

PHASE I ENVIRONMENTAL SITE ASSESSMENT

**FORMER ELKS LODGE
41861 M-40
ALMENA TOWNSHIP
VAN BUREN COUNTY, MICHIGAN**

**SES Project Number: 21-1101
December 21, 2021**

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EXECUTIVE SUMMARY

The findings of the Stolz Environmental Solutions, LLC (SES) Phase I Environmental Site Assessment (ESA) conducted on the former Elks Lodge located at 41861 M-40 in Almena Township, Van Buren County, Michigan (Subject Property), are summarized as follows:

Findings

1. Historical sources, including aerial photographs, city directories, tax assessment records, topographic maps, and interviews, indicated the Subject Property was the location of vacant undeveloped land from 1938 until approximately 1981, when the current building was constructed for use as a fraternal meeting hall for the Elks Lodge 2511. The Subject Property was the location of a fraternal meeting hall from 1981 until the time of SES's walkover. The historic use of the Subject Property as a meeting hall did not represent a recognized environmental condition (REC) in connection with the Subject Property.
2. SES observed the adjoining sites from the Subject Property boundaries and public rights-of-way for evidence of potential RECs. Sites adjoining the Subject Property included residences to the north and east. 42nd Avenue adjoined the Subject Property to the south, with a residence and vacant land located south of 42nd Avenue. M-40 adjoined the Subject Property to the west, with a residence and vacant land located west of M-40. Based on SES's visual observations the current use of the adjoining sites did not represent an REC in connection with the Subject Property.
3. Environmental Risk Information Service of Toronto, Ontario (ERIS) performed a database search for known sites of environmental concern within the American Society of Testing Materials (ASTM)-defined radii of the Subject Property. Based on SES's review of the ERIS Radius Map Report, no sites of known environmental concern were identified within the applicable ASTM-defined radii of the Subject Property.
4. SES did not observe visual indications of RECs including significantly stained soils stressed vegetation, USTs, ASTs, or chemical storage areas of concern, on the Subject Property at the time of the walkover.

Recommendations

SES has performed the Phase I ESA of the Subject Property and has identified no RECs in connection with the Subject Property. Therefore, SES recommends no additional assessment of soil or groundwater conditions on the Subject Property at this time.

The summary presented above is general in nature and should not be considered apart from the entire text of the report with all the qualifications and considerations mentioned herein.



1.0 INTRODUCTION

This report presents the results of the Phase I Environmental Site Assessment (ESA), prepared by Stolz Environmental Solutions, LLC (SES), for the former Elks Lodge located at 41861 M-40 in Almena Township, Van Buren County, Michigan (Property). Ms. Kristen Bearup authorized SES's performance of this Phase I ESA on behalf of Compassionate Care by Design. SES intends this report to be used solely and exclusively by Compassionate Care by Design. No other party may rely upon SES's opinions, conclusions, or reports unless SES has agreed to such reliance in writing. Reliance on this report is strictly subject to the terms outlined in SES's Conditions of Service agreed upon by SES and Compassionate Care by Design prior to the commencement of SES's services. This report was prepared by Thomas N. Stolz, Certified Professional Geologist (CPG).

1.1 Purpose

Generally, the purpose of a Phase I ESA is to identify recognized environmental conditions (RECs) on the Subject Property and assess the significance of the identified REC(s) relative to the nature of the use of the Phase I ESA, as indicated by the user. An REC is defined by American Society for Testing and Materials (ASTM) Standard E 1527-21 "Standard Practice for Environmental Assessments: Phase I Environmental Site Assessment Process" as;

...the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; 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 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. A de minimis condition is not a recognized environmental condition.

*For the purpose of this Phase I ESA, a hazardous substance is a substance as defined in the ASTM Standard E 1527-21.

1.2 Scope of Services

SES conducted this Phase I ESA in general accordance with the ASTM Standard for Phase I Environmental Site Assessments, designation E 1527-21, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process." The Scope of Services SES used to perform this Phase I ESA is outlined in Appendix A.



Limitations to the Scope of Services included the following:

1. The northeast portion of the Subject Property was wooded and overgrown with vegetation. Although SES vigorously attempted to observe the ground surface in suspected areas of concern, the vegetation limited SES's ability to observe the entire ground surface. Based on SES's observations of the Subject Property, as well as the history of use of the Subject Property, the limitation presented by the vegetation did not represent an REC.

2.0 USER-PROVIDED INFORMATION

The user of this Phase I ESA is Compassionate Care by Design. Generally, the reason for performing a Phase I ESA is to assess business risk associated with a Property, or to satisfy one of the requirements to qualify for the innocent landowner defense to environmental cleanup liability under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as well as potential environmental cleanup liability under Part 201 of the Michigan Natural Resources and Environmental Protection Act (NREPA), PA 451 of 1994, as amended. SES understands this Phase I ESA was requested in conjunction with an acquisition of the Subject Property by Compassionate Care by Design.

Ms. Bearup provided SES with an address for the Subject Property, and completed a Phase I ESA User Questionnaire, which is included as Appendix B of this report.

3.0 PROPERTY DESCRIPTION

The following sections include SES's description of the Subject Property at the time of our walkover, including observed uses and conditions relating to the environmental quality of the Subject Property. Descriptions of potential RECs identified during the Subject Property walkover are included as necessary.



3.1 Property Location and Real Property Description

The Subject Property was comprised of one parcel which, according to Almena Township assessment records, encompassed approximately 4.3 acres, and was developed with fraternal meeting hall at the time of the walkover. The Subject Property was located in the northwest $\frac{1}{4}$ of Section 30, Township 2 South, Range 13 West, in Almena Township, Van Buren County, Michigan. Almena Township identified the Subject Property with parcel ID number 80-01-030-007-00 at the street address 41861 M-40. A Property Location Map is included as Figure 1 in Appendix C. A tax description of the Subject Property, provided by Almena Township, is included as Appendix D.

3.2 General Property Setting

SES reviewed a topographic map to evaluate the physical setting of the Subject Property. According to the United States Geological Survey (USGS) 7.5 Minute Series quadrangle topographic map, the Subject Property elevation was 710 feet above mean sea level (MSL). The topography in the area of the Subject Property sloped generally west, toward the West Branch of the Paw Paw River, located 0.3 miles from the Subject Property.

SES reviewed United States Department of Agriculture (USDA) soil survey information for the area of the Subject Property. According to the USDA Web Soil Survey, soils on the Subject Property consisted of Brems sand, described as moderately well drained with a high to very high permeability. A small area of Morocco loamy sand was located on the southeast portion of the Subject Property and was described as somewhat poorly drained with a moderately high to high permeability.

Based on SES's review of topographic data, groundwater in the area of the Subject Property most likely flows east. Groundwater flow direction is complex due to natural and man-made factors. A hydrogeologic investigation would be necessary to definitively assess the direction of groundwater flow at the Subject Property.

3.3 Current Use of Adjoining Sites

SES observed the adjoining sites from the Subject Property boundaries and public rights-of-way for evidence of potential RECs. Sites adjoining the Subject Property included residences to the north and east. 42nd Avenue adjoined the Subject Property to the south, with a residence and vacant land located south of 42nd Avenue. M-40 adjoined the Subject Property to the west, with a residence and vacant land located west of M-40. Based on SES's visual observations the current use of the adjoining sites did not represent an REC in connection with the Subject Property.



3.4 Visually Observed Conditions of Past and Present Property Use

On December 16, 2021, Tom Stolz of SES conducted a walkover of the Subject Property to assess potential RECs. Photographs taken during the walkover are in Appendix E. A Property Layout Diagram, developed from SES's observations, field notes, and photographs, is presented as Figure 2 in Appendix C.

3.4.1 Site and Building Observations

The Subject Property encompassed approximately 4.3-acres and was developed with fraternal meeting hall at the time of the walkover. The building encompassed approximately 8,100 square feet and was a wood-frame construction equipped with a concrete floor slab-on-grade. The building was subdivided into a bar and reception area, a dining hall, a kitchen, two walk in coolers, and a mechanical area. A storage area was located in the northeast corner of the building.

Floors throughout the building were tiled or carpeted, with the exception of the mechanical room, which was equipped with a bare concrete floor. Floor drains were observed in the kitchen, as well as in the mechanical room, which housed propane-fired forced air furnaces. Floor drains and sinks reportedly discharge to on-site septic system located east of the building on the Subject Property. Floors, drains, and sinks in the building were in good condition. SES observed no indication of a significant release of hazardous substances within the building at the time of the walkover.

The exterior portions of the Subject Property consisted of an asphalt parking lot located west, north, and south of the building. An asphalt drive extended along the east wall of the south portion of the building. The remainder of the ground surface was lawn, with the exception of an overgrown wooded area on the northeast portion of the Subject Property. A picnic pavilion was located on the southeast portion of the Subject Property, and horseshoe pits were located south of the pavilion. SES did not observe indications of RECs, including visibly stressed vegetation, or stained soil or ground surfaces, on the Subject Property at the time of the walkover.

3.4.2 Current Operations

Operations were not observed on the Subject Property at the time of the walkover. SES provided an Environmental Conditions Disclosure Statement to Mr. Phanisha Mandagere, representative of the current owner. SES's review of the completed Environmental Conditions Disclosure Statement, included in Appendix F, did not indicate the presence of RECs on the Subject Property.



3.4.3 Utilities and Drainage

Based on information provided by Almena Township, Mr. Mandagere, and SES's observations at the time of the Subject Property walkover, electricity and telephone utilities have been connected to the Subject Property since at least 1981. The Subject Property utilizes a private drinking water well, located south of the building, and a septic system, located east of the building. Floor drains, observed in the kitchen and mechanical room in the building, discharge to the septic system and did not represent an REC.

SES observed no evidence of heating oil use on the Subject Property, including vent pipes, or fill pipes, at the time of the walkover. Based on SES's walkover, historical assessment records and interviews, the building has been heated with propane stored in an AST east of the building since it was initially constructed in 1981. Based on the available information, the potential for the historic use of heating oil did not represent an REC.

Based on SES's visual observations and the available historic information, utilities and drainage did not represent an REC.

3.4.4 Chemical Use and Storage

With the exception of typical building maintenance and cleaning supplies stored in mechanical room and the kitchen in the building, SES observed no chemical use or storage, or indications of significant releases from past chemical use or storage on the Subject Property at the time of the walkover. Based on SES's visual observations, and the available information, chemical use and storage did not represent an REC.

3.4.5 Underground/Aboveground Storage Tanks

SES did not observe evidence of underground storage tanks (USTs) or aboveground storage tanks (ASTs) on the Subject Property at the time of the walkover. USTs and ASTs did not represent an REC in connection with the Subject Property.

3.4.6 Polychlorinated Biphenyl-Containing Equipment

Polychlorinated biphenyl (PCB) containing equipment was not observed on the Subject Property. Three pole-mounted electrical transformers were observed on the Subject Property and were intact with no indication of leaks observed. PCB-containing equipment did not represent an REC.



3.4.7 Waste Streams

Waste generated on the Subject Property at the time of the walkover was limited to kitchen waste, office waste, and packaging waste stored in a dumpster on the asphalt drive east of the building until removed for off-site disposal. SES observed no indication of a significant release of stored waste on the Subject Property at the time of the walkover. Waste streams did not represent an REC.

4.0 RECORDS REVIEW

SES reviewed reasonably ascertainable standard sources, as defined by ASTM, including information publicly available, information obtainable from its source within reasonable time and cost constraints, and information practically reviewable. Data failures encountered, as defined by ASTM, are described under each appropriate source.

4.1 Historical Sources Reviewed

The following historical sources were reviewed from reasonably ascertainable sources to identify the ownership/use of the Subject Property.

4.1.1 Aerial Photographs

SES reviewed aerial photographs of the Subject Property dated 1938, 1956, 1967, 1975, 1981, 1993, 1999, 2005, 2006, 2010, 2012, 2014, 2016, 2018, and 2020. SES obtained the aerial photographs from Environmental Risk Information Service of Toronto, Ontario (ERIS). It should be noted, the scale and quality of the aerial photographs limited SES's ability to make detailed observations of the Subject Property. Copies of the aerial photographs reviewed by SES are included as Appendix G.

The 1938 through 1975 aerial photographs depicted the Subject Property as vacant and undeveloped land with a residence located north of the Subject Property. 42nd Avenue adjoined the Subject Property to the south, with a residence located south of the Subject Property, and M-40 adjoined the Subject Property to the west, with vacant land located west of the Subject Property until 1975, when what appeared to be a residence or small commercial building and a parking lot were located west of M-40.

The 1981 aerial photograph depicted a commercial building and parking lot on the central and west portions of the Subject Property. Sites adjoining the Subject Property in 1981 were depicted similarly to those in 1975.



The 1993 through 2020 aerial photographs depicted the Subject Property and adjoining sites generally as they appeared at the time of the walkover.

4.1.2 Local City Directories

ERIS reviewed Polk and Bressers City Directories for the area of the Subject Property dated 1972 through 2020. ERIS reviewed the directories in 5-year intervals, or less, where possible. The ERIS City Directory Report is included in Appendix H. Based on tax assessment records, the Subject Property has been associated with the address 41861 M-40 since at least 1981. The following table depicts the findings of ERIS's review of local city directories:

TABLE 1 – LOCAL CITY DIRECTORIES

Year	41861 M-40	Adjoining sites
2020	Elks Lodge	No Listing, residences, day car, and tax service in area
2016		
2012		
2008	No Listing	
2006	Elks Lodge 2511	
2001		
1997		
1991		
1986	No Listing		No Listing
1981		
1976		
1972		

4.1.3 Sanborn Fire Insurance Maps

Based on the ERIS Fire Insurance Map Report, Sanborn fire insurance maps were not available for the area of the Subject Property. The ERIS Fire Insurance Map Report is included in Appendix H.

4.1.4 Property Tax Files and Building Permits

SES reviewed tax information, including assessor's computer records, from the Almena Township Assessor's Office. Tax records indicated the building on the Subject Property was constructed in 1970 (this information was in error based on aerial photographs). SES's review of available tax assessment records did not indicate the presence of RECs on the Subject Property.



4.1.5 Zoning /Land Use Records

SES contacted the Almena Township Assessor's Office regarding the zoning of the Subject Property. File information indicated the Subject Property was zoned for agricultural use (zoning designation AG-LD).

4.1.6 Land Title Records and Other Historical Sources

SES did not review land title records for the Subject Property because information concerning the historical use of the Subject Property was obtained from other sources. Topographic maps dated 1946, 1948, and 1949, included in Appendix H, depicted the Subject Property as undeveloped. A 1981 topographic map depicted a building on the Subject Property. The following table presents a summary of the known historical uses of the Subject Property based on the information collected from the sources outlined above:

TABLE 2 - HISTORICAL USE OF PROPERTY

Year	Use/Comment	Source
Prior to 1938 - 1981	Undeveloped vacant land	Aerial photographs, topographic maps, tax assessment records, city directories, interviews
1981 - 2021	Elks Lodge	Aerial photographs, city directories, topographic maps, tax assessment records, interviews, walkover

Historical sources, including aerial photographs, city directories, tax assessment records, topographic maps, and interviews, indicated the Subject Property was the location of vacant undeveloped land from 1938 until approximately 1981, when the current building was constructed for use as a fraternal meeting hall for the Elks Lodge 2511. The Subject Property was the location of a fraternal meeting hall from 1981 until the time of SES's walkover. The historic use of the Subject Property as a meeting hall did not represent an REC in connection with the Subject Property.

SES reviewed the historic uses of the adjoining sites, as identified in sources reviewed to establish the historic use of the Subject Property. Sites adjoining the Subject Property have been the location of vacant land and residences. Aerial photographs indicated the west-adjoining site, west of M-40, may have been a restaurant or used automobile dealership in the past. Based on the available information, the historic use of the adjoining sites did not represent an REC.



4.2 Standard Environmental Record Sources

ERIS reviewed the following state and federal regulatory agency lists to identify regulated and/or environmentally impacted sites within the appropriate ASTM-defined search radii of the Subject Property. The ERIS Report is presented as Appendix I of this report.

4.2.1 United States Environmental Protection Agency (USEPA) National Priorities List (NPL), 1-mile radius.

The NPL is a list of Superfund sites that qualify for federal funds for remedial action and also appear on the federal Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) list.

4.2.2 USEPA Delisted NPL, 0.5-mile radius.

The Delisted NPL is a list of former Superfund sites no longer on the NPL list.

4.2.3 USEPA CERCLIS Sites, 0.5 mile radius.

The CERCLIS list is a compilation by the USEPA of sites under investigation for potential contamination under the CERCLA, also known as Superfund.

4.2.4 USEPA CERCLIS No Further Remedial Action Planned (NFRAP) Sites, 0.5 mile radius.

This is a list of CERCLA sites, formerly listed on the CERCLIS database, where no further remedial action is planned.

4.2.5 Federal Resource Conservation and Recovery Act of 1976 (RCRA) Treatment Storage and Disposal (TSD) CORRACTS Facilities List, 1-mile radius.

The RCRA TSD facilities list includes sites which treat, store, or dispose of hazardous waste as regulated by the RCRA and had corrective actions associated with the site.

