

# HISTORIC RECORDS SCREENING REPORT

ESTUARY FLATS TASK AREA  
SUPERIOR, WISCONSIN

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PROJECT REFERENCE #18328  
WDNR PO #37000-0000010657

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**TABLE OF CONTENTS**

EXECUTIVE SUMMARY ..... i

CONCLUSIONS..... ii

1.0 INTRODUCTION..... 1

    1.1 Purpose ..... 1

    1.2 Submerged Lands ..... 1

    1.3 Methodology ..... 2

    1.4 Significant Assumptions ..... 2

2.0 SITE DESCRIPTION ..... 4

    2.1 Location and General Characteristics ..... 4

3.0 RECORDS REVIEW ..... 5

    3.1 Standard Environmental Record Sources ..... 5

    3.2 Historical Use Within the Task Area ..... 6

        3.2.1 Topographic Maps..... 6

        3.2.2 Plat/Harbor Maps ..... 6

        3.2.3 Thematic Maps ..... 7

        3.2.4 Aerial Photographs ..... 7

        3.2.5 Fire Insurance Maps ..... 7

        3.2.6 Occupancy History ..... 8

        3.2.7 Marine Directories ..... 8

        3.2.8 Local Newspaper Articles ..... 9

        3.2.9 Miscellaneous historical documents ..... 9

    3.3 Local Government Records..... 10

        3.3.1 City of Superior Historical Records ..... 10

        3.3.2 City of Superior Annual Reports ..... 10

    3.4 Federal Government Records ..... 10

        3.4.1 U.S. Army Corp of Engineers Lake/Port Series ..... 10

        3.4.2 U.S. Army Corp of Engineers Assorted Reports ..... 10

4.0 FINDINGS ..... 11

    4.1 Shoreline Changes ..... 11

    4.2 Task Area Development..... 11

    4.3 Potential Source Sites..... 11

5.0 CONCLUSIONS..... 12

**FIGURES**

- 1 Site Location Map
- 2 Site Plan Map
- 3 Historical Features Map

**ATTACHMENTS**

- 1 Site Features, circa 1915
- 2 Dredge Plans, 1933

**APPENDICES**

- A Environmental Data Resources, Inc., Radius Map™ Report
- B Topographical Maps
- C Summary of Historical Features in Task Area
- D Listing of Reviewed Maps and Historical Documents
- E Aerial Photographs
- F Sanborn Map Report
- G City Directories

## EXECUTIVE SUMMARY

The Wisconsin Department of Natural Resources (WDNR) retained The Sigma Group, Inc. (Sigma) of Milwaukee, Wisconsin to conduct a Historic Records Screening Assessment (HRSA) of properties located within the Estuary Flats Task Area in Superior, Wisconsin (task area). The purpose of the assessment was to identify parcels that are a historic, or current, potential source of metals, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and/or organotins that may have contributed to the contamination of sediments in the Environmental Protection Agency (EPA) designated St. Louis River Area of Concern (AOC). To perform the service, Sigma reviewed available aerial photographs, fire insurance maps, historical city directories, City of Superior historical records, historical maps and surveys and available regulatory documents. The assessment was completed between April and November 2019.

The Estuary Flats Task Area, which comprises approximately 15 parcels encompassing roughly 223 acres, is bordered by St. Louis Bay to the north, a railroad right-of-way to the east (Winter Street North Task Area), Winter Street to the south (Winter Street South Task Area) and the St. Louis River to the west, all located in the City of Superior, Douglas County, Wisconsin. The task area is presently undeveloped land. Historically, the task area was improved with a narrow dock extending north into St. Louis Bay.



### SHORELINE DEVELOPMENT

The task area includes submerged lands, which are described in Section 1.2 of this report. Historical documents indicate that shoreline changes within the task area were minimal. A 2,400-foot long iron ore dock, constructed in stages between 1910 and 1917, was present until 1930-1931, when it was deconstructed. Fill material from the dock cribbing was disposed of in the shallows of the task area. In 1933-1934, the U.S. Army Corps of Engineers contracted Zenith Dredge to dredge two sections of the St. Louis Bay harbor channel. Material dredged from the channel adjacent to the task area was deposited in the shallow water within the task area.

### POTENTIAL SOURCE SITES

Based on a review of the available information, Sigma did not identify any sites within the task area which are potential sources of contamination within the St. Louis River AOC.



## **CONCLUSIONS**

Sigma has reviewed available aerial photographs, fire insurance maps, historical city directories, City of Superior historical records, historical maps and surveys and available regulatory documents of the Estuary Flats Task Area located in the City of Superior, Douglas County, Wisconsin. Based on a review of the available information, Sigma does not have any recommendations for completing Phase I Environmental Site Assessments within the task area. While Sigma did not identify any potential source sites within the task area, it should be noted that the task area was a documented disposal site for dock fill materials and dredge materials, which may have contained contaminated sediments.

## **1.0 INTRODUCTION**

### **1.1 Purpose**

The Wisconsin Department of Natural Resources (WDNR), retained The Sigma Group, Inc. (Sigma) of Milwaukee, Wisconsin to conduct an analysis of historical records targeted to initiate the identification of source properties/areas and potential responsible parties (PRPs) within five task areas, all located in Superior, WI, contributing to the degradation of the St. Louis and Superior Bays. The WDNR also retained Sigma to analyze historic changes in the shoreline and drainage patterns within selected task areas and evaluate ownership for Interstate Island. The conclusions of these analyses are summarized in the following reports, submitted to the WDNR in November 2019:

- Historic Records Screening Report: Estuary Flats Task Area
- Historic Records Screening Report: Winter Street South Task Area
- Historic Records Screening Report: Winter Street North Task Area
- Historic Records Screening Report: Tower Avenue Task Area
- Historic Records Screening Report: Gas Plant Task Area
- Historic Records Screening Report: Historic Maps Supplemental Volume
- Shoreline Changes: Task Areas: Winter Street, Tower Avenue, Gas Plant
- Drainage Patterns: Task Areas: Winter Street, Tower Avenue, Gas Plant
- Interstate Island Ownership Research Summary

This report is a Historic Records Screening Assessment (HRSA) of properties located within the Estuary Flats Task Area in Superior, Wisconsin (task area). The purpose of the assessment was to identify parcels that are a historic, or current, potential source of metals, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and/or organotins that may have contributed to the contamination of sediments in the U.S. Environmental Protection Agency (EPA) designated St. Louis River Area of Concern (AOC). The assessment was completed between April and November 2019.

To perform the service, Sigma reviewed available aerial photographs, fire insurance maps, historical city directories, City of Superior historical records, historical maps and surveys and available regulatory documents. The report body discusses the overall task area and is organized by record sources. The findings of the assessment are summarized in this report.

### **1.2 Submerged Lands**

The majority of the task area comprises submerged lands. Section 24.39(4), Wis. Stats., in conjunction with s. 30.11, Wis. Stats., grants authority to the board of commissioners of public lands to lease "rights to the beds of lakes and rights to fill in beds of lakes or navigable streams" to individual riparian owners and municipalities. These leases may be granted to riparian owners for the purpose of improving navigation and for the improvement or construction of harbor facilities. A lease may also be granted to municipalities, where the municipality is the riparian owner, for the purpose of improving or providing recreational facilities related to navigation for public use.

### **1.3 Methodology**

Research of the of the Estuary Flats Task Area and individual properties within it evaluated the task area's historical use and examined the generation, treatment, storage, and disposal of hazardous chemicals, materials, substances, and wastes for potential sources of environmental concern. Research included a review of reasonably ascertainable records and interviews of knowledgeable local and state officials.

An initial screen identified sites which were potential sources of contamination:

- Manufacturing and repair facilities;
- Bulk storage facilities;
- Facilities with the potential to produce contaminated fill materials (foundries, power plants, etc.);
- Parcels created through shoreline filling;
- Facilities with histories of environmental violations; and
- Facilities with documented releases and/or identified on-site contamination.

Sites identified through the initial screen are depicted in **Figure 3**. The identified sites were then evaluated based on their potential to impact the St. Louis and Superior Bays through the following pathways:

- Surface water run-off and/or erosion;
- Subsurface contaminant migration;
- Sewer conveyance;
- Wind dispersal; and
- Fill material placement.

Sites with the potential to impact the St. Louis and Superior Bays were then overlaid onto present-day parcels to identify properties which merit further evaluation. The limits of each potential source site were selected to capture all known potential sources of contamination tied to a given facility. Due to changes in land use patterns and parcel limits, the potential source sites may include multiple present-day parcels with multiple landowners.

In some areas, an earlier potential contaminant source facility (e.g. petroleum product storage terminal) was demolished and a later potential contaminant source facility (e.g. railroad parts manufacturing plant) was constructed in its place. In these cases, the outlines of both facilities were included in a single potential source site outline.

### **1.4 Significant Assumptions**

Sigma's review was performed using the degree of care and skill ordinarily exercised under similar localities. No other warranty or guarantee, expressed or implied, is made as to the conclusions and recommendations included in this report.

Specified information contained in this report has been obtained from publicly available sources and other secondary sources of information produced by entities other than Sigma. Although care has been taken by Sigma in compiling the information, Sigma disclaims any and all liability for any errors, omissions, or inaccuracies of the third parties in such information and data, and for any consequences arising there from.

The conclusions contained in this report are based upon information provided by the client and our investigation of available public records and should not be considered legal advice. Latent conditions at the site are not known. The review did not include sampling of rock, soil, groundwater, surface water, air or all on-site substances or materials. It is, therefore, not possible to confirm the release of, presence of, or absence of toxic or hazardous substances, wastes or materials in the environments associated with the site.

### **1.5 Abbreviations**

AOC- Area of Concern

AST – Aboveground Storage Tank

BNSF – Burlington-Northern Santa Fe Railway Company

BRRTS – Bureau for Remediation & Redevelopment Tracking System

CERCLIS – Comprehensive Environmental Response, Compensation & Liability Information System

DNAPL – Dense Non-Aqueous Phase Liquid

EDR – Environmental Data Resources, Inc.

EPA – Environmental Protection Agency

ERNS – Emergency Release Notification System

ERP – Environmental Repair Program

ES – Enforcement Standard (groundwater quality standard)

ESA – Environmental Site Assessment

GIS – Geospatial Information System

HRSA – Historic Records Screening Assessment

LAST – Leaking Aboveground Storage Tank

LNAPL – Light Non-Aqueous Phase Liquid

LUST – Leaking Underground Storage Tank

MSL – Mean Sea Level

MTBE – Methyl Tert-Butyl-Ether

NOAA – National Oceanic & Atmospheric Administration

PAH – Polycyclic Aromatic Hydrocarbon

PAL – Preventive Action Limit (groundwater quality standard)

PRP – Potentially Responsible Party

RCL – Residual Contaminant Level

RCRA – Resource Conservation & Recovery Act

SVOC – Semi-Volatile Organic Compound

USACE – United States Army Corps of Engineers

USGS – United States Geologic Survey

UST – Underground Storage Tank

VOC – Volatile Organic Compound

WDNR – Wisconsin Department of Natural Resources

WHS – Wisconsin Historical Society

## 2.0 SITE DESCRIPTION

### 2.1 Location and General Characteristics

The Estuary Flats Task Area, which comprises approximately 15 parcels encompassing roughly 223 acres, is bordered by St. Louis Bay to the north, a railroad right-of-way to the east (Winter Street North Task Area), Winter Street to the south (Winter Street South Task Area) and the St. Louis River to the west, all located in the City of Superior, Douglas County, Wisconsin. The task area is presently undeveloped land. During a July 2019 visual assessment from public waters, Sigma observed signs of shore erosion. A site location map and a site plan map of the task area are included as **Figures 1 and 2**.



