<i>Type CA Fund:</i>	Hazardous	<i>Redev Fund Entity:</i>	Great Lakes Solar Technology, Inc
<i>Funding Entity:</i>		<i>Redev Residential:</i>	
<i>Assessmnt Start Dt:</i>		<i>Redev Greenspace:</i>	
<i>Assessmnt Compl Dt:</i>		<i>Redev Industrial:</i>	2.
<i>Clnup Actvty Start Dt:</i>		<i>Redev Commercial:</i>	
<i>Clnup Actvty Comp Dt:</i>		<i># of Redev Jobs:</i>	24.
<i>Acres Cleaned Up:</i>		<i>RLF Signed Dt:</i>	
<i>Clnup Funding Src:</i>		<i>RLF Intest Rate:</i>	
<i>Clnup Entity Provid:</i>		<i>RLF EPA Fund:</i>	
<i>Signed Rpt Dt:</i>		<i>RLF Cost Share:</i>	
<i>Direct Clnup Tot Fnd:</i>		<i>RLF Prog Income:</i>	
<i>Direct Clnup Fnd Src:</i>		<i>RLF Lvg Fund Src:</i>	
<i>Fund Amt Expnded:</i>	5800000.	<i>RLF Lvg Fund Entity:</i>	
<i>Source of Funding:</i>		<i>RLF Lvg Fund Amt:</i>	
<i>Past Use Residential:</i>		<i>RLF Subgrant Signed:</i>	
<i>Past Use Greenspace:</i>		<i>Subgrant EPA Fund:</i>	
<i>Past Use Industrial:</i>		<i>Subgrant Cost Shr:</i>	
<i>Past Use Commercial:</i>	2.		
<i>Coop Agmt Recipnt:</i>		Saginaw County Brownfield Redevelopment Authority	
<i>Clnup Compet Doc2:</i>			
<i>Climate Adapt Mitg1:</i>			
<i>Climate Adapt Mitg2:</i>			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<u>Activity Details(Cleanups in My Community)</u>						
Coop Agmt No:	00E96701				Redev Actvy Funded:	
Program Name:	BF				Redev Start Dt:	
Activity Funded:					Redev Compl date:	
Type CA Fund:	Hazardous				Redev Fund Entity:	
Funding Entity:					Redev Residential:	
Assessmnt Start Dt:					Redev Greenspace:	
Assessmnt Compl Dt:					Redev Industrial:	2.
Clnup Actvty Start Dt:					Redev Commercial:	
Clnup Actvty Comp Dt:					# of Redev Jobs:	
Acres Cleaned Up:					RLF Signed Dt:	
Clnup Funding Src:					RLF Intest Rate:	
Clnup Entity Provid:					RLF EPA Fund:	
Signed Rpt Dt:					RLF Cost Share:	
Direct Clnup Tot Fnd:					RLF Prog Income:	
Direct Clnup Fnd Src:					RLF Lvg Fund Src:	
Fund Amt Expnded:					RLF Lvg Fund Entity:	
Source of Funding:					RLF Lvg Fund Amt:	
Past Use Residential:					RLF Subgrant Signed:	
Past Use Greenspace:					Subgrant EPA Fund:	
Past Use Industrial:					Subgrant Cost Shr:	
Past Use Commercial:	2.					
Coop Agmt Recipnt:		Saginaw County Brownfield Redevelopment Authority				
Clnup Compet Doc2:						
Climate Adapt Mitg1:						
Climate Adapt Mitg2:						
<u>Activity Details(Cleanups in My Community)</u>						
Coop Agmt No:	00E96701				Redev Actvy Funded:	
Program Name:	BF				Redev Start Dt:	
Activity Funded:					Redev Compl date:	
Type CA Fund:	Hazardous				Redev Fund Entity:	
Funding Entity:	EPA				Redev Residential:	
Assessmnt Start Dt:	10/04/2011				Redev Greenspace:	
Assessmnt Compl Dt:	10/21/2011				Redev Industrial:	2.
Clnup Actvty Start Dt:					Redev Commercial:	
Clnup Actvty Comp Dt:					# of Redev Jobs:	
Acres Cleaned Up:					RLF Signed Dt:	
Clnup Funding Src:					RLF Intest Rate:	
Clnup Entity Provid:					RLF EPA Fund:	
Signed Rpt Dt:					RLF Cost Share:	
Direct Clnup Tot Fnd:					RLF Prog Income:	
Direct Clnup Fnd Src:					RLF Lvg Fund Src:	
Fund Amt Expnded:					RLF Lvg Fund Entity:	
Source of Funding:					RLF Lvg Fund Amt:	
Past Use Residential:					RLF Subgrant Signed:	
Past Use Greenspace:					Subgrant EPA Fund:	
Past Use Industrial:					Subgrant Cost Shr:	
Past Use Commercial:	2.					
Coop Agmt Recipnt:		Saginaw County Brownfield Redevelopment Authority				
Clnup Compet Doc2:						
Climate Adapt Mitg1:						
Climate Adapt Mitg2:						

Brownfields Details

Registry I:	110054626525	SF EI He C:	
EPA ID:		SF IC Ind:	
EPA Region:	05	SF NPL Cod:	
Cat No:	4080203	SF NPL C 1:	
RCRA Handl:		FF SF Ind:	
RCRA Curre:		Map Symbol:	B
RCRA Remed:		Data Refre:	04-Feb-2024
RCRA Const:		New Site:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<i>RCRA El He:</i>				<i>BF RLF Gra:</i>		
<i>RCRA El Gm:</i>				<i>BF RLF Pil:</i>		
<i>RCRA Rem 1:</i>				<i>BF Assess :</i>		
<i>RCRA Ec Gw:</i>				<i>BF Cleanup:</i>		
<i>RCRA Ec Ng:</i>				<i>BF Tba Ind:</i>		
<i>RCRA IC Ep:</i>				<i>BF 128a In:</i>		
<i>RCRA IC Gc:</i>				<i>BF IC Code:</i>	N	
<i>RCRA IC ID:</i>				<i>BF IC Gc I:</i>	U	
<i>RCRA IC Pr:</i>				<i>BF IC Ep I:</i>	U	
<i>FF RCRA In:</i>				<i>BF IC ID I:</i>	U	
<i>RCRA Ec Co:</i>				<i>BF IC Pr I:</i>	U	
<i>RCRA IC Co:</i>				<i>BF Assess1:</i>	Y	
<i>RCRA Gpra :</i>				<i>BF Multipu:</i>		
<i>RCRA Rem 2:</i>				<i>BF Awp Ind:</i>		
<i>RCRA Dru 1:</i>				<i>BF Showcas:</i>		
<i>SF Site ID:</i>				<i>BF 128a P :</i>		
<i>SF Ec Ind:</i>				<i>Congressio:</i>	MI-08	
<i>SF El Gm C:</i>				<i>Stimulus B:</i>		
<i>Ind Name:</i>						
<i>Cat Name:</i>						
<i>Sub Name:</i>						
<i>Primary Name:</i>						
<i>RCRA Drupa:</i>						
<i>Repow Ref :</i>						
<i>Url:</i>						
<i>Census Url:</i>						
<i>ACS Url:</i>						
<i>SAA Site:</i>						
<i>Sf Brac Ty:</i>						
<i>Sf Archive:</i>						
<i>Sf Ffdocke:</i>						
<i>Sf Npl C 3:</i>						
<i>Sf Npl C 2:</i>						
<i>Sf Npl C 1:</i>						
<i>SF Site Na:</i>						
<i>SF Non N 1:</i>						
<i>SF Non N 2:</i>						
<i>SF Non N 3:</i>						
<i>SF Non Npl:</i>						
<i>BF Prope 1:</i>						
<i>RCRA Han 1:</i>						
<i>RCRA Rau I:</i>						
<i>REPOW BF:</i>						
<i>REPOW Re 1:</i>						
<i>REPOW Ref1:</i>						

5	1 of 1	SSE	0.79 / 4,177.18	601.38 / -6	SHIELDS MANUFACTURING 1320 S GRAHAM RD SAGINAW MI 48603	DELISTED CONTAM
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<i>Site ID:</i>	73000033	<i>Lead Division:</i>	Environmental Response Division
<i>Sid Facility ID:</i>		<i>District:</i>	Saginaw Bay
<i>Status Date:</i>	9/9/1994	<i>County:</i>	SAGINAW
<i>Os Description:</i>	Delisted - no longer meets criteria specified in rules		

Unplottable Summary

Total: 0 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
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No unplottable records were found that may be relevant for the search criteria.

Unplottable Report

No unplottable records were found that may be relevant for the search criteria.

Appendix: Database Descriptions

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

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

Standard Environmental Record Sources

Federal

National Priority List:

NPL

Sites on the United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Apr 22, 2024

National Priority List - Proposed:

PROPOSED NPL

Sites proposed by the United States Environmental Protection Agency (EPA), the state agency, or concerned citizens for addition to the National Priorities List (NPL) due to contamination by hazardous waste and identified by the EPA as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Apr 22, 2024

Deleted NPL:

DELETED NPL

Sites deleted from the United States Environmental Protection Agency (EPA)'s National Priorities List. The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Apr 22, 2024

SEMS List 8R Active Site Inventory:

SEMS

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

Government Publication Date: May 22, 2024

Inventory of Open Dumps, June 1985:

ODI

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

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites:

SEMS ARCHIVE

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

Government Publication Date: May 22, 2024

Comprehensive Environmental Response, Compensation and Liability Information System -

CERCLIS

CERCLIS:

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

Government Publication Date: Oct 25, 2013

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

IODI

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

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned:

CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens:

CERCLIS LIENS

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

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action:

RCRA CORRACTS

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Apr 8, 2024

RCRA non-CORRACTS TSD Facilities:

RCRA TSD

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites that have indicated engagement in the treatment, storage, or disposal of hazardous waste which requires a RCRA hazardous waste permit.

Government Publication Date: Apr 8, 2024

RCRA Generator List:

RCRA LQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Apr 8, 2024

RCRA Small Quantity Generators List:

RCRA SQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Apr 8, 2024

RCRA Very Small Quantity Generators List:

RCRA VSQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Apr 8, 2024

RCRA Non-Generators:

RCRA NON GEN

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Apr 8, 2024

RCRA Sites with Controls:

RCRA CONTROLS

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

Government Publication Date: Apr 8, 2024

Federal Engineering Controls-ECs:

FED ENG

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

Government Publication Date: Jun 26, 2024

Federal Institutional Controls- ICs:

FED INST

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

Government Publication Date: Jun 26, 2024

Land Use Control Information System:

LUCIS

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

Government Publication Date: Sep 1, 2006

Institutional Control Boundaries at NPL sites:

NPL IC

Boundaries of Institutional Control areas at sites on the United States Environmental Protection Agency (EPA)'s National Priorities List, or Proposed or Deleted, made available by the EPA's Shared Enterprise Geodata and Services (SEGS). United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy.

Government Publication Date: Apr 22, 2024

Emergency Response Notification System:

ERNS 1982 TO 1986

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

Government Publication Date: 1982-1986

Emergency Response Notification System:

ERNS 1987 TO 1989

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

Government Publication Date: 1987-1989

Emergency Response Notification System:

ERNS

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

Government Publication Date: Apr 28, 2024

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

FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

Government Publication Date: Feb 7, 2024

FEMA Underground Storage Tank Listing:

FEMA UST

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

Government Publication Date: Dec 31, 2017

Facility Response Plan:

FRP

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

Government Publication Date: Jan 9, 2024

Delisted Facility Response Plans:

DELISTED FRP

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

Government Publication Date: Jan 9, 2024

Historical Gas Stations:**HIST GAS STATIONS**

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

Government Publication Date: Jul 1, 1930

Petroleum Refineries:**REFN**

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

Government Publication Date: Jun 6, 2024

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

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

Government Publication Date: Jun 6, 2024

LIEN on Property:**SEMS LIEN**

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

Government Publication Date: May 22, 2024

Superfund Decision Documents:**SUPERFUND ROD**

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

Government Publication Date: Mar 27, 2024

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

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

Government Publication Date: Mar 4, 2017

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

A Part 201 Facility is an area, place, or property where a hazardous substance in excess of the concentrations that satisfy the cleanup criteria for unrestricted residential use has been released, deposited, disposed of, or otherwise comes to be located. This list is maintained by the Remediation and Redevelopment Division in Michigan Department of Environment, Great Lakes, and Energy (EGLE). This database is state equivalent CERCLIS.

Government Publication Date: Aug 13, 2024

Delisted Contaminated Sites:**DELISTED CONTAM**

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

Government Publication Date: Jul 24, 2018

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

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

Government Publication Date: Aug 13, 2024

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

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

Government Publication Date: Oct 31, 2023

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

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

Government Publication Date: May 3, 2024

Waste Data System:**WASTE**

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

Government Publication Date: Aug 13, 2024

Recycling Facilities:**RECYCLING**

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

Government Publication Date: Feb 14, 2024

Leaking Underground Storage Tank:**LUST**

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

Government Publication Date: Jun 20, 2024

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

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

Government Publication Date: Jun 20, 2024

Underground Storage Tank:**UST**

This Underground Storage Tank (UST) data is provided by the Michigan Department of Licensing and Regulatory Affairs (LARA) and the Michigan Department of Environment, Great Lakes, and Energy (EGLE). Active UST facilities are those where there is at least one tank at the facility that is not closed in place or removed, and is regulated under Part 211, Underground Storage Tank Regulations, of Act 451 of 1994, as amended, and the Michigan Underground Storage Tank Rules (MUSTR). There may be closed tanks and/or active non-regulated tanks (such as heating oil tanks) at Active facilities. Closed UST facilities are those at which all tanks at the facility that are regulated under Part 211 are closed; there may be non-regulated active tanks at closed facilities, such as heating oil tanks or tanks with a capacity smaller than the regulatory threshold. The data includes UST sites from LARA's Master List as well as applicable EGLE's Environmental Mapper files.