4.2.6 RCRA TSD NONCORRACTS Facilities List, 1/2-mile radius.

The RCRA TSD facilities list includes sites which treat, store, or dispose of hazardous waste as regulated by the RCRA and have not had any corrective actions associated with the site.

4.2.7 USEPA RCRA Generators (RCRAGN) List for Michigan, Property and adjoining properties.

The RCRA Generators list includes sites which generate hazardous waste as defined by RCRA. Since these sites are known and regulated, they are generally not considered an environmental concern unless known to have a history of violations.

4.2.8 Federal Institutional Engineering Control Registries, Property Only

The Federal Institutional Engineering Control Registries consist of the US Engineering Control Database and the US Institutional Control Database Lists. Sites in these lists have institutional or engineering controls in place such as caps, building foundation liners, use restrictions, or due care obligations.



4.2.9 USEPA Emergency Response Notification System (ERNS) List, Property only.

The USEPA maintains a list of reported CERCLA hazardous substance releases or spills in quantities greater than the reportable quantity, as maintained at the National Response Center. The database contains information from spill reports made within the referenced time frame to the USEPA, US Coast Guard, and the Michigan Department of Transportation.

4.2.10 MDEGLE Part 201 Environmental Contamination Sites (Part 201), 1-mile radius.

This database is compiled by the MDEGLE and consists of sites of known environmental impact including those identified in Baseline Environmental Assessments (BEA).

4.2.11 MDEGLE Leaking Underground Storage Tank (LUST or Part 213) Sites, 1/2-mile radius.

This list is comprised of sites where the source of release is a regulated UST. It includes both Open (sites where corrective action has not been completed) and Closed (sites where corrective action has been completed) LUST sites.

4.2.12 MDEGLE Waste and Hazardous Materials Division (WHMD), Storage Tank Unit Registered USTs, Property and adjoining sites.

The MDEGLE UST database provides information about current or previously registered UST systems in the State of Michigan. This list identifies sites which have or have had registered, regulated UST systems as defined by Part 211 of Michigan Public Act 451 of 1994, as amended (Part 211).

4.2.13 MDEGLE WHMD Active Solid Waste Landfill (SWL) Facilities Lists, 1/2-mile radius.

This list identifies known active solid waste facilities in the State of Michigan.

4.2.14 MDEGLE WHMD Lists of Active Disposal Areas, 1/2-mile radius.

This list identifies known active solid waste disposal areas in the State of Michigan.

4.2.15 Indian Underground Storage Tank Sites, Property and adjoining sites.

This list identifies known USTs on tribal land.

4.2.16 State of Michigan Brownfield Registry Sites (Brownfield), 1/2-mile radius.

This list identifies known Brownfield sites in the State of Michigan.

4.2.17 State of Michigan Institutional and Engineering Controls, 1/2-mile radius.

This list identifies known sites where activity and use limitations (AULs) exist to address exposure to contamination in the State of Michigan.



4.3 File Reviews and Interviews

4.3.1 MDEGLE-Listed Sites

SES's review of the ERIS Radius Map Report indicated no sites of known environmental concern were located within the ASTM-defined radii of the Subject Property.

4.3.2 Vapor Encroachment Conditions Screening

A vapor encroachment screening (VES) was conducted for the Subject Property in accordance with ASTM 2600-10 Standard Practice for Vapor Encroachment Screening on Property Involved in Real Estate Transactions with respect to the presence or likely presence of chemicals of concern (COC) that may migrate as vapors onto the Subject Property as a result of contaminated soil and groundwater on, or near, the Subject Property. The purpose of the Tier 1 VES is to conduct an initial screen to determine whether a potential vapor encroachment condition (VEC) exists on the Subject Property and/or within the area of concern (AOC), and if so, the process to confirm whether the VEC exists, is likely to exist, can be ruled out because a VEC does not exist, or cannot be ruled out.

The Tier 1 components of this VES included data collection concerning planned use, type of structures, surrounding area descriptions, government and historical records, use of the Subject Property and surrounding sites within the AOC, physical setting, utility/conduit assessments, and specialized information/knowledge commonly known or reasonably ascertainable related to the Subject Property and within the AOC. The AOC is generally defined as the approximate minimum search distance from the Subject Property of 1/3 of a mile radius for COCs and 1/10 of mile radius for petroleum hydrocarbon COCs. The results of SES's Phase I ESA walkover, interviews, and actual chemical use information was also included in the VES for the purpose of VEC identification on the Subject Property.

The Subject Property has historically been used for a fraternal meeting hall. SES's review of historical sources including tax records, aerial photographs, USGS topographic maps, and other information, indicated COCs were not identified during the VES within the AOC of the Subject Property.

Known or suspect sites of contamination that are likely to affect the soil or groundwater at the Subject Property were not identified, as detailed in Section 4.3.1. SES's search distances, assessment of sites of environmental concern, and chemicals of concern, have met the Tier I standard requirements of ASTM E 2600-10. Therefore, it is SES's professional opinion that a VEC can be ruled out because a VEC does not, or is not likely, to exist on, or within, the AOC of the Subject Property.



4.3.3 NREPA Environmental Liens

On December 15, 2021, SES contacted the MDEGLE offices of WHMD, Remediation Division (RD) concerning the potential for an environmental lien placed on the Subject Property by the MDEGLE. Based on SES's inquiry, the Subject Property is not listed on RD's list of Perfected Environmental Liens.

4.3.4 Oil and Gas Wells

SES reviewed oil and gas permits/well information in the vicinity of the Subject Property from the MDEGLE, Environmental Resource Management Division, OGS. Based on SES's review of the OGS GeoWebFace mapping system, oil and gas wells are not listed on, or adjacent to, the Subject Property. Oil and Gas wells did not represent an REC in connection with the Subject Property.

4.3.4 County Environmental Health Department

SES requested a review of information for the Subject Property on file with the Van Buren County Environmental Health Department (VBCEHD). VBCEHD personnel responded on November 30, 2021 and stated no records concerning water wells, septic systems, or known hazardous substance releases were on file for the Subject Property with the VBCEHD.

4.3.5 Local Fire Department

SES contacted the Paw Paw Township Fire Department regarding known USTs or hazardous substance releases at the Subject Property. Mr. Kyle Richardson, 2nd Assistant Fire Chief, responded to SES's request for information on December 1, 2021 and stated no such records existed for the Subject Property.



5.0 FINDINGS AND CONCLUSIONS

SES has performed a Phase I ESA in conformance with the Scope and Limitations of ASTM Practice E 1527 for the former Elks Lodge located at 41861 M-40 in Almena Township, Van Buren County, Michigan, the Subject Property. Any exceptions to, or deletions from, this practice are described in Section 1 of this report. This assessment has revealed no evidence of RECs in connection with the Subject Property. The findings of SES's Phase I ESA are presented below:

Findings

1. Historical sources, including aerial photographs, city directories, tax assessment records, topographic maps, and interviews, indicated the Subject Property was the location of vacant undeveloped land from 1938 until approximately 1981, when the current building was constructed for use as a fraternal meeting hall for the Elks Lodge 2511. The Subject Property was the location of a fraternal meeting hall from 1981 until the time of SES's walkover. The historic use of the Subject Property as a meeting hall did not represent an REC in connection with the Subject Property.
2. SES observed the adjoining sites from the Subject Property boundaries and public rights-of-way for evidence of potential RECs. Sites adjoining the Subject Property included residences to the north and east. 42nd Avenue adjoined the Subject Property to the south, with a residence and vacant land located south of 42nd Avenue. M-40 adjoined the Subject Property to the west, with a residence and vacant land located west of M-40. Based on SES's visual observations the current use of the adjoining sites did not represent an REC in connection with the Subject Property.
3. ERIS performed a database search for known sites of environmental concern within the ASTM-defined radii of the Subject Property. Based on SES's review of the ERIS Radius Map Report, no sites of known environmental concern were identified within the applicable ASTM-defined radii of the Subject Property.
4. SES did not observe visual indications of RECs including significantly stained soils stressed vegetation, USTs, ASTs, or chemical storage areas of concern, on the Subject Property at the time of the walkover.



6.0 RECOMMENDATIONS

SES has performed the Phase I ESA of the Subject Property and has identified no RECs. Therefore, SES recommends no additional assessment of soil or groundwater conditions on the Subject Property at this time.

7.0 GENERAL COMMENTS

This Phase I ESA report is an instrument of service of SES. The report was prepared for and is intended for the exclusive use of Compassionate Care by Design. The report's contents may not be relied upon by any other party without the express written permission of SES. The findings of the Phase I ESA are based on conditions that existed on the date of SES's Property walkover and should not be relied upon to represent conditions at any other time. The Scope of Services executed for this project does not comprise an audit for regulatory compliance nor does it comprise a detailed condition survey for the presence of asbestos, lead paint, PCBs, radon, or other naturally occurring materials. An asbestos assessment was not performed as part of this Phase I ESA and should be performed prior to any renovation or demolition of the existing structures.

SES has based the conclusions included in this report on its observations of existing Subject Property conditions, its interpretation of Subject Property history, and its interpretation of Subject Property usage information. Conclusions about Subject Property conditions under no circumstances comprise a warranty that conditions in all areas of the Subject Property are of the same quality as those areas that SES has inferred from observable Property conditions and readily available Subject Property history. This report was prepared by an Environmental Professional as defined by 40 CFR Part 312. We declare that, the best of our knowledge, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR Part 312. We have 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 the all appropriate inquiries in conformance with the standard and practices set forth in 40 CFR Part 312. The qualifications of the Environmental Professional are included as Appendix J of this report.



SES's findings and conclusions must be considered probabilities based on professional judgment applied to the limited data SES was able to gather during the course of the assessment. In performing this assessment, SES has endeavored to observe that degree of care and skill generally exercised by other consultants undertaking similar studies at the same time, under similar circumstances and conditions, and in the same geographical area.

The Scope of Services SES implemented was based, in part, on rules and regulations that SES understood to be current or expected at the time SES developed its proposal. Changes in regulations, interpretations, and/or enforcement policies may occur at any time and such changes could affect the extent of assessment required. Any additional information about this Subject Property that becomes available should be provided to SES for its review, so SES can modify its recommendations as necessary.

APPENDIX A
SCOPE OF SERVICES

**Scope of Services
Phase I Environmental Site Assessment**

(Page 1 of 3)

1. SES will obtain preliminary information (if available) regarding the site from:
 - A. Legal or real property description
 - B. USGS map
 - C. Site plan or boundary survey, if available
2. SES will conduct a Property walkover to identify evidence of recognized environmental conditions (RECs), which may include, but are not limited to:
 - A. Chemical Storage Areas
 - B. Chemical or fuel storage vessels including storage tanks and drums
 - C. Waste Streams including generation, treatment, storage and/or disposal
 - D. Stained soil, odors, distressed vegetation, debris, or surficial fill materials
 - E. Septic systems, floor drains, catch basins, drywells
 - F. Potential RECs on immediately adjoining sites or sites which may impact the subject property
 - G. Current operations, activities, or processes or evidence of former operations conducted on the Property
 - H. Ownership and general condition of equipment that may contain PCBs, including transformers, capacitors, and hydraulic equipment
3. SES will photograph the Property and prepare a Property Layout Diagram, if determined to be appropriate, to illustrate observed conditions.
4. SES will attempt to identify obvious uses of the Property at intervals defined by the ASTM standard from the present back to the Property's first developed use or back to 1940, whichever is earlier. This information shall be reviewed from reasonably ascertainable standard sources such as; 1) information that is publicly available; 2) information that is obtainable from its source within reasonable time and cost constraints; and 3) information that is practically reviewable. Please note, historical use of adjoining sites will only be identified to the extent that this information is revealed during the research of the Property itself. Historical information sources may include:
 - A. Aerial Photographs
 - B. Fire Insurance Maps
 - C. Local Street Directories
 - D. Building Department Records
 - E. Property Tax Files
 - F. Zoning/Land Use Records
 - G. Land Title Records (if provided by the client)

Scope of Services Phase I Environmental Site Assessment

(Page 2 of 3)

5. At a minimum, SES will conduct interviews with the current owner(s) or other individuals with knowledge of current and past conditions of the Property.
6. SES will conduct a review of relevant documents concerning the Property, if provided by the client or deemed to be reasonably ascertainable, including:
 - A. Previous Environmental Assessments
 - B. Property Appraisals
 - C. Geotechnical Assessments
 - D. Local or State Health Department Correspondence
 - E. Michigan Department of Environment, Great Lakes, and Energy (MDEGLE) Correspondence
7. SES will review the following lists of regulated and/or environmentally impacted sites:

	<u>Search Radius</u>
A. Federal NPL site list	1.0 Mile Radius
B. Federal Delisted NPL site list	0.5 Mile Radius
C. Federal CERCLIS list	0.5 Mile Radius
D. Federal CERCLIS NFRAP list	0.5 Mile Radius
E. Federal RCRA CORRACTS TSD facilities list	1.0 Mile Radius
F. Federal RCRA non-CORRACTS TSD facilities list	0.5 Mile Radius
G. Federal RCRA generators list	Property and adjoining properties
H. Federal Institutional Engineering Control Registries	Property Only
I. Federal ERNS list	Property Only
J. State and Tribal list of contaminated sites	1.0 Mile Radius
K. State and Tribal landfill and /or solid waste disposal sites	0.5 Mile Radius
L. State and Tribal Open & Closed leaking UST list	0.5 Mile Radius
M. State and Tribal registered UST list	Property and adjoining properties
N. State and Tribal Institutional Engineering Control Registries	Property Only
O. State and Tribal Brownfield sites	0.5 Mile Radius
7. SES will contact governmental agency staff, if practical, in an effort to obtain information regarding RECs at or within specified search distances. Sources may include the following:
 - A. MDEGLE
 - B. United States Environmental Protection Agency (USEPA)
 - C. Local Health Department
 - D. Local Fire Department

**Scope of Services
Phase I Environmental Site Assessment**

(Page 3 of 3)

9. SES will prepare a Phase I Environmental Site Assessment report including the following:
- A. Summary of the Scope of Services
 - B. Summary of the Property Walkover observations
 - C. Summary of the environmental and historical record search results
 - D. Summary of the interviews with governmental agencies
 - E. Opinions and Conclusions regarding recognized environmental conditions at the subject property, based on the results of the assessment
10. Please note, the Phase I Environmental Site Assessment scope of services does not include:
- A. Air, soil, or water sampling
 - B. Asbestos Containing Materials
 - C. Radon
 - D. Lead-Based Paint
 - E. Cultural and historic resources
 - F. Ecological resources
 - G. Endangered species
 - H. Health and safety
 - I. High voltage power lines
 - J. Indoor air quality
 - K. Industrial hygiene
 - L. Lead in Drinking Water
 - M. Mold or Fungi
 - N. Wetlands

If unanticipated conditions are encountered requiring a change in the Scope of Services, we will contact you.

APPENDIX B

PHASE I ESA USER QUESTIONNAIRE

PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA) USER QUESTIONNAIRE

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields amendments"), the user must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

Name of User Completing Questionnaire: Kristen Bearup

1. Reason why the Phase I ESA is required (circle): **All Appropriate Inquiry/LLP** **Business Risk Evaluation**
Lender Requirement Other
2. Type of property (circle as many as apply): **Residential** **Commercial** Industrial
3. Type of property transaction (circle): Sale **Purchase** Exchange Refinance Other None
4. Provide a complete and correct address for the property: 41861 M-40 Hwy, Paw Paw, MI, 49079
5. Please circle the scope of services desired for the Phase I ESA (including whether any parties of the property transaction may have a required standard scope of services, or whether any considerations beyond the requirements of Practice E 1527-13 are to be considered). (circle)
ASTM E1527-13 Lender Specific (Please Identify Lender): N/A Is Phase I ESA For an SBA Loan? Yes **No**
6. Identification of all parties who will rely on the Phase I ESA report: Sandy Shores Leasing, LLC
7. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law? (circle one) Yes **No**
8. Are you aware of any activity use limitations (AULs), such as engineering controls, land use restrictions, or institutional controls, that are in place at the property and/or have been filed or recorded in a registry under federal, tribal, state, or local law? (circle one) Yes **No**
9. As the user of this Phase I ESA, do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property, so that you would have specialized knowledge of the chemicals and processes used by this type of business? (circle one) Yes **No**
10. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? (circle one) **Yes** No
If you conclude that there is a difference, do you have reason to believe the lower purchase price is because contamination is known or believed to be present at the property? (circle one) Yes **No**
11. Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases as listed below. For example, as user:
(a.) Do you know the past uses of the property? **Yes** No
(b.) Do you know of specific chemicals that are present or once were present at the property? Yes **No**
(c.) Do you know of spills or other chemical releases that have taken place at the property? Yes **No**
(d.) Do you know of any environmental cleanups that have taken place at the property? Yes **No**
12. As the user of this Phase I ESA, and based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property? (circle one) Yes **No**

If so, please explain: _____

Stolz Environmental Solutions, LLC

6806 Hickory Point Drive W
Portage, MI 49024

©2021 Stolz Environmental Solutions, LLC

Phone: 269-321-5020
Fax: 866-856-8921

ASTM E1527-13 User's Responsibilities

Scope--The purpose of this section is to describe tasks to be performed by the *user* that will help identify the possibility of *recognized environmental conditions* in connection with the *property*. These tasks do not require the technical expertise of an *environmental professional* and are generally not performed by *environmental professionals* performing *Phase I Environmental Site Assessment*. Appendix X3 provides an optional *User Questionnaire* to assist the *user* and the *environmental professional* in gathering information from the *user* that may be material to identifying *recognized environmental conditions*.