**Photo 1**-View of the task area from the north.



**Photo 2**-View of the task area from the west.

### 3.0 RECORDS REVIEW

#### 3.1 Standard Environmental Record Sources

Sigma utilized the services of Environmental Data Resources (EDR) to provide regulatory data from Federal and State agencies. The federal regulatory data includes: the National Priorities List (NPL); the Resource Conservation and Recovery Act (RCRA) notifiers; the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) database; and the Emergency Response Notification System (ERNS) database. The state data includes the Leaking Underground Storage Tanks (LUST) list, the Registered Underground Storage Tank list, and the State Solid Waste Facilities/Landfill Sites list. In reviewing the data provided by EDR, Sigma focused on sites within the task area. **Appendix A** of this report includes the EDR summary report. EDR did not identify parcels within the task area in a review of the following databases:

- National Priorities List;
- Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS);
- Resource Conservation and Recovery Act Corrective Action Report (CORRACTS);
- Resource Conservation and Recovery Act Generator (RCRA);
- RCRA-Treatment, storage, or disposal facilities (TSDF);
- Emergency Response Notification System (ERNS);
- State Hazardous Waste (SHWS);
- State Landfill;
- Leaking Underground Storage Tanks (LUSTs);
- Underground Storage Tanks (USTs);
- Wisconsin Environmental Repair Program (ERP);
- Aboveground Storage Tanks (ASTs);
- Leaking Aboveground Storage Tanks (LASTs);
- Emergency Release Reports;
- RCRA Administration Action Tracking System (RAATS);
- Hazardous Materials Incident Report System (HMIRS); and
- PCB Activity Database (PADS).

## **3.2 Historical Use Within the Task Area**

### **3.2.1 Topographic Maps**

A United States Geological Survey (USGS) 7.5 Minute topographic map, designated as the West Duluth, Minnesota Quadrangle, was reviewed as part of this assessment (**Figure 1**). The task area, which is located at an elevation of approximately 602 feet above mean sea level (MSL), is characterized by a topography that slopes toward the north (St. Louis Bay).

Historic topographic maps provided by EDR were reviewed to identify past land uses and any readily apparent environmental concerns within the task area. USGS topographic maps reviewed included the 15-minute Superior (1915 and 1917) and the 7.5-minute Superior, Duluth, Duluth Heights and West Duluth (1953, 1954, 1969, 1975, 1981, 1983, 1993 and 2013) maps. The 2013 map does not depict buildings or structures. Copies of the topographic maps are included in **Appendix B**. Detail images from the maps can also be reviewed in the *Historic Maps Supplemental Volume*, prepared by Sigma in November 2019.

A review of the maps indicated that the task area shoreline has been relatively consistent from 1915 to 2019. In the 1915 and 1917 maps, a long, narrow dock extends north from the shoreline in the western section of the task area. In the 1953 through 1997 maps, the piles from the dock are depicted, though the dock itself is not.

A full summary of major historical features identified in the task area is included in **Appendix C**. Locations of features are depicted in **Figure 3**.

### **3.2.2 Plat/Harbor Maps**

Sigma reviewed plat and harbor maps within the task area provided by the Wisconsin Historical Society, United States Library of Congress and the National Oceanic and Atmospheric Administration (NOAA). Available maps included Land & River Company maps from 1887, 1889, 1890, 1894 and 1909; U.S. Army/War Department Corps of Engineers (USACE) harbor maps from 1863, 1893, 1898, 1901, 1908, 1914, 1915, 1919, 1925, 1926, 1935, 1936, 1940, 1943, 1946, 1948, 1950, 1952, 1955, 1958, 1961, 1964, 1967, 1970, 1973, 1976, 1980, 1988, 1991, 1996, 1997, 2000, 2005, 2007 and 2014; and maps prepared by other entities in 1890, 1892, circa 1893, circa 1900, 1907, circa 1909, circa 1916, 1925 and 1929. A full list of reviewed maps is included in **Appendix D**. Detail images from the maps, showing the task area outline, can be reviewed in the *Historic Maps Supplemental Volume*, prepared by Sigma in November 2019.

A review of the maps indicated that the task area shoreline has been relatively consistent from 1915 to today. In maps from 1914 through 1929, a long, narrow dock, owned by the Minneapolis, St. Paul and Sault Ste. Marie Railroad and the SOO Railroad, extends north from the shoreline in the western section of the task area. In the 1935 through 2014 maps, the piles from the dock are depicted, though the dock itself is not.

A full summary of major historical features identified in the task area is included in **Appendix C**. Locations of features are depicted in **Figure 3**.

### 3.2.3 Thematic Maps

Sigma reviewed thematic maps, which identified various points of interest, within the task area at the Wisconsin Historical Society (WHS) located in Madison, Wisconsin and through the WHS and United States Library of Congress websites. Available maps included perspective maps from 1883, 1887, 1890, 1893, 1913, and circa 1915; an industrial tour map from 1934; and local tourist-type maps from circa 1909, circa 1916, 1932, 1951, 1966, 1970, 1978-1981 and 1989. A full list of reviewed maps is included in **Appendix D**. Detail images from the maps, showing the task area outline, can be reviewed in the *Historic Maps Supplemental Volume*, prepared by Sigma in November 2019. Due to the thematic nature of these maps they were not used to analyze shoreline changes.

A review of the maps indicated that an elevated ore dock, owned by the SOO Railroad, extended north into St. Louis Bay in the western section of the task area during a period including the years 1913 and 1915.

A full summary of major historical features identified in the task area is included in **Appendix C**. Locations of features are depicted in **Figure 3**.

### 3.2.4 Aerial Photographs

Sigma reviewed aerial photographs within the task area. Available photographs, obtained from EDR, were dated 1938, 1948, 1952, 1958, 1970, 1975, 1986, 1992, 1997, 2006, 2010, 2013 and 2017. Based on the scale and general nature of the historical photographs, only major development or construction projects could be confirmed.

A review of the aerial photographs indicated that the task area shoreline has undergone minimal changes from 1938 to today. Sigma did not identify any major development or historical buildings in the task area in the aerial photograph review.

**Appendix E** includes copies of the photographs. A full summary of major historical features identified in the task area is included in **Appendix C**. Locations of features are depicted in **Figure 3**.

### 3.2.5 Fire Insurance Maps

Sigma contacted EDR for available certified Sanborn fire insurance maps depicting the task area. Developed in the late 1800's, the maps were used until approximately the mid-1900s. EDR reported that certified Sanborn map coverage in the task area was not available for the task area. Sigma also reviewed Sanborn fire insurance index maps for 1889, 1914, 1949 and 1955 on the U.S. Library of Congress website. Finally, Sigma reviewed a fire insurance map prepared by the Rascher Insurance Map Publishing Company in 1892, provided by the WHS.

The task area was not included in the 1889 map. Limited sections of the task area were depicted in the 1892 and 1914 maps. The 1949 and 1955 map collections depicted the task area in overview/index maps but did not include detailed maps of the task area.



The 1914 Sanborn map depicted the task area with an 82-foot high trestle dock extending north into the harbor. The dock was described as the Minneapolis, St. Paul and Sault Ste. Marie Railway Ore Dock, with 300 ore pockets located 44 feet above the water line. The dock was built using 12" timbers and topped with four parallel sets of railroad tracks. The tracks converged at the base of the dock and continued south across Winter Street on a trestle.

The 1914 map also depicted around 20-30 small dwellings scattered throughout the eastern section of the task area. This area was described as "Lehigh Road" or "The Brick Yard". Index maps from 1949 and 1955 did not depict any structures in the task area.

**Appendix F** contains a copy of the Certified Sanborn Map report provided by EDR. Additional fire insurance maps from 1914 and earlier can be reviewed in the *Historic Maps Supplemental Volume*, prepared by Sigma in November 2019. Due to copyright, only some of the reviewed fire insurance maps are included in the volume. A full summary of major historical features identified in the task area is included in **Appendix C**. Locations of features are depicted in **Figure 3**.

### 3.2.6 Occupancy History

Originally a list of residents, city directories provide the names of residents or businesses and the type of business (if unclear) in a business index, a resident index and a street index. Sigma reviewed city directories within the task area. Available city directories, dating from 1964 to 2014, were reviewed in approximately five-year increments. Sigma did not identify any occupants within the task area in the city directory review.

A copy of the city directory report is included in **Appendix G**.

Sigma also reviewed selected portions of Polk's Superior City Directories, available at the Superior Public Library, for 1924, 1930, 1937, 1940, 1942, 1943, 1946, 1957-1958, 1959, 1961, 1962 and 1991. This review was focused on particular businesses and should not be interpreted as a comprehensive listing of all businesses listed in these directories. Sigma identified the following occupant in the task area:

- The "Brickyard" was listed to the north of Winter Street and east of the SOO Ore Dock in 1924.
- The Minneapolis, St. Paul & Sault Ste Marie Railway ore docks were listed at the west end of Winter Street in 1930.

### 3.2.7 Marine Directories

Great Lakes marine directories provide the names of businesses and vessels involved in the shipping industry of the Great Lakes. Sigma reviewed a marine directory compiled by R.L. Polk & Co. in 1891, directories compiled by Beeson's Marine Directory in 1901, 1902, 1904, 1909, 1910 and 1917, and directories compiled by the Green Marine Directory of the Great Lakes Co. in 1924, 1929, 1936, 1940, 1943, 1945, 1946, 1947, 1951, 1956 and 1962. Sigma identified the following occupants in the task area:

- The SOO line iron ore dock was listed in the 1917, 1924 and 1929 directories. The 1917 directory stated that the dock was 1,500 feet long at that time.

### 3.2.8 Local Newspaper Articles

Sigma reviewed historical newspaper articles from Superior-Duluth newspapers which were organized and archived by the Superior Public Library, the Works Progress Administration and the Lake Superior Maritime Collection at the Jim Dan Hill Library, UW-Superior.

Sigma reviewed the Superior Telegram *Annual Review*, produced for 1915, 1916, 1917, 1918 and 1929. Relevant information in this publication for the task area included the following:

- In 1916, the SOO ore dock was extended from 1,800 feet to 2,400 feet.

### 3.2.9 Miscellaneous Historical Documents

Sigma reviewed historical documents including letters, reports and photographs which were provided by the Superior Public Library and the Lake Superior Maritime Collection at the Jim Dan Hill Library, UW-Superior.

A historical photograph of the SOO ore dock, included in the Lake Superior Maritime Collection, includes a handwritten note stating that the dock was deconstructed in 1930-1931 and partially destroyed in a fire at that time.

A set of undated specifications for the removal of the SOO ore dock were also included in the Lake Superior Maritime Collection. The specifications state that the dock was constructed in stages, with the base constructed in 1910-1911. The dock was extended three times, by approximately 600 feet at a time, in 1911-1912, 1912-1913 and 1916-1917. The specifications also indicate that portions of the dock had been damaged in a fire. The intended reuse/disposal sites of dock components were as follows:

- Concrete portions (approximately 185 cubic yards) of the dock were deposited “along the lake shore” on SOO line properties near the ore dock and Connors Point, about one mile to the northeast of the task area.
- Approximately 7,700 timber piles were shipped to Marquette, MI for the construction of a new ore dock. The piles were pulled beginning at the outermost section of the dock, working towards the shore, stopping once 7,700 piles had been removed.
- The crib filling, with the exception of rocks, was to be disposed of in the shallows owned by the SOO Line.
- Loose rocks were to be disposed of on SOO line properties in Superior, though not in water.
- With the exception of the crib filling, the specifications prohibited the disposal of any waste materials into the slip and prohibited setting waste materials adrift.

### **3.3 Local Government Records**

#### **3.3.1 City of Superior Historical Records**

In July 2019, Sigma reviewed available planning, public works and engineering records for parcels within the task area at Superior City Hall. Reviewed records were generally produced from the 1960s through the 1990s. Records of significance for the task area were not identified.

#### **3.3.2 City of Superior Annual Reports**

Beginning in 1890, the city statistician of Superior issued a series of annual reports which described major developments from the past year. Sigma located three of these reports, which covered 1890, 1892 and 1902. Relevant information for the task area was not identified.

### **3.4 Federal Government Records**

#### **3.4.1 U.S. Army Corps of Engineers Lake/Port Series**

The Lake Series and Port Series Reports are documents prepared by the U.S. government, summarizing port and harbor facilities, as well as harbor and channel improvements by the federal government and local interests for each major port in the United States in a given year. Sigma reviewed reports from this series for 1932, 1939, 1961, 1974, 1987 and 2006. The 2006 report used survey data collected in 1999. Sigma did not identify references to any facilities within the Estuary Flats Task Area.