Government Publication Date: Jul 24, 2024

Aboveground Storage Tanks:**AST**

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

Government Publication Date: Aug 1, 2024

Tank Facilities Not Currently Registered:

UNREG TANK

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

Government Publication Date: May 29, 2019

Storage Tank Facility:

TANK FACILITY

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

Government Publication Date: Jul 8, 2024

Delisted Storage Tank:

DELISTED TANK

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

Government Publication Date: Jul 24, 2024

Engineering and Institutional Controls:

AUL

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

Government Publication Date: May 17, 2024

Brownfield Redevelopment Financing Act Sites:

BROWNFIELDS

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

Government Publication Date: Dec 31, 2021

Brownfield Redevelopment Sites:

BFLD REDEV

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

Government Publication Date: Jul 18, 2024

Brownfields-USTfields Site Directory:

BFLD UST

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

Government Publication Date: 2014

Residential Closures Inventory:

NFA RES

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

Government Publication Date: Sep 19, 2024

Tribal

Leaking Underground Storage Tanks on Tribal/Indian Lands:

INDIAN LUST

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

Government Publication Date: Apr 11, 2024

Underground Storage Tanks on Tribal/Indian Lands:

INDIAN UST

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

Government Publication Date: Apr 11, 2024

Delisted Tribal Leaking Storage Tanks:

DELISTED INDIAN LST

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

Government Publication Date: May 7, 2024

Delisted Tribal Underground Storage Tanks:

DELISTED INDIAN UST

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

Government Publication Date: May 7, 2024

County**City of Grand Rapids Brownfield Sites:**

BFLD GRAND RAPIDS

List of brownfield sites made available by the Grand Rapids Brownfield Redevelopment Authority (BRA). The BRA was established in 1996 to assist with the redevelopment of blighted or contaminated properties in the City of Grand Rapids. A property is eligible for assistance from the BRA if it is contaminated, blighted, functionally obsolete, or an historic resource.

Government Publication Date: Jul 19, 2024

Additional Environmental Record Sources**Federal****PFAS Greenhouse Gas Emissions Data:**

PFAS GHG

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

Government Publication Date: Aug 5, 2024

On-Scene Coordinator Response Sites:

OSC RESPONSE

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

Government Publication Date: Apr 4, 2024

Facility Registry Service/Facility Index:

FINDS/FRS

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

Government Publication Date: Apr 26, 2024

Toxics Release Inventory (TRI) Program:

TRIS

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

Government Publication Date: Sep 20, 2023

PFOA/PFOS Contaminated Sites:

PFAS NPL

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

Government Publication Date: Jun 20, 2024

Federal Agency Locations with Known or Suspected PFAS Detections:

PFAS FED SITES

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

Government Publication Date: Apr 1, 2024

SSEHRI PFAS Contamination Sites:

PFAS SSEHRI

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

Government Publication Date: Jun 27, 2024

National Response Center PFAS Spills:

ERNS PFAS

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

Government Publication Date: Aug 5, 2024

PFAS NPDES Discharge Monitoring:

PFAS NPDES

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

Government Publication Date: Jul 29, 2024

Perfluorinated Alkyl Substances (PFAS) from Toxic Release Inventory:

PFAS TRI

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

Government Publication Date: Sep 20, 2023

PFAS Water Quality Portal Sampling Data:

PFAS WATER

This Per- and Poly-Fluoroalkyl Substances (PFAS) Environmental Media Sampling Data is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The Water Quality Portal (WQP), as a cooperative service sponsored by the United States Geological Survey, the EPA, and the National Water Quality Monitoring Council, is part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations, and individuals submit project details and sampling results to this public repository. Limitations: EPA did not carry out the sampling or testing of a majority of the data in the WQP PFAS dataset. EPA can only speak to the accuracy and completeness of the data from projects like the National Aquatic Resource Surveys for which EPA is the data owner/organization. Data may exist within the file on Quality Assurance Project Plans (QAPPs) and the approving agency of the QAPP, if a QAPP is entered.

Government Publication Date: Jul 22, 2024

PFAS TSCA Manufacture and Import Facilities:

PFAS TSCA

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

Government Publication Date: Jan 5, 2023

PFAS Waste Transfers from RCRA e-Manifest:

PFAS E-MANIFEST

This Per- and Poly-Fluoroalkyl Substances (PFAS) Waste Transfers dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. Every shipment of hazardous waste in the U.S. must be accompanied by a shipment manifest, which is a critical component of the cradle-to-grave tracking of wastes mandated by the Resource Conservation and Recovery Act (RCRA). According to the EPA, currently no Federal Waste Code exists for any PFAS compounds. To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: • PFAS • PFOA • PFOS • PERFL • AFFF • GENX • GEN-X (plus the Vermont state-specific waste codes). Limitations: Amount or concentration of PFAS being transferred cannot be determined from the manifest information. Keyword searches may misidentify some manifest records that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS waste transfers.

Government Publication Date: Jul 23, 2024

PFAS Industry Sectors:

PFAS IND

This Per- and Poly-Fluoroalkyl Substances (PFAS) Industry Sectors dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The EPA developed the dataset from various sources that show which industries may be handling PFAS including: EPA's Enforcement and Compliance History Online (ECHO) records restricted to potential PFAS-handling industry sectors; ECHO records for Fire Training Sites identified where fire-fighting foam may have been used in training exercises; and 14 CFR Part 139 Airports compiled from historic and current records from the FAA Airport Data and Information Portal. Since July 2006, all certificated Part 139 Airports are required to have fire-fighting foam onsite that meet certain military specifications, which to date have been fluorinated (Aqueous Film Forming Foam). Limitations: Inclusion in this dataset does not indicate that PFAS are being manufactured, processed, used, or released by the facility. Listed facilities potentially handle PFAS based on their industrial profile, but are unconfirmed by the EPA. Keyword searches in ECHO for Fire Training sites may misidentify some facilities and should not be considered to be an exhaustive list of fire training facilities in the U.S.

Government Publication Date: Jul 1, 2024

Hazardous Materials Information Reporting System:

HMIRS

The Hazardous Materials Incident Reporting System (HMIRS) database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration.

Government Publication Date: May 29, 2024

National Clandestine Drug Labs:

NCDL

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Nov 30, 2023

Toxic Substances Control Act:

TSCA

The U.S. Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule. The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI). EPA CDR collections occur approximately every four years and reporting requirements change per collection.

Government Publication Date: May 12, 2022

Hist TSCA:

HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing:

FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing:

FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List:

PRP

Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).

Government Publication Date: Jul 24, 2024

State Coalition for Remediation of Drycleaners Listing:**SCRD DRYCLEANER**

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS):**ICIS**

The Integrated Compliance Information System (ICIS) database contains integrated enforcement and compliance information across most of U.S. Environmental Protection Agency's (EPA) programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained by the EPA Headquarters and at the Regional offices. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.

Government Publication Date: Apr 13, 2024

Drycleaner Facilities:**FED DRYCLEANERS**

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. The EPA tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: May 5, 2024

Delisted Drycleaner Facilities:**DELISTED FED DRY**

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: May 5, 2024

Formerly Used Defense Sites:**FUDS**

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset which applies to the Fiscal Year 2021 FUDS Inventory.

Government Publication Date: May 15, 2023

FUDS Munitions Response Sites:**FUDS MRS**

Boundaries of Munitions Response Sites (MRS), published with the Formerly Used Defense Sites (FUDS) Annual Report to Congress (ARC) by the U.S. Army Corps of Engineers (USACE). An MRS is a discrete location within a Munitions response area (MRA) that is known to require a munitions response. An MRA means any area on a defense site that is known or suspected to contain unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC). This data is compiled from the USACE's Geospatial MRS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) MRS dataset.

Government Publication Date: May 15, 2023

Former Military Nike Missile Sites:**FORMER NIKE**

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents:**PIPELINE INCIDENT**

This list of flagged pipeline incidents is made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types. Accidents reported on hazardous liquid gravity lines (§195.13) and reporting-regulated-only hazardous liquid gathering lines (§195.15) and incidents reported on Type R gas gathering (§192.8(c)) are not included in the flagged incident file data.

Government Publication Date: May 6, 2024

Material Licensing Tracking System (MLTS):

MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites:

HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File:

MINES

The Master Index File (MIF) is provided by the United States Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

Government Publication Date: Feb 5, 2024

Surface Mining Control and Reclamation Act Sites:

SMCRA

This inventory of land and water impacted by past mining (primarily legacy coal mining operations) is maintained by the U.S. Department of the Interior's Office of Surface Mining Reclamation and Enforcement (OSMRE), as it provides information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). This inventory contains information on the type and extent of Abandoned Mine Land (AML) Problems, as well as information on the cost associated with the reclamation of those problems. The data is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed. Disclaimer: Per the OSMRE, States and tribes who enter their data into e-AMLIS (AML Inventory System) may truncate their latitude and longitude so the precise location of usually dangerous AMLs is not revealed in an effort to protect the public from searching for these AMLs, most of which are on private property. If more precise location information is needed, please contact the applicable state/tribe of interest.

Government Publication Date: May 20, 2024

Mineral Resource Data System:

MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2016

DOE Legacy Management Sites:

LM SITES

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Title II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

Government Publication Date: Dec 12, 2023

Alternative Fueling Stations:

ALT FUELS

This list of alternative fueling stations is sourced from the Alternative Fuels Data Center (AFDC). The U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG), and Renewable Diesel (R20 and above) fuel type locations.

Government Publication Date: Aug 29, 2024

Superfunds Consent Decrees:

CONSENT DECREES

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Cases filed since 2010 limited to the following: Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS); and applicable ENRD's Environmental Defense Section (EDS) CERCLA Cases with "Consent" in History Note. CMS may not reflect the latest developments in a case, nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

Government Publication Date: Jun 26, 2024

Air Facility System:

AFS

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

Government Publication Date: Oct 17, 2014

Registered Pesticide Establishments:

SSTS

This national list of active EPA-registered foreign and domestic pesticide and/or device-producing establishments is based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that each producing establishment must place its EPA establishment number on the label or immediate container of each pesticide, active ingredient or device produced. An EPA establishment number on a pesticide product label identifies the EPA registered location where the product was produced. The list of establishments is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Feb 29, 2024

Polychlorinated Biphenyl (PCB) Transformers:

PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

Government Publication Date: Oct 15, 2019

Polychlorinated Biphenyl (PCB) Notifiers:

PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: May 23, 2024

State

Pollution Emergency Alerting (PEAS):

SPILLS

The PEAS listing maintained by the Michigan Department of Environment, Great Lakes, and Energy (EGLE) points out the environmental damages/pollution, such as tanker accidents, pipeline breaks, and releases of reportable quantities of hazardous substances. Inconsistencies which existed in the data as it came from the source have not been interpreted or fixed, the data is provided as it was received from the DEQ.

Government Publication Date: Jun 3, 2024

Baseline Environmental Assessment:

BEA

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

Government Publication Date: Dec 17, 2020

Michigan PFAS Sites:**PFAS CONTAM**

A list of Per- and Polyfluoroalkyl substances (PFAS) sites made available by the Michigan Department of Environment, Great Lakes, and Energy (EGLE). A PFAS site is a property where EGLE has a valid groundwater monitoring well sample result that exceeds one or more of Michigan's seven PFAS groundwater cleanup criteria: PFOA (8 ppt), PFOS (16 ppt), PFNA (6 ppt), PFHxS (51 ppt), PFHxA (400,000 ppt), PFBS (420 ppt), and HFPO-DA (370 ppt), and based on data, EGLE has determined the property is the location of the source of PFAS contamination (e.g., fire training area where PFAS-containing foam was used).

Government Publication Date: Feb 15, 2024

Dry Cleaning Facilities:**DRYCLEANERS**

A listing of dry cleaning facilities registered with the Air Quality Division in the Michigan Department of Environment, Great Lakes, and Energy (EGLE).

Government Publication Date: Apr 25, 2024

Delisted Drycleaners List:**DELISTED DRYCLEANERS**

List of sites removed from the drycleaning facilities database made available by the Michigan Department of Environment, Great Lakes, and Energy (EGLE).

Government Publication Date: Apr 25, 2024

Perfected Liens List:**LIEN**

A list of perfected liens on properties pursuant to Section 20138 of Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), MCL 324.20101 et seq. This list is made available by the Michigan Department of Environment, Great Lakes, and Energy (EGLE), Remediation and Redevelopment Division (RRD).

Government Publication Date: May 10, 2024

Tribal

No Tribal additional environmental record sources available for this State.

County**Kalamazoo County Clandestine Drug Laboratory Locations:****CDL KALAMAZOO**

The Kalamazoo County Health & Community Services, Environmental Health Division maintains this list of Clandestine Drug Laboratory locations since 2004.

Government Publication Date: Feb 28, 2024

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

Appendix D

Aerial Photograph Documentation



HISTORICAL AERIALS

Project Property: 705 North Graham Road
705 North Graham Road
Saginaw MI 48609

Project No: 6411s2-1-17

Requested By: AKT Peerless

Order No: 24100300191

Date Completed: October 08,2024

Aerial Maps included in this report are produced by the sources listed above and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property. ERIS provides no warranty of accuracy or liability. The information contained in this report has been produced using aerial photos listed in above sources by ERIS Information Inc. (in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS'. The maps contained in this report do not purport to be and do not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

Environmental Risk Information Services

A division of Glacier Media Inc.