Review Title and Judicial Records for Environmental Liens or Activity and Use Limitations (AULs)--*Reasonably ascertainable recorded land title records* and lien records that are filed under federal, tribal, state, or local law should be reviewed to identify *environmental liens or activity and use limitations*, if any, that are currently recorded against the *property*. *Environmental liens and activity and use limitations* that are imposed by judicial authorities may be recorded or filed in judicial records, and, where applicable, such records should be reviewed. Any *environmental liens or activity and use limitations* so identified shall be reported to the *environmental professional* conducting a *Phase I Environmental Site Assessment*. Unless added by a change in the scope of work to be performed by the *environmental professional*, this practice does not impose on the *environmental professional* the responsibility to undertake a review of *recorded land title records* and judicial records for *environmental liens or activity and use limitations*. The *user* should either (1) engage a title company or title professional to undertake a review of *reasonably ascertainable recorded land title records* and lien records for *environmental liens or activity and use limitations* currently recorded against or relating to the *property*, or (2) negotiate such an engagement of a title company or title professional as an addition to the scope of work to be performed by the *environmental professional*.

Reasonably Ascertainable--Except to the extent that applicable federal, state, local or tribal statutes, or regulations specify any place other than *recorded land title records* for recording or filing *environmental liens or activity and use limitations* or specify records to be reviewed to identify the existence of such *environmental liens or activity and use limitations*, *environmental liens or activity and use limitations* that are recorded or filed any place other than *recorded land title records* are not considered to be *reasonably ascertainable*.

Specialized Knowledge or Experience of the User--If the *user* is aware of any specialized knowledge or experience that is material to *recognized environmental conditions* in connection with the *property*, it is the *user's* responsibility to communicate any information based on such specialized knowledge or experience to the *environmental professional*. The *user* should do so before the *environmental professional* conducts the *site reconnaissance*.

Actual Knowledge of the User--If the *user* has *actual knowledge* of any *environmental lien* or AULs encumbering the *property* or in connection with the *property*, it is the *user's* responsibility to communicate such information to the *environmental professional*. The *user* should do so before the *environmental professional* conducts the *site reconnaissance*.

Reason for Significantly Lower Purchase Price--In a transaction involving the purchase of a parcel of *commercial real estate*, the *user* shall consider the relationship of the purchase price of the *property* to the fair market value of the *property* if the *property* was not affected by *hazardous substances or petroleum products*. The *user* should try to identify an explanation for a lower price which does not reasonably reflect fair market value if the *property* were not contaminated, and make a written record of such explanation. Among the factors to consider will be the information that becomes known to the *user* pursuant to the *Phase I Environmental Site Assessment*. This standard does not require that a real estate appraisal is obtained in order to ascertain fair market value of the *property*.

Commonly Known or Reasonably Ascertainable Information--If the *user* is aware of any commonly known or *reasonably ascertainable* information within the local community about the *property* that is material to *recognized environmental conditions* in connection with the *property*, it is the *user's* responsibility to communicate such information to the *environmental professional*. The *user* should do so before the *environmental professional* conducts the *site reconnaissance*.

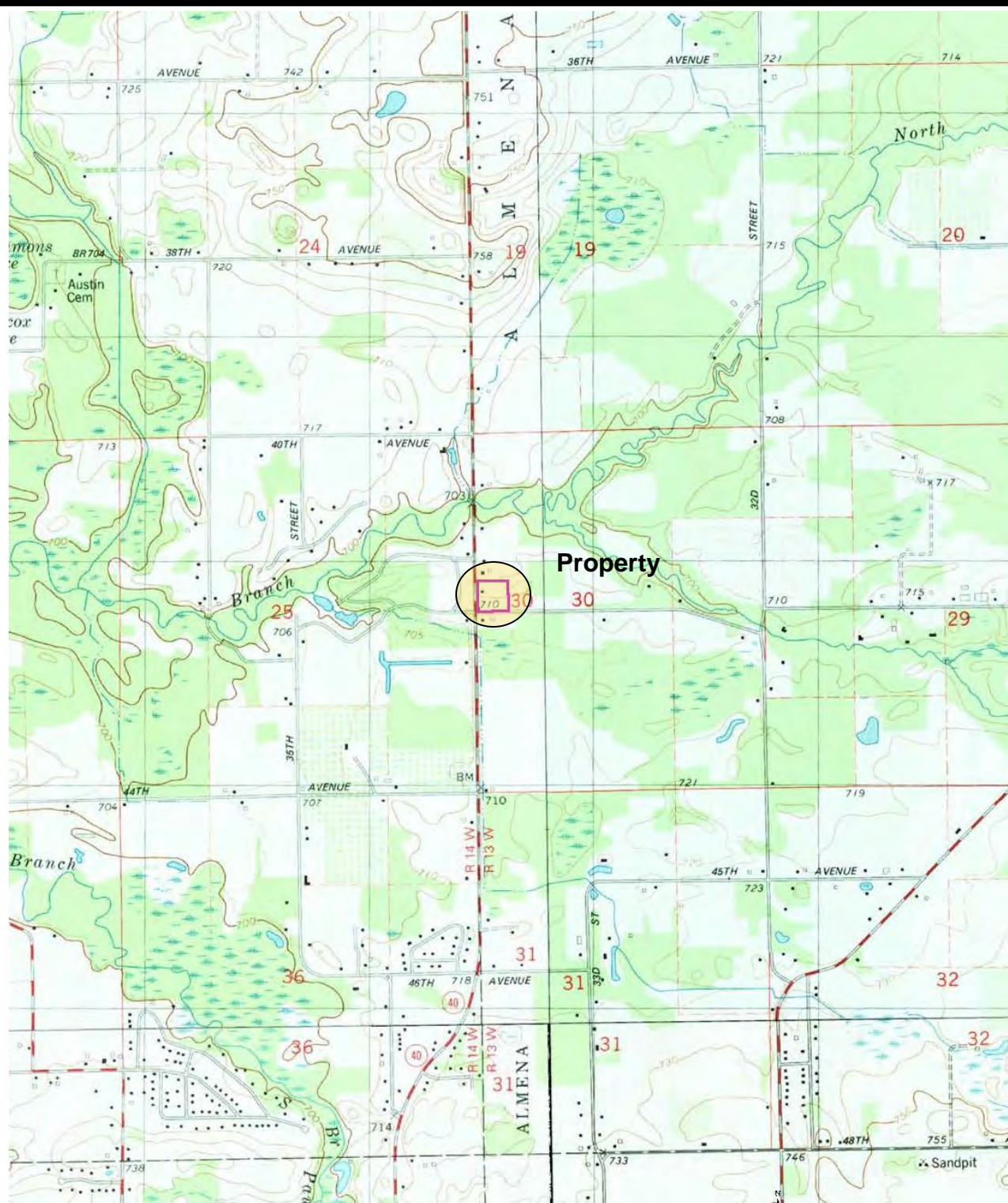
Other--Either the *user* shall make known to the *environmental professional* the reason why the *user* wants to have the *Phase I Environmental Site Assessment* performed or, if the *user* does not identify the purpose of the *Phase I Environmental Site Assessment*, the *environmental professional* shall assume the purpose is to qualify for an LLP to CERCLA liability and state this in the *report*. In addition to satisfying one of the requirements to qualify for an LLP to CERCLA liability, another reason for performing a *Phase I Environmental Site Assessment* might include the need to understand potential environmental conditions that could materially impact the operation of the business associated with the parcel of *commercial real estate*. The *user* and the *environmental professional* may also need to modify the scope of services performed under this practice for special circumstances, including, but not limited to, operating industrial facilities or large tracts of land (large areas or corridors).

Stolz Environmental Solutions, LLC

APPENDIX C

FIGURES

1. Property Location Map
2. Property Layout Diagram



USGS Topographic Map

Scale: 1:24,000

SES Project: 21-1101

PROPERTY LOCATION MAP

Former Elks Lodge

41861 M-40

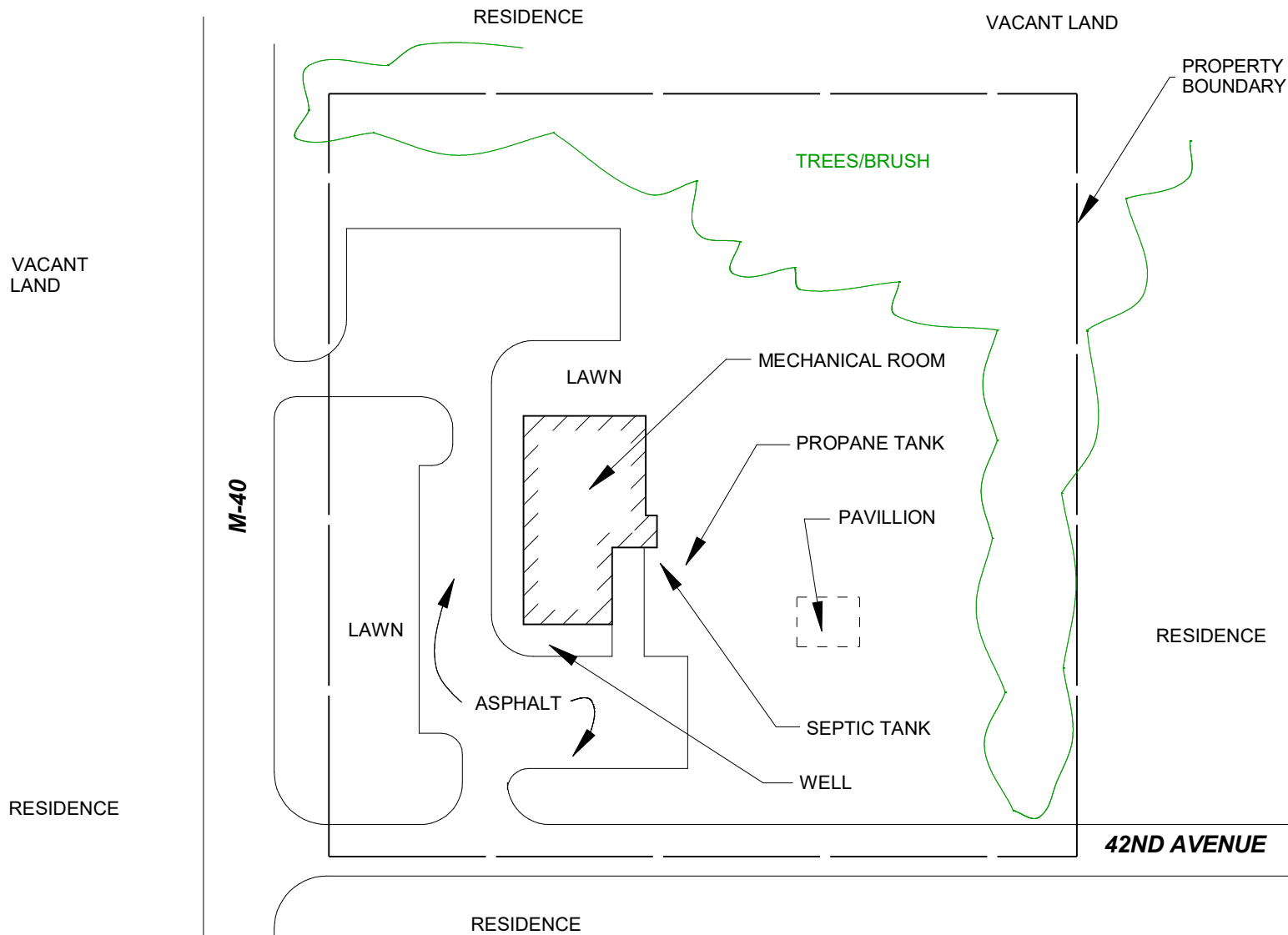
Almena Township

Van Buren County, Michigan



Figure 1

NOTE: FOR ILLUSTRATIVE PURPOSES ONLY. BASE MAP TAKEN FROM 2018 AERIAL PHOTOGRAPH AND SES FIELD NOTES. FEATURES ARE APPROXIMATE.



PROPERTY LAYOUT DIAGRAM

DRAWN TNS

DATE 12/16/21

SCALE NONE

PROJECT 21-1101

FORMER ELKS LODGE
41861 M-40
ALMENA TOWNSHIP
VAN BUREN COUNTY, MI

FIGURE 1

APPENDIX D
PROPERTY DESCRIPTION

41861 M 40 HWY PAW PAW, MI 49079 (Property Address)

Parcel Number: 80-01-030-007-00



Item 4 of 21 20 Images / 1 Sketch

Property Owner: ZEST BANQUET HALL 41861 M40 LLC

Summary Information

- > Commercial/Industrial Building Summary
 - Yr Built: 1970
 - # of Buildings: 3
 - Total Sq.Ft.: 8,168
- > Assessed Value: \$68,900 | Taxable Value: \$68,900
- > Property Tax information found

Owner and Taxpayer Information

Owner	ZEST BANQUET HALL 41861 M40 LLC 1647 BREEZY POINT LN KALAMAZOO, MI 49009	Taxpayer	SEE OWNER INFORMATION
-------	---	----------	-----------------------

General Information for Tax Year 2021

Property Class	201 COMMERCIAL-IMPROVED	Unit	80-01 ALMENA TOWNSHIP
School District	PAW PAW PUBLIC SCHOOL DIST	Assessed Value	\$68,900
MAP #	364-A1	Taxable Value	\$68,900
User Number Index	0	State Equalized Value	\$68,900
FIRE DISTRICT	PP	Date of Last Name Change	10/23/2021
EXEMPTION	No Data to Display	Notes	Not Available
Historical District	No	Census Block Group	No Data to Display
SPLIT	No Data to Display	Exemption	No Data to Display

Principal Residence Exemption Information

Homestead Date 06/01/1994

Principal Residence Exemption	June 1st	Final
2021	0.0000 %	0.0000 %

Previous Year Information

Year	MBOR Assessed	Final SEV	Final Taxable
2020	\$70,700	\$70,700	\$70,700
2019	\$76,400	\$76,400	\$76,400
2018	\$83,400	\$83,400	\$83,400

Land Information

Zoning Code	AG-LD	Total Acres	4.390
Land Value	\$74,000	Land Improvements	\$10,624
Renaissance Zone	No	Renaissance Zone Expiration Date	No Data to Display
ECF Neighborhood	COMMERCIAL	Mortgage Code	No Data to Display
Lot Dimensions/Comments	No Data to Display	Neighborhood Enterprise Zone	No

Lot(s)	Frontage	Depth
No lots found.		
Total Frontage: 0.00 ft		Average Depth: 0.00 ft

Legal Description

364-A1 30-2-13 786-304 1675-325 *** S 445.5' OF W 490' OF NW FR 1/4.

Land Division Act Information

Date of Last Split/Combine	<i>No Data to Display</i>	Number of Splits Left	<i>Not Available</i>
Date Form Filed	<i>No Data to Display</i>	Unallocated Div.s of Parent	0
Date Created	01/01/0001	Unallocated Div.s Transferred	0
Acreage of Parent	0.00	Rights Were Transferred	No
Split Number	0	Courtesy Split	No
Parent Parcel	<i>No Data to Display</i>		

Sale History

Sale Date	Sale Price	Instrument	Grantor	Grantee	Terms of Sale	Liber/Page	Comments
10/04/2018	\$120,000.00	WD	ELKS CLUB LODGE #2511	ZEST BANQUET HALL 41861 M40 LLC	03-ARM'S LENGTH	1675=325	

Building Information - 6000 sq ft Fraternal Buildings (Commercial)

Floor Area	6,000 sq ft	Estimated TCV	\$37,014
Occupancy	Fraternal Buildings	Class	D
Stories Above Ground	1	Average Story Height	12 ft
Basement Wall Height	0 ft	Identical Units	<i>Not Available</i>
Year Built	1970	Year Remodeled	1986
Percent Complete	100%	Heat	Package Heating & Cooling
Physical Percent Good	35%	Functional Percent Good	100%
Economic Percent Good	100%	Effective Age	52 yrs

Building Information - 1400 sq ft Warehouses - Storage (Commercial)

Floor Area	1,400 sq ft	Estimated TCV	\$13,743
Occupancy	Warehouses - Storage	Class	D,Pole
Stories Above Ground	1	Average Story Height	8 ft
Basement Wall Height	0 ft	Identical Units	<i>Not Available</i>
Year Built	1970	Year Remodeled	1986
Percent Complete	100%	Heat	Space Heaters, Gas with Fan
Physical Percent Good	35%	Functional Percent Good	100%
Economic Percent Good	100%	Effective Age	43 yrs

Building Information - 768 sq ft Shed - Utility Light Commercial Building (Commercial)

Floor Area	768 sq ft	Estimated TCV	\$6,532
Occupancy	Shed - Utility Light Commercial Building	Class	C
Stories Above Ground	1	Average Story Height	12 ft
Basement Wall Height	0 ft	Identical Units	<i>Not Available</i>
Year Built	<i>No Data to Display</i>	Year Remodeled	<i>No Data to Display</i>
Percent Complete	100%	Heat	No Heating or Cooling
Physical Percent Good	35%	Functional Percent Good	100%
Economic Percent Good	100%	Effective Age	33 yrs

****Disclaimer:** BS&A Software provides BS&A Online as a way for municipalities to display information online and is not responsible for the content or accuracy of the data herein. This data is provided for reference only and WITHOUT WARRANTY of any kind, expressed or inferred. Please contact your local municipality if you believe there are errors in the data.