#### **3.4.2 U.S. Army Corps of Engineers Assorted Reports**

Sigma reviewed harbor histories and other reports prepared and/or commissioned by the U.S. Army Corps of Engineers (USACE), including a 1940 history of the harbor and a 1976 cultural resources survey. Relevant information from these reports is summarized below:

- According to a 1935 contract summary document, in 1933-1934, the USACE contracted Zenith Dredge to dredge two sections of the harbor channel in Duluth-Superior. Material dredged from the St. Louis Bay channel adjacent to the Estuary Flats Task Area was deposited in the shallow water in the task area.
- The 1940 harbor history stated that the Minneapolis, St. Paul and Sault Ste. Marie Railway (SOO Line Railway) constructed an iron ore dock in the task area, which was in operation from 1911 through 1929. The dock had a peak storage capacity of 120,600 tons. The 1975-1976 Cultural Resources Survey noted that the dock was razed by fire and demolished in 1930.

## 4.0 FINDINGS

### 4.1 Shoreline Changes

The task area includes submerged lands, which are discussed in Section 1.2 of this report. Historical documents indicate that shoreline changes within the task area were minimal. A 2,400-foot long iron ore dock, constructed in stages between 1910 and 1917, was present until 1930-1931, when it was deconstructed. Fill material from the dock cribbing was disposed of in the shallows of the task area. An annotated historical map depicting the historical ore dock is included as **Attachment 1**.

In 1933-1934, the U.S. Army Corps of Engineers contracted Zenith Dredge to dredge two sections of the Duluth-Superior harbor channel. Material dredged from the St. Louis Bay channel adjacent to the Estuary Flats Task Area was deposited in the shallow water within the task area. An annotated detail image of the dredging plan is included as **Attachment 2**.

### 4.2 Task Area Development

Historical documents indicate that development within the task area was limited. In 1910, the Minneapolis, St. Paul & Sault Ste. Marie Railway, also known as the SOO Line Railway, constructed an 82-foot high rail trestle extending north into the harbor. The trestle was supported by a dock constructed with over 7,700 timber piles, a timber crib filled with rocks and other materials, and a concrete fender. The dock was extended several times, with the final extension in 1916-1917. The dock was used to load iron ore onto lake vessels and had a peak capacity of 120,600 tons. Operations ended in 1929. Between 1929 and 1931, the dock was partially destroyed in a fire, then deconstructed to provide materials for a new ore dock in Marquette, MI.

A small residential neighborhood, known as the Brickyard, was present in the southeastern portion of the task area from sometime between 1892 and 1914 through sometime between 1924 and 1938. The neighborhood was likely associated with the clay brick manufacturing plant historically located in the Winter Street North Task Area.

A detailed map showing the locations of historical features in the task area is included as **Figure 3**.

Today, the task area is undeveloped, with an access road along the southern edge. During a July 2019 visual assessment from public waters, Sigma observed signs of shore erosion. Site observations were limited by a lack of public road access to the task area.

### 4.3 Potential Source Sites

Based on a review of the available information, Sigma did not identify any sites within the task area which are potential sources of contamination within the St. Louis River AOC.

## 5.0 CONCLUSIONS

Sigma has reviewed available aerial photographs, fire insurance maps, historical city directories, City of Superior historical records, historical maps and surveys and available regulatory documents of the Estuary Flats Task Area located in the City of Superior, Douglas County, Wisconsin. Based on a review of the available information, Sigma does not have any recommendations for completing Phase I Environmental Site Assessments (ESAs) within the task area.

While Sigma did not identify any potential source sites within the task area, it should be noted that the task area was a documented disposal site for dock fill materials and dredge materials, which may have contained contaminated sediments.

The conclusions included in this assessment report should not be construed as legal advice. This practice is intended to reflect a commercially prudent and reasonable inquiry as no assessment can wholly eliminate uncertainty regarding the potential for contamination sources in connection with the task area.

Sincerely,



Dale R. Palkowski  
Project Scientist



Mairead Rauch, E.I.T.  
Staff Engineer



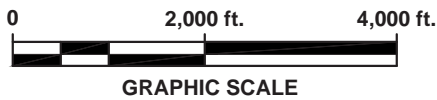
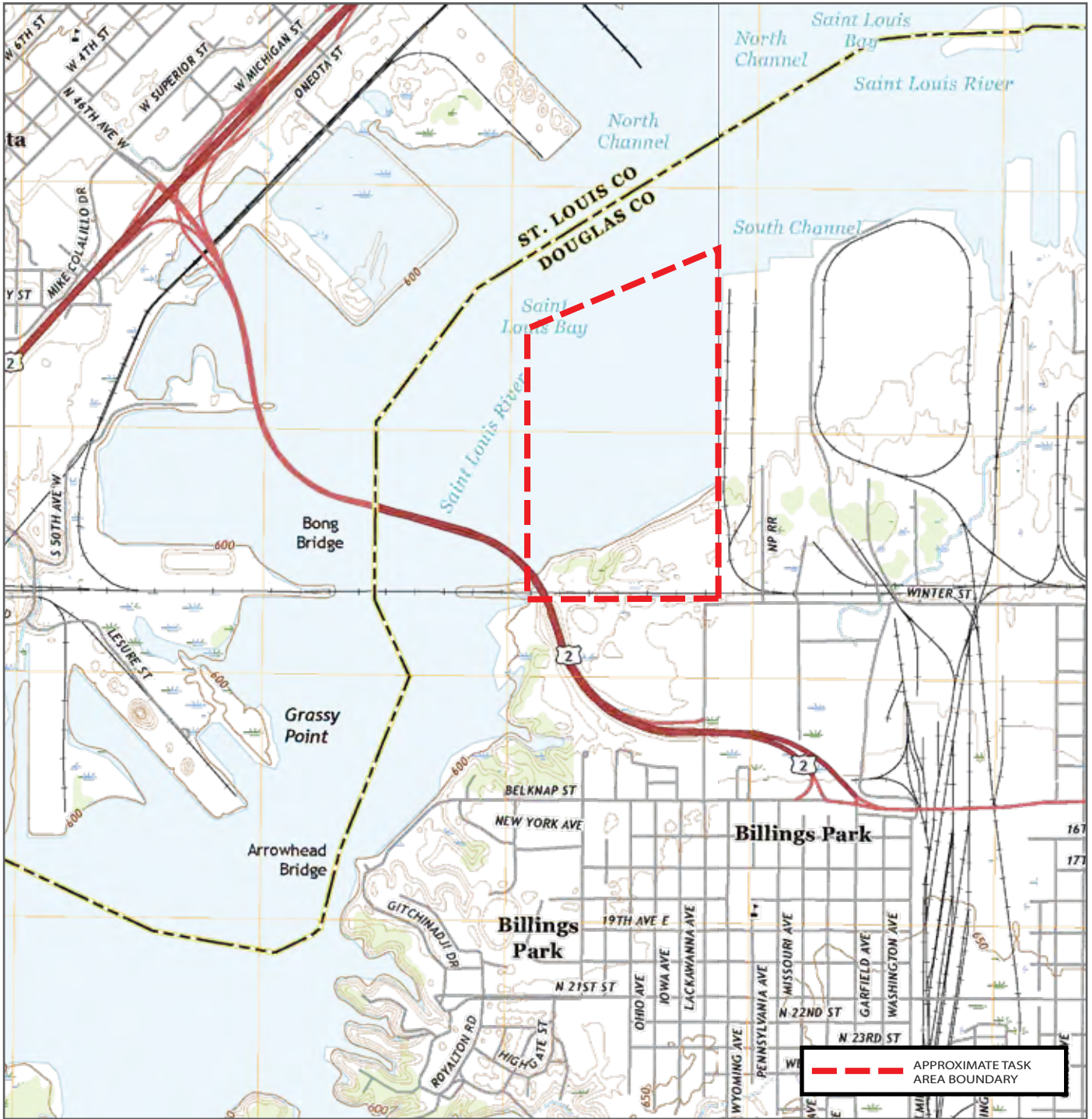
Kristin K. Kurzka, P.E., P.G.  
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Manager, Geosciences Group

## **FIGURES**

- 1 Site Location Map
- 2 Site Plan Map
- 3 Historical Features Map



Located in the S 1/2 of Section 9 & N 1/2 of Section 16, T49N, R14W  
 Superior, WI Quadrangle (2018)  
 West Duluth, MN, WI (2019)  
 7.5 minute, 1 : 24,000 Topographic Map Collection



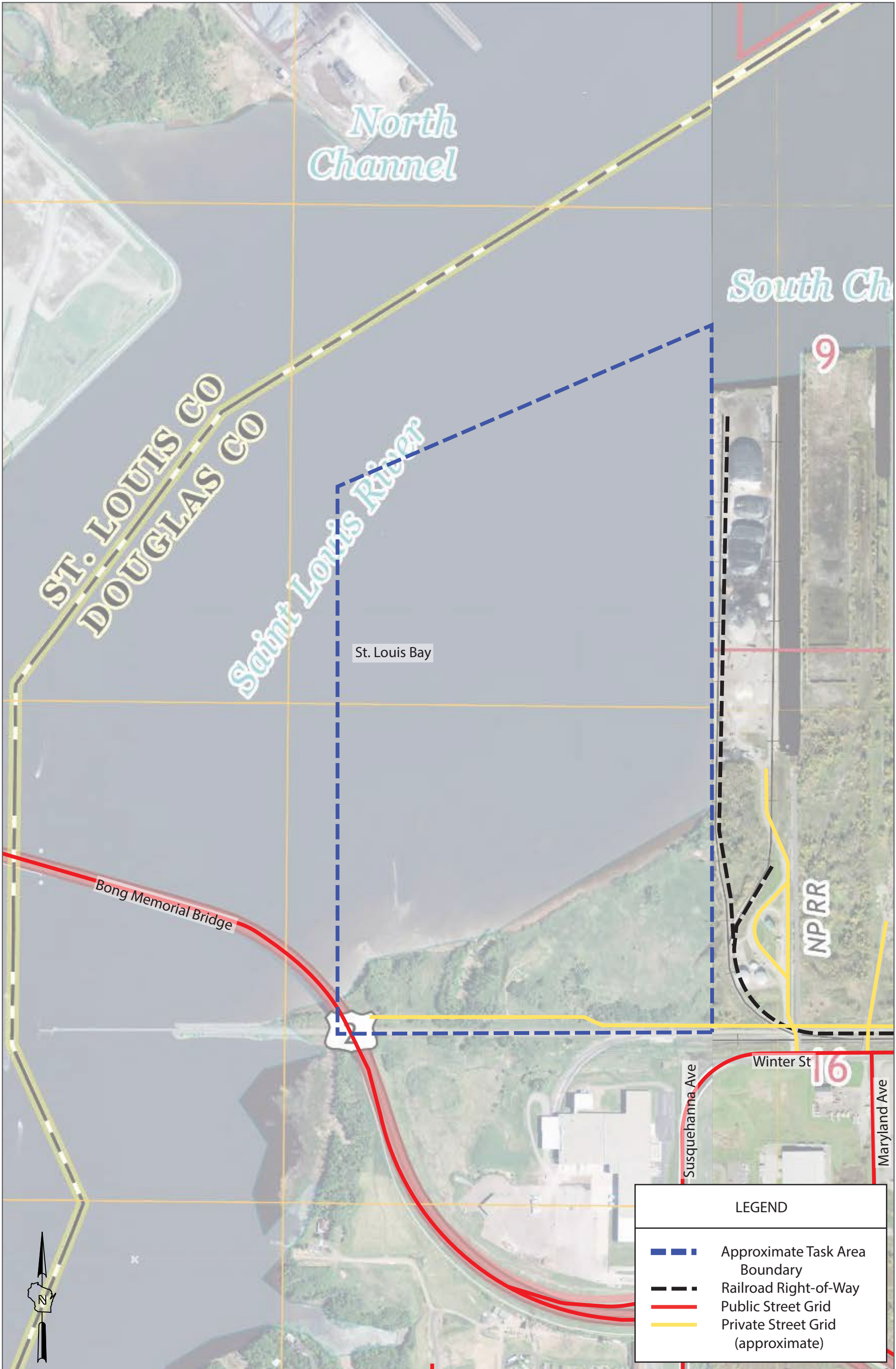
# SITE LOCATION MAP

## ESTUARY FLATS TASK AREA

### SUPERIOR, WISCONSIN

FIGURE  
**1**





| LEGEND |                                   |
|--------|-----------------------------------|
|        | Approximate Task Area Boundary    |
|        | Railroad Right-of-Way             |
|        | Public Street Grid                |
|        | Private Street Grid (approximate) |