1.866.517.5204 | info@erisinfo.com | erisinfo.com

Date	Source	Scale	Comments
2020	United States Department of Agriculture	1" = 500'	
2018	United States Department of Agriculture	1" = 500'	
2016	Maxar Technologies	1" = 500'	
2014	United States Department of Agriculture	1" = 500'	
2012	United States Department of Agriculture	1" = 500'	
2010	United States Department of Agriculture	1" = 500'	
2009	United States Department of Agriculture	1" = 500'	
2006	United States Department of Agriculture	1" = 500'	
2005	United States Department of Agriculture	1" = 500'	
1998	United States Geological Survey	1" = 500'	
1992	United States Geological Survey	1" = 500'	Best Copy Available
1983	United States Geological Survey	1" = 500'	
1974	United States Geological Survey	1" = 500'	
1963	Agricultural Stabilization & Conserv. Service	1" = 500'	
1954	United States Geological Survey	1" = 500'	
1950	Agricultural Stabilization & Conserv. Service	1" = 500'	
1941	Agricultural Stabilization & Conserv. Service	1" = 500'	
1937	Agricultural Stabilization & Conserv. Service	1" = 500'	

Environmental Risk Information Services

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500
Feet

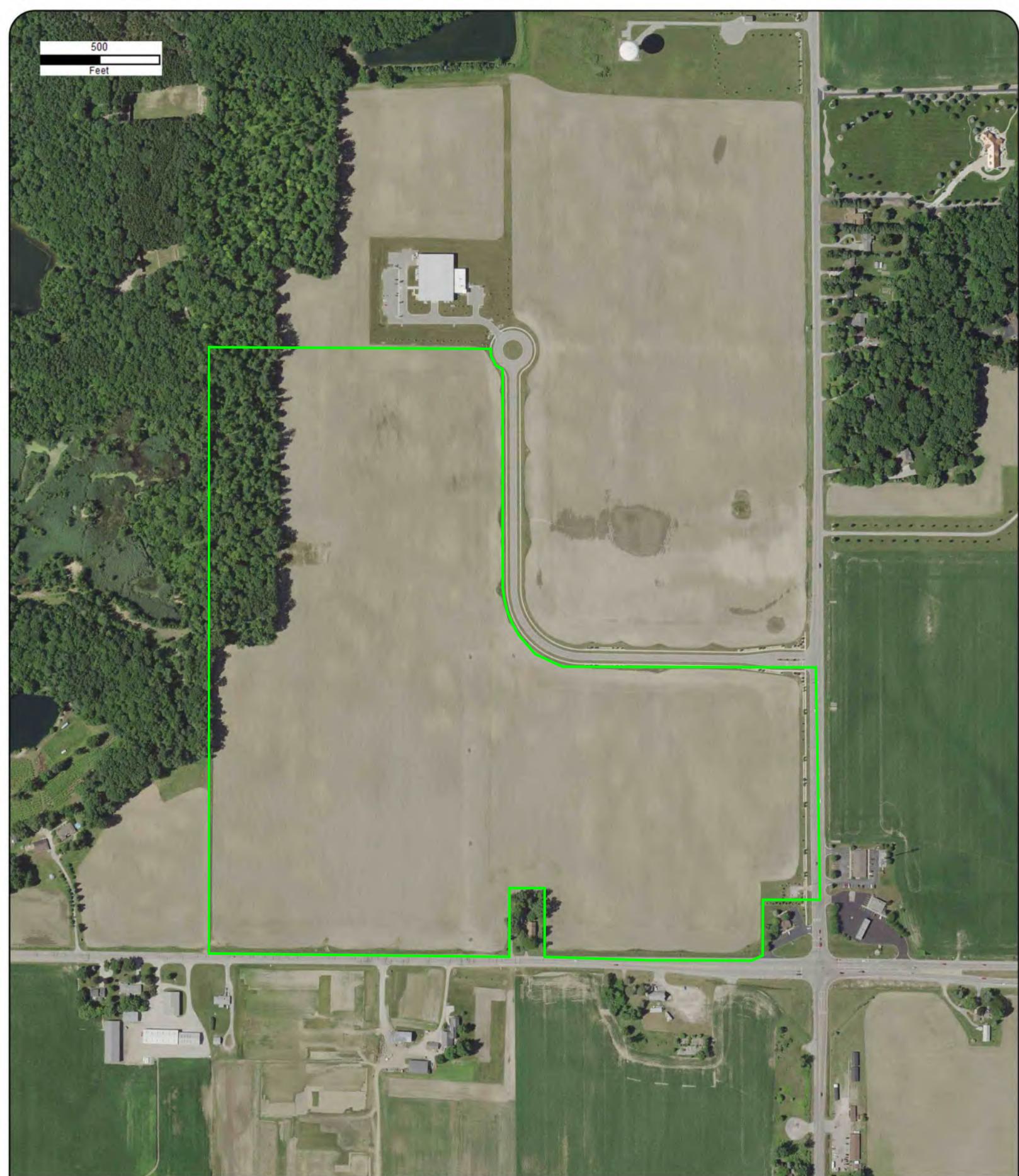


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Approx Center: -84.13665531,43.41947792

Order No: 24100300191

500
Feet



Year: 2018
Source: USDA
Scale: 1" = 500'
Comment:

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Approx Center: -84.13665531,43.41947792

Order No: 24100300191

500
Feet



Year: 2016
Source: MAXAR
Scale: 1" = 500'
Comment:

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Approx Center: -84.13665531,43.41947792

Order No: 24100300191

500
Feet



Year: 2014
Source: USDA
Scale: 1" = 500'
Comment:

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Approx Center: -84.13665531,43.41947792

Order No: 24100300191

500
Feet



Year: 2012
Source: USDA
Scale: 1" = 500'
Comment:

Address: 705 North Graham Road, Saginaw, MI
Approx Center: -84.13665531,43.41947792

Order No: 24100300191

E R I S 

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Feet



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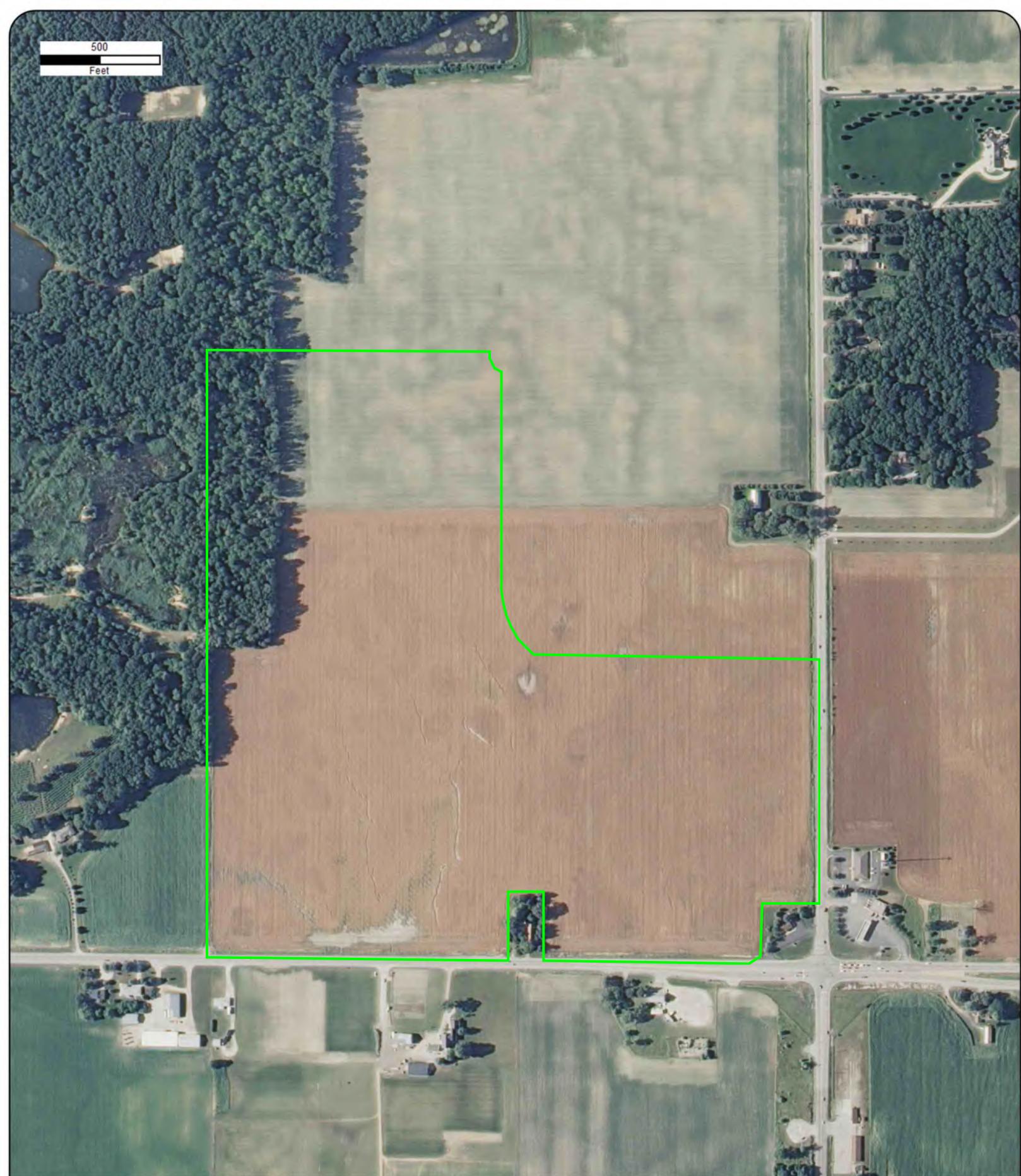
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Order No: 24100300191

ERIS

500

Feet



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Source: USDA
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Order No: 24100300191

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Feet

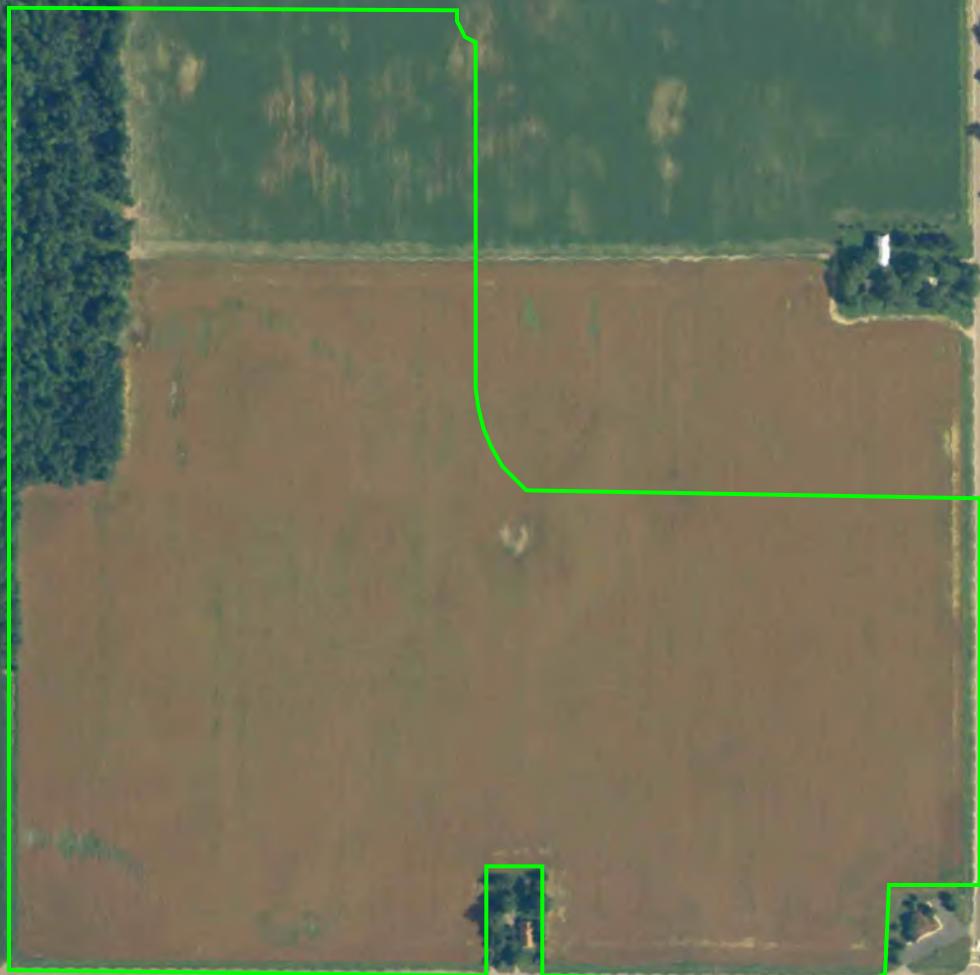


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Approx Center: -84.13665531,43.41947792

Order No: 24100300191

500
Feet



Year: 2005
Source: USDA
Scale: 1" = 500'
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Approx Center: -84.13665531,43.41947792

Order No: 24100300191

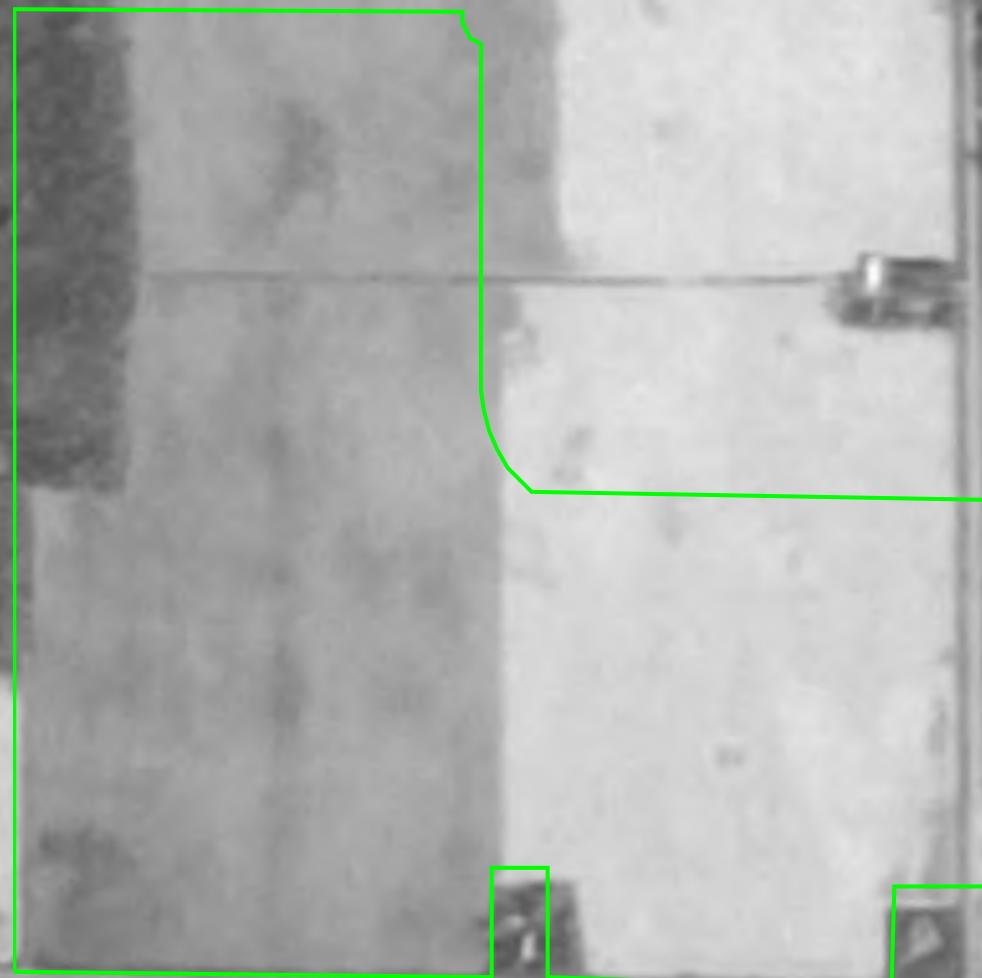
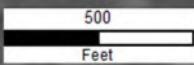
500
Feet