APPENDIX E
PHOTOGRAPHS



Building on Subject Property, looking northeast.



North wall of building, looking south.



Pavilion on southeast portion of Subject Property.



Former Elks Lodge
41861 M-40
Almena Township
Van Buren County, Michigan
SES Project: 21-1101
Taken By: Tom Stolz
Date Taken: 12/16/2021



Floor drain in kitchen.



Floor drain in mechanical room.



Forced air furnaces in mechanical room.



Former Elks Lodge
41861 M-40
Almena Township
Van Buren County, Michigan
SES Project: 21-1101
Taken By: Tom Stolz
Date Taken: 12/16/2021



Building maintenance supplies stored in mechanical room.



Propane AST east of building.



Water well south of building.



Former Elks Lodge
41861 M-40
Almena Township
Van Buren County, Michigan
SES Project: 21-1101
Taken By: Tom Stolz
Date Taken: 12/16/2021

APPENDIX F

ENVIRONMENTAL CONDITIONS DISCLOSURE STATEMENT



Environmental Conditions Disclosure Statement

Please answer the following questions, to the best of your knowledge, to help us establish an understanding of the known conditions on the Property. In the event a question does not apply to the Property, please write "NA" in the space provided. If you do not know the answer to a question, please write "unknown" in the space provided. Please deliver the completed statement to SES's office at 6806 Hickory Point Drive, Portage, MI, 49024, fax it to (866) 856-8921, or **email it to tom@stolzenv.com (preferred)**. Thank you for your help.

Site Name and Address: Former Moose Lodge – 41861 M-40, Almena Township, Van Buren County, MI

SES Project Number: 21-1101

Date: 12/09/2021 | 4:00:57 PM EST

Name of Person Completing Statement: Phanisha Mandagere

1. Are you an **Owner** or **Occupant** (please circle one or both)

2. Date of first association with Property: Oct 4th 2018

3. Date of construction for building(s): unknown

4. Please list all known occupants of the Property: Property is empty since Oct 4th 2018

5. Utilities available to, or connected to, Property:

- ☒ Electric
☐ Natural Gas (Earliest Date of Connection _____ [please estimate if unsure])
☐ Municipal Sanitary Sewer (Earliest Date of Connection _____ [please estimate if unsure])
☐ Municipal Storm Sewer
☐ Municipal Water (Earliest Date of Connection _____ [please estimate if unsure])

6. Was heating oil ever used or stored on the Property? Y N

7. Are or were underground storage tanks located on the Property? Y N I don't know

If yes, how many, what size(s), approximate locations: _____

8. Please list all overspill, corrosion protection, and leak detection equipment/procedures associated with the USTs, if any, on the Property (if an automatic tank gauge is used, please provide SES with a copy or report of the last 30 days of tank gauging/leak monitoring data): Not applicable

9. Are or were aboveground storage tanks located on the Property? Y N I don't know

If yes, how many, what size(s), approximate locations: _____

10. To the best of your knowledge, were any of the following formerly, or currently, present on the Property? (please circle as many as apply):

- Drinking Water Wells I don't know
Monitoring Wells
Septic Systems, Drywells, or Catch Basins
Lagoons or Ponds
Electric Transformers or Capacitors
Oil or Gas Wells (including test holes)
Filled Areas (if so, please indicate known or suspected origin of fill)
Barrels or drums
Mines or pits
Asbestos containing materials
Lead containing materials
Mercury containing materials
Hidden Chemicals or Waste

11. Has the Property ever been used for industrial purposes? If so, please explain: I don't know

12. Has the Property ever been used as a gasoline station, automotive or other motor repair facility, commercial printing business, dry cleaner, photo laboratory, junkyard or landfill, or waste treatment or recycling business? If so, please explain: I don't know

13. Are, or were, floor drains located in any of the structures located on the Property? If so, please provide the approximate location and discharge point if known (i.e., septic system, catch basin, drywell, municipal sewer): I don't know

14. Have liens ever been filed against the Property (or any facilities located on the Property) for environmental conditions or violations? If so, please explain: I don't know

15. Have environmental or geotechnical assessments ever been prepared for the Property? If so, please list each assessment, the approximate date of the assessment(s) and the results of the assessment(s) **(please also provide a copy to SES, if available)**: I don't know

16. Has stained soil ever been present on the Property? If so, please explain: I don't know

17. Has dumping (legal or illegal) ever occurred on the Property? If so, please explain: I don't know

18. Do you have any knowledge of known or suspected releases of any material (liquid or solid, including wash or wastewater) to the ground or ground surface on the Property? If so, please explain: _____
I don't know

19. Do you have any knowledge of known or suspected impacts to soil or groundwater in the area of the Property (off-site sources) If so, please explain: _____
I don't know

Signed: _____
DocuSigned by:
Phanisha Mandagere
8A80D616C4CB42E

Title: _____
Owner

Date: _____
12/09/2021 | 4:00:57 PM EST

APPENDIX G
AERIAL PHOTOGRAPHS



HISTORICAL AERIALS

Project Property: Moose Lodge

41861 M-40

Paw Paw MI 49079

Project No: 21-1101

Requested By: Stolz Environmental Solutions, LLC

Order No: 21112900762

Date Completed: December 02, 2021

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 Departments of Agriculture	1" = 500'	
2018	United States Departments of Agriculture	1" = 500'	
2016	United States Departments of Agriculture	1" = 500'	
2014	United States Departments of Agriculture	1" = 500'	
2012	United States Departments of Agriculture	1" = 500'	
2010	United States Departments of Agriculture	1" = 500'	
2006	United States Departments of Agriculture	1" = 500'	
2005	United States Departments of Agriculture	1" = 500'	
1999	United States Geological Survey	1" = 500'	
1993	United States Geological Survey	1" = 500'	Best Copy Available
1981	United States Geological Survey	1" = 500'	Best Copy Available
1975	United States Geological Survey	1" = 500'	
1967	Agricultural Stabilization & Conserv. Service	1" = 500'	
1956	Army Mapping Service	1" = 500'	Best Copy Available
1938	Agricultural Stabilization & Conserv. Service	1" = 500'	

Environmental Risk Information Services

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1.866.517.5204 | info@erisinfo.com | erisinfo.com



Year: 2020
Source: USDA
Scale: 1" = 500'
Comment:

Address: 41861 M-40, Paw Paw, MI
Approx Center: -85.87775491,42.26722763

Order No: 21112900762





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

Address: 41861 M-40, Paw Paw, MI
Approx Center: -85.87775491,42.26722763

Order No: 21112900762





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

Address: 41861 M-40, Paw Paw, MI
Approx Center: -85.87775491,42.26722763

Order No: 21112900762



one inch



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

Address: 41861 M-40, Paw Paw, MI
Approx Center: -85.87775491,42.26722763

Order No: 21112900762





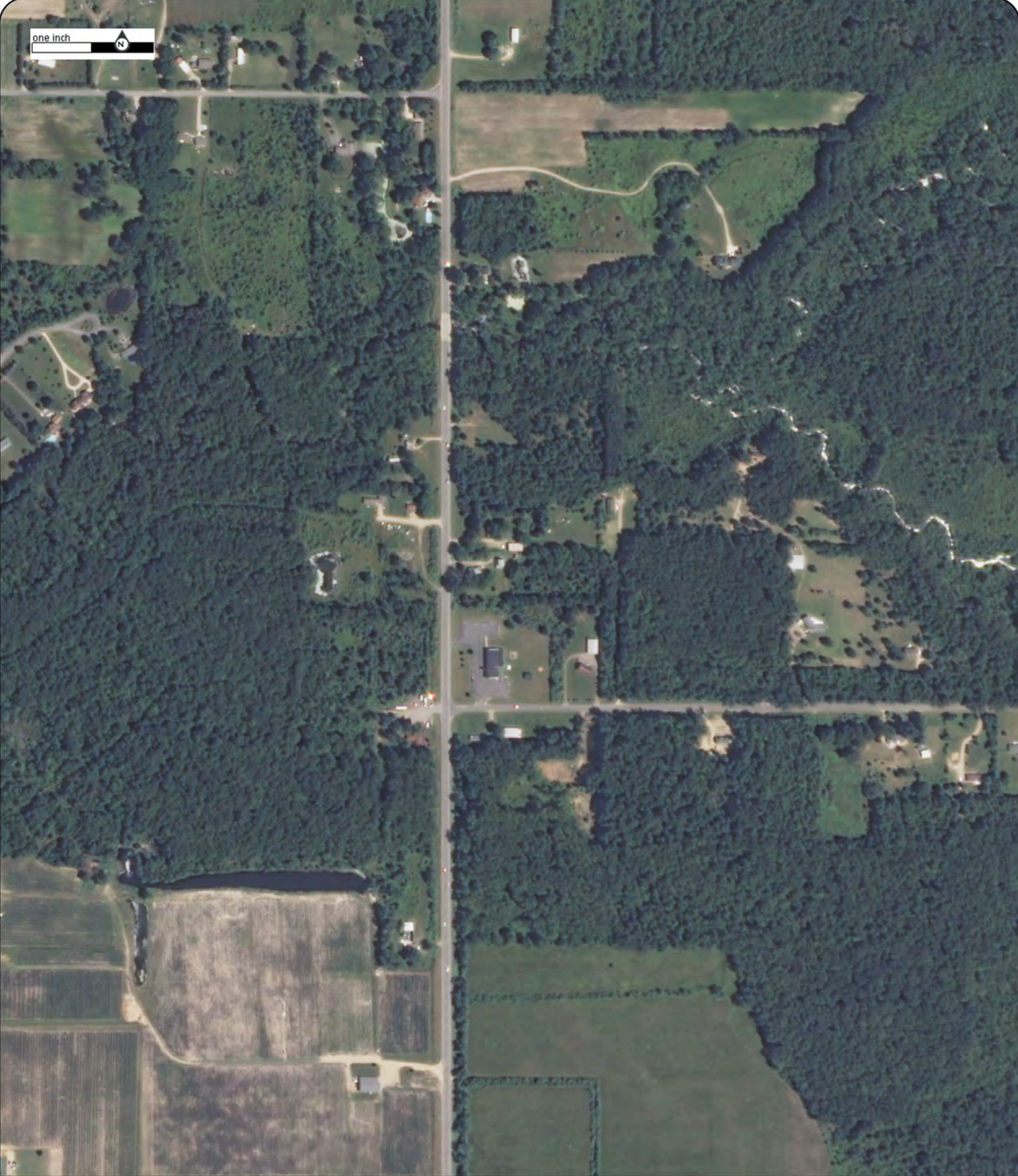
Year: 2012
Source: USDA
Scale: 1" = 500'
Comment:

Address: 41861 M-40, Paw Paw, MI
Approx Center: -85.87775491,42.26722763

Order No: 21112900762



one inch



Year: 2010
Source: USDA
Scale: 1" = 500'
Comment:

Address: 41861 M-40, Paw Paw, MI
Approx Center: -85.87775491,42.26722763

Order No: 21112900762



one inch



Year: 2006
Source: USDA
Scale: 1" = 500'
Comment:

Address: 41861 M-40, Paw Paw, MI
Approx Center: -85.87775491,42.26722763

Order No: 21112900762



one inch



Year: 2005
Source: USDA
Scale: 1" = 500'
Comment:

Address: 41861 M-40, Paw Paw, MI
Approx Center: -85.87775491,42.26722763

Order No: 21112900762





Year: 1999
Source: USGS
Scale: 1" = 500'
Comment:

Address: 41861 M-40, Paw Paw, MI
Approx Center: -85.87775491,42.26722763

Order No: 21112900762

one inch



Year: 1993
Source: USGS
Scale: 1" = 500'
Comment: Best Copy Available

Address: 41861 M-40, Paw Paw, MI
Approx Center: -85.87775491,42.26722763

Order No: 21112900762



one inch

N

Year: 1981
Source: USGS
Scale: 1" = 500'
Comment: Best Copy Available

Address: 41861 M-40, Paw Paw, MI
Approx Center: -85.87775491,42.26722763

Order No: 21112900762



one inch



Year: 1975
Source: USGS
Scale: 1" = 500'
Comment:

Address: 41861 M-40, Paw Paw, MI
Approx Center: -85.87775491,42.26722763

Order No: 21112900762



one inch

N

Year: 1967
Source: ASCS
Scale: 1" = 500'
Comment:

Address: 41861 M-40, Paw Paw, MI
Approx Center: -85.87775491,42.26722763

Order No: 21112900762



one inch

N



Year: 1956
Source: AMS
Scale: 1" = 500'
Comment: Best Copy Available

Address: 41861 M-40, Paw Paw, MI
Approx Center: -85.87775491,42.26722763

Order No: 21112900762



one inch

N



Year: 1938
Source: ASCS
Scale: 1" = 500'
Comment:

Address: 41861 M-40, Paw Paw, MI
Approx Center: -85.87775491,42.26722763

Order No: 21112900762



APPENDIX H
ERIS HISTORIC USE REPORTS



CITY DIRECTORY

Project Property: *Moose Lodge
41861 M-40
Paw Paw, MI 49079*

Project No: *21-1101*

Requested By: *Stolz Environmental Solutions, LLC*

Order No: *21112900762*

Date Completed: *December 4, 2021*

Environmental Risk Information Services

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December 4, 2021
RE: CITY DIRECTORY RESEARCH
Moose Lodge
41861 M-40 Paw Paw, MI

Thank you for contacting ERIIS 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 addresses(s) 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:

41000-44000 of Michigan 40

32000-34000 of 42nd Ave

Search Results Summary

Date	Source	Comment
2020	DIGITAL BUSINESS DIRECTORY	
2016	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2008	DIGITAL BUSINESS DIRECTORY	
2006	BRESSERS	
2001	BRESSERS	
1997	BRESSERS	
1991	BRESSERS	
1986	BRESSERS	
1981	BRESSERS	
1976	BRESSERS	
1972	BRESSERS	

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32667 **BEE HAPPY DAY CARE...***Child Care Service*

41861 **ELKS LODGE...***Fraternal Organizations*

32667 BEE HAPPY DAY CARE...Child Care Service
33016 BERRY TAX SVC...Tax Return Preparation & Filing

41861 ELKS LODGE...Fraternal Organizations

32667 BEE HAPPY DAY CARE...Child Care Service
32667 BEE HAPPY DAY CARE...Child Day Care Svcs
32667 BEE HAPPY DAY CARE...Child Day Care Svcs
33016 BERRY TAX SERVICE...Tax Return Preparation Services

NO LISTING FOUND FOR THIS YEAR...

32667 BEE HAPPY DAY CARE...*Child Day Care Svs*
33016 BERRY TAX SERVICE...*Tax Return Preparation Services*

NO LISTING FOUND FOR THIS YEAR...