Project: 18328  
 Directory: FIGURES  
 Filename: 18328\_Estuary Flats\_Fig\_2\_SPM.pdf  
 Created By: MSR  
 Date: 09/05/2019

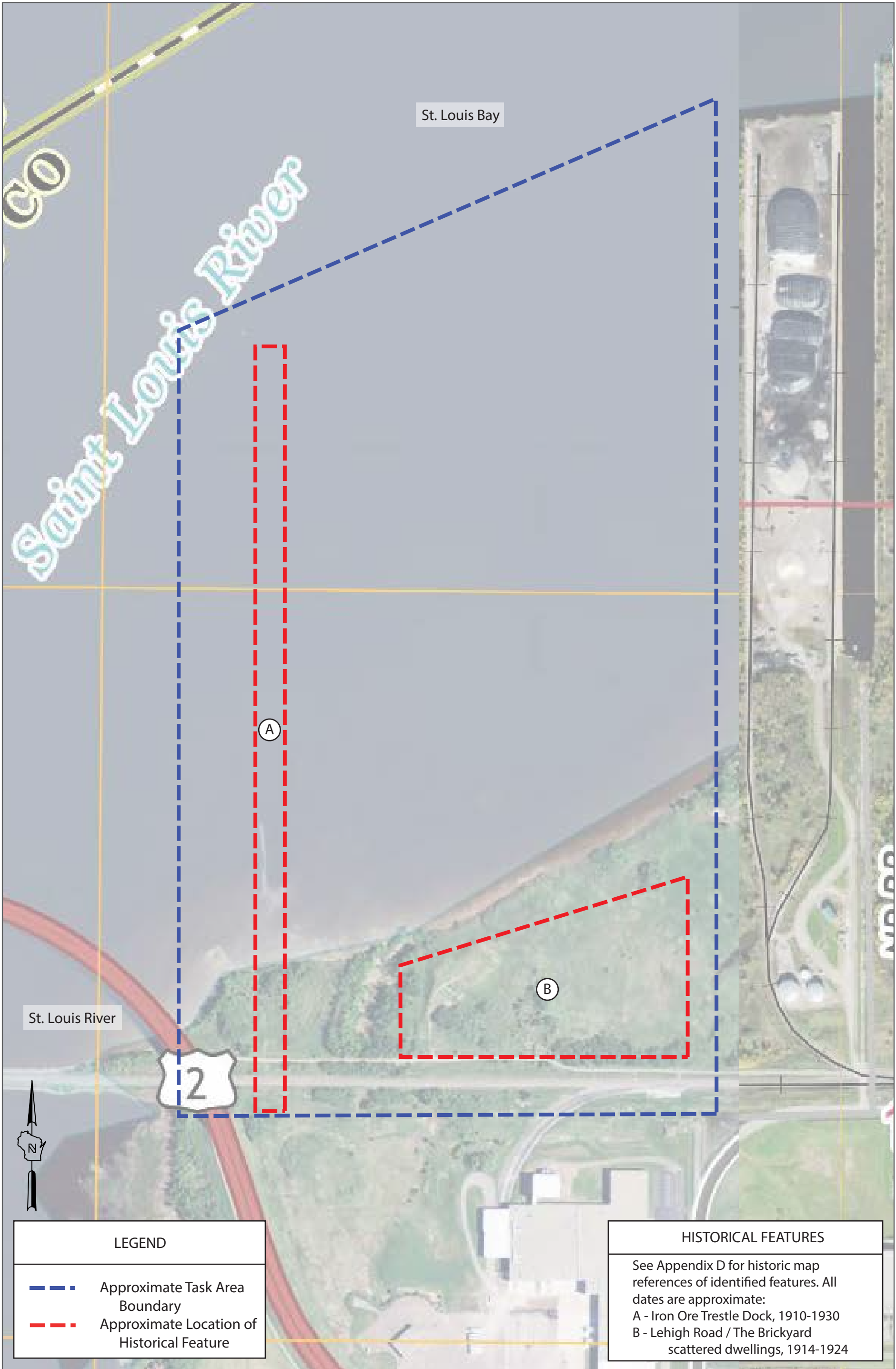
0 600 ft. 1,200 ft.  
 GRAPHIC SCALE  
 N 21st St  
 Image Sources:  
 2018 USGS Aerial Image, Superior, WI Quadrangle  
 2013 USGS Aerial Image, West Duluth, MN Quadrangle



**SITE PLAN MAP**  
**ESTUARY FLATS TASK AREA**

FIGURE  
**2**



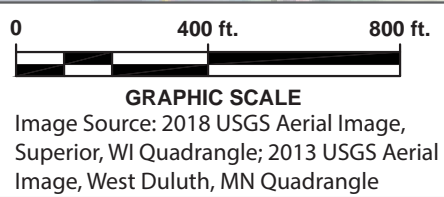


Project: 18328  
 Directory: Figures  
 Filename: 18328\_Estuary\_Flats\_Fig\_3\_HFM.pdf  
 Created By: MSR  
 Date: 06/21/2019



| LEGEND |  |
|--------|--|
|        | Approximate Task Area Boundary             |
|        | Approximate Location of Historical Feature |

| HISTORICAL FEATURES   |
|---|
| See Appendix D for historic map references of identified features. All dates are approximate:<br>A - Iron Ore Trestle Dock, 1910-1930<br>B - Lehigh Road / The Brickyard scattered dwellings, 1914-1924 |

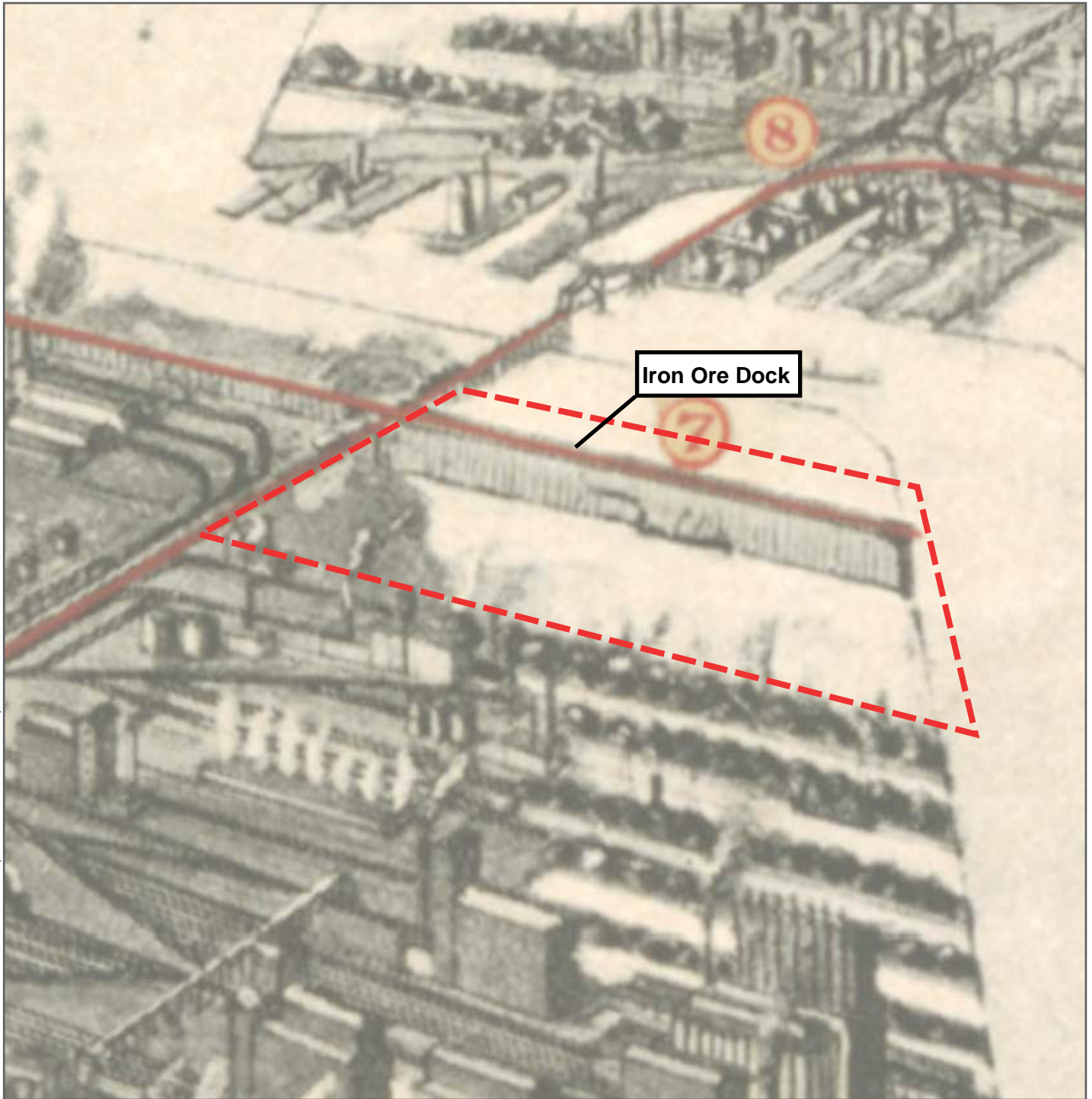


**HISTORIC FEATURES MAP**  
 ESTUARY FLATS TASK AREA

FIGURE  
**3**

## **ATTACHMENTS**

- 1 Site Features, circa 1915
- 2 Dredge Plans, 1933



NOT TO SCALE

LEGEND

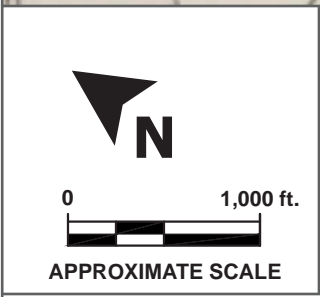
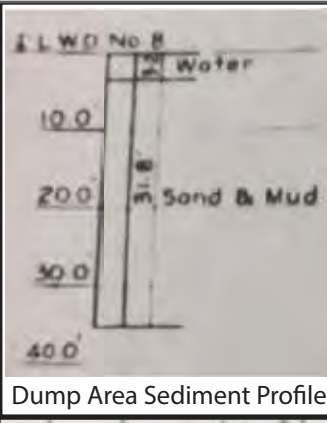
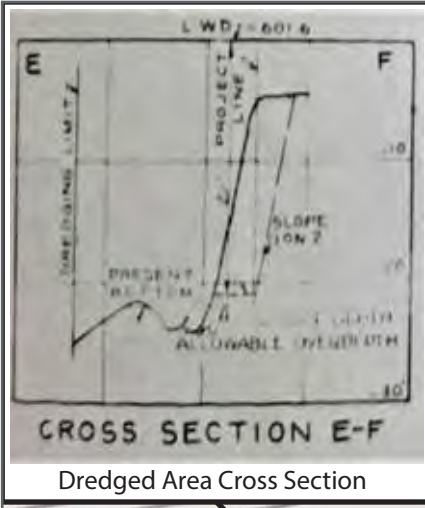


Approximate Task Area Boundary

Detail from "The Twin Ports"  
Prepared by Northern Scenic Publishing Company  
Published in 1910, revised in 1915  
Provided by the Wisconsin Historical Society



Project: 18328  
 Directory: FIGURES  
 Filename: 18328\_Estuary\_Flats\_Att\_2.pdf  
 Created By: MSR  
 Date: 09/05/2019



| LEGEND |                                |
|--------|--------------------------------|
|        | Approximate Task Area Boundary |
|        | Dump Area                      |
|        | Dredge Area                    |

Detail from "Duluth-Superior Harbor, Minnesota & Wisconsin: Proposed Dredging in 21 & 22 Foot Channels and Basins"  
 Prepared by the U.S. Army Corps of Engineers  
 Published in 1933  
 Provided by the Lake Superior Maritime Collection at the Jim Dan Hill Library, UW-Superior