Year: 1998
Source: USGS
Scale: 1" = 500'
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Approx Center: -84.13665531,43.41947792

Order No: 24100300191

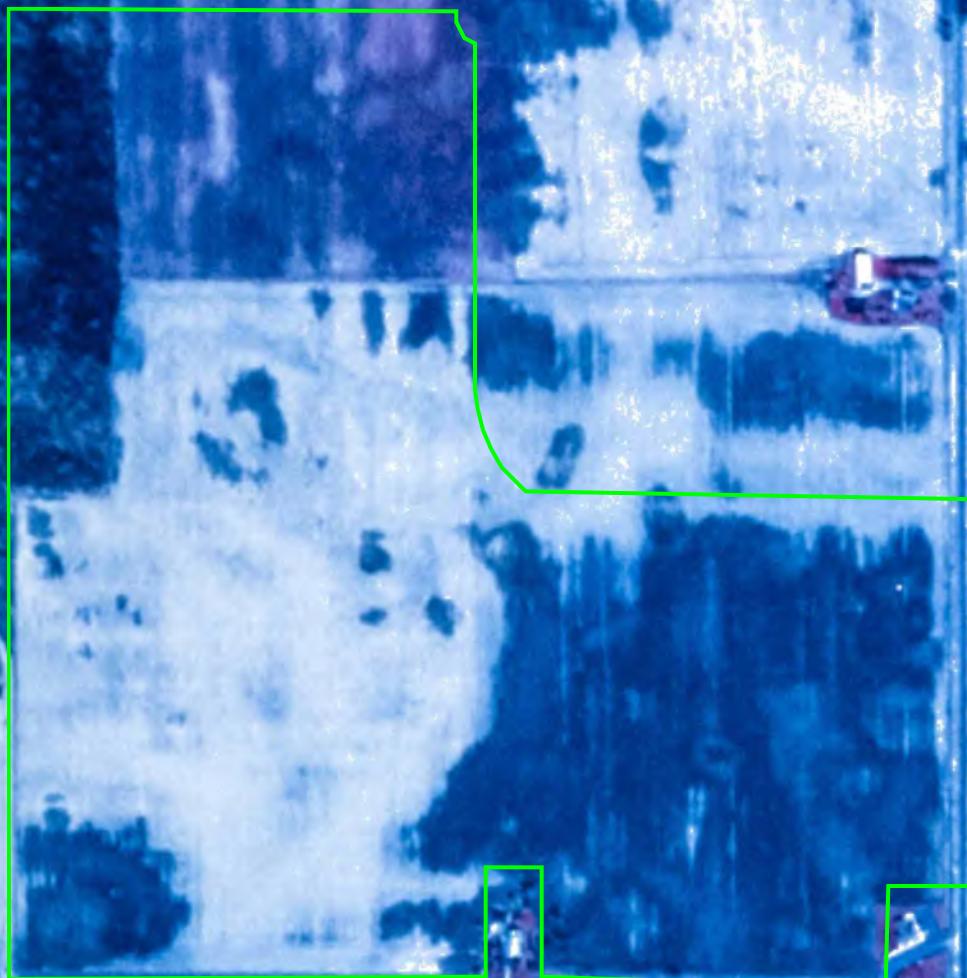


Year: 1992
Source: USGS
Scale: 1" = 500'
Comment: Best Copy Available

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Approx Center: -84.13665531,43.41947792

Order No: 24100300191

500
Feet



Year: 1983
Source: USGS
Scale: 1" = 500'
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Approx Center: -84.13665531,43.41947792

Order No: 24100300191

500

Feet



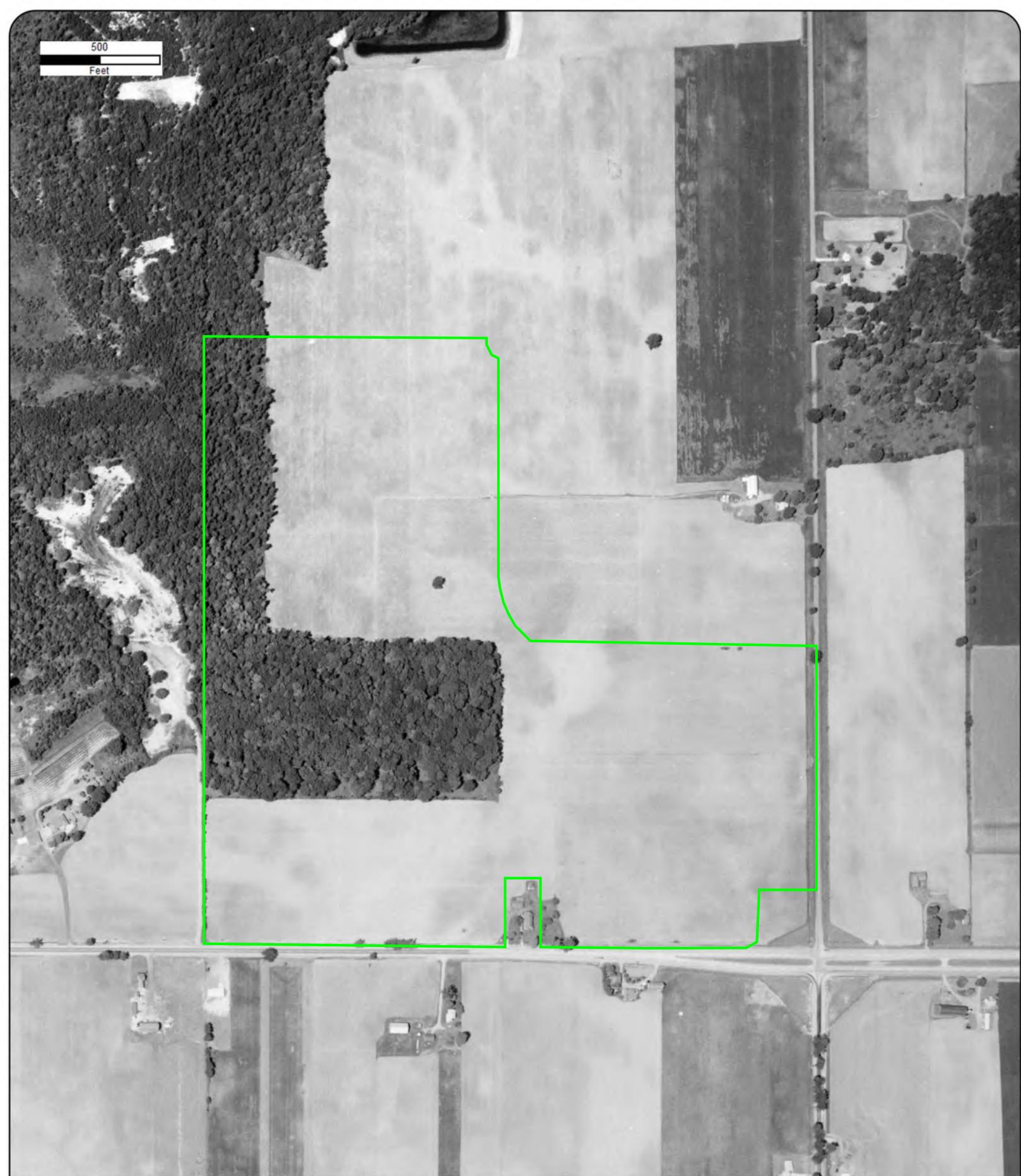
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Approx Center: -84.13665531,43.41947792

Order No: 24100300191

500

Feet



Year: 1963
Source: ASCS
Scale: 1" = 500'
Comment:

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Approx Center: -84.13665531,43.41947792

Order No: 24100300191

500

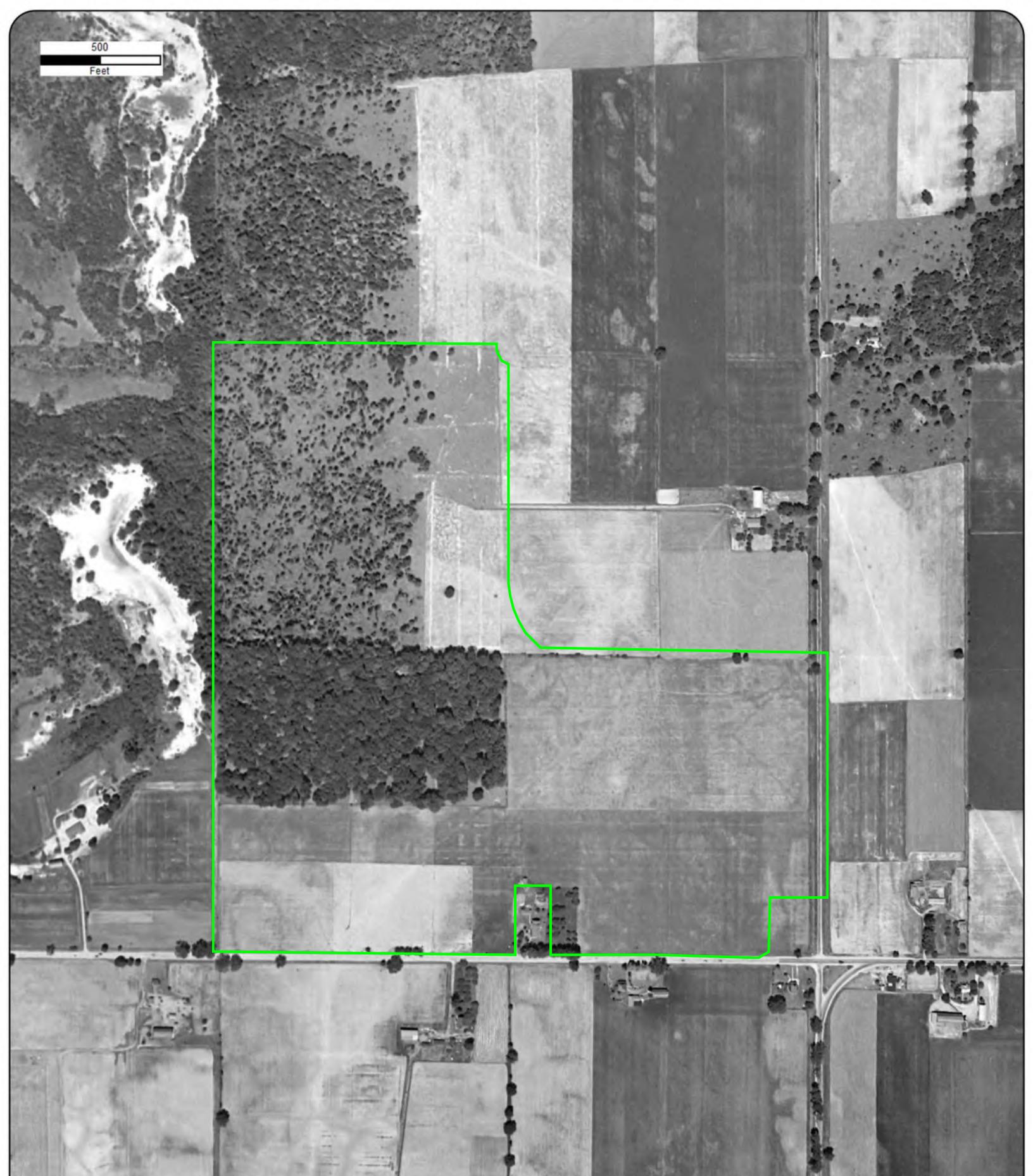
Feet



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Comment:

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Approx Center: -84.13665531,43.41947792

Order No: 24100300191



500

Feet

Year: 1950
Source: ASCS
Scale: 1" = 500'
Comment:

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Approx Center: -84.13665531,43.41947792

Order No: 24100300191



Year: 1941
Source: ASCS
Scale: 1" = 500'
Comment:

Address: 705 North Graham Road, Saginaw, MI
Approx Center: -84.13665531,43.41947792

Order No: 24100300191



500

Feet

Year: 1937
Source: ASCS
Scale: 1" = 500'
Comment:

Address: 705 North Graham Road, Saginaw, MI
Approx Center: -84.13665531,43.41947792

Order No: 24100300191

Appendix E

Other Relevant Documentation

Client Questionnaire Responses

1. Respondent Name

Tim Dempsey

2. **Respondent Title **

Senior Vice President

3. **Respondent Company **

Saginaw Future Inc.

4. Date

2024-10-03

5. Full Subject Project Address (Address, City, State)

Great Lakes Tech Park, NW corner M-46/Graham Rd.