31861 Sager David L 76 ○ 269-657 - 4053

■ 32ND ST INTS

32454 Ouding Graham 93 ● NP
 32485 Frank Zbigniew + ● 269-657 - 1951
 32595 Sanderson Garry 89 ● NP
 32598 Baraso Ronald E 04 269-657 - 7894
 Zielinski Michl T 95 ● 269-657 - 4567
 32667 Hysell Kevin D 01 ● 269-657 - 7612
 32733 Gabb Carrie + 269-657 - 7678
 32810 Gulbis Martin L 99 269-655 - 0046
 Smith Andrew 94 ● 269-657 - 5305
 Smith Cheryl 94 ● 269-657 - 5305
 32861 Douglas Ralph Sr 05 ● NP
 Ferrell Ronna M 89 269-657 - 5632
 33016 Berry Carolus E 93 ○ 269-657 ◇ 6443
 33110 Berry Chris 93 ● NP
 33312 Abrams Eugene H 92 ● 269-657 - 2614
 Abrams Regina R 92 ● 269-657 - 2614
 33364 Stahl M W 93 ● 269-657 - 4201

2 BUSINESS

75 RESIDENCE

40543 Fisher Adolph 02 ● 269-657 - 4792
 41369 Long Roberta 05 ● 269-657 - 4324
 41412 Black Leldon B 02 ○ 269-657 - 4172
 41438 Bowers Jason 01 ● 269-655 - 2282
 Bowers Jenna 01 ● 269-655 - 2282
 Millek David J 99 269-657 - 7439
 41489 Guiter Dwayne R 78 ● 269-657 - 1086
 41861 ★ Elks Lodge No 2511 04 269-657 - 6524
 42012 Franks Amy M 95 ● 269-657 - 6982
 42036 Millek Rodney 00 ● NP
 42038 Millek Armita C 04 ● 269-657 - 7581
 42368 XXXX NP
 43112 ★ Leduc Blueberries 92 269-657 - 5894
 43833 Jansto Edward 80 ● 269-657 - 3601
 44320 Garcia Jose 93 ● NP
 44322 Garcia David L 76 ● 269-657 - 2282

31861 David L Sager . . .73 616-657-4053

RR 3 49079

32454 Graham Ouding . . .99 616-657-5702

32485 Robert Bodor . . .99 616-655-8121

32598 Michl T Zielinski .96 616-657-4567

32810 Martin Gulbis . . . 616-655-0046

32861 Ronna Ferrell . . .90 616-657-5632

33016 Carolus E Berry . . .93 616-657-8378

Jean Berry93 616-657-6443

33312 Eugene Abrams . . .99 616-657-2614

33364 M W Stahl93 616-657-4201

46 RESIDENCE 3 BUSINESS

40543 Adolph Fisher . . .85 616-657-4792

41412 41438 NP

41489 Dwayne R Guiter .96 616-657-1086

41816★ BPOE No 2511 . .78 616-657-6524

★ Elks Lodge No 2511 93 616-657-6524

42012 Amy M Franks . . . - 616-657-6982

42036 Rodney J Millek . 616-655-9038

42038 Laura Sutherland . 616-657-8072

43112★ Crouse Fmly Blbrs 92 616-657-5894

43833 Edward Jansto . .73 616-657-3601

44320★ Garcia Blueberries 99 616-657-5667

31861	David L Sager	. . . . .73	657-4053
● RR 3	. . . . .		49079
32107	32454 32592	. . . . .NP	
32598	Michl T Zielinski	. . . . .-	657-4567
32810	Andrew Smith	. . . . .95	657-5305
32861	Ronna Ferrell	. . . . .90	657-5632
33312	. . . . .	. . . . .NP	
33364	M W Stahl	. . . . .93	657-4201
47	RESIDENCE	3	BUSINESS

40958	41013 41216	. . . . .NP	
41412	Rodney J Millek	. . . . .91	657-3466
41438	. . . . .	. . . . .NP	
41489	Dwayne R Guiter	. . . . .-	657-1086
41816★	BPOE No 2511	. . . . .78	657-6524
	★Elks Lodge No 2511	. . . . .93	657-6524
42012	Bill Lowrance	. . . . .74	657-5323
42038	Armita C Millek	. . . . .90	657-7581
43112★	Old Style Blbrry	. . . . .92	657-5894
43833	Edward Jansto	. . . . .73	657-3601
44320	Olga Garcia	. . . . .89	657-5667

31861 DAVID L SAGER 6574053
32107 PATRICK J JENZAKE -6575198
32454 HAROLD W WILLIAMS3 6576207
34 RESIDENCE 3 BUSINESS

40958 EDWARD REIDT 6576861
41013 EARL SMITH 6573538
41216 NP
41412 ARMITA MILLEK 4 6574591
41438 D M DENT 8 6577251
41489 DWAYNE GUITER 1 6574801
41816 *BPOE NO 2511 6576524
*ELKS LODGE NO 2511 6576524
42012 BILL LOWRANCE 6575323
42038 ARMITA C MILLEK 6577581
43833 EDWARD JANSTO 6573601
44320 OLGA GARCIA 9 6575667
44922 DAVID CONNER JR 6576634
45507 LARRY J UHLIR 6 6574219

1986

42ND AVE

SOURCE: BRESSERS

31861	DAVID L SAGER	8574053
32454	HAROLD W WILLIAMS3	6576207
•••••R R 2•••••		49079
47920	RICHARD T DRAKE 2	6576246

1986

MICHIGAN 40

SOURCE: BRESSERS

40958	EDWARD REIDT	0 6576861
41013	EARL SMITH	6573538
41216	ANTHONY STUPIGIA	0 6574836
41438	BILLY MCNALLY	▣6576100
41489	DWAYNE GUITER	1 6574801
43833	EDWARD JANSTO	6573601
44922	DAVID CONNER JR	6 6576634

NO LISTINGS IN RANGE

4	NO # MAXINE VANFOSEN	8 6246418	NO # MARINUS VERBURG	6 6574591	505
6	44 RESIDENCE	9 BUSINESS	NO # MARINUS VERBURG	9 6572945	507
1	M-40	MARCLUS	NO # BYRON WARD	06576461	507
10			NO # C DEAN WELLS	6575492	509
10		49067	NO # GENIEVIE WESAW	06575881	509
10	115#MARCELLS LNDRMT	6469447	NO # BILL WILLIAMS	9 6572906	511
18	9270 10447	NP	58 RESIDENCE	5 BUSINESS	513
36	10747 WALTER EDWIN BIGGS	6469506	M-40 S	PAW PAW	518
36	50511 JOHN D HEAD	5 6467685			518
84	50628#LYNNJIMS BODY SHP	6469794	.....R R 1.....	49079	518
73	51014 HERBERT OWEN	-6469850	3359 KENNETH E PRICE	9 6574500	518
43	51439 JEAN GOODING	06463128	NO # REV ROBT L MORRIS	6282139	523
83	51759 CARROLL IVENS	9 6469894	NO # JOHN RINGEL	6282608	
49	52235 EDMUND DUDEK	8 6469971	NO # JOSEPH J BUDZ SR	2 6573295	544
57	52946 MRS L KRIEGER	-6462591	NO # JOSEPH J CASTIGLIA	2 6574924	715
28	54202 DAN LONSBERY	-6469696	NO # REV EDWARD E DRAKE	06574612	121
10	54217 JOHN POULSEN	7 6469585	NO # HERSCHEL FIGG	2 6575466	121
104	54906 LEONARD HURLE	-6469107	NO # S J GARVELINK	2 6573514	121
55	55489 ROBERT WONSCH	5 6469100	NO # ARNOLD KRUERER	2 6575089	
55	55774 R A FONCANNON	9 6469304	NO #*LAWTON CHR H OF GOD	06574612	131
10N	56325 THOMAS S LAMB	-6469910	NO #MILLEKS EXCAVATING	6573565	131
	NO # OLIN H AVERY	5 6469105	NO # STEVEN MINARIK	6574345	
065	NO # JOHN E BARKENBUS	6 6469696	NO #*SEVENTH-DAY CHURCH	6575051	131
021	NO #*BCH GRV TRLR PK	6467845	NO # WALTER L SLATTERY	2 6573068	131
217	NO #*BCH GRV TRLK SALES	6467845	NO # WILLARD WHITE	8 6575072	141
608	NO # PAUL BLANCHARD	06463272	NO # FRANKLIN WHITWORTH	2 6573513	141
185	NO # ARTHUR H COOK	-6469216	NO # GERALD J WILCOX	2 6574695	141
261	NO #*CREE COACH	6465131	NO # JOHN G WOODMAN	6574073	151
261	NO # WALTER DRAGON	4 6469640	NO # DALE ZEDECK	7 6574842	151
	NO # P J EGLESTON	9 6469330	16 RESIDENCE	3 BUSINESS	151
848	NO # CARROLL R GOODING	4 6469636	M-40	THR RVR	151
664	NO # WILLIAM R GOODING	7 6467845			151
855	NO # HARRY GRAHAM	7 6469503			151
561	NO # MARK HARI	4 6469452			49093
5867	NO # ROBIN KLIR	9 6469531	61398#GA-LAN CAMPGROUNDS	-2448029	151
5865	NO # WALLACE G MEDD	9 6469434	62300 PAUL FRANCK	02445526	151
5590	NO # MACK E PARRISH	9 6463132	62310 ROBERT JACOB	02448474	151
1029	NO #*JACK SHANNON	6465876	2 RESIDENCE	1 BUSINESS	
6721	NO #*JACK SHANNON RL ES	6465876	M-40 S	WTE PGN	151
6683	NO # CHARLES SMOOT	7 6469131			151
3391	NO # GORDON SOUTHWORTH	7 6469718	.....	49099	
1570	NO # WILLIAM SOUTHWORTH	9 6463293	66719 MICHAEL MALLO	4357785	151
6864	NO # DAVID A SULLIVAN	4 6469977	66894 HARRY L CARTER	-4357494	151
3351	NO #*VFW	6469930	66896 G E PICKRELL	-4357941	151
1186	NO # BERNARD VANTHOF	7 6469845	67201 RICHARD HUSTON	04357027	151
6004	33 RESIDENCE	8 BUSINESS	NO # MILES E KITNER	9 4357549	151
3031			NO # HARRY STALLER	04357048	151
6851	M-40 N	PAW PAW	6 RESIDENCE		151
INESS					151
	.....R R 3.....	49079	M-43	DELTON	151
AWTON	NO # LEO RINGEL	-6282659			151
	NO # KENT WRAY	6282130			151
9065	NO # M ADAMS	06572922			49046
6800	NO # I F ALLISON	7 6573303	1147#BRANDOLIS SPORT SHP	6235554	
41017	NO # ARTHUR J ARENS	6574921	6590 ELMER ANDERS	6232407	
42291	NO #*BPGE NO 2511	6576524	7575#ACE HARDWARE	6235381	
46217	NO # JAMES BAILEY	6575852	*NAP SUPPLY	6235381	
46149	NO # DAVID BERNER	4 6575452	10036#M C POLE BG SUPPLY	6238101	
46332	NO # GEORGE D BERNER	6575410	1 RESIDENCE	4 BUSINESS	91
46731	NO # THOMAS D BERNER	6575209	M-43	GOBLES	151
46646	NO # CLIFFORD BIGELOW	6574913			151
46815	NO # L E BOOTHBY RN	6573559			49055
46163	NO # JEAN BREITHAUP	9 6576604	6569 MARVIN H MCCROY	4 6284257	151
	NO # ALAN R BROCKWAY	4 6573647	6671 HAROLD G RITSEMA	6284489	151
49065	NO # MARION S BURNS	2 6573770	7363 GILBERT E NOBLE	6282974	151
246866	NO # RALPH H BURNS	6573393	7786 ARVID J STOUGHTON	6282889	151
799819	NO # ED BUSKIRK	9 6574275	7901 7913 7915	NP	151
246214	NO # ROBERT E CARR	8 6575837	8188 GARRETT VELD	8 6282489	151
246777	NO # ALICE J COLE	06573714	NO # GORDON R BOOTHBY	6282763	151
246196	NO # PHILIP M COLOMBEL	6 6573617	NO # CHARLES MCLAUGHLIN	6282832	151
246473	NO # DAVID CONNER JR	6 6576634	NO # LEON PEACOCK	6282898	151
246473	NO #*CRKD CRK MBL HMS	6574591	NO # LEO J PIETROWSKI	6 6282061	151
234951	NO # LINDA DETWILER	9 6576715	NO # WILLIAM RHODES	6282836	151
241367	NO # STEPHEN E ECKERT	7 6575114	NO # M K RINGEL	6282601	151
246791	NO #*ELKS LODGE NO 2511	6576524	NO # RON VANALSTINE	9 6284698	151
241532	NO #*FRATALLONE STDIO	6574696	NO # BEN WHITALE	6282856	151
246194	NO # ROBT E GOLLADAY JR	6573461	16 RESIDENCE		
246046	NO # J D L GODDENOUGH	6574342			
246297	NO # FREDK L HINKLEY	9 6573079	M-43 E	GOBLES	6
245591	NO # EDWARD JANSTO	6573601			7
5244881	NO # DENNIS O JOHNSON	3 6575836	6921 EARL KEY	6 6284751	151
5246014	NO # MARY H JOHNSON	8 6575836	7786	NP	151
5246550	NO # ROBERT L KELLEY	6573402	NO #*ALMENA HEALTH CTR	06282167	151
5241542	NO # HERMAN KLIMACH	6575458	NO # W B DUNKELBERGER	6282971	151
5241253	NO # KEITH M KNAPP	4 6573836	NO # GARY HAAKSMA	6 6284600	151
5246173	NO # JUDITH LONG	7 6574324	NO # RONALD F JACOBS	2 6284116	151
5241158	NO # PAUL LONG	7 6574324	NO # EUGENE L KESTER	6284246	151
5246394	NO # BILL LOWRANCE	6575323	NO #*DR J ZETTELMAIER	06282167	151
5241041	NO # VERLE G MOORE	6575402	6 RESIDENCE	2 BUSINESS	151
5241040	NO # RICH D PALASINKI	-6573339			
5241364	NO # KENNETH G PEAT	6573094	M-43 W	GOBLES	151
6245421	NO # ANTHONY J PODOLK	6574339			49055
6246216	NO # ELMER PUDLINER	6574291	7901 8050	NP	151
6246364	NO # EDWARD REIDT	06576861	8104 JOHN D SEATON	6282894	151
6244681	NO #*RUTHIES TAVERN	6574623	NO # ALVIN COULSON	6282736	151
6241030	NO # GARY SANDLIN	06574491	4 RESIDENCE		
6246219	NO # LOYD M SHARP	6573814			
6241054	NO # NEORA SIMMONS	5 6574600			
6241323	NO # PHILIP SIMMONS	5 6574600			
6241136	NO # EARL SMITH	6573538			
6246061	NO # ANTHONY STUPIGIA	6574836			
6242961	NO # JOSEPH M TARALA	6576232			
6246790	NO # C TERRELL	6575158			49060
6246193	NO # HOWARD THOMPSON	9 6575614	5017 JOHN DEAL	6 6715098	151
6246180	NO # M J THORNBERG	9 6574703	5035 GEORGE LEBONTE	5 6715310	151
6246179	NO # DAVID L TOMAS	4 6574292	5045 GEORGE B LONG	6 6714279	151
6243815	NO # MRS JOHN TOMAS	6574029	5055 ARTHUR THOMPSON	6 6714234	151

NO LISTINGS IN RANGE

NO LISTINGS IN RANGE

NO LISTINGS IN RANGE

NO LISTINGS IN RANGE



FIRE INSURANCE MAPS

Project Property:	Moose Lodge 41861 M-40 Paw Paw MI 49079
Project No:	21-1101
Requested By:	Stolz Environmental Solutions, LLC
Order No:	21112900762
Date Completed:	November 29, 2021

Please note that no information was found for your site or adjacent properties.



TOPOGRAPHIC MAPS

Project Property:	Moose Lodge 41861 M-40 Paw Paw MI 49079
Project No:	21-1101
Requested By:	Stolz Environmental Solutions, LLC
Order No:	21112900762
Date Completed:	November 30, 2021

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

Year	Map Series
2017	7.5
1981	7.5
1949	15
1948	15
1946	15
1944	15

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

Pre-1947

[Page 223 of 1918 Topographic Instructions](#)

[Page 130 of 1928 Topographic Instructions](#)

1947-2009

[Topographic Map Symbols](#)

2009-present

[US Topo Map Symbols](#)

Topographic Maps included in this report are produced by the USGS and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property.

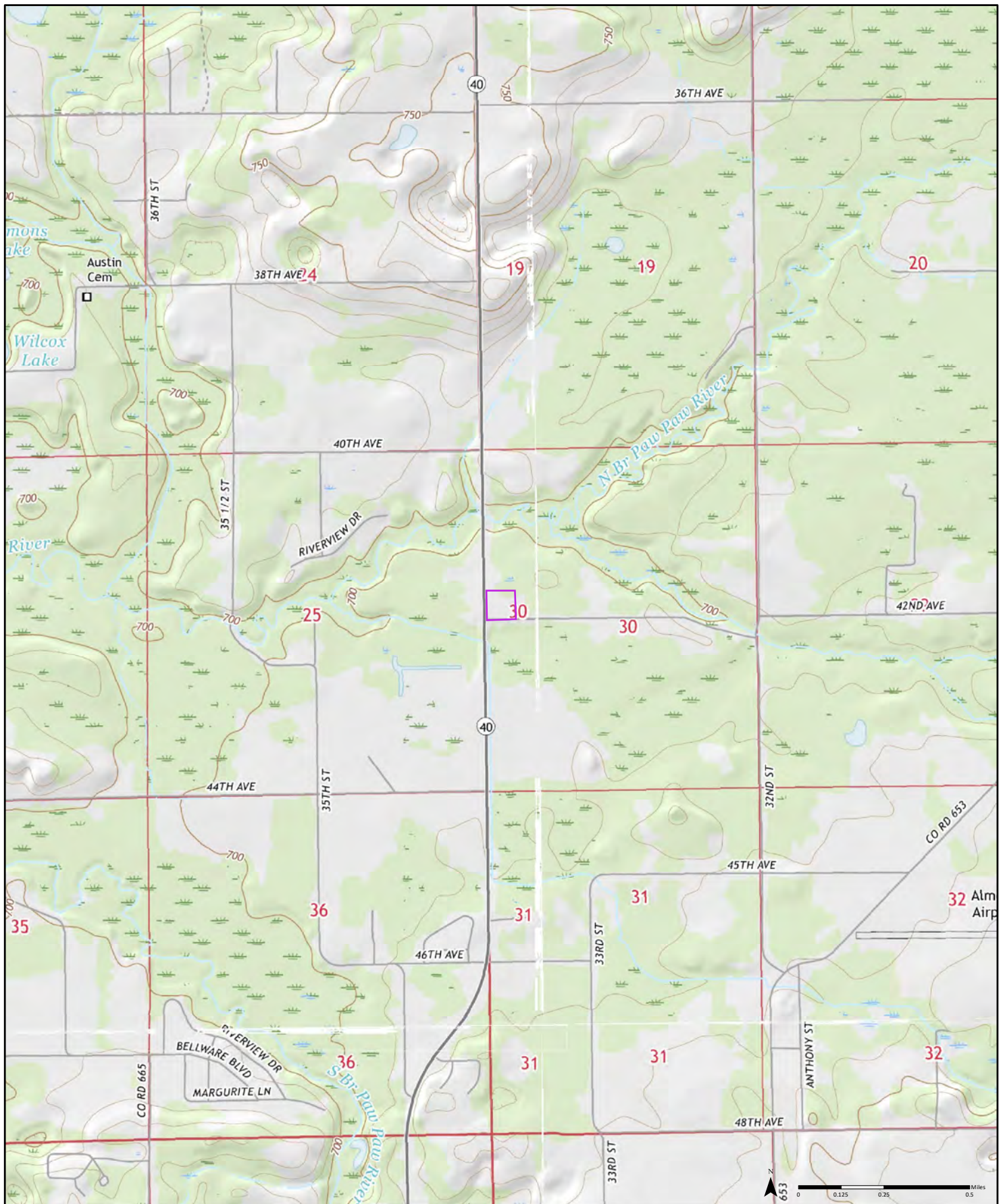
No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Inc.(in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS', using Topographic Maps produced by the USGS.