## ESTUARY FLATS TASK AREA DREDGE PLANS 1933

## **APPENDIX A**

Environmental Data Resources, Inc., Radius Map™ Report



**Estuary Flats**

Estuary Flats

Superior, WI 54880

Inquiry Number: 5591154.2s

March 15, 2019

# EDR Summary Radius Map Report



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

# TABLE OF CONTENTS

| <u>SECTION</u>   | <u>PAGE</u> |
|--|-------------|
| Executive Summary .....                                  | ES1         |
| Overview Map .....                                       | 2           |
| Detail Map .....   | 3           |
| Map Findings Summary .....                               | 4           |
| Map Findings .....                                       | 8           |
| Orphan Summary .....                                     | 965         |
| Government Records Searched/Data Currency Tracking ..... | GR-1        |
| <br><b><u>GEOCHECK ADDENDUM</u></b>                      |             |
| Physical Setting Source Addendum .....                   | A-1         |
| Physical Setting Source Summary .....                    | A-2         |
| Physical Setting Source Map .....                        | A-6         |
| Physical Setting Source Map Findings .....               | A-7         |
| Physical Setting Source Records Searched .....           | PSGR-1      |

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

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

ESTUARY FLATS  
SUPERIOR, WI 54880

#### COORDINATES

Latitude (North): 46.7331790 - 46° 43' 59.44"  
Longitude (West): 92.1298420 - 92° 7' 47.43"  
Universal Tranverse Mercator: Zone 15  
UTM X (Meters): 566484.8  
UTM Y (Meters): 5175663.0  
Elevation: 602 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

|                  |                        |
|------------------|------------------------|
| Target Property: | TP                     |
| Source:          | U.S. Geological Survey |
| Target Property: | NE                     |
| Source:          | U.S. Geological Survey |
| Target Property: | SE                     |
| Source:          | U.S. Geological Survey |
| Target Property: | NW                     |
| Source:          | U.S. Geological Survey |

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20150922  
Source: USDA



MAPPED SITES SUMMARY

Target Property Address:  
ESTUARY FLATS  
 SUPERIOR, WI 54880

Click on Map ID to see full detail.

| MAP ID              | SITE NAME            | ADDRESS              | DATABASE ACRONYMS                                    | RELATIVE ELEVATION | DIST (ft. & mi.) DIRECTION |
|---------------------|----------------------|----------------------|--|--------------------|----------------------------|
| <a href="#">A1</a>  | FLEMING CO INC       | 1 GATEWAY COURT      | RCRA-CESQG, FINDS, ECHO                              | Higher             | 212, 0.040, SSE            |
| <a href="#">A2</a>  | FLEMING CO INC       | 1 GATEWAY COURT      | WI SHWIMS  | Higher             | 212, 0.040, SSE            |
| <a href="#">B3</a>  | HALLETT DOCK #8      | 3200 WINTER ST/ST LO | WI ERP   | Higher             | 282, 0.053, ESE            |
| <a href="#">B4</a>  | GEORGIA PACIFIC CORP | N 5TH ST & BAYFRONT  | WI ERP, WI SHWIMS, WI SPILLS, WI BRRTS               | Higher             | 316, 0.060, East           |
| <a href="#">5</a>   | AMOCO OIL CO         | 2940 WINTER ST       | WI SHWIMS, RCRA NonGen / NLR, FINDS, ECHO            | Higher             | 547, 0.104, SE             |
| <a href="#">6</a>   | FORMER AMOCO TERMINA | 2903 WINTER STREET   | WI AST   | Higher             | 651, 0.123, SSE            |
| <a href="#">7</a>   | MURPHY MARINE TERMIN | AJAX RD              | WI ERP, WI LUST, WI AUL, WI SPILLS                   | Higher             | 746, 0.141, NE             |
| <a href="#">C8</a>  | BP BARGE DOCK        | 2905 WINTER ST       | WI AST   | Higher             | 895, 0.170, SE             |
| <a href="#">C9</a>  | AMOCO OIL CO         | 2904 WINTER ST       | WI AST   | Higher             | 895, 0.170, SE             |
| <a href="#">C10</a> | RRS INC              | 2904 WINTER ST       | WI ERP, WI SHWIMS, WI LUST, WI LAST, WI...           | Higher             | 895, 0.170, SE             |
| <a href="#">C11</a> | STANDARD BULK PLANT  | 2904 WINTER ST       | WI AST   | Higher             | 895, 0.170, SE             |
| <a href="#">12</a>  | AMSOIL INC AMSOIL CE | 1101 SUSQUEHANNA AVE | WI SHWIMS, WI LUST, WI CRS, WI AUL, WI SPILLS, WI... | Higher             | 1006, 0.191, South         |
| <a href="#">C13</a> | AMOCO OIL BARGE DOCK | WINTER & MARYLAND    | WI ERP   | Higher             | 1113, 0.211, SE            |
| <a href="#">D14</a> | LAKE CITY TOWING     | 2826 WINTER ST N SIT | RCRA-CESQG, WI SHWIMS, FINDS, ECHO, WI MANIFEST      | Higher             | 1328, 0.252, SE            |
| <a href="#">D15</a> | STOTT BRIQUET CO INC | 2826 WINTER ST       | WI ERP, WI WRRSER                                    | Higher             | 1328, 0.252, SE            |
| <a href="#">D16</a> | SUE VINJE TRUCKING   | 2826 WINTER ST       | RCRA-CESQG, WI SHWIMS, FINDS, ECHO, WI MANIFEST      | Higher             | 1328, 0.252, SE            |
| <a href="#">17</a>  | EXPANDING SOLUTIONS  | 2700 WINTER ST       | RCRA-CESQG, WI ERP, WI SHWIMS, WI LUST, WI...        | Higher             | 1369, 0.259, ESE           |
| <a href="#">18</a>  | BOYER FORD TRUCKS IN | 1202 SUSQUEHANNA AVE | WI SHWIMS  | Higher             | 1385, 0.262, SSE           |
| <a href="#">19</a>  | STOTT BRIQUETT CO -  | MARYLAND AVE & HALVO | WI ERP   | Higher             | 1549, 0.293, SE            |
| <a href="#">20</a>  | K & V TRANSPORT      | 2686 WINTER ST       | RCRA-CESQG, WI SHWIMS                                | Higher             | 1601, 0.303, SE            |
| <a href="#">21</a>  | ALLIANCE STEEL CONST | 3500 N 12TH ST       | WI SHWIMS, WI MANIFEST                               | Higher             | 1969, 0.373, South         |
| <a href="#">22</a>  | UNITED PURIFICATION  | 1001 GARFIELD AVE    | WI ERP, WI SHWIMS, WI SPILLS, RCRA NonGen / NLR,...  | Higher             | 2165, 0.410, ESE           |
| <a href="#">23</a>  | ANDERSON DAVID PROPE | 2 BELKNAP SHORES     | WI LUST  | Higher             | 2170, 0.411, SSW           |
| <a href="#">E24</a> | CORE LANDSCAPING LLC | 1021 GARFIELD AVE    | WI ERP, WI AUL, WI VCP, WI BROWNFIELDS, WI SWRCY,... | Higher             | 2180, 0.413, SE            |
| <a href="#">E25</a> | ALWAYS AVAILABLE ROL | 1021 GARFIELD AVE    | RCRA-CESQG, WI SHWIMS, WI CRS, FINDS, ECHO           | Higher             | 2180, 0.413, SE            |
| <a href="#">26</a>  | MIDWEST ENERGY RESOU | 2400 W WINTER ST     | WI ERP, WI SHWIMS, WI LUST, WI LAST, WI AUL, WI...   | Higher             | 2290, 0.434, ESE           |
| <a href="#">E27</a> | BILLS DIESEL REPAIR  | 1200 GARFIELD AVE    | RCRA-CESQG, WI SHWIMS, FINDS, ECHO, WI MANIFEST      | Higher             | 2336, 0.442, SE            |
| <a href="#">28</a>  | SUPERIOR WOOD SYSTEM | 1301 GARFIELD AVE    | WI ERP, WI CRS, WI AUL, WI VCP, WI BROWNFIELDS       | Higher             | 2429, 0.460, SE            |
| <a href="#">29</a>  | BURLINGTON NORTHERN  | 702 ELMIRA AVE       | WI ERP, WI SPILLS, WI WRRSER                         | Higher             | 2496, 0.473, ESE           |
| <a href="#">30</a>  | INDIANHEAD TRUCK LIN | 1423 MARYLAND AVE    | WI SHWIMS, WI LUST, WI CRS, WI AUL                   | Higher             | 2574, 0.488, SSE           |
| <a href="#">31</a>  | BAY SIDE RECYCLING C | 220 S 39TH AVE W     | MN SHWS, MN BROWNFIELDS, MN SWRCY, MN SPILLS, MN.    | Higher             | 4838, 0.916, NNW           |
| <a href="#">32</a>  | PONDS BEHIND ERIE PI | SEE LOCATION DESCRIP | MN SHWS, MN VIC, MN BROWNFIELDS                      | Lower              | 5202, 0.985, WNW           |

# EXECUTIVE SUMMARY

## TARGET PROPERTY SEARCH RESULTS

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

## SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal RCRA generators list***

RCRA-CESQG: A review of the RCRA-CESQG list, as provided by EDR, and dated 03/01/2018 has revealed that there is 1 RCRA-CESQG site within approximately 0.25 miles of the target property.

| <u>Equal/Higher Elevation</u>                         | <u>Address</u>                | <u>Direction / Distance</u>           | <u>Map ID</u>    | <u>Page</u>     |
|---|-------------------------------|---------------------------------------|------------------|-----------------|
| <b><i>FLEMING CO INC</i></b><br>EPA ID:: WID002813137 | <b><i>1 GATEWAY COURT</i></b> | <b><i>SSE 0 - 1/8 (0.040 mi.)</i></b> | <b><i>A1</i></b> | <b><i>8</i></b> |

### ***State- and tribal - equivalent CERCLIS***

WI ERP: A review of the WI ERP list, as provided by EDR, and dated 11/01/2018 has revealed that there are 13 WI ERP sites within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u>   | <u>Address</u>                        | <u>Direction / Distance</u>            | <u>Map ID</u>    | <u>Page</u>     |
|---|---------------------------------------|--|------------------|-----------------|
| HALLETT DOCK #8<br>Status: CLOSED<br>Site Id: 14953400<br>Facility ID: 816115630                  | 3200 WINTER ST/ST LO                  | ESE 0 - 1/8 (0.053 mi.)                | B3               | 8               |
| <b><i>GEORGIA PACIFIC CORP</i></b><br>Status: CLOSED<br>Site Id: 546500<br>Facility ID: 816009150 | <b><i>N 5TH ST &amp; BAYFRONT</i></b> | <b><i>E 0 - 1/8 (0.060 mi.)</i></b>    | <b><i>B4</i></b> | <b><i>8</i></b> |
| <b><i>MURPHY MARINE TERMIN</i></b><br>Status: CLOSED<br>Site Id: 3492300                          | <b><i>AJAX RD</i></b>                 | <b><i>NE 1/8 - 1/4 (0.141 mi.)</i></b> | <b><i>7</i></b>  | <b><i>9</i></b> |