6. **AKT Peerless Project Number **

6411s2-1-17

7. Was a search of land title records (or judicial records) completed to identify environmental liens filed or recorded against the subject property?

Yes

8. Please provide details of land title records (or judicial records) completed to identify environmental liens filed or recorded against the subject property.

Oil, mineral, and gas leases which have expired.

9. Did the recorded land title records search reveal Activity Use Limitations (e.g., engineering controls, land use restrictions, and/or institutional controls) that limit the allowable use of the subject property?

Unknown

10. **Do you have any specialized knowledge or experiences related to the subject property or nearby properties? **

Yes

11. Please provide details of any specialized knowledge or experiences related to the subject property or nearby properties.

Property was acquired for a high-tech/light-industrial park, two sites have been developed. The remainder is leased as farmland until buyers are identified.

12. Do you have actual knowledge regarding environmental lien or Activity Use Limitations (e.g., Commercial-use Deed Restriction) associated with the subject property?

No

13. Does the purchase price being paid for this property reasonably reflect the fair market value of the subject property?

Yes

14. Are you aware of information about the subject property that would help the environmental professional identify chemical or petroleum releases or threatened releases?

No

15. What is the past use of the subject property?

Farmland

16. Do you know of specific chemicals that are present or were once present at the subject property?

No

17. Do you know of spills or other chemical releases that have occurred at the subject property?

No

18. Do you know of any environmental cleanups that have taken place at the subject property?

No

19. Are you aware of obvious indicators that point to the presence or likely presence of contamination at the subject property?

No

20. Why did you retain AKT Peerless to perform this Phase I ESA (e.g., purchase, refinance, insurance purposes, etc.)?

This property is part of MEDC's MI-Sites Program. It was recently given a "Bronze" designation. In order to receive "Silver" or "Gold" the site must have a more current (within 36 months) Phase I. The original Phase I was completed in 2009.

21. Are there any special terms and conditions that apply to the completion of this Phase I ESA (e.g., access limitations, confidentiality, etc.)?

None

22. **Do you have access to the following? **

Surveys (ALTA, site plan, boundary, etc.), preferably in CAD format, Previous environmental reports (e.g., assessments, investigations, compliance audits, closure reports, no further action reports, cleanup, hydrogeologic, hazardous waste generation/treatment/disposal, geotechnical studies, etc.), Land title records (e.g., Preliminary Title Reports, Title Commitments, Deed Restrictions, Condition of Title, Title Abstracts, etc.)

23. Use this link to upload files for our review

https://api.typeform.com/responses/files/f66b62a2630b3a699350e654c2f546cf61e803fa0d30051b41e4758d665906ee/6a_b_Controlling_Entity_Letter__Great_Lakes_Tech_Park_REVISED.pdf

24. Token

9to5d57h67ebit88e59to5dbuqv1iyo

25. Submitted at

2024-10-03 15:14:01 +0000 UTC

Knowledgeable Party Questionnaire Responses

1. Respondent Name

Tim Dempsey

2. **Respondent Title **

Senior Vice President

3. **Respondent Company **

Saginaw Future

4. Please provide your email

tdempsey@saginawfuture.com

5. Please provide your phone number

+19897572109

6. Date

2024-10-03

7. Subject Property Address (Address, City, State)

Great Lakes Tech Park, NW corner of M-46 and Graham Rd.

8. **AKT Peerless Project Number **

6411s2-1-17

9. How long have you been familiar with the subject property?

1 year (but colleagues 15 years)

10. Please list the names of previous occupants of the property.

Property is vacant land.

11. Have previous environmental assessments of the subject property been performed?

Yes

12. Please list those previous reports here and contact us so we can review those documents.

AKT Peerless Project No. 6411s-1-17

13. Has the subject property ever been used for industrial purposes?

No

14. Has the subject property been used for the following?

None of the above

15. Have any of the following been used or stored at the subject property?

None of the above

16. Has fill material (e.g., soil, topsoil, sand, dirt, gravel, crushed concrete or brick, foundry sand, etc.) ever been brought onto the subject property?

Unknown

17. Have hazardous substances, petroleum products, waste materials, tires, batteries, drums, or other materials been dumped, buried, and/or burned at the subject property?

No

18. Have you ever observed any of the following at the subject property?

None of the above

19. What fuel source is used to heat structures at the subject property?

Not applicable (no heated structures)

20. Please select the potable water service associated with the subject property.

Municipal (public) water service

21. Please select the sanitary waste disposal utilized at the subject property.

Municipal sanitary sewer

22. **Are you aware of any of the following administrative controls filed or recorded against the subject property? **

None of the above

23. Are you aware of subsurface contamination from hazardous substances or petroleum products at the subject property?

No

24. **Are you aware of any of the following engineering controls installed to prevent exposure from contamination at the subject property? **

None of the above

25. Does the subject property discharge waste water (other than precipitation) into the sewer system (storm or sanitary)?

No

26. Are there any past, threatened, or pending lawsuits or administrative proceedings concerning a release of hazardous substances or petroleum products involving the subject property?

No

27. Have polychlorinated biphenyls (PCBs) been detected in electrical or hydraulic equipment at the subject property?

No

28. Have asbestos-containing materials (ACM) been identified at the subject property?

No

29. Have lead-based paints (LBPs) been detected at the subject property?

No

30. Have there been indications of moisture intrusion, mildew-like odors, or visible mold growth inside structures at the subject property?

No



31. Is the subject property located in an environmentally sensitive area (i.e., wetlands, coastal barrier resource areas, coastal barrier improvement act areas, flood plains, endangered species, etc.)?

Yes

32. Please provide more detail regarding the environmentally sensitive area.

Western portion of the property is in a designated wetland.

33. Are you aware of environmental compliance violations issued to the subject property by a regulatory authority?

No

34. Have any ADJOINING PROPERTIES been used for the following?

Industrial or manufacturing

35. Do you have access to any of the following documents pertaining to the subject property?

Surveys (ALTA, site plan, boundary, etc.), preferably in CAD format, Previous environmental reports (e.g., assessments, investigations, compliance audits, closure reports, no further action reports, cleanup, hydrogeologic, hazardous waste generation/treatment/disposal, geotechnical studies, etc.), Land title records (e.g., Preliminary Title Reports, Title Commitments, Deed Restrictions, Condition of Title, Title Abstracts, etc.)

36. **Applicable Documents **

https://api.typeform.com/responses/files/0d14d27d19d55f2605b4c5bc89b09a50a826f4f0c86e38c5e8fd568cd1bfe4ee/G6__ALTA_Survey.pdf

37. **Additional Comments from Key Site Contact **

We have updated title work coming for the project. We also have the original Phase 1 but it's over 10 MB for uploading.

38. Token

rh37rlc4n57bzbrh37wv5m5c20rteqa

39. Submitted at

2024-10-03 15:24:01 +0000 UTC



CITY
DIRECTORY

Project Property: *705 North Graham Road
705 North Graham Road
Saginaw, MI 48609*

Project No: *6411s2-1-17*

Requested By: *AKT Peerless*

Order No: *24100300191*

Date Completed: *October 09, 2024*

October 09, 2024
RE: CITY DIRECTORY RESEARCH
705 North Graham Road
Saginaw, MI 48609

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest address(es) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:

10000-12000 of Gratiot Rd
BEG-1500 of N Graham Rd
ALL of Sunshine Dr

Search Notes:

Search Results Summary

Date	Source	Comment
2023	DIGITAL BUSINESS DIRECTORY	
2020	DIGITAL BUSINESS DIRECTORY	
2016	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2008	DIGITAL BUSINESS DIRECTORY	
2003	DIGITAL BUSINESS DIRECTORY	
2000	DIGITAL BUSINESS DIRECTORY	
1997	POLKS	
1995	POLKS	
1990	POLKS	
1985	POLKS	
1979-80	POLKS	
1975	POLKS	
1970	POLKS	
1965	POLKS	
1960	POLKS	
1955	POLKS	
1950	POLKS	
1946	POLKS	
1941	POLKS	
1936	POLKS	
1931	POLKS	
1927	POLKS	

Environmental Risk Information Services

A division of Glacier Media Inc.

1.866.517.5204 | info@erisinfo.com | erisinfo.com

2023

GRATIO RD

SOURCE: DIGITAL BUSINESS DIRECTORY

10048 JOHN SLATTERY...RESIDENTIAL
 10060 ERIN FRYE...RESIDENTIAL
 10076 BRET BREMER...RESIDENTIAL
 10076 SHAWNIE BREMER...RESIDENTIAL
 10090 THERESIA BINDER...RESIDENTIAL
 10255 HOMECRAFT BARNS...HOME IMPROVEMENTS
 10255 HOMECRAFT BARNS...FEDERAL GOVERNMENT CONTRACTORS
 10255 HOMECRAFT BARNS...SHEDS-TOOL & UTILITY
 10260 F OLDENBURG...RESIDENTIAL
 10260 JAMES OLDENBURG...RESIDENTIAL
 10260 JOHN OLDENBURG...RESIDENTIAL
 10740 JENNIFER SALOWITZ...RESIDENTIAL
 10875 DENISE TRINKLEIN...RESIDENTIAL
 10950 7 ELEVEN...CONVENIENCE STORES
 10950 MOBIL...SERVICE STATIONS-GASOLINE & OIL
 11020 FCS MORTGAGE...LOANS
 11020 FCS MORTGAGE...FINANCING
 11020 GREEN STONE FARM CREDIT SVC...TAX RETURN PREPARATION & FILING
 11020 GREEN STONE FARM CREDIT SVC...REAL ESTATE LOANS
 11020 GREENSTONE FARM CREDIT SVC...CREDIT UNIONS
 11020 GREENSTONE FARM CREDIT SVC...FEDERALLY CHARTERED CREDIT UNIONS
 11145 JUBILEE POOL & SPA...SWIMMING POOL CONTRS DEALERS & DESIGNERS
 11200 ANITA SCHCFZER...RESIDENTIAL
 11200 ANITA SCHERZER...RESIDENTIAL
 11265 SARA ARMSTRONG...RESIDENTIAL
 11285 SAGINAW VALLEY SOD FARMS...SOD & SODDING SERVICE
 11285 SAGINAW VALLEY SOD FARMS...FARM MARKETS
 11500 BLUEBERRIES GALORE FARM...NONCLASSIFIED ESTABLISHMENTS
 11515 MARILYN TRINKLEIN...RESIDENTIAL
 11515 TRINKLEIN FARMS...FARMS
 11535 DAVID TRINKLEIN...RESIDENTIAL
 11580 ANNMARIE JAMES...RESIDENTIAL
 11700 WURTZEL GARDEN CTR...GREENHOUSES
 11700 WURTZEL GARDEN CTR...NURSERYMEN
 11746 RICHARD GREYERBIEHL...RESIDENTIAL
 11780 MIKE FROST...RESIDENTIAL
 11810 JOYCE SCHUMACHER...RESIDENTIAL
 11840 SHANNON ROBBINS...RESIDENTIAL
 11860 JULIE KRUEGER...RESIDENTIAL
 11860 SUE KRUEGER...RESIDENTIAL
 11935 BELIA TAFOYA...RESIDENTIAL
 11935 DOREEN TAFOYA...RESIDENTIAL
 11980 ERSKINE FEED & SUPPLY...FEED-DEALERS (WHLS)
 11980 LONE STAR WESTERN STORE...HORSE BREEDERS
 11980 LONE STAR WESTERN STORE...WESTERN APPAREL
 11980 U HAUL...TRUCK RENTING & LEASING

2023 N GRAHAM RD

SOURCE: DIGITAL BUSINESS DIRECTORY

178 NATURAL RESOURCES CONSERVATION...FEDERAL GOVERNMENT-CONSERVATION DEPTS
 178 US AGRICULTURAL DEPT...GOVERNMENT OFFICES-US
 178 US AGRICULTURAL DEPT...STATE GOVERNMENT CONSERVATION DEPTS
 696 GAIL LAZZARO...RESIDENTIAL
 696 JAMES LAZZARO...RESIDENTIAL
 810 CAITLYN PLAMBECK...RESIDENTIAL
 810 MALLORY PLAMBECK...RESIDENTIAL
 900 BARIE BURZYNSKI...RESIDENTIAL
 1006 PHILIP PREZZATO...RESIDENTIAL
 1010 KATHLEEN BRUCE...RESIDENTIAL
 1010 RICHARD BRUCE...RESIDENTIAL
 1028 LARRY GRONSKI...RESIDENTIAL
 1028 SYLVIA GRONSKI...RESIDENTIAL
 1060 JOSEPH KRZYZANIAK...RESIDENTIAL
 1060 SHELLEY KRZYZANIAK...RESIDENTIAL
 1080 RONALD ROSE...RESIDENTIAL
 1110 KATHLEEN FLEMING...RESIDENTIAL
 1110 MARK FLEMING...RESIDENTIAL
 1118 ERIN MOORE...RESIDENTIAL
 1128 CONNIE SIVEY...RESIDENTIAL
 1128 CONSTANCE KOSTRZEWIA...RESIDENTIAL
 1134 GAIL WOLGAST...RESIDENTIAL
 1134 PATRICK WOLGAST...RESIDENTIAL