This maps contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present you with 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.

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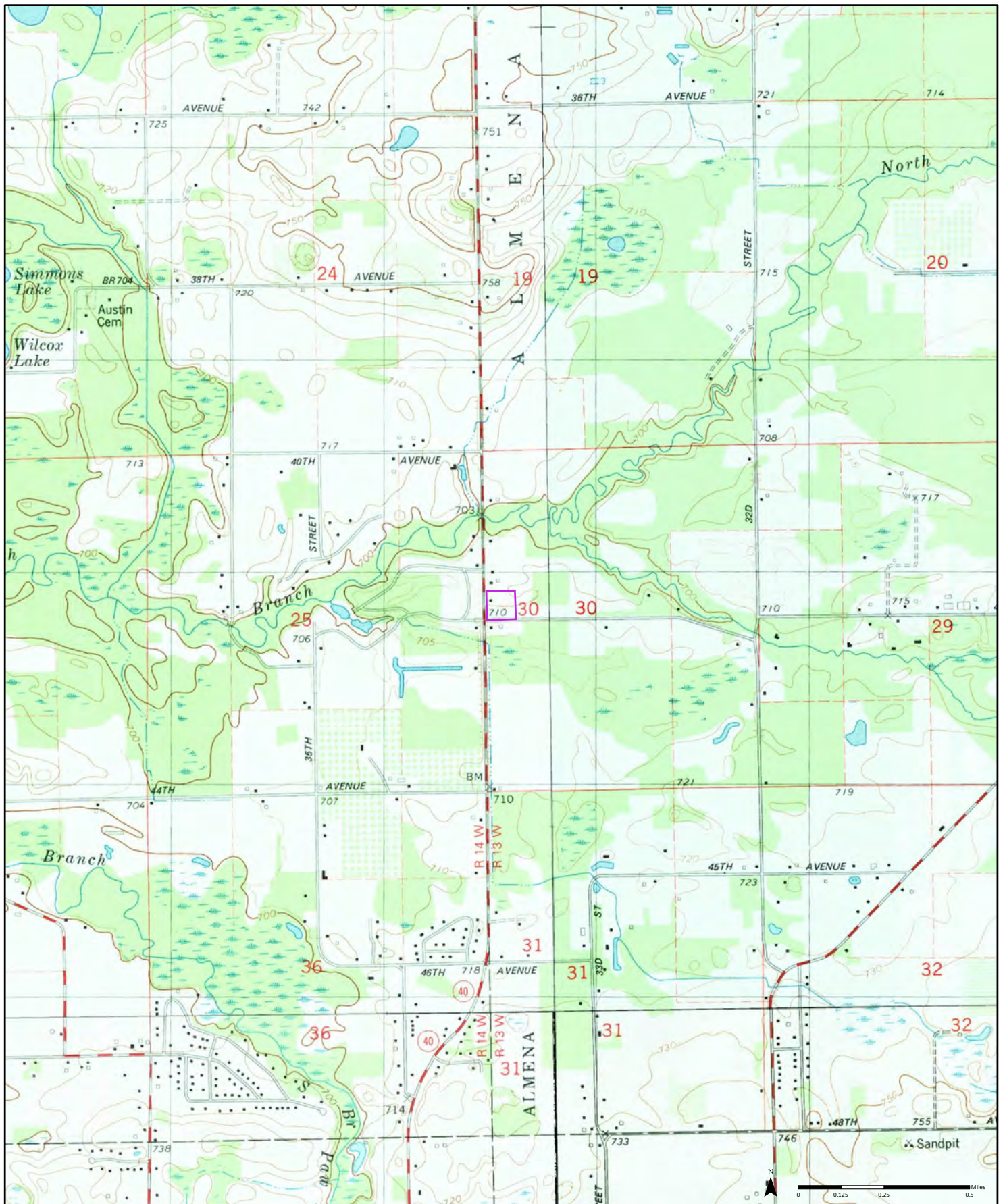
2017

Quadrangle(s): Gobles East, MI; Lawton, MI; Gobles West, MI; Paw Paw, MI

Order No. 21112900762

Source: USGS 7.5 Minute Topographic Map





1981

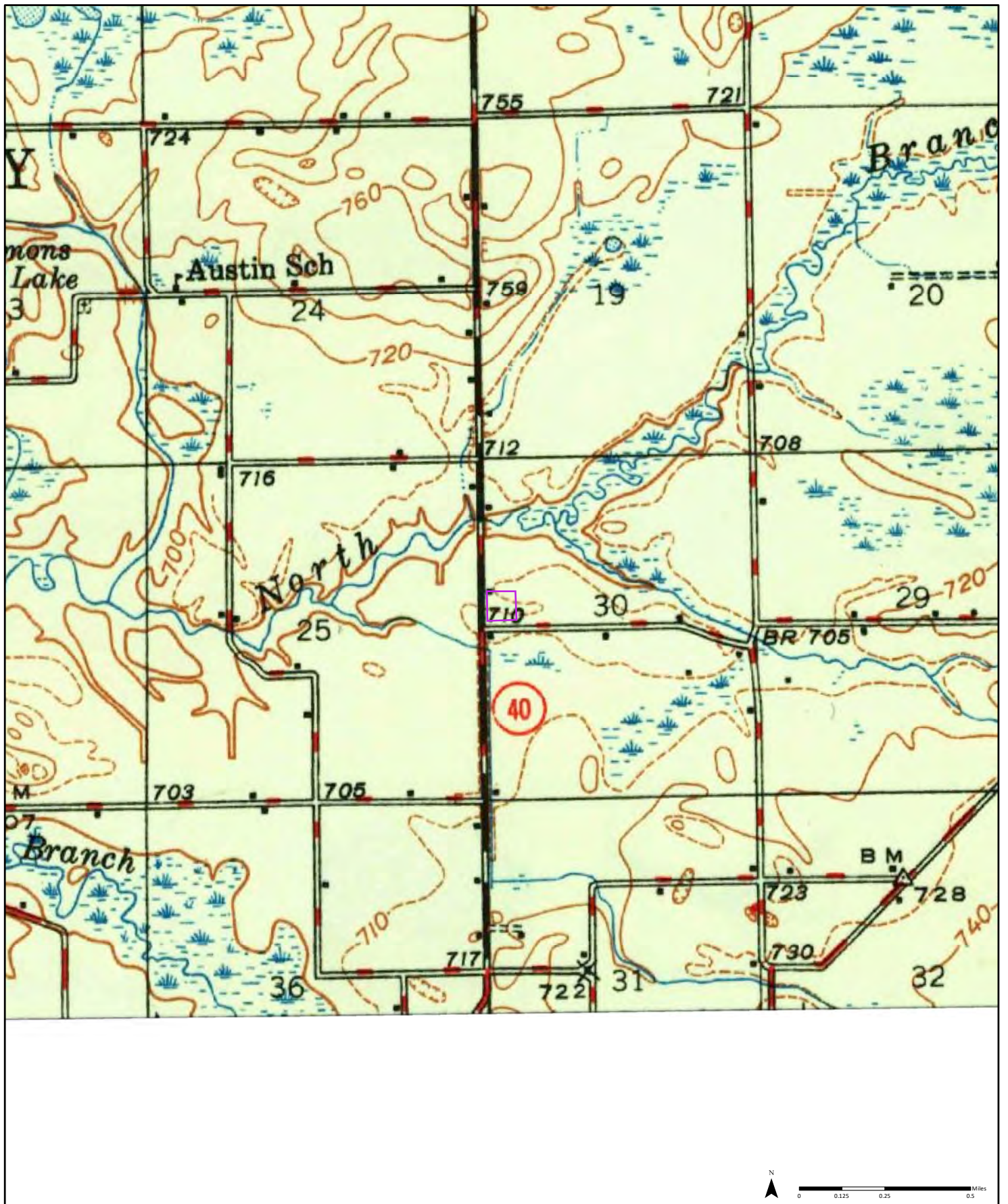
(1) Aerial Photo Year: 1976 (2) Aerial Photo Year: 1976 (3) Aerial Photo Year: 1976 (4) Aerial Photo Year: 1976

Quadrangle(s): Paw Paw, MI (1); Gobles East, MI (2); Lawton, MI (3); Gobles West, MI (4)

Order No. 21112900762

Source: USGS 7.5 Minute Topographic Map





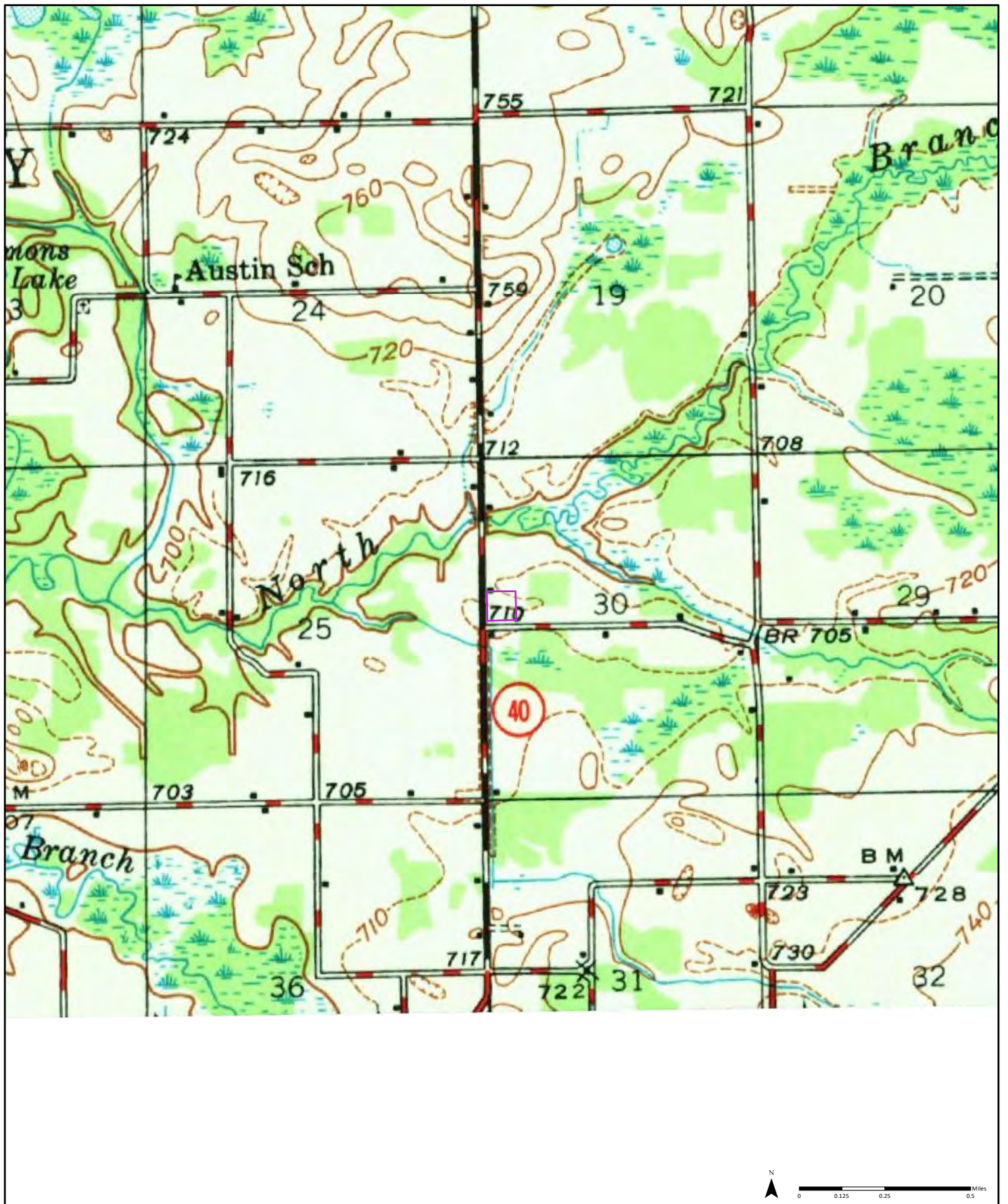
1949 ⁽¹⁾
Aerial Photo Year: 1947

Quadrangle(s): Gobles, MI ⁽¹⁾

Order No. 21112900762

Source: USGS 15 Minute Topographic Map



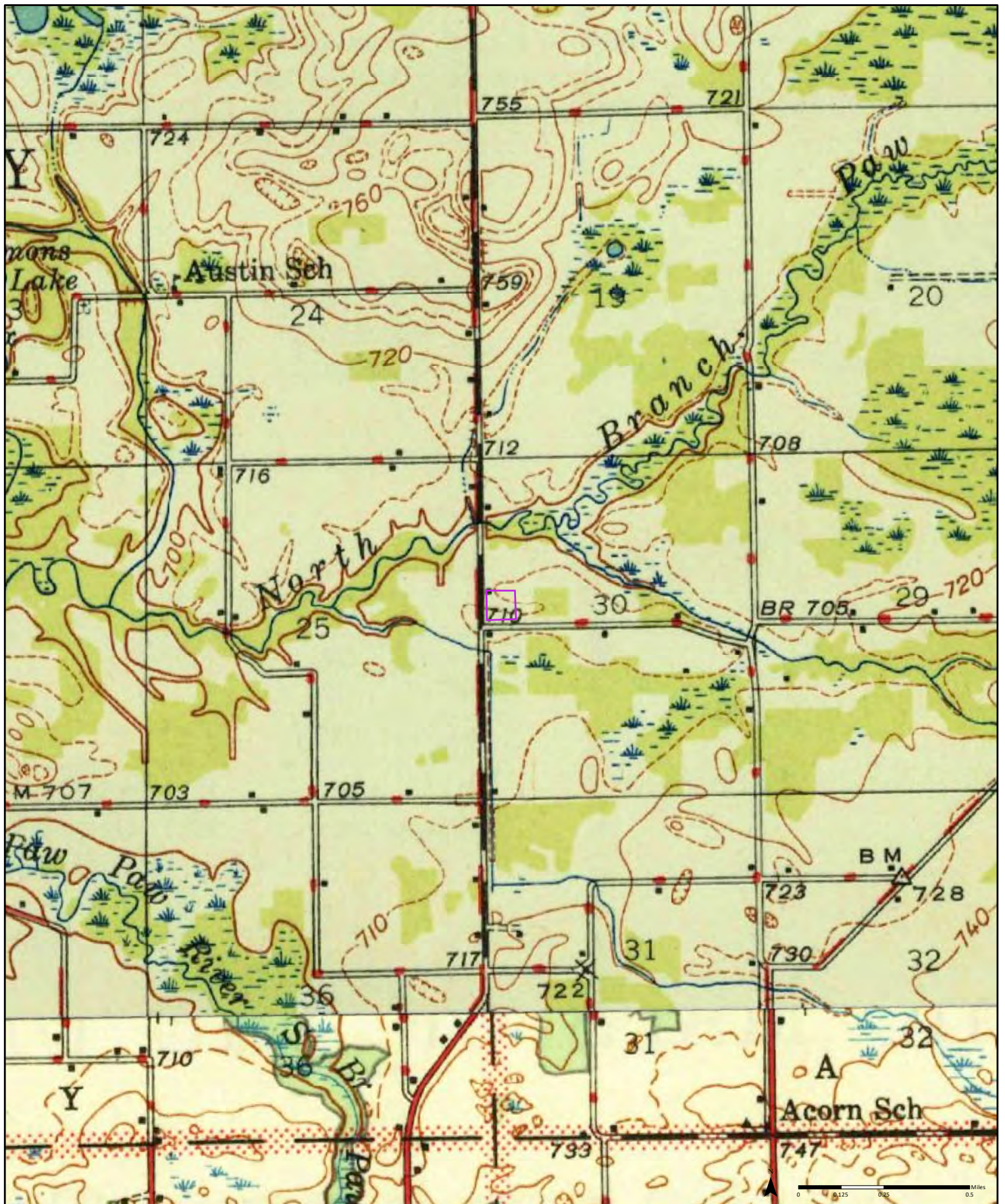


1948 ⁽¹⁾
Aerial Photo Year: 1947

Quadrangle(s): Gobles, MI ⁽¹⁾

Order No. 21112900762

Source: USGS 15 Minute Topographic Map



1946

Quadrangle(s): Gobles, MI ; Marcellus, MI

Order No. 21112900762

Source: USGS 15 Minute Topographic Map

APPENDIX I

ERIS RADIUS MAP REPORT



DATABASE REPORT

Project Property:	<i>Moose Lodge 41861 M-40 Paw Paw MI 49079</i>
Project No:	<i>21-1101</i>
Report Type:	<i>Database Report</i>
Order No:	<i>21112900762</i>
Requested by:	<i>Stolz Environmental Solutions, LLC</i>
Date Completed:	<i>November 30, 2021</i>

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Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

Reliance on information in Report: This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as database review of environmental records.