## EXECUTIVE SUMMARY

|                              |                          |                                  |            |           |
|------------------------------|--------------------------|----------------------------------|------------|-----------|
| Facility ID: 816100120       |                          |                                  |            |           |
| <b>RRS INC</b>               | <b>2904 WINTER ST</b>    | <b>SE 1/8 - 1/4 (0.170 mi.)</b>  | <b>C10</b> | <b>10</b> |
| Status: CLOSED               |                          |                                  |            |           |
| Status: OPEN                 |                          |                                  |            |           |
| Site Id: 530800              |                          |                                  |            |           |
| Facility ID: 816009920       |                          |                                  |            |           |
| AMOCO OIL BARGE DOCK         | WINTER & MARYLAND        | SE 1/8 - 1/4 (0.211 mi.)         | C13        | 13        |
| Status: OPEN                 |                          |                                  |            |           |
| Status: CLOSED               |                          |                                  |            |           |
| Site Id: 8044600             |                          |                                  |            |           |
| Facility ID: NONE            |                          |                                  |            |           |
| <b>STOTT BRIQUET CO INC</b>  | <b>2826 WINTER ST</b>    | <b>SE 1/4 - 1/2 (0.252 mi.)</b>  | <b>D15</b> | <b>13</b> |
| Status: OPEN                 |                          |                                  |            |           |
| Site Id: 4345000             |                          |                                  |            |           |
| Facility ID: 816037860       |                          |                                  |            |           |
| <b>EXPANDING SOLUTIONS</b>   | <b>2700 WINTER ST</b>    | <b>ESE 1/4 - 1/2 (0.259 mi.)</b> | <b>17</b>  | <b>14</b> |
| Status: CONDITIONALLY CLOSED |                          |                                  |            |           |
| Status: CLOSED               |                          |                                  |            |           |
| Site Id: 661500              |                          |                                  |            |           |
| Facility ID: 816064810       |                          |                                  |            |           |
| STOTT BRIQUETT CO -          | MARYLAND AVE & HALVO     | SE 1/4 - 1/2 (0.293 mi.)         | 19         | 15        |
| Status: OPEN                 |                          |                                  |            |           |
| Site Id: 21725900            |                          |                                  |            |           |
| Facility ID: NONE            |                          |                                  |            |           |
| <b>UNITED PURIFICATION</b>   | <b>1001 GARFIELD AVE</b> | <b>ESE 1/4 - 1/2 (0.410 mi.)</b> | <b>22</b>  | <b>16</b> |
| Status: CLOSED               |                          |                                  |            |           |
| Site Id: 1315100             |                          |                                  |            |           |
| Facility ID: 816064260       |                          |                                  |            |           |
| <b>CORE LANDSCAPING LLC</b>  | <b>1021 GARFIELD AVE</b> | <b>SE 1/4 - 1/2 (0.413 mi.)</b>  | <b>E24</b> | <b>17</b> |
| Status: CLOSED               |                          |                                  |            |           |
| Site Id: 4721500             |                          |                                  |            |           |
| Facility ID: 816108260       |                          |                                  |            |           |
| <b>MIDWEST ENERGY RESOU</b>  | <b>2400 W WINTER ST</b>  | <b>ESE 1/4 - 1/2 (0.434 mi.)</b> | <b>26</b>  | <b>18</b> |
| Status: CLOSED               |                          |                                  |            |           |
| Site Id: 788800              |                          |                                  |            |           |
| Facility ID: 816013330       |                          |                                  |            |           |
| <b>SUPERIOR WOOD SYSTEM</b>  | <b>1301 GARFIELD AVE</b> | <b>SE 1/4 - 1/2 (0.460 mi.)</b>  | <b>28</b>  | <b>20</b> |
| Status: CLOSED               |                          |                                  |            |           |
| Site Id: 6892400             |                          |                                  |            |           |
| Facility ID: 816089330       |                          |                                  |            |           |
| <b>BURLINGTON NORTHERN</b>   | <b>702 ELMIRA AVE</b>    | <b>ESE 1/4 - 1/2 (0.473 mi.)</b> | <b>29</b>  | <b>20</b> |
| Status: CLOSED               |                          |                                  |            |           |
| Site Id: 4343700             |                          |                                  |            |           |
| Facility ID: NONE            |                          |                                  |            |           |

## EXECUTIVE SUMMARY

MN SHWS: A review of the MN SHWS list, as provided by EDR, and dated 11/30/2018 has revealed that there are 2 MN SHWS sites within approximately 1 mile of the target property.

| <u>Equal/Higher Elevation</u>                      | <u>Address</u>              | <u>Direction / Distance</u>    | <u>Map ID</u> | <u>Page</u> |
|--|-----------------------------|--------------------------------|---------------|-------------|
| <b>BAY SIDE RECYCLING C</b><br>Facility Id: SR1344 | <b>220 S 39TH AVE W</b>     | <b>NNW 1/2 - 1 (0.916 mi.)</b> | <b>31</b>     | <b>21</b>   |
| <u>Lower Elevation</u>                             | <u>Address</u>              | <u>Direction / Distance</u>    | <u>Map ID</u> | <u>Page</u> |
| <b>PONDS BEHIND ERIE PI</b><br>Facility Id: SR1358 | <b>SEE LOCATION DESCRIP</b> | <b>WNW 1/2 - 1 (0.985 mi.)</b> | <b>32</b>     | <b>22</b>   |

### **State and tribal landfill and/or solid waste disposal site lists**

WI SHWIMS: A review of the WI SHWIMS list, as provided by EDR, and dated 11/21/2018 has revealed that there are 16 WI SHWIMS sites within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u>                                       | <u>Address</u>                 | <u>Direction / Distance</u>      | <u>Map ID</u> | <u>Page</u> |
|---|--------------------------------|----------------------------------|---------------|-------------|
| <b>FLEMING CO INC</b><br>FID: 816065690<br>Status: OPERATING        | <b>1 GATEWAY COURT</b>         | <b>SSE 0 - 1/8 (0.040 mi.)</b>   | <b>A2</b>     | <b>8</b>    |
| <b>GEORGIA PACIFIC CORP</b><br>FID: 816009150<br>Status: CLOSED     | <b>N 5TH ST &amp; BAYFRONT</b> | <b>E 0 - 1/8 (0.060 mi.)</b>     | <b>B4</b>     | <b>8</b>    |
| <b>AMOCO OIL CO</b><br>FID: 816076800<br>Status: OPERATING          | <b>2940 WINTER ST</b>          | <b>SE 0 - 1/8 (0.104 mi.)</b>    | <b>5</b>      | <b>9</b>    |
| <b>RRS INC</b><br>FID: 816009920<br>Status: OPERATING               | <b>2904 WINTER ST</b>          | <b>SE 1/8 - 1/4 (0.170 mi.)</b>  | <b>C10</b>    | <b>10</b>   |
| <b>AMSOIL INC AMSOIL CE</b><br>FID: 816078340<br>Status: OPERATING  | <b>1101 SUSQUEHANNA AVE</b>    | <b>S 1/8 - 1/4 (0.191 mi.)</b>   | <b>12</b>     | <b>12</b>   |
| <b>LAKE CITY TOWING</b><br>FID: 816082410<br>Status: OPERATING      | <b>2826 WINTER ST N SIT</b>    | <b>SE 1/4 - 1/2 (0.252 mi.)</b>  | <b>D14</b>    | <b>13</b>   |
| <b>SUE VINJE TRUCKING</b><br>FID: 816077790<br>Status: OPERATING    | <b>2826 WINTER ST</b>          | <b>SE 1/4 - 1/2 (0.252 mi.)</b>  | <b>D16</b>    | <b>14</b>   |
| <b>EXPANDING SOLUTIONS</b><br>FID: 816064810<br>Status: OPERATING   | <b>2700 WINTER ST</b>          | <b>ESE 1/4 - 1/2 (0.259 mi.)</b> | <b>17</b>     | <b>14</b>   |
| <b>BOYER FORD TRUCKS INC</b><br>FID: 816012010<br>Status: OPERATING | <b>1202 SUSQUEHANNA AVE</b>    | <b>SSE 1/4 - 1/2 (0.262 mi.)</b> | <b>18</b>     | <b>15</b>   |
| <b>K &amp; V TRANSPORT</b><br>FID: 816002110                        | <b>2686 WINTER ST</b>          | <b>SE 1/4 - 1/2 (0.303 mi.)</b>  | <b>20</b>     | <b>16</b>   |

## EXECUTIVE SUMMARY

|                             |                          |                                  |            |           |
|-----------------------------|--------------------------|----------------------------------|------------|-----------|
| Status: OPERATING           |                          |                                  |            |           |
| <b>ALLIANCE STEEL CONST</b> | <b>3500 N 12TH ST</b>    | <b>S 1/4 - 1/2 (0.373 mi.)</b>   | <b>21</b>  | <b>16</b> |
| FID: 816000300              |                          |                                  |            |           |
| Status: OPERATING           |                          |                                  |            |           |
| <b>UNITED PURIFICATION</b>  | <b>1001 GARFIELD AVE</b> | <b>ESE 1/4 - 1/2 (0.410 mi.)</b> | <b>22</b>  | <b>16</b> |
| FID: 816064260              |                          |                                  |            |           |
| Status: OPERATING           |                          |                                  |            |           |
| <b>ALWAYS AVAILABLE ROL</b> | <b>1021 GARFIELD AVE</b> | <b>SE 1/4 - 1/2 (0.413 mi.)</b>  | <b>E25</b> | <b>18</b> |
| FID: 816108260              |                          |                                  |            |           |
| Status: OPERATING           |                          |                                  |            |           |
| <b>MIDWEST ENERGY RESOU</b> | <b>2400 W WINTER ST</b>  | <b>ESE 1/4 - 1/2 (0.434 mi.)</b> | <b>26</b>  | <b>18</b> |
| FID: 816013330              |                          |                                  |            |           |
| Status: OPERATING           |                          |                                  |            |           |
| <b>BILLS DIESEL REPAIR</b>  | <b>1200 GARFIELD AVE</b> | <b>SE 1/4 - 1/2 (0.442 mi.)</b>  | <b>E27</b> | <b>19</b> |
| FID: 816078450              |                          |                                  |            |           |
| Status: OPERATING           |                          |                                  |            |           |
| <b>INDIANHEAD TRUCK LIN</b> | <b>1423 MARYLAND AVE</b> | <b>SSE 1/4 - 1/2 (0.488 mi.)</b> | <b>30</b>  | <b>21</b> |
| FID: 816054800              |                          |                                  |            |           |
| Status: OPERATING           |                          |                                  |            |           |

### **State and tribal leaking storage tank lists**

WI LUST: A review of the WI LUST list, as provided by EDR, and dated 11/01/2018 has revealed that there are 7 WI LUST sites within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u>              | <u>Direction / Distance</u>      | <u>Map ID</u> | <u>Page</u> |
|-------------------------------|-----------------------------|----------------------------------|---------------|-------------|
| <b>MURPHY MARINE TERMIN</b>   | <b>AJAX RD</b>              | <b>NE 1/8 - 1/4 (0.141 mi.)</b>  | <b>7</b>      | <b>9</b>    |
| Facility Status: OPEN         |                             |                                  |               |             |
| Site Id: 3492300              |                             |                                  |               |             |
| Facility ID: 816100120        |                             |                                  |               |             |
| <b>RRS INC</b>                | <b>2904 WINTER ST</b>       | <b>SE 1/8 - 1/4 (0.170 mi.)</b>  | <b>C10</b>    | <b>10</b>   |
| Facility Status: CLOSED       |                             |                                  |               |             |
| Site Id: 530800               |                             |                                  |               |             |
| Facility ID: 816009920        |                             |                                  |               |             |
| <b>AMSOIL INC AMSOIL CE</b>   | <b>1101 SUSQUEHANNA AVE</b> | <b>S 1/8 - 1/4 (0.191 mi.)</b>   | <b>12</b>     | <b>12</b>   |
| Facility Status: CLOSED       |                             |                                  |               |             |
| Site Id: 5181300              |                             |                                  |               |             |
| Facility ID: 816078340        |                             |                                  |               |             |
| <b>EXPANDING SOLUTIONS</b>    | <b>2700 WINTER ST</b>       | <b>ESE 1/4 - 1/2 (0.259 mi.)</b> | <b>17</b>     | <b>14</b>   |
| Facility Status: OPEN         |                             |                                  |               |             |
| Facility Status: CLOSED       |                             |                                  |               |             |
| Site Id: 661500               |                             |                                  |               |             |
| Facility ID: 816064810        |                             |                                  |               |             |
| <b>ANDERSON DAVID PROPE</b>   | <b>2 BELKNAP SHORES</b>     | <b>SSW 1/4 - 1/2 (0.411 mi.)</b> | <b>23</b>     | <b>17</b>   |
| Facility Status: CLOSED       |                             |                                  |               |             |
| Site Id: 3289700              |                             |                                  |               |             |
| Facility ID: 816094070        |                             |                                  |               |             |
| <b>MIDWEST ENERGY RESOU</b>   | <b>2400 W WINTER ST</b>     | <b>ESE 1/4 - 1/2 (0.434 mi.)</b> | <b>26</b>     | <b>18</b>   |