2023

SUNSHINE DR

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2020

GRATIOT RD

SOURCE: DIGITAL BUSINESS DIRECTORY

10060 ERIN FRYE...RESIDENTIAL
10076 BRET BREMER...RESIDENTIAL
10090 THERESIA BINDER...RESIDENTIAL
10255 HOME CRAFT BARNS...SHEDS-TOOL & UTILITY
10255 HOME CRAFT BARNS...FEDERAL GOVERNMENT CONTRACTORS
10255 HOME CRAFT BARNS...HOME IMPROVEMENTS
10260 F OLDENBURG...RESIDENTIAL
10260 LORETTA OLDENBURG...RESIDENTIAL
10875 DENISE TRINKLEIN...RESIDENTIAL
10950 7-ELEVEN...CONVENIENCE STORES
10950 MOBIL...SERVICE STATIONS-GASOLINE & OIL
11020 FCS MORTGAGE...FINANCING
11020 FCS MORTGAGE...LOANS
11020 GREEN STONE FARM CREDIT SVC...REAL ESTATE LOANS
11020 GREEN STONE FARM CREDIT SVC...TAX RETURN PREPARATION & FILING
11020 GREENSTONE FARM CREDIT SVC...CREDIT UNIONS
11020 GREENSTONE FARM CREDIT SVC...FEDERALLY CHARTERED CREDIT UNIONS
11145 JUBILEE POOL & SPA...SWIMMING POOL CONTRS DEALERS & DESIGNERS
11200 ANITA SCHCFZER...RESIDENTIAL
11285 SAGINAW VALLEY SOD FARMS...SOD & SODDING SERVICE
11285 SAGINAW VALLEY SOD FARMS...FARM MARKETS
11515 MARILYN TRINKLEIN...RESIDENTIAL
11515 TRINKLEIN FARMS...FARMS
11535 DAVID TRINKLEIN...RESIDENTIAL
11580 ANNMARIE JAMES...RESIDENTIAL
11700 WURTZEL GARDEN CTR...NURSERYMEN
11700 WURTZEL GARDEN CTR...GREENHOUSES
11746 RICHARD GREYERBIEHL...RESIDENTIAL
11780 MIKE FROST...RESIDENTIAL
11810 JOYCE SCHUMACHER...RESIDENTIAL
11840 SHANNON ROBBINS...RESIDENTIAL
11860 JULIE KRUEGER...RESIDENTIAL
11935 BELIA TAFOYA...RESIDENTIAL
11935 DOUGLAS TAFOYA...RESIDENTIAL
11980 ERSKINE FEED & SUPPLY...FEED-DEALERS (WHLS)
11980 LONE STAR WESTERN STORE...HORSE BREEDERS
11980 LONE STAR WESTERN STORE...WESTERN APPAREL
11980 U-HAUL...TRUCK RENTING & LEASING

178 **NATURAL RESOURCES CONSERVATION**...FEDERAL GOVERNMENT-
CONSERVATION DEPTS
178 **US AGRICULTURAL DEPT**...GOVERNMENT OFFICES-US
178 **US AGRICULTURAL DEPT**...STATE GOVERNMENTCONSERVATION DEPTS
696 **GAIL LAZZARO**...RESIDENTIAL
810 **CAITLYN PLAMBECK**...RESIDENTIAL
900 **BARIE BURZYNSKI**...RESIDENTIAL
1006 **PHILIP PREZZATO**...RESIDENTIAL
1010 **KATHLEEN BRUCE**...RESIDENTIAL
1028 **LARRY GRONSKI**...RESIDENTIAL
1028 **SYLVIA GRONSKI**...RESIDENTIAL
1060 **JOSEPH KRZYZANIAK**...RESIDENTIAL
1060 **SHELLEY KRZYZANIAK**...RESIDENTIAL
1080 **RONALD ROSE**...RESIDENTIAL
1110 **KATHLEEN FLEMING**...RESIDENTIAL
1110 **MARK FLEMING**...RESIDENTIAL
1118 **ERIN MOORE**...RESIDENTIAL
1128 **CONSTANCE KOSTRZEWIA**...RESIDENTIAL
1134 **GAIL WOLGAST**...RESIDENTIAL

NO LISTING FOUND

10060 ERIN FRYE...RESIDENTIAL
 10060 JEREMY FRYE...RESIDENTIAL
 10075 WEST VALLEY SELF SERVE STORAGE...STORAGE-HOUSEHOLD & COMMERCIAL
 10075 WEST VALLEY SELF SERVE STORAGE...BOAT STORAGE
 10076 BRET BREMER...RESIDENTIAL
 10076 SHAWNIE BREMER...RESIDENTIAL
 10090 THERESIA BINDER...RESIDENTIAL
 10255 HOME CRAFT BARNS...HOME IMPROVEMENTS
 10255 HOME CRAFT BARNS...SHEDS-TOOL & UTILITY
 10260 F OLDENBURG...RESIDENTIAL
 10260 JAMES OLDENBURG...RESIDENTIAL
 10260 JOHN OLDENBURG...RESIDENTIAL
 10260 LORETTA OLDENBURG...RESIDENTIAL
 10425 ADOLPH ARIZOLA JR...RESIDENTIAL
 10425 LINDA ARIZOLA...RESIDENTIAL
 10740 JAMES LAMB...RESIDENTIAL
 10875 DENISE TRINKLEIN...RESIDENTIAL
 10875 JOHN TRINKLEIN...RESIDENTIAL
 10950 7-ELEVEN...SERVICE STATIONS-GASOLINE & OIL
 10950 7-ELEVEN...CONVENIENCE STORES
 10950 ATM...AUTOMATED TELLER MACHINES
 11020 FCS MORTGAGE...LOANS
 11020 GREENSTONE FARM CREDIT SVC...CREDIT UNIONS
 11145 JUBILEE POOL & SPA...SWIMMING POOL CONTRS DEALERS & DESIGNERS
 11200 ROCKWELL SCHERZER...RESIDENTIAL
 11200 ROCKWELL SCHERZER ISA CAPP...APPRAISERS
 11285 SAGINAW VALLEY SOD FARMS...FARM MARKETS
 11285 SAGINAW VALLEY SOD FARMS...SOD & SODDING SERVICE
 11500 BLUEBERRIES GALORE FARM...NONCLASSIFIED ESTABLISHMENTS
 11515 MARILYN TRINKLEIN...RESIDENTIAL
 11515 STAFFORD TRINKLEIN SR...RESIDENTIAL
 11515 TRINKLEIN FARMS...FARMS
 11515 TRINKLEIN FARMS...AGRICULTURAL TECHNICIANS
 11535 DAVID TRINKLEIN...RESIDENTIAL
 11535 JULIE TRINKLEIN...RESIDENTIAL
 11580 ANNMARIE JAMES...RESIDENTIAL
 11580 JOSEPH JAMES...RESIDENTIAL
 11700 WURTZEL GARDEN CTR...NURSERYMEN
 11700 WURTZEL GARDEN CTR...GREENHOUSES
 11746 RICHARD GREYERBIEHL...RESIDENTIAL
 11780 MIKE FROST...RESIDENTIAL
 11810 JOYCE SCHUMACHER...RESIDENTIAL
 11810 RONALD SCHUMACHER...RESIDENTIAL
 11840 JOSEPH ROBBINS JR...RESIDENTIAL
 11840 SHANNON ROBBINS...RESIDENTIAL
 11860 JULIE KRUEGER...RESIDENTIAL
 11860 SUE KRUEGER...RESIDENTIAL
 11935 BELIA TAFOYA...RESIDENTIAL
 11935 DOREEN TAFOYA...RESIDENTIAL
 11935 DOUGLAS TAFOYA...RESIDENTIAL
 11979 ARLENE FRANK...RESIDENTIAL
 11980 ERSKINE FEED & SUPPLY...FEED-DEALERS (WHLs)
 11980 LONE STAR WESTERN STORE...WESTERN APPAREL
 11980 LONE STAR WESTERN STORE...HORSE BREEDERS
 11980 MONEY CONCEPTS...FINANCIAL ADVISORY SERVICES
 11980 MONEY CONCEPTS...FINANCIAL PLANNING CONSULTANTS

178 NATURAL RESOURCES CONSERVATION...FEDERAL GOVERNMENT-CONSERVATION DEPTS
 178 SAGINAW CONSERVATION DISTRICT...FEDERAL GOVERNMENT-CONTRACTORS
 178 SAGINAW CONSERVATION DISTRICT...SOIL CONSERVATION SERVICE
 178 US AGRICULTURAL DEPT...GOVERNMENT OFFICES-US
 178 US CONSOLIDATED FARM SVC AGCY...GOVERNMENT OFFICES-US
 696 GAIL LAZZARO...RESIDENTIAL
 696 JAMES LAZZARO...RESIDENTIAL
 810 CAITLYN PLAMBECK...RESIDENTIAL
 810 DAVID PLAMBECK...RESIDENTIAL
 810 LYNNE PLAMBECK...RESIDENTIAL
 810 MALLORY PLAMBECK...RESIDENTIAL
 810 RACHEL PLAMBECK...RESIDENTIAL
 900 BARIE BURZYNSKI...RESIDENTIAL
 900 FREDERICK BURZYNSKI...RESIDENTIAL
 1006 PHILIP PREZZATO...RESIDENTIAL
 1006 KATHLEEN BRUCE...RESIDENTIAL
 1010 RICHARD BRUCE...RESIDENTIAL
 1010 LARRY GRONSKI...RESIDENTIAL
 1028 SYLVIA GRONSKI...RESIDENTIAL
 1060 JOSEPH KRZYZANIAK...RESIDENTIAL
 1060 SHELLEY KRZYZANIAK...RESIDENTIAL
 1080 RONALD ROSE...RESIDENTIAL
 1080 SANDRA ROSE...RESIDENTIAL
 1118 ERIN MOORE...RESIDENTIAL
 1118 KEVIN MOORE...RESIDENTIAL
 1128 CONSTANCE KOSTRZEWIA...RESIDENTIAL
 1134 GAIL WOLGAST...RESIDENTIAL
 1134 PATRICK WOLGAST...RESIDENTIAL

NO LISTING FOUND

73 total records. Part 1 of 2

10040 JOSEPH PREMO...RESIDENTIAL
 10060 ERIN FAYE...RESIDENTIAL
 10060 JEREMY FAYE...RESIDENTIAL
 10060 JEREMY FRYE...RESIDENTIAL
 10075 **WEST VALLEY SELF SERVE STORAGE**...MINIWAREHOUSE & SELF-STORAGE
 UNIT OPERATORS
 10075 **WEST VALLEY SELF SERVE STORAGE**...WAREHOUSING SELF STOR
 10075 **WEST VALLEY SELF SERVE STORAGE**...STORAGE-HOUSEHOLD &
 COMMERCIAL
 10076 BRET BREMER...RESIDENTIAL
 10076 SHAWNIE BREMER...RESIDENTIAL
 10090 JOSEPH MURIN...RESIDENTIAL
 10255 HOMECRAFT BARNS...RESIDENTIAL REMODELERS
 10255 HOMECRAFT BARNS...HOME IMPROVEMENTS
 10255 HOMECRAFT BUILDING...GEN REMOD 1-FAM HOUSE
 10255 HOMECRAFT REMODELING...GARAGE & DECK CONSTRUCTION
 10260 JAMES OLDENBURG...RESIDENTIAL
 10260 LORETTA OLDENBURG...RESIDENTIAL
 10425 SCOTT BEAGLE...RESIDENTIAL
 10950 7 ELEVEN...CONVENIENCE STORES
 10950 7-ELEVEN...CONVENIENCE STORES
 10950 **SEVEN ELEVEN FOOD STORES**...CONVEN STORES CHAIN
 11020 F CS MORTGAGE...REAL ESTATE LOANS
 11020 FCS MORTGAGE...MORTGAGE BANKER/CORRESPONDENT
 11020 **GREEN STONE FARM CREDIT SVC**...MORTGAGE BANKERS
 11020 **GREEN STONE FARM CREDIT SVC**...REAL ESTATE LOANS
 11020 **GREEN STONE FARM CREDIT SVC**...REAL ESTATE CREDIT
 11145 JUBILEE POOL & SPA...RADIO & TV REPAIR
 11145 JUBILEE POOL & SPA...STORE RETAILERS NOT SPECIFIED ELSEWHERE
 11145 JUBILEE POOL & SPA...HOT TUBS & SPAS
 11200 ANITA SCHERZER...RESIDENTIAL
 11200 ROCKWELL SCHERZER...RESIDENTIAL
 11200 ROCKWELL SCHERZER ISA CAPP...APPRAISERS
 11200 ROCKWELL SCHERZER ISA CAPP...ALL OTHER PROFESSIONAL & TECHNICAL
 SVCS
 11265 MICKI FERGUSON...RESIDENTIAL
 11265 MILDRED FERGUSON...RESIDENTIAL
 11285 SAGINAW VALLEY SOD FARMS...LAWN SERVICES
 11285 SAGINAW VALLEY SOD FARMS...LANDSCAPING SVCS
 11285 SAGINAW VALLEY SOD FARMS...SOD & SODDING SERVICE
 11491 DONALD LEDDY...LOCAL TRUCKING-WITH STORAGE
 11491 DONALD LEDDY...RESIDENTIAL
 11491 DONALD LEDDY TRUCKING...LOCAL TRUCKING,W/O STR
 11491 DONALD LEDDY TRUCKING...GENERAL FREIGHT TRUCKING, LOCAL
 11491 DONALD LEGGY...RESIDENTIAL
 11491 L DONALD...RESIDENTIAL
 11500 **BLUEBERRIES GALORE FARM**...NONCLASSIFIED ESTABLISHMENTS
 11500 JAMES & JAMES...NONCLASSIFIED ESTABLISHMENTS
 11515 MARILYN TRINKLIN...RESIDENTIAL
 11515 STAFFORD TRINKLIN...RESIDENTIAL
 11515 TRINKLEIN FARMS...FARMS
 11515 TRINKLEIN FARMS...ALL OTHER MISCELLANEOUS CROP FARMING
 11515 TRINKLEIN FARMS...GENERAL CROP FARMS
 11535 DAVID TRINKLEIN...RESIDENTIAL
 11535 JULIE TRINKLEIN...RESIDENTIAL
 11535 STAFFORD TRINKLEIN...RESIDENTIAL
 11700 WURTZEL GARDEN CTR...ORNA NURS PDTS PRDN
 11700 WURTZEL GARDEN CTR...GREENHOUSES
 11700 WURTZEL GARDEN CTR...NURSERY & TREE PRODUCTION
 11746 MARYANNE GREYERBIEHL...RESIDENTIAL
 11746 RICHARD GREYERBIEHL...RESIDENTIAL
 11810 RONALD SCHUMACHER...RESIDENTIAL
 11840 JOHN LUTZKE...RESIDENTIAL
 11840 LUTZKE CONTRACTING...MECHANICAL BOILER CONTRACTOR & MASTER PLUMBER
 11840 PATRICIA LUTZKE...RESIDENTIAL
 11860 JULIE KRUEGER...RESIDENTIAL
 11860 JULIES NEVER ENDING IMAGINATION...SERVICES-MISC
 11979 ARLENE FRANK...RESIDENTIAL
 11980 **ERSKINE FEED & SUPPLY**...FARM SUPPLIES MERCHANT WHOLS