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Executive Summary

Property Information:

Project Property: *Moose Lodge
41861 M-40 Paw Paw MI 49079*

Project No: *21-1101*

Coordinates:

Latitude: *42.26722763*
Longitude: *-85.87775491*
UTM Northing: *4,680,056.58*
UTM Easting: *592,552.37*
UTM Zone: *UTM Zone 16T*

Elevation: *709 FT*

Order Information:

Order No: *21112900762*
Date Requested: *November 29, 2021*
Requested by: *Stolz Environmental Solutions, LLC*
Report Type: *Database Report*

Historicals/Products:

Aerial Photographs	<i>Historical Aerials Photographs</i>
City Directory Search	<i>CD - 1 Street Search</i>
ERIS Xplorer	<i>ERIS Xplorer</i>
Excel Add-On	<i>Excel Add-On</i>
Fire Insurance Maps	<i>US Fire Insurance Maps</i>
Physical Setting Report (PSR)	<i>Physical Setting Report (PSR)</i>
Topographic Map	<i>Topographic Maps</i>

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
<u>Standard Environmental Records</u>								
Federal								
DOE FUSRAP	Y	1	0	0	0	0	0	0
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
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
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	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
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

State

SHWS	Y	1	0	0	0	0	0	0
DELISTED CONTAM	Y	1	0	0	0	0	0	0
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	0	0	0	-	0
RECYCLING	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	0	0	0	0	-	0
DELISTED LUST	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	0	0	-	-	0
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 ILST	Y	0.5	0	0	0	0	-	0
DELISTED IUST	Y	0.25	0	0	0	-	-	0

County

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

Additional Environmental Records

Federal

FINDS/FRS	Y	PO	0	-	-	-	-	0
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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
TRIS	Y	PO	0	-	-	-	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	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	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	0	0	0	0	0
URANIUM	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCB	Y	0.5	0	0	0	0	-	0
State								
SPILLS	Y	0.125	0	0	-	-	-	0
BEA	Y	1	0	0	0	0	1	1
PFAS	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

<i>Database</i>	<i>Searched</i>	<i>Search Radius</i>	<i>Project Property</i>	<i>Within 0.12mi</i>	<i>0.125mi to 0.25mi</i>	<i>0.25mi to 0.50mi</i>	<i>0.50mi to 1.00mi</i>	<i>Total</i>
Tribal	<i>No Tribal additional environmental record sources available for this State.</i>							
County	<i>No County additional environmental databases were selected to be included in the search.</i>							

<i>Total:</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>1</i>	<i>1</i>
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**** 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

<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>
1	BEA	42505 County Road 653	42505 County Road 653 NULL MI 49079	E	0.73 / 3,841.53	1	16

Executive Summary: Summary by Data Source

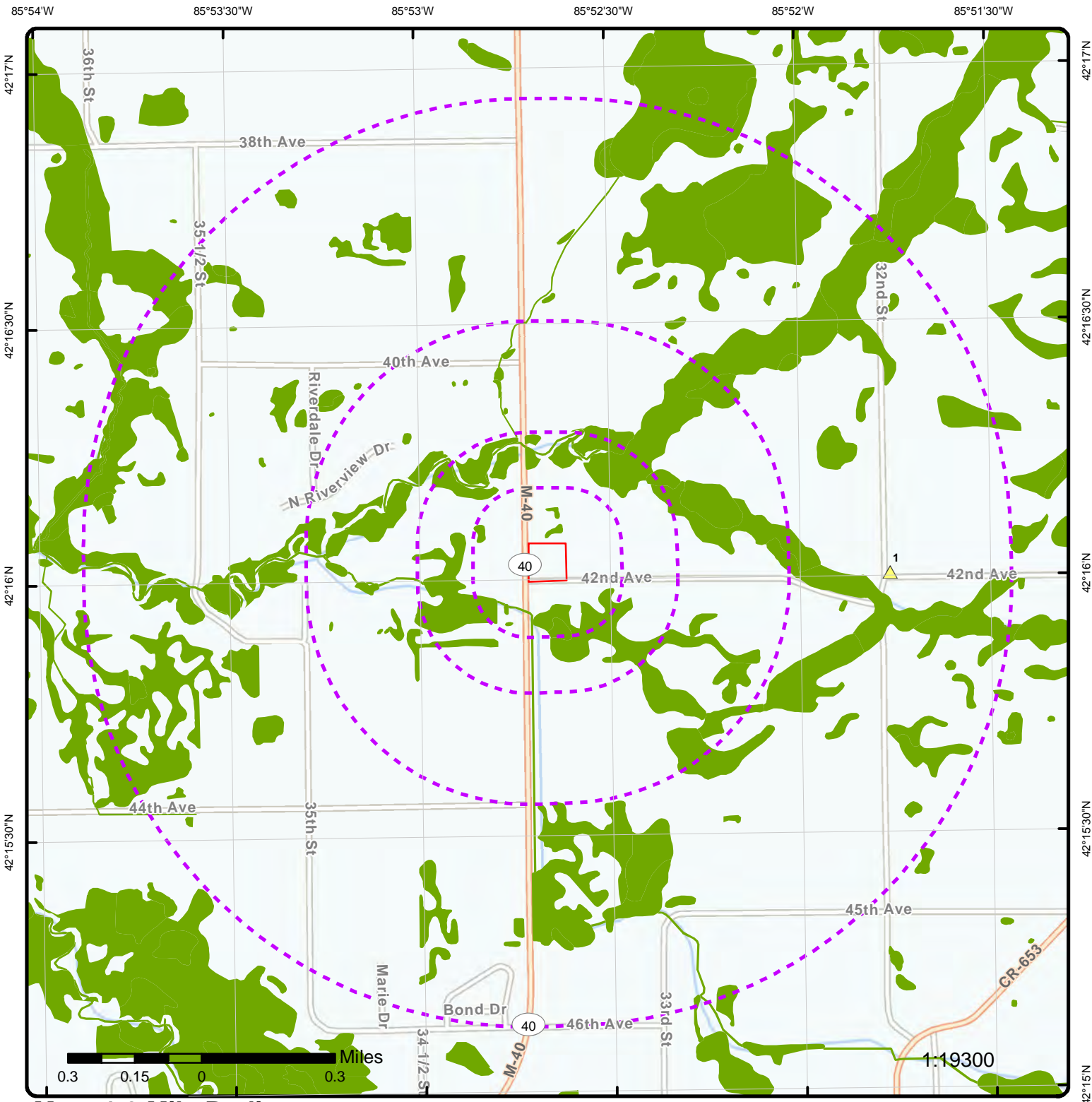
Non Standard

State

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 1.00 miles of the project property.

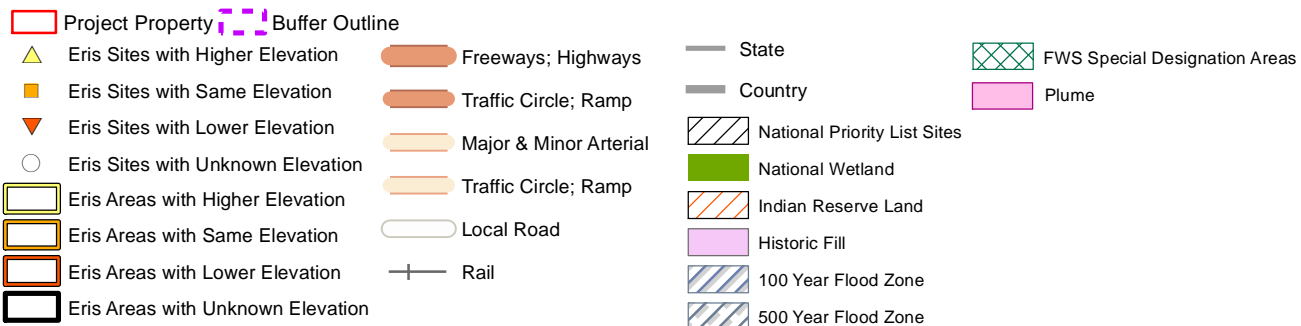
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
42505 County Road 653	42505 County Road 653 NULL MI 49079	E	0.73 / 3,841.53	<u>1</u>



Map: 1.0 Mile Radius

Order Number: 21112900762

Address: 41861 M-40, Paw Paw, MI



85°53'W

85°52'30"W

85°52'W

42°16'30"N

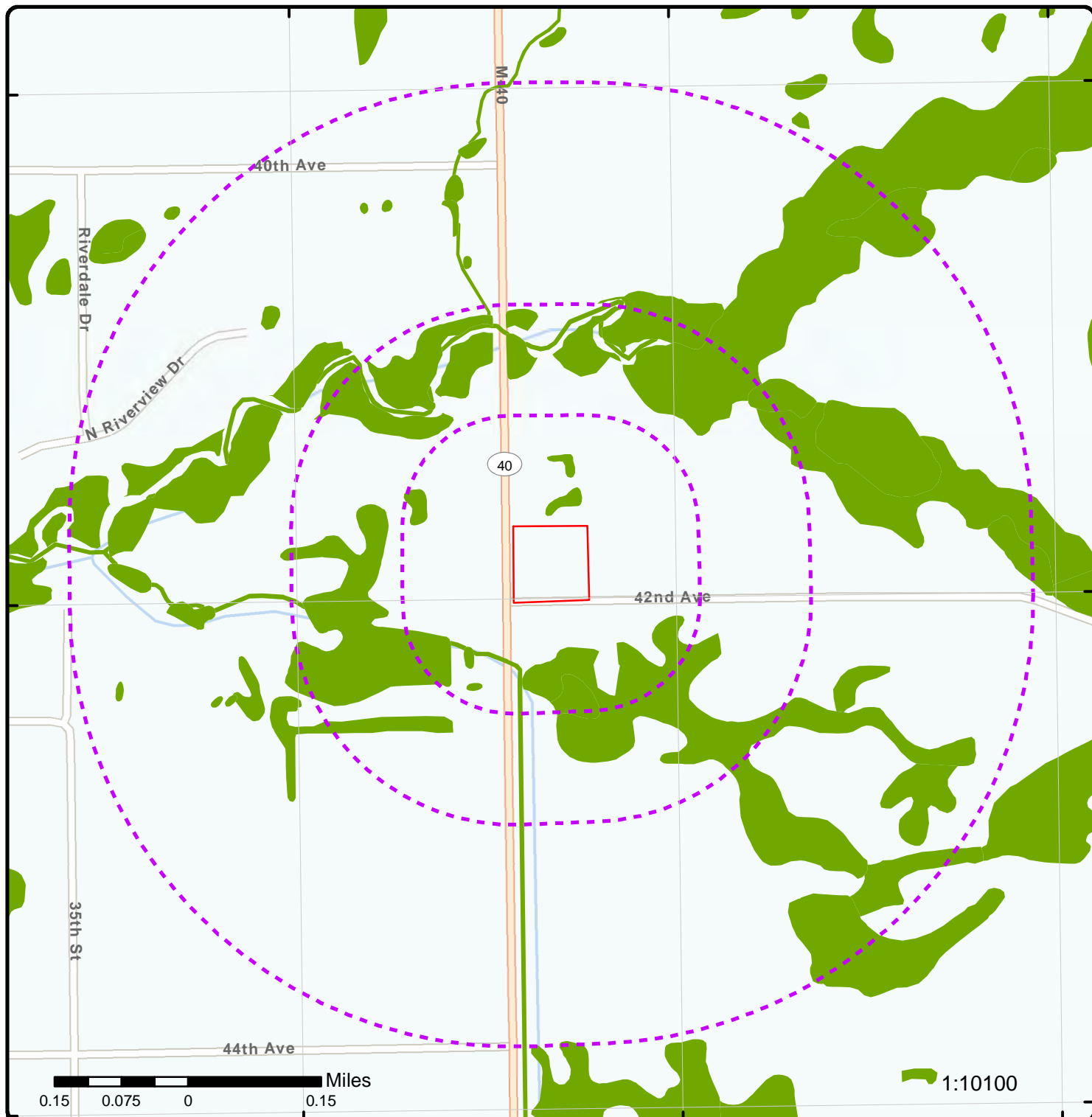
42°16'30"N

42°16'N

42°16'N

42°15'30"N

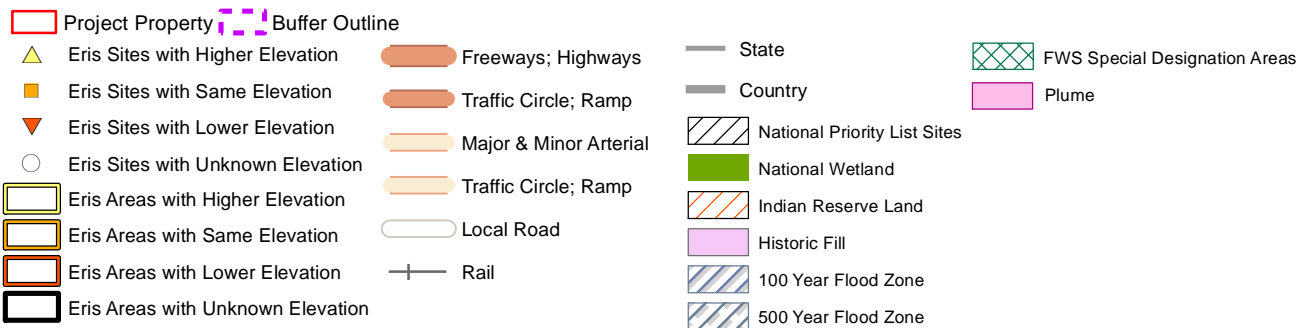
42°15'30"N

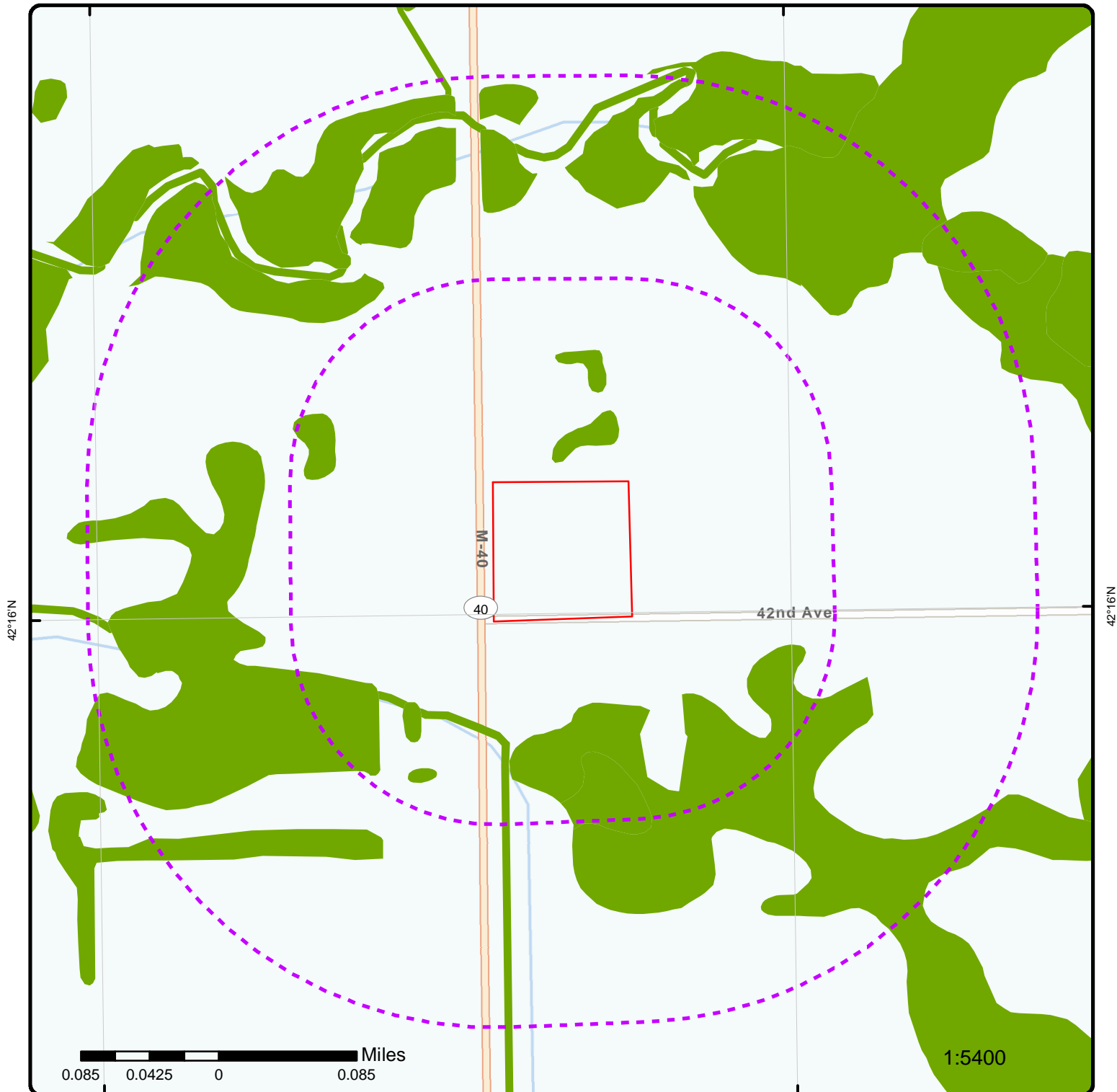


Map: 0.5 Mile Radius

Order Number: 21112900762

Address: 41861 M-40, Paw Paw, MI





Map: 0.25 Mile Radius

Order Number: 21112900762

Address: 41861 M-40, Paw Paw, MI



Project Property Buffer Outline

- | | |
|-----------------------------------|------------------------|
| Eris Sites with Higher Elevation | Freeways; Highways |
| Eris Sites with Same Elevation | Traffic Circle; Ramp |
| Eris Sites with Lower Elevation | Major & Minor Arterial |
| Eris Sites with Unknown Elevation | Traffic Circle; Ramp |
| Eris Areas with Higher Elevation | Local Road |
| Eris Areas with Same Elevation | Rail |
| Eris Areas with Lower Elevation | |
| Eris Areas with Unknown Elevation | |