## EXECUTIVE SUMMARY

Facility Status: CLOSED  
 Site Id: 788800  
 Facility ID: 816013330

|  |                          |                                  |           |           |
|--|--------------------------|----------------------------------|-----------|-----------|
| <b>INDIANHEAD TRUCK LIN</b>  | <b>1423 MARYLAND AVE</b> | <b>SSE 1/4 - 1/2 (0.488 mi.)</b> | <b>30</b> | <b>21</b> |
| Facility Status: CLOSED<br>Site Id: 956900<br>Facility ID: 816054800 |                          |                                  |           |           |

WI LAST: A review of the WI LAST list, as provided by EDR, and dated 11/01/2018 has revealed that there are 2 WI LAST sites within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u>  | <u>Address</u>          | <u>Direction / Distance</u>      | <u>Map ID</u> | <u>Page</u> |
|--|-------------------------|----------------------------------|---------------|-------------|
| <b>RRS INC</b><br>Status: OPEN<br>Site ID: 530800<br>Facility ID: 816009920                | <b>2904 WINTER ST</b>   | <b>SE 1/8 - 1/4 (0.170 mi.)</b>  | <b>C10</b>    | <b>10</b>   |
| <b>MIDWEST ENERGY RESOU</b><br>Status: CLOSED<br>Site ID: 788800<br>Facility ID: 816013330 | <b>2400 W WINTER ST</b> | <b>ESE 1/4 - 1/2 (0.434 mi.)</b> | <b>26</b>     | <b>18</b>   |

### **State and tribal registered storage tank lists**

WI AST: A review of the WI AST list, as provided by EDR, and dated 12/10/2018 has revealed that there are 4 WI AST sites within approximately 0.25 miles of the target property.

| <u>Equal/Higher Elevation</u>              | <u>Address</u>     | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|--|--------------------|-----------------------------|---------------|-------------|
| FORMER AMOCO TERMINA<br>Fire Dept ID: 1601 | 2903 WINTER STREET | SSE 0 - 1/8 (0.123 mi.)     | 6             | 9           |
| BP BARGE DOCK<br>Fire Dept ID: 1601        | 2905 WINTER ST     | SE 1/8 - 1/4 (0.170 mi.)    | C8            | 10          |
| AMOCO OIL CO<br>Fire Dept ID: 1601         | 2904 WINTER ST     | SE 1/8 - 1/4 (0.170 mi.)    | C9            | 10          |
| STANDARD BULK PLANT<br>Fire Dept ID: 1601  | 2904 WINTER ST     | SE 1/8 - 1/4 (0.170 mi.)    | C11           | 12          |

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

WI AUL: A review of the WI AUL list, as provided by EDR, and dated 11/01/2018 has revealed that there are 6 WI AUL sites within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u>     | <u>Map ID</u> | <u>Page</u> |
|-------------------------------|----------------|---------------------------------|---------------|-------------|
| <b>MURPHY MARINE TERMIN</b>   | <b>AJAX RD</b> | <b>NE 1/8 - 1/4 (0.141 mi.)</b> | <b>7</b>      | <b>9</b>    |







## EXECUTIVE SUMMARY

WI MANIFEST: A review of the WI MANIFEST list, as provided by EDR, and dated 12/31/2017 has revealed that there is 1 WI MANIFEST site within approximately 0.25 miles of the target property.

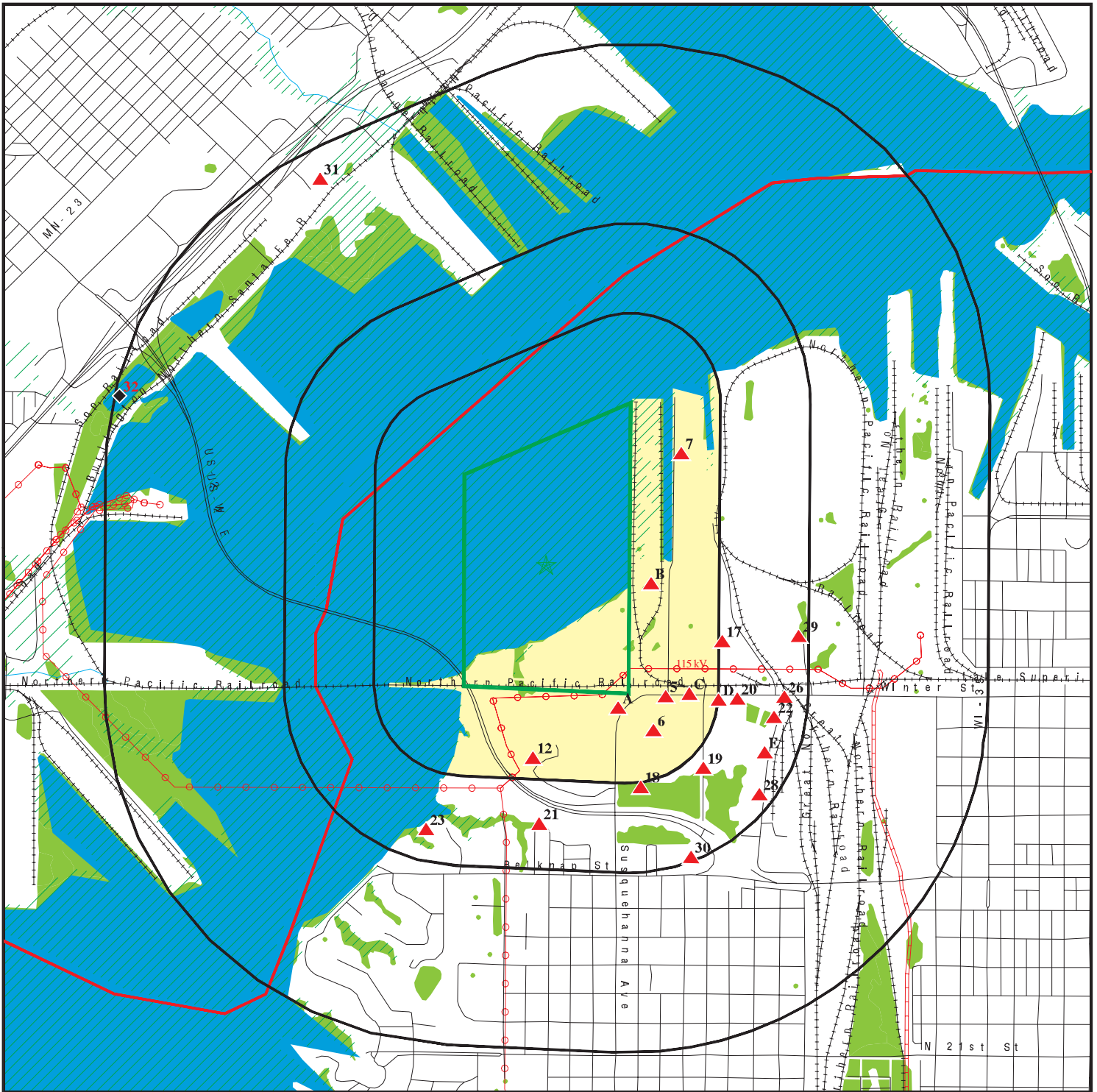
| <u>Equal/Higher Elevation</u>  | <u>Address</u>              | <u>Direction / Distance</u>    | <u>Map ID</u> | <u>Page</u> |
|--|-----------------------------|--------------------------------|---------------|-------------|
| <b>AMSOIL INC AMSOIL CE</b><br>ACT Status: A<br>FID: 816078340<br>EPA ID: WIR000129973 | <b>1101 SUSQUEHANNA AVE</b> | <b>S 1/8 - 1/4 (0.191 mi.)</b> | <b>12</b>     | <b>12</b>   |














Count: 4 records.

ORPHAN SUMMARY

| City     | EDR ID     | Site Name                          | Site Address                  | Zip   | Database(s)                            |
|----------|------------|------------------------------------|-------------------------------|-------|--|
| SUPERIOR | S118709142 | CARLSON TV & ELECTRONICS           | 1519 - 1521 BELKNAP ST        |       | WI LUST                                |
| SUPERIOR | S110122679 | CHARTER FILMS                      | 1901 - 1913 WINTER ST         |       | WI ERP, WI AUL, WI VCP, WI BROWNFIELDS |
| SUPERIOR | S113870818 | SUPERIOR CTY ROW - BELKNAP & CLOUG | INTERSECTION BELKNAP & CLOUGH | 54880 | WI LUST                                |
| SUPERIOR | S104975437 | ARCO COFFEE                        | 2206 B WINTER ST              |       | WI ERP, WI VCP, WI BROWNFIELDS         |

# OVERVIEW MAP - 5591154.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  County Boundary
-  Power transmission lines
-  Pipelines
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory



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

SITE NAME: Estuary Flats  
 ADDRESS: Estuary Flats  
 Superior WI 54880  
 LAT/LONG: 46.733179 / 92.129842







CLIENT: Sigma Env. Services, Inc.  
 CONTACT: Dale Palkowski  
 INQUIRY #: 5591154.2s  
 DATE: March 15, 2019 11:56 am



# DETAIL MAP - 5591154.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  County Boundary
-  Power transmission lines
-  100-year flood zone
-  500-year flood zone
-  National Wetland Inventory

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

SITE NAME: Estuary Flats  
 ADDRESS: Estuary Flats  
 Superior WI 54880  
 LAT/LONG: 46.733179 / 92.129842

CLIENT: Sigma Env. Services, Inc.  
 CONTACT: Dale Palkowski  
 INQUIRY #: 5591154.2s  
 DATE: March 15, 2019 11:58 am

## MAP FINDINGS SUMMARY

| Database   | Search<br>Distance<br>(Miles) | Target<br>Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total<br>Plotted |
|--|-------------------------------|--------------------|-------|-----------|-----------|---------|-----|------------------|
| <b>STANDARD ENVIRONMENTAL RECORDS</b>  |                               |                    |       |           |           |         |     |                  |
| <b><i>Federal NPL site list</i></b>  |                               |                    |       |           |           |         |     |                  |
| NPL  | 1.000                         |                    | 0     | 0         | 0         | 0       | NR  | 0                |
| Proposed NPL   | 1.000                         |                    | 0     | 0         | 0         | 0       | NR  | 0                |
| NPL LIENS  | 0.001                         |                    | 0     | NR        | NR        | NR      | NR  | 0                |
| <b><i>Federal Delisted NPL site list</i></b>                                       |                               |                    |       |           |           |         |     |                  |
| Delisted NPL   | 1.000                         |                    | 0     | 0         | 0         | 0       | NR  | 0                |
| <b><i>Federal CERCLIS list</i></b>   |                               |                    |       |           |           |         |     |                  |
| FEDERAL FACILITY   | 0.500                         |                    | 0     | 0         | 0         | NR      | NR  | 0                |
| SEMS   | 0.500                         |                    | 0     | 0         | 0         | NR      | NR  | 0                |
| <b><i>Federal CERCLIS NFRAP site list</i></b>                                      |                               |                    |       |           |           |         |     |                  |
| SEMS-ARCHIVE   | 0.500                         |                    | 0     | 0         | 0         | NR      | NR  | 0                |
| <b><i>Federal RCRA CORRACTS facilities list</i></b>                                |                               |                    |       |           |           |         |     |                  |
| CORRACTS   | 1.000                         |                    | 0     | 0         | 0         | 0       | NR  | 0                |
| <b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>                        |                               |                    |       |           |           |         |     |                  |
| RCRA-TSDF  | 0.500                         |                    | 0     | 0         | 0         | NR      | NR  | 0                |
| <b><i>Federal RCRA generators list</i></b>   |                               |                    |       |           |           |         |     |                  |
| RCRA-LQG   | 0.250                         |                    | 0     | 0         | NR        | NR      | NR  | 0                |
| RCRA-SQG   | 0.250                         |                    | 0     | 0         | NR        | NR      | NR  | 0                |
| RCRA-CESQG   | 0.250                         |                    | 1     | 0         | NR        | NR      | NR  | 1                |
| <b><i>Federal institutional controls /<br/>engineering controls registries</i></b> |                               |                    |       |           |           |         |     |                  |
| LUCIS  | 0.500                         |                    | 0     | 0         | 0         | NR      | NR  | 0                |
| US ENG CONTROLS  | 0.500                         |                    | 0     | 0         | 0         | NR      | NR  | 0                |
| US INST CONTROL  | 0.500                         |                    | 0     | 0         | 0         | NR      | NR  | 0                |
| <b><i>Federal ERNS list</i></b>  |                               |                    |       |           |           |         |     |                  |
| ERNS   | 0.001                         |                    | 0     | NR        | NR        | NR      | NR  | 0                |
| <b><i>State- and tribal - equivalent CERCLIS</i></b>                               |                               |                    |       |           |           |         |     |                  |
| WI SHWS  | 1.000                         |                    | 0     | 0         | 0         | 0       | NR  | 0                |
| WI ERP   | 0.500                         |                    | 2     | 3         | 8         | NR      | NR  | 13               |
| MN SHWS  | 1.000                         |                    | 0     | 0         | 0         | 2       | NR  | 2                |
| <b><i>State and tribal landfill and/or<br/>solid waste disposal site lists</i></b> |                               |                    |       |           |           |         |     |                  |
| WI SWF/LF  | 0.500                         |                    | 0     | 0         | 0         | NR      | NR  | 0                |
| MN SWF/LF  | 0.500                         |                    | 0     | 0         | 0         | NR      | NR  | 0                |
| WI WDS   | 0.500                         |                    | 0     | 0         | 0         | NR      | NR  | 0                |
| WI SHWIMS  | 0.500                         |                    | 3     | 2         | 11        | NR      | NR  | 16               |
| <b><i>State and tribal leaking storage tank lists</i></b>                          |                               |                    |       |           |           |         |     |                  |
| WI LUST  | 0.500                         |                    | 0     | 3         | 4         | NR      | NR  | 7                |