Part 2 of 2

11980 ERSKINE FEED & SUPPLY...WHL FARM SUPPLIES
 11980 ERSKINE FEED & SUPPLY...FEED-DEALERS (WHL)
 11980 KELLEYS FEED & SUPPLY...FEED-DEALERS (WHOLESALE)
 11980 LONE STAR WESTERN STORE...WESTERN APPAREL
 11980 LONE STAR WESTERN STORE...OTHER CLOTHING STORES
 11980 MONEY CONCEPTS...INVESTMENT ADVICE
 11980 MONEY CONCEPTS...FINANCIAL PLANNING CONSULTANTS

178 FARM SERVICE AGENCY...REGULATION AGRICULTURAL MARKETING
 178 NATURAL RESOURCES CONSERVATION...FEDERAL GOVERNMENT-
 CONSERVATION DEPTS
 178 SAGINAW CONSERVATION DISTRICT...SOIL PREPARATION SV
 178 SAGINAW CONSERVATION DISTRICT...SOIL PREPARATION, PLANTING, &
 CULTIVATING
 178 SAGINAW CONSERVATION DISTRICT...SOIL CONSERVATION SERVICE
 178 US AGRICULTURAL DEPT...FEDERAL GOVERNMENT-AGRICULTURAL PROGRAMS
 178 US CONSOLIDATED FARM SVC AGCY...ENVIRMTL QLTY/HOUSING
 178 US CONSOLIDATED FARM SVC AGCY...FEDERAL GOVERNMENT-
 CONSERVATION DEPTS
 178 US CONSOLIDATED FARM SVC AGCY...ADMINISTRATION OF CONSERVATION
 PROGRAMS
 696 GAIL LAZZARO...RESIDENTIAL
 696 JAMES LAZZARO...RESIDENTIAL
 810 DAVID PLAMBECK...RESIDENTIAL
 810 LYNNE PLAMBECK...RESIDENTIAL
 900 DOLORES MOREL...RESIDENTIAL
 900 GERALD MOREL...RESIDENTIAL
 1006 KAY PREZZATO...RESIDENTIAL
 1006 KAY VANPELT...RESIDENTIAL
 1006 PHILIP PREZZATO...RESIDENTIAL
 1028 BARRY GRONSKI...RESIDENTIAL
 1028 HEIDI GRONSKI...RESIDENTIAL
 1028 LARRY GRONSKI...RESIDENTIAL
 1028 SYLVIA GRONSKI...RESIDENTIAL
 1060 ROBERT KRZYZANIAK...RESIDENTIAL
 1060 SHELLEY KRZYZANIAK...RESIDENTIAL
 1080 JENIFER ROSE...RESIDENTIAL
 1080 SANDRA ROSE...RESIDENTIAL
 1110 KATHLEEN FLEMING...RESIDENTIAL
 1110 LAUREN FLEMING...RESIDENTIAL
 1110 MARK FLEMING...RESIDENTIAL
 1118 DAVID HOGENSON...RESIDENTIAL
 1118 JILL HOGENSON...RESIDENTIAL
 1134 GAIL WOLGAST...RESIDENTIAL

NO LISTING FOUND

10040 JOSEPH PREMO...RESIDENTIAL
 10060 KEITH LAMONT...RESIDENTIAL
 10075 WEST VALLEY SELF SERVE STORAGE...WAREHOUSING SELF STOR
 10075 WEST VALLEY SELF SERVE STORAGE...STORAGE-HOUSEHOLD &
 COMMERCIAL
 10076 BRET & SHAWNIE BREMER...RESIDENTIAL
 10255 HOME CRAFT BUILDING...GEN REMOD 1-FAM HOUSE
 10255 HOME CRAFT REMODELING...GARAGE & DECK CONSTRUCTION
 10260 JOHN OLDENBURG...RESIDENTIAL
 10360 DANIEL P PREGORD...RESIDENTIAL
 10425 SCOTT NEUMAYER...RESIDENTIAL
 10740 B G KILGORE...RESIDENTIAL
 10950 7-ELEVEN...CONVENIENCE STORES
 10950 SEVEN-ELEVEN FOOD STORES...CONVEN STORES CHAIN
 11020 F CS MORTGAGE...REAL ESTATE LOANS
 11020 FCS MORTGAGE...MORTGAGE BANKER/CORRESPONDENT
 11020 GREEN STONE FARM CREDIT SVC...MORTGAGE BANKERS
 11145 JUBILEE POOL & SPA...HOT TUBS & SPAS
 11145 JUBILEE POOL & SPA...RADIO & TV REPAIR
 11200 COURT HOUSE SQUARE ANTIQUES...RET USED MERCHANDISE BUSINESS
 SERVICES
 11200 COURT HOUSE SQUARE ANTIQUES...ANTIQUES
 11200 ROCKWELL S SCHERZER...RESIDENTIAL
 11285 SAGINAW VALLEY SOD FARMS...LAWN SERVICES
 11285 SAGINAW VALLEY SOD FARMS...SOD & SODDING SERVICE
 11491 DONALD LEDDY...LOCAL TRUCKING-WITH STORAGE
 11491 DONALD LEDDY TRUCKING...LOCAL TRUCKING,W/O STR
 11500 JAMES & JAMES...NONCLASSIFIED ESTABLISHMENTS
 11500 JOSEPH JAMES...RESIDENTIAL
 11515 STAFFORD G SR TRINKLEIN...RESIDENTIAL
 11515 TRINKLEIN FARMS...GENERAL CROP FARM
 11515 TRINKLEIN FARMS...GENERAL CROP FARMS
 11535 STAFFORD G JR TRINKLEIN...RESIDENTIAL
 11700 WURTZEL GARDEN CTR...ORNA NURS PDT'S PRDN
 11700 WURTZEL GARDEN CTR...GREENHOUSES
 11746 RICHARD GREYERBIEHL...RESIDENTIAL
 11780 MICHAEL & HALENE A FROST...RESIDENTIAL
 11810 RONALD T SCHUMACHER...RESIDENTIAL
 11840 LUTZKE CONTRACTING...MECHANICAL BOILER CONTRACTOR & MASTER PLUMBER
 11860 JULIE KRUEGER...RESIDENTIAL
 11860 JULIES NEVER ENDING IMAGINATION...SERVICES-MISC
 11935 BELIA SORIA...RESIDENTIAL
 11979 FRANKLIN A FRANK...RESIDENTIAL
 11980 ERSKINE FEED & SUPPLY...WHL FARM SUPPLIES
 11980 KELLEYS FEED & SUPPLY...FEED-DEALERS (WHOLESALE)
 11980 MONEY CONCEPTS...INVESTMENT ADVICE

178 **FARM SERVICE AGENCY**...REGULATION AGRICULTURAL MARKETING
178 **SAGINAW CONSERVATION DISTRICT**...SOIL CONSERVATION SERVICE
178 **SAGINAW CONSERVATION DISTRICT**...SOIL PREPARATION SV
178 **US CONSOLIDATED FARM SVC AGCY**...FEDERAL GOVERNMENT-
CONSERVATION DEPTS
178 **US CONSOLIDATED FARM SVC AGCY**...ENVIRMTL QLTY/HOUSING
900 **JERRY & DEE MOREL**...RESIDENTIAL
900 **JERRY MOREL**...RESIDENTIAL
1006 **PHILIP PREZZATO**...RESIDENTIAL
1060 **JOSEPH & SHELLEY KRZYZANIAK**...RESIDENTIAL
1110 **MARK FLEMING**...RESIDENTIAL

NO LISTING FOUND

10040 JOSEPH PREMO...RESIDENTIAL
 10056 JOSEPH LAFLEUR...RESIDENTIAL
 10060 IRENE BURKE...RESIDENTIAL
 10075 WEST VALLEY SELF SERVE STORAGE
 10076 BRET BREMER...RESIDENTIAL
 10260 JOHN OLDENBURG...RESIDENTIAL
 10360 RONALD MENDYK...RESIDENTIAL
 10540 EDWARD J WRIGHT...RESIDENTIAL
 10740 B G KILGORE...RESIDENTIAL
 10880 CHARLES THOROLD...RESIDENTIAL
 10950 7-ELEVEN FOOD STORE
 11145 JUBILEE ELECTRONICS...RADIO REPAIR AND INSTALLATION
 11145 JUBILEE SATELLITE SYSTEMS...EDUCATIONAL AIDS AND ELECTRONIC TRAINING MATERIALS
 11200 ROCKWELL S SCHERZER...RESIDENTIAL
 11285 SAGINAW VALLEY SOD FARMS
 11491 D R LEDDY...RESIDENTIAL
 11491 DONALD R LEDDY...RESIDENTIAL
 11515 STAFFORD G TRINKLEIN...RESIDENTIAL
 11515 TRINKLEIN FARMS
 11535 STAFFORD G TRINKLEIN...RESIDENTIAL
 11700 WURTZEL GARDEN CTR...PLANTS, FOLIAGE AND SHRUBBERIES
 11746 RICHARD GREYERBIEHL...RESIDENTIAL
 11780 MICHAEL A FROST...RESIDENTIAL
 11810 RONALD T SCHUMACHER...RESIDENTIAL
 11840 LUTZKE CONTRACTING
 11860 SCOTT KRUEGER...RESIDENTIAL
 11935 BELIA SORIA...RESIDENTIAL
 11979 FRANKLIN A FRANK...RESIDENTIAL
 11980 KELLEY'S FEED & SUPPLY
 11980 ROGERS' DOLLAR STORE
 11980 U-HAUL CO

178 SAGINAW SOIL CONSERVATION
 178 US CONSOLIDATED FARM SVC AGCY...WILDLIFE CONSERVATION AGENCIES
 705 JOHN FAUCHER...RESIDENTIAL
 900 JOSEPH L SNIDER...RESIDENTIAL
 1006 ROBERT G JACOBS...RESIDENTIAL
 1010 RICHARD BRUCE...RESIDENTIAL
 1028 LAWRENCE GRONSKI...RESIDENTIAL
 1040 THOMAS FRANCETIC...RESIDENTIAL
 1060 JOSEPH KRZYZANIAK...RESIDENTIAL
 1110 MARK FLEMING...RESIDENTIAL
 1128 R BIERLEIN...RESIDENTIAL

2003

SUNSHINE DR

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2000

GRATIOT RD

SOURCE: DIGITAL BUSINESS DIRECTORY

10056 JOSEPH H LAFLEUR...RESIDENTIAL
10075 WEST VALLEY SELF SERVE STORAGE
10076 ELLA M KINGMAN...RESIDENTIAL
10260 JOHN OLDENBURG...RESIDENTIAL
10540 EDWARD J WRIGHT...RESIDENTIAL
10740 BILLIE G KILGORE...RESIDENTIAL
10875 JOHN TRINKLEIN...RESIDENTIAL
10950 7-ELEVEN FOOD STORE
11020 FARM CREDIT SVC
11145 JUBILEE ELECTRONICS
11145 JUBILEE POOL PATIO & SPA
11145 JUBILEE SATELLITE SYSTEMS
11161 JOSEPH REED...RESIDENTIAL
11200 R S SCHERZER...RESIDENTIAL
11265 JOHN PADGET...RESIDENTIAL
11285 SAGINAW VALLEY SOD FARMS
11491 DONALD R LEDDY ...RESIDENTIAL
11515 S G TRINKLEIN...RESIDENTIAL
11515 TRINKLEIN FARMS
11535 S G TRINKLEIN...RESIDENTIAL
11700 WURTZEL GARDEN CTR
11746 RICHARD GREYERBIEHL...RESIDENTIAL
11979 F A FRANK...RESIDENTIAL
11980 KELLEY'S FEED & SUPPLY
11980 SHADY NOOK

2000

N GRAHAM RD

SOURCE: DIGITAL BUSINESS DIRECTORY

178 SAGINAW SOIL CONSERVATION
178 US CONSOLIDATED FARM SVC AGCY
705 JOHN FAUCHER...RESIDENTIAL
900 JOSEPH L SNIDER...RESIDENTIAL
1010 RICHARD BRUCE...RESIDENTIAL
1060 JOEL MAINPRIZE...RESIDENTIAL