State

Country

National Priority List Sites

National Wetland

Indian Reserve Land

Historic Fill

100 Year Flood Zone

500 Year Flood Zone

FWS Special Designation Areas

Plume

85°53'W

85°52'W

85°52'W

42°16'30"N

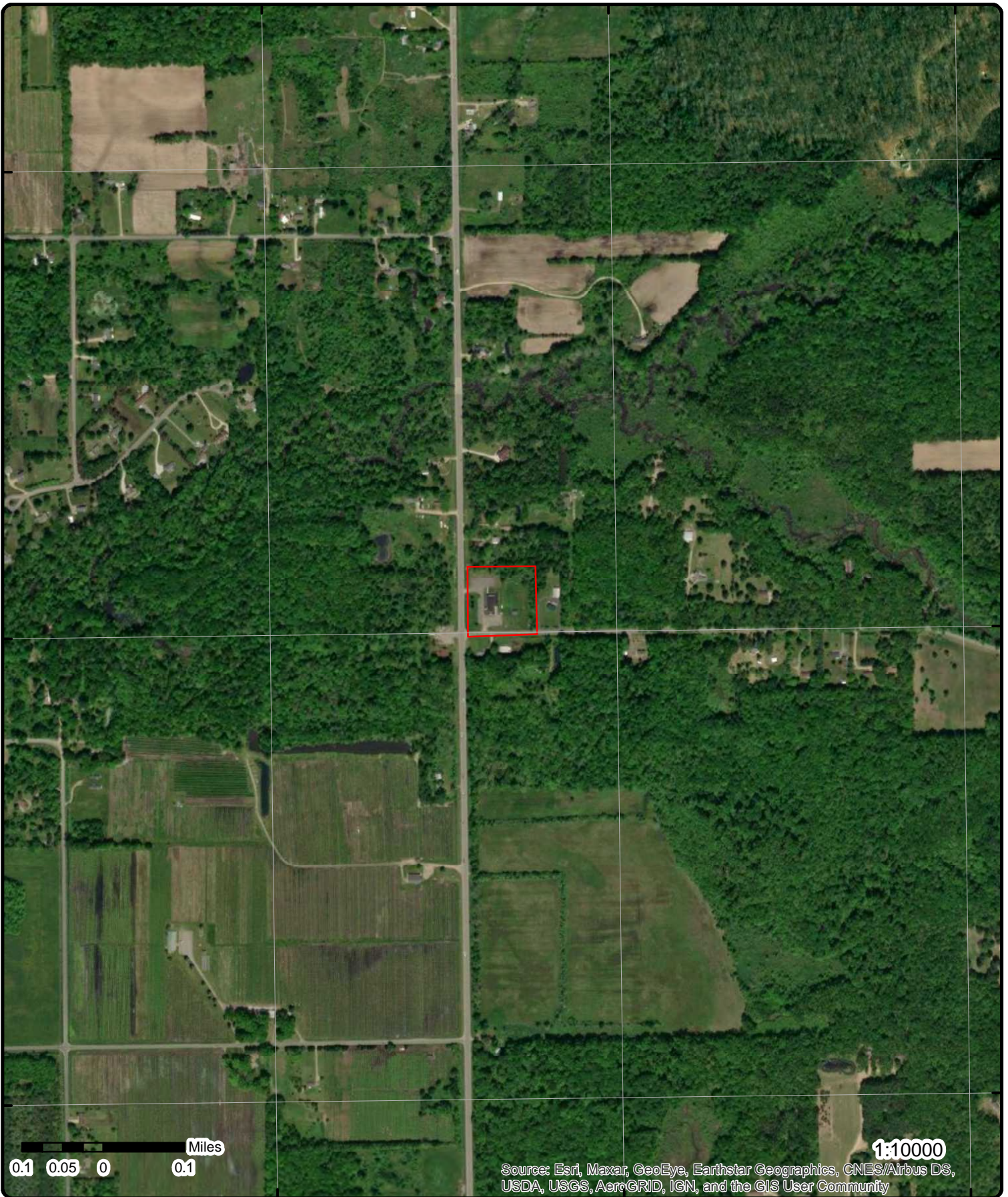
42°16'30"N

42°16'N

42°16'N

42°15'30"N

42°15'30"N



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Aerial Year: 2019

Address: 41861 M-40, Paw Paw, MI

Source: ESRI World Imagery

Order Number: 21112900762



© ERIS Information Inc.

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 1	E	0.73 / 3,841.53	710.13 / 1	42505 County Road 653 42505 County Road 653 NULL MI 49079	BEA
<div> <div> Facility ID (Web): Bea No (Web): Fac Name (Web): Address (Web): City (Web): Zip (Web): County (Web): Township (Web): District (Web): Latitude (Web): Longitude (Web): Data Source (Web): Accuracy: Facility 2: Source: Submitted: Source: </div> <div> Facility ID (Map): Bea No (Map): Fac Name (Map): Address (Map): City (Map): Zip (Map): County (Map): Township (Map): District (Map): Latitude (Map): Longitude (Map): Data Source (Map): Method of Collect: Object ID: ID: </div> <div> 80000272 80000272-BEA-1 42505 County Road 653 42505 County Road 653 NULL 49079 Van Buren Almena Kalamazoo 42.26676514 -85.86272119 20795 </div> </div>						
DEQ Baseline Environmental Assessment Sites (Map)						

Unplottable Summary

Total: 0 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
----	------------------------	---------	------	-----	---------

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

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

National Priority List:

NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) 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.

Government Publication Date: Oct 20, 2021

National Priority List - Proposed:

PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

Government Publication Date: Oct 20, 2021

Deleted NPL:

DELETED NPL

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

Government Publication Date: Oct 20, 2021

SEMS List 8R Active Site Inventory:

SEMS

The 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.

Government Publication Date: Oct 20, 2021

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 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.

Government Publication Date: Oct 20, 2021

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).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action:[RCRA CORRACTS](#)

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. 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: Aug 30, 2021

RCRA non-CORRACTS TSD Facilities:[RCRA TSD](#)

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Aug 30, 2021

RCRA Generator List:[RCRA LQG](#)

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. 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: Aug 30, 2021

RCRA Small Quantity Generators List:[RCRA SQG](#)

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. 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: Aug 30, 2021

RCRA Very Small Quantity Generators List:[RCRA VSQG](#)

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. 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: Aug 30, 2021

RCRA Non-Generators:[RCRA NON GEN](#)

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. 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: Aug 30, 2021

Federal Engineering Controls-ECs:[FED ENG](#)

Engineering controls (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. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Feb 23, 2021

Federal Institutional Controls- ICs:[FED INST](#)

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. Although it is EPA's (United States Environmental Protection Agency) 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.

Government Publication Date: Feb 23, 2021

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

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: Jul 26, 2021

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 database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Aug 20, 2021

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](#)

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: Dec 2, 2020

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](#)

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Jul 10, 2020

Petroleum Product and Crude Oil Rail Terminals:

[BULK TERMINAL](#)

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia 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 that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

Government Publication Date: Apr 28, 2020

LIEN on Property:

[SEMS LIEN](#)

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

Government Publication Date: Oct 20, 2021

Superfund Decision Documents:

[SUPERFUND ROD](#)

This database contains a listing 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 Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

Government Publication Date: Jun 28, 2021

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 9, 2021

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. This database is state equivalent CERCLIS.

Government Publication Date: Aug 9, 2021

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: Dec 2, 2020

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: Aug 24, 2021

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 4, 2020

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: Nov 7, 2019

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: Feb 2, 2021

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: Feb 2, 2021

Underground Storage Tank:[UST](#)

List of Underground Storage Tank (UST) locations. Data made available by the Michigan Department of Licensing and Regulatory Affairs and the 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.

Government Publication Date: Apr 26, 2021

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 6, 2021

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: Nov 9, 2021

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: Nov 9, 2021

Engineering and Institutional Controls:

AUL

A list of Engineering and Institutional Controls. According to U.S. Environmental Protection Agency (EPA), these engineering and institutional controls are usually legal controls intended to influence human activities in such a way as to prevent or reduce exposure to hazardous wastes or hazardous constituents that are left on a site following active cleanup work. Institutional controls, however, are not intended to be used as secured abandonment (i. e., physically securing a site and preventing exposure while making little or no effort to ensure that chemicals of concerns do not migrate to and beyond the property boundary). Institutional controls may not be appropriate as the sole remedy for off-site releases. EPA's expectation is for sites to be remediated to allow for reasonable beneficial reuse. U.S. EPA has developed guidance on the use of institutional controls at Superfund and RCRA corrective action sites, and the guidance should be consulted for additional information concerning their applicability and use.

Government Publication Date: Aug 23, 2021

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 from 2003-2012. 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, 2018

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 14, 2020

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 Environmental Quality (DEQ). The Inventory represents a subset of residential closures approved by the DEQ, those which: were submitted to the DEQ 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: Nov 5, 2018

Tribal

Leaking Underground Storage Tanks on Indian Lands:

INDIAN LUST

LUSTs on Tribal/Indian Lands in Region 5, which includes Michigan, Minnesota, and Wisconsin.

Government Publication Date: Apr 14, 2020

Underground Storage Tanks (USTs) on Indian Lands:

INDIAN UST

USTs on Tribal/Indian Lands in Region 5, which includes Michigan, Minnesota, and Wisconsin.

Government Publication Date: Apr 14, 2020

Delisted Tribal Leaking Storage Tanks:

DELISTED ILST

Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.

Government Publication Date: Apr 14, 2020

Delisted Tribal Underground Storage Tanks:

DELISTED IUST

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: Apr 14, 2020

County

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

Additional Environmental Record Sources

Federal

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 Environmental Protection Agency (US EPA).

Government Publication Date: Nov 2, 2020

Toxics Release Inventory (TRI) Program:

TRIS

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Aug 24, 2021

Perfluorinated Alkyl Substances (PFAS) Releases:

PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Aug 24, 2021

PFOA/PFOS Contaminated Sites:

PFAS NPL

List of sites where PFOA or PFOS contaminants have been found in drinking water or soil. Made available by the Federal Environmental Protection Agency (EPA).

Perfluorinated Alkyl Substances (PFAS) Water Quality:

[PFAS WATER](#)

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances.

Government Publication Date: Jul 20, 2020

SSEHRI PFAS Contamination Sites:

[PFAS SSEHRI](#)

This PFAS Contamination Site Tracker database is compiled by 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, and this is cited in the tracker. Disclaimer: The source conveys this database 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. Limited location details are available with this data. Access the following for the most current informations <https://pfasproject.com/pfas-contamination-site-tracker/>

Government Publication Date: Dec 12, 2019

Hazardous Materials Information Reporting System:

[HMIRS](#)

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Sep 1, 2020

National Clandestine Drug Labs:

[NCDL](#)

The U.S. Department of Justice ("the Department") 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: Oct 5, 2020

Toxic Substances Control Act:

[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 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).

Government Publication Date: Apr 11, 2019

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 cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.

Government Publication Date: Oct 20, 2021

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.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS):

ICIS

The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.

Government Publication Date: Jun 14, 2021

Drycleaner Facilities:

FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) online search. The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: May 5, 2021

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, 2021

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. This list is published by the U.S. Army Corps of Engineers.

Government Publication Date: May 26, 2021

Former Military Nike Missile Sites:

FORMER NIKE

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

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents:

PIPELINE INCIDENT

A list of flagged pipeline incidents 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.

Government Publication Date: Jul 7, 2020

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.

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) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

Government Publication Date: Nov 3, 2020

Surface Mining Control and Reclamation Act Sites:

[SMCRA](#)

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

Government Publication Date: Dec 18, 2020

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, 2006

Uranium Mill Tailings Radiation Control Act Sites:

[URANIUM](#)

The Legacy Management Office of the Department of Energy (DOE) manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The L.M. Office manages this database of sites registered under the Uranium Mill Tailings Control Act (UMTRCA).

Government Publication Date: Mar 4, 2017

Alternative Fueling Stations:

[ALT FUELS](#)

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

Government Publication Date: Oct 25, 2021

Registered Pesticide Establishments:

[SSTS](#)

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: Apr 13, 2021

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: Nov 19, 2020

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 30, 2021

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

A list of sites where Per- and Polyfluoroalkyl substances (PFAS) are being investigated, made available by the Michigan Department of Environment, Great Lakes, and Energy (EGLE). PFAS sites are where one or more groundwater sample exceeds the Part 201 cleanup criteria for groundwater used as drinking water, which is 70 parts per trillion of perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA), individually or combined. Site investigations get started for a variety of reasons. At some sites, like Superfund sites, EGLE staff have been overseeing environmental cleanup efforts for many years, and may add PFAS sampling to ongoing sampling if PFAS was known or suspected to have been used at the site. Other sites were sampled due to historical information, such as Carl's Retreading, which was where tires burned for many days and firefighting foam containing PFAS was used. EGLE is committed to continuing to do all of these types of sampling efforts.

Government Publication Date: Nov 8, 2021

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: Jan 7, 2021

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: Jan 7, 2021

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: Oct 11, 2019

Tribal

No Tribal additional environmental record sources available for this State.

County

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

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX J

QUALIFICATIONS OF THE ENVIRONMENTAL PROFESSIONAL

Thomas N. Stolz, CPG

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Portage, Michigan 49024
269.321.5020
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Summary of Qualifications**Technical Skills**

- Management and performance of environmental projects including Phase I Environmental Site Assessments (ESAs), Phase II ESAs, Baseline Environmental Assessments (BEAs), and soil remediation projects. Duties include business development, budget and scope development, field work, data analysis, report writing, cost tracking, subcontractor selection, and invoicing.
- Performed and managed hundreds of Phase I ESAs, Phase II ESAs, and BEAs.
- Extensive experience with multiple site projects and large site projects.
- Performed numerous Asbestos Building Assessments for demolition and renovation projects.
- Performed numerous Clandestine Laboratory Evaluations.
- Completed numerous Due Care Plans for Michigan "Facilities."
- Extensive experience communicating environmental risks and solutions to regulators (MDEGLE, EPA, MSHDA, SBA), developers, financial institutions, and site users.

Education

Bachelor of Science, Geology, August 1996
Western Michigan University, Kalamazoo, Michigan
Major: Field Hydrogeology

Experience

- **Stolz Environmental Solutions, LLC**
Kalamazoo, MI
May 2002 – Present; President
- **Soil & Materials Engineers, Inc.**
Grand Rapids, MI
August 2001 – May 2002; Senior Geologist
- **Soil & Materials Engineers, Inc.**
Kalamazoo, MI
June 1997 – August 2001; Senior Geologist
- **LANDMARK Technologies, Inc.**
Benton Harbor, MI
May 1996 - June 1997; Project Hydrogeologist

Certification

- **American Institute of Professional Geologists**
Westminster, CO
Certified Professional Geologist (CPG) #11171
- **American Society for Testing and Materials (ASTM)**
Indianapolis, IN
Environmental Site Assessments for Commercial Real Estate Training
Completed 20 November 1996
- **DeLisle and Associates**
Kalamazoo, MI
OSHA 40-hour Hazardous Operations and Emergency Response
Completed 2 June 1995
- **Michigan Department of Licensing and Regulatory Affairs**
Lansing, MI
Certified Asbestos Building Inspector

References

Available upon request