2000

SUNSHINE DR

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

1997

GRATIOT RD

SOURCE: POLKS

109

GRATIOT RD *cont'd*
Address Zip+4 CarrRte Phone

PERSONAL CREATIONS - 4873 C002 781-5260
 BUILDING CONTRACTR - 4874 C002 781-9189
 SHARONS BRIDAL BOUTIQUE INC - 4874 C002 781-7721
 SHEAR TECHNIQUES HAIR & TAN - 4874 C002 781-0022
 SHIELDS DAIRY - 4876 C002 781-2989
 SELF SERVE LUMBER CO - 4875 C002 781-3020
 Schroeder Lovers R - 4876 C002 781-3064
 SLEEP-EES INN - 4876 C002 781-4674
 Cymbor Michael - 4875 C002 781-0188
 NORTHWEST TIRE & SVC - 4875 C002 781-3500
 EDUCATORS' WAREHOUSE INC - 4876 C002 781-3130
 Gies Scott M - 4877 C002 781-3029
 Kundinger William - 4877 C002 781-3756
 AUTOMOTIVE DESIGN INC - 4876 C002 781-0091
 GREAT CONNECTIONS TRAVEL - 4876 C002 781-2082
 SPEEDWAY STARVIN MARVIN - 4878 C002 781-3955
 MAJESTIC VAN CORP - 4879 C002 781-0985
 COMMUNITY BAPTIST CHURCH - 4803 C002 781-2340
 Jackson Douglas R - 4803 C002 781-4561
 BURGER KING - 4803 C002 781-0190
 SAGEBRUSH - 4802 C002 781-4600
 MEIER'S - 4804 C002 781-4644
 NU VISION OPTICAL - 4804 C002 781-4770
 GRATIOT VIEW MOTEL - 4805 C002 781-3030
 GRATIOT ANIMAL HOSPITAL - 4805 C002 781-3600
 DAN S PROCTOR DDS - 4807 C002 781-2230
 CARTER LUMBER - 4806 C002 781-4500
 Tyndall James - 4807 C002 781-2998
 Majorski Gerald C - 4807 C002 781-2968
 Ferreger Robert - 4807 C002 781-2579
 LAZZARO ELECTRIC - 4806 C002 781-4720
 Lizardo James W - 4806 C002 781-4939
 ASCENSION LUTHERAN CHURCH - 4808 C002 781-2170
 SAGINAW COUNTY SENIOR CITI - 4808 C002 781-4169
 POWERSPORTS CENTER INC - 4823 C002 781-3633
 MARTIN CHEVROLET-JEEP - 4809 C002 781-4590
 EAGLE THRIFTY CAR RENTAL - 4809 C002 781-3274
 7-ELEVEN FOOD STORE - 4810 C002 781-4489
 GOLDEN KNIGHT HAIR DESIGN - 4810 C002 781-0555
 EDWARD JONES CO - 4811 C002 725-2196
 STANDARD FEDERAL BANK - 4901 R007 781-2106
 MID-VALLEY INSURANCE - 4901 R007 781-3070
 RADEWAHN-REALTORS - 4901 R007 781-2930
 Boissonault Gérard M - 4901 R007 781-3070
 Sobe Stan W - 4901 R007 781-3070
 Socha Steven D - 4901 R007 781-3070
 FLETCHER REALTY CO - 4901 R007 781-0310
 TETER SECURITY ASSOC INC - 4901 R007 781-5900
 FARMERS INSURANCE GROUP - 4901 R007 781-4050
 Engel Wayne W - 4926 R007 781-2334
 Chapman S - 4926 R007 781-5869
 Schwind Robert - 4926 R007 781-3952
 CROOKED CREEK SPORTS CTR - 4926 R007 781-0050
 SAGINAW GUN CLUB INC - 4923 R007 781-2260
 HOULIHAN'S OLE TYME ROAD HOUSE - 4924 R007 781-0160
 VALERIO'S SHOWCARS & CONCEPTS - 4924 R007 781-2210
 TRI-AREA GLASS CO - 4924 R007 695-6071
 BURLINGAME CO - 4924 R007 781-3621
 MOJE CONCEPT - 4924 R007 781-5888
 OTHER GUYS - 4924 R007 781-0504
 BRADY'S PET FEEDS & NEEDS - 4927 R007 781-4687
 Cline Harold W - 4927 R007 781-1094
 Zaleksi Walter - 4927 R007 781-1423
 Premo Joseph - 4928 R007 781-0933
 Lafleur Joseph - 4928 R007 781-2927
 Burke Irene - 4928 R007 781-2596
 WEST VALLEY SELF SERVE STORAGE - 4934 R007 781-0220

1997

N GRAHAM RD

SOURCE: POLKS

HOUSEHOLDS 54

N GRAHAM RD (S)

48609

178 SAGINAW SOIL

CONSERVATION.. 9475 R007 781-4077

US

CONSOLIDATED

FARM SVC

AGCY

705 Faucher John. 9475 R007 781-1720

900 Snider Joseph L. 9667 R007 781-2934

1006 Jacobs Robert G 9409 R007 781-4639

II

1010 Bruce Richard 9409 R007 781-7746

1028 Gronski 9409 R007 781-3554

Lawrence 9409 R007 781-3426

Gronski

Lawrence 9409 R007 781-4814

1040 Francetic Thomas 9409 R007 781-2926

1060 Krzyzaniak Joseph 9409 R007 781-4078

Krzyzaniak

Shelley

1110 Fleming Mark 9484 R007 781-0867

1128 Bierlein R 9484 R007 781-7809

BUSINESSES 2

HOUSEHOLDS 11

GRATIOT RD *cont'd*
Address Zip+4 CarrRte Phone

10076 Bremer Bret - 9408 R007 781-1834
 Bremer Shawnie - 9408 R007 781-1834
 10360 Mendyk Ronald - 9482 R007 781-3871
 10540 Wright Edward J. - 9482 R007 781-2967
 Kilgore B G - 9483 R007 781-4289
 Thorold Charles - 9483 R007 781-1327
 10950 7-ELEVEN FOOD STORE - 9483 R007 781-2121
 11145 JUBILEE POOL PATIO & SPA - 9641 R007 781-0180
 11200 Scherzer Rockwe S. - 9485 R007 781-2923
 11265 PADGET'S LAWN SVC - 9648 R007 781-3251
 11265 SAGINAW VALLEY SOD FARMS - 9648 R007 781-2680
 11275 TRINKLEIN TRINKLEIN STAFFO G Sr - 9649 R007 781-2786
 11355 Trinklein Staffo G Jr - 9649 R007 781-0935
 11700 WURTZEL FARM MARKET - 9487 R007 781-4831
 11746 MANAGEMENT INFORMATION REVIEW - 9487 R007 781-2815
 Greyerbehl Richard - 9487 R007 781-2815
 11780 Frost Halene - 9487 R007 781-4917
 Frost Michael A. - 9487 R007 781-4917
 11810 Schumacher Ronald T. - 9488 R007 781-4315
 11860 Krueger Scott - 9488 R007 781-5763
 11935 Soria Bella - 9551 R007 781-2866
 11979 Frank Franklin A. - 9651 R007 781-2985
 11980 ALLTOP ENTERPRISES - 9488 R007 781-2141
 SHADY NOOK - 9488 R007 781-2810
 12115 Latano Craig J. - 9653 R011 642-8619
 12120 Valerio Dennis - 9601 R011 642-2702
 12145 Fox Theron E. - 9653 R011 642-5785
 12160 Zif Wally G. - 9601 R011 642-5181
 12165 Gembrowski Andy - 9653 R011 642-2408
 12193 Fischer Jerry - 9653 R011 642-6718
 12256 McFadden Eugene - 9601 R011 642-8026
 12274 McSweyn Donald - 9601 R011 642-5147
 12305 Fischer Edwin F. - 9654 R011 642-5128
 12330 Levi Jill - 9602 R011 642-8695
 12350 Brown Bernard - 9602 R011 642-5145
 12370 Mendel Michael R. - 9602 R011 642-6306
 12401 Francetic Susan K. - 9654 R011 642-2240
 12477 Bell Roger - 9654 R011 642-2160
 12500 Bell Norman R. - 9430 R011 642-8775
 12515 McGraw Ronnie C. - 9655 R011 642-5724
 12550 Parent Fred - 9430 R011 642-5508
 12575 Wilkin Carol - 9655 R011 642-8116
 12615 Witten Lynn H. - 9655 R011 642-8116
 12625 Boil Lynn James - 9656 R011 642-5679
 12626 Kasser Kenneth F. Jr. - 9417 R011 642-8562
 12630 Wardwell M. - 9417 R011 642-3622
 12645 Baries Leslie M. - 9656 R011 642-2642
 12681 Marotzke Carl A. - 9656 R011 642-2718
 12755 Leberer R. K. - 9657 R011 642-8219
 Letherer S. - 9657 R011 642-8344
 12791 Grzincik Lee J. - 9657 R011 642-5822
 12845 Wiechmann Daniel - 9657 R011 642-8549
 12883 Lewicki Michael A. - 9657 R011 642-2522
 12925 Burke Louis - 9657 R011 642-8783
 BUSINESSES 247 HOUSEHOLDS 187

GRATIOT ST (H) 48626

530 ERIC P BASH DDS - 9600 R004 642-5779
 RICHARD A MERTZ - 9600 R004 642-2648
 Mertz Robert A - 9600 R004 642-2648
 BUSINESSES 2 HOUSEHOLDS 1

GREEN AVE (EC) 48708

100 LIMBERG'S STONE COTTAGE FLRST - 6844 C077 894-4541
 101 Christopherson Chris - 6843 C077 892-4622
 Ford Everett - 6843 C077 894-5546
 Ford Hazel - 6843 C077 894-5546
 104 Lukowits Dan - 6844 C077 892-3997
 105 Laporte Larry - 6843 C077 892-3612
 106 Merritt K. - 6844 C077 892-1856
 111 Knopf Phil. - 6843 C077 892-1604
 221 Surath Dave - 6843 C077 892-3914
 225 Sodnicar Margaret E. - 6843 C077 895-7943
 306 Plessner Robert W - 6887 C077 893-6688
 Plessner Roxey - 6887 C077 893-6698
 310 Mowery Robert L. - 6887 C077 893-0496
 312 Poirier Carol - 6887 C077 892-2078
 Poirier Dennis R. - 6887 C077 892-2078
 314 Julian William - 6887 C077 893-9967
 317 Bourdon James A. - 6843 C077 893-3153
 345 Olson James - 6843 C077 893-7615
 400 Smith East W - 6843 C077 892-7815
 411 Baum Burt - 6864 C077 892-6495
 420 Hirschfeld Robert E. - 6845 C077 892-1342
 520 Mitchell Donald - 6887 C077 893-1320
 528 Trahan Patrick J. - 6887 C077 892-2219
 603 Nixon L. - 6848 C077 892-1059
 604 Rau Richard - 6846 C077 894-5855
 607 Gill Richard G - 6846 C077 894-0357
 613 Donnelly Mary L. - 6846 C077 894-7996
 621 Dryzga F. L. - 6846 C077 894-0925
 Dryzga Mary - 6846 C077 894-0925
 Dryzga Rick - 6846 C077 894-0925
 825 Nichols Robert C. - 6846 C077 893-5494

1997

SUNSHINE DR

SOURCE: POLKS

STREET NOT LISTED

1995

GRATIO RD

SOURCE: POLKS

RANGE NOT LISTED

1995

N GRAHAM RD

SOURCE: POLKS

STREET NOT LISTED

1995

SUNSHINE DR

SOURCE: POLKS

STREET NOT LISTED

1990

GRATIOT RD

SOURCE: POLKS

RANGE NOT LISTED

1990

N GRAHAM RD

SOURCE: POLKS

STREET NOT LISTED

1990

SUNSHINE DR

SOURCE: POLKS

STREET NOT LISTED

1985

GRATIO RD

SOURCE: POLKS

RANGE NOT LISTED

1985

N GRAHAM RD

SOURCE: POLKS

STREET NOT LISTED

1985

SUNSHINE DR

SOURCE: POLKS

STREET NOT LISTED

1979-80 **GRATIOT RD**

SOURCE: POLKS

RANGE NOT LISTED

1979-80 **N GRAHAM RD**

SOURCE: POLKS

STREET NOT LISTED

1979-80

SUNSHINE DR

SOURCE: POLKS

STREET NOT LISTED

1975

GRATIO RD

SOURCE: POLKS

RANGE NOT LISTED

1975

N GRAHAM RD

SOURCE: POLKS

STREET NOT LISTED

1975

SUNSHINE DR

SOURCE: POLKS

STREET NOT LISTED

1970

GRATIOT RD

SOURCE: POLKS

RANGE NOT LISTED

1970

N GRAHAM RD

SOURCE: POLKS

STREET NOT LISTED

1970

SUNSHINE DR

SOURCE: POLKS

STREET NOT LISTED

1965

GRATIO RD

SOURCE: POLKS

STREET NOT LISTED

1965

N GRAHAM RD

SOURCE: POLKS

STREET NOT LISTED

1965

SUNSHINE DR

SOURCE: POLKS

STREET NOT LISTED

1960

GRATIOT RD

SOURCE: POLKS

STREET NOT LISTED

1960

N GRAHAM RD

SOURCE: POLKS

STREET NOT LISTED

1960

SUNSHINE DR

SOURCE: POLKS

STREET NOT LISTED

1955

GRATIO RD

SOURCE: POLKS

STREET NOT LISTED

1955

N GRAHAM RD

SOURCE: POLKS

STREET NOT LISTED

1955

SUNSHINE DR

SOURCE: POLKS

STREET NOT LISTED

1950

GRATIOT RD

SOURCE: POLKS

STREET NOT LISTED

1950

N GRAHAM RD

SOURCE: POLKS

STREET NOT LISTED

1950

SUNSHINE DR

SOURCE: POLKS

STREET NOT LISTED

1946

GRATIO RD

SOURCE: POLKS

STREET NOT LISTED

1946

N GRAHAM RD

SOURCE: POLKS

STREET NOT LISTED

1946

SUNSHINE DR

SOURCE: POLKS

STREET NOT LISTED

1941

GRATIOT RD

SOURCE: POLKS

STREET NOT LISTED

1941

N GRAHAM RD

SOURCE: POLKS

STREET NOT LISTED

1941

SUNSHINE DR

SOURCE: POLKS

STREET NOT LISTED

1936

GRATIO RD

SOURCE: POLKS

STREET NOT LISTED

1936

N GRAHAM RD

SOURCE: POLKS

STREET NOT LISTED

1936

SUNSHINE DR

SOURCE: POLKS

STREET NOT LISTED

1931

GRATIOT RD

SOURCE: POLKS

STREET NOT LISTED

1931

N GRAHAM RD

SOURCE: POLKS

STREET NOT LISTED

1931

SUNSHINE DR

SOURCE: POLKS

STREET NOT LISTED

1927

GRATIO RD

SOURCE: POLKS

STREET NOT LISTED

1927

N GRAHAM RD

SOURCE: POLKS

STREET NOT LISTED

1927

SUNSHINE DR

SOURCE: POLKS

STREET NOT LISTED