## MAP FINDINGS SUMMARY

| Database   | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|--|-------------------------|-----------------|-------|-----------|-----------|---------|-----|---------------|
| WI LAST  | 0.500                   |                 | 0     | 1         | 1         | NR      | NR  | 2             |
| MN LUST  | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| MN LAST  | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| INDIAN LUST  | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| <b>State and tribal registered storage tank lists</b>                          |                         |                 |       |           |           |         |     |               |
| FEMA UST   | 0.250                   |                 | 0     | 0         | NR        | NR      | NR  | 0             |
| WI UST   | 0.250                   |                 | 0     | 0         | NR        | NR      | NR  | 0             |
| MN UST   | 0.250                   |                 | 0     | 0         | NR        | NR      | NR  | 0             |
| WI AST   | 0.250                   |                 | 1     | 3         | NR        | NR      | NR  | 4             |
| MN AST   | 0.250                   |                 | 0     | 0         | NR        | NR      | NR  | 0             |
| INDIAN UST   | 0.250                   |                 | 0     | 0         | NR        | NR      | NR  | 0             |
| <b>State and tribal institutional control / engineering control registries</b> |                         |                 |       |           |           |         |     |               |
| WI CRS   | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| WI AUL   | 0.500                   |                 | 0     | 2         | 4         | NR      | NR  | 6             |
| <b>State and tribal voluntary cleanup sites</b>                                |                         |                 |       |           |           |         |     |               |
| WI VCP   | 0.500                   |                 | 0     | 0         | 2         | NR      | NR  | 2             |
| MN VIC   | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| INDIAN VCP   | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| <b>State and tribal Brownfields sites</b>                                      |                         |                 |       |           |           |         |     |               |
| WI BEAP  | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| MN BROWNFIELDS   | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| WI BROWNFIELDS   | 0.500                   |                 | 0     | 1         | 3         | NR      | NR  | 4             |
| <b>ADDITIONAL ENVIRONMENTAL RECORDS</b>  |                         |                 |       |           |           |         |     |               |
| <b>Local Brownfield lists</b>  |                         |                 |       |           |           |         |     |               |
| US BROWNFIELDS   | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| <b>Local Lists of Landfill / Solid Waste Disposal Sites</b>                    |                         |                 |       |           |           |         |     |               |
| WI SWRCY   | 0.500                   |                 | 0     | 0         | 1         | NR      | NR  | 1             |
| MN SWRCY   | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| INDIAN ODI   | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| ODI  | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| DEBRIS REGION 9  | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| IHS OPEN DUMPS   | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| <b>Local Lists of Hazardous waste / Contaminated Sites</b>                     |                         |                 |       |           |           |         |     |               |
| US HIST CDL  | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| WI CDL   | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| MN CDL   | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| US CDL   | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| <b>Local Land Records</b>  |                         |                 |       |           |           |         |     |               |
| WI LIENS   | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |

## MAP FINDINGS SUMMARY

| Database                                    | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|-------------------------|-----------------|-------|-----------|-----------|---------|-----|---------------|
| MN LIENS                                    | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| LIENS 2                                     | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| <b>Records of Emergency Release Reports</b> |                         |                 |       |           |           |         |     |               |
| HMIRS                                       | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| WI SPILLS                                   | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| MN SPILLS                                   | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| WI AGSPILLS                                 | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| MN AGSPILLS                                 | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| WI SPILLS 90                                | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| MN SPILLS 90                                | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| WI SPILLS 80                                | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| MN SPILLS 80                                | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| <b>Other Ascertainable Records</b>          |                         |                 |       |           |           |         |     |               |
| RCRA NonGen / NLR                           | 0.250                   |                 | 1     | 1         | NR        | NR      | NR  | 2             |
| FUDS  | 1.000                   |                 | 0     | 0         | 0         | 0       | NR  | 0             |
| DOD   | 1.000                   |                 | 0     | 0         | 0         | 0       | NR  | 0             |
| SCRD DRYCLEANERS                            | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| US FIN ASSUR                                | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| EPA WATCH LIST                              | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| 2020 COR ACTION                             | 0.250                   |                 | 0     | 0         | NR        | NR      | NR  | 0             |
| TSCA  | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| TRIS  | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| SSTS  | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| ROD   | 1.000                   |                 | 0     | 0         | 0         | 0       | NR  | 0             |
| RMP   | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| RAATS                                       | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| PRP   | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| PADS  | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| ICIS  | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| FTTS  | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| MLTS  | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| COAL ASH DOE                                | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| COAL ASH EPA                                | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| PCB TRANSFORMER                             | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| RADINFO                                     | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| HIST FTTS                                   | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| DOT OPS                                     | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| CONSENT                                     | 1.000                   |                 | 0     | 0         | 0         | 0       | NR  | 0             |
| INDIAN RESERV                               | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| FUSRAP                                      | 1.000                   |                 | 0     | 0         | 0         | 0       | NR  | 0             |
| UMTRA                                       | 0.500                   |                 | 0     | 0         | 0         | NR      | NR  | 0             |
| LEAD SMELTERS                               | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| US AIRS                                     | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| US MINES                                    | 0.250                   |                 | 0     | 0         | NR        | NR      | NR  | 0             |
| ABANDONED MINES                             | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| FINDS                                       | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| ECHO  | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| DOCKET HWC                                  | 0.001                   |                 | 0     | NR        | NR        | NR      | NR  | 0             |
| UXO   | 1.000                   |                 | 0     | 0         | 0         | 0       | NR  | 0             |





MAP FINDINGS

|           |      |             |               |
|-----------|------|-------------|---------------|
| Map ID    |      |             | EDR ID Number |
| Direction |      |             | EPA ID Number |
| Distance  |      |             |               |
| Elevation | Site | Database(s) |               |

|  |  |  |  |
|--|--|--|--|
| <b>A1</b><br><b>SSE</b><br>< 1/8<br>0.040 mi.<br>212 ft. | <b>FLEMING CO INC</b><br><b>1 GATEWAY COURT</b><br><b>SUPERIOR, WI 54880</b> | <b>RCRA-CESQG</b><br><b>FINDS</b><br><b>ECHO</b> | <b>1004795844</b><br><b>WID002813137</b> |
|--|--|--|--|

[Click here for full text details](#)

Relative:  
Higher

**RCRA-CESQG**  
EPA Id: WID002813137

**FINDS**  
Registry ID: 110005422523

**ECHO**  
Registry ID: 110005422523

|  |  |                  |                                 |
|--|--|------------------|---------------------------------|
| <b>A2</b><br><b>SSE</b><br>< 1/8<br>0.040 mi.<br>212 ft. | <b>FLEMING CO INC</b><br><b>1 GATEWAY COURT</b><br><b>SUPERIOR, WI 54880</b> | <b>WI SHWIMS</b> | <b>S101388101</b><br><b>N/A</b> |
|--|--|------------------|---------------------------------|

[Click here for full text details](#)

Relative:  
Higher

**WI SHWIMS**  
FID: 816065690  
Status: OPERATING

|  |   |               |                                 |
|--|---|---------------|---------------------------------|
| <b>B3</b><br><b>ESE</b><br>< 1/8<br>0.053 mi.<br>282 ft. | <b>HALLETT DOCK #8</b><br><b>3200 WINTER ST/ST LOUIS BAY</b><br><b>SUPERIOR, WI</b> | <b>WI ERP</b> | <b>S107603828</b><br><b>N/A</b> |
|--|---|---------------|---------------------------------|

[Click here for full text details](#)

Relative:  
Higher

**WI ERP**  
Status: CLOSED  
Site Id: 14953400  
Facility ID: 816115630

|   |  |  |                                 |
|---|--|--|---------------------------------|
| <b>B4</b><br><b>East</b><br>< 1/8<br>0.060 mi.<br>316 ft. | <b>GEORGIA PACIFIC CORP</b><br><b>N 5TH ST &amp; BAYFRONT</b><br><b>SUPERIOR, WI 54880</b> | <b>WI ERP</b><br><b>WI SHWIMS</b><br><b>WI SPILLS</b><br><b>WI BRRTS</b> | <b>S107427027</b><br><b>N/A</b> |
|---|--|--|---------------------------------|

[Click here for full text details](#)

Relative:  
Higher

**WI ERP**  
Status: CLOSED  
Site Id: 546500  
Facility ID: 816009150

**WI SHWIMS**  
FID: 816009150  
Status: CLOSED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GEORGIA PACIFIC CORP (Continued)**

**S107427027**

**WI SPILLS**

Site Id: 546500  
Status: CLOSED

**WI BRRTS**

Site Id: 546500  
Status: NAR

[Click here for WDNR BRRTS Link](#)

5  
SE  
< 1/8  
0.104 mi.  
547 ft.

**AMOCO OIL CO**  
**2940 WINTER ST**  
**SUPERIOR, WI 54880**

[Click here for full text details](#)

Relative:  
Higher

**WI SHWIMS**

FID: 816076800  
Status: OPERATING

**RCRA NonGen / NLR**

EPA Id: WID988626982

**FINDS**

Registry ID:: 110005495071

**ECHO**

Registry ID: 110005495071

**WI SHWIMS** 1000839377  
**RCRA NonGen / NLR** WID988626982  
**FINDS**  
**ECHO**

6  
SSE  
< 1/8  
0.123 mi.  
651 ft.

**FORMER AMOCO TERMINAL**  
**2903 WINTER STREET**  
**SUPERIOR, WI 54880**

[Click here for full text details](#)

Relative:  
Higher

**WI AST**

Fire Dept ID: 1601

**WI AST** A100361616  
N/A

7  
NE  
1/8-1/4  
0.141 mi.  
746 ft.

**MURPHY MARINE TERMINAL**  
**AJAX RD**  
**SUPERIOR, WI**

[Click here for full text details](#)

Relative:  
Higher

**WI ERP**

Status: CLOSED

**WI ERP** S104943302  
**WI LUST** N/A  
**WI AUL**  
**WI SPILLS**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MURPHY MARINE TERMINAL (Continued)**

**S104943302**

Site Id: 3492300  
Facility ID: 816100120

**WI LUST**

Facility Status: OPEN  
Site Id: 3492300  
Facility ID: 816100120

**WI AUL**

Status: CLOSED  
Site Id: 3492300  
Facid: 816100120

**WI SPILLS**

Site Id: 3492300  
Status: CLOSED

C8  
SE  
1/8-1/4  
0.170 mi.  
895 ft.

**BP BARGE DOCK**  
**2905 WINTER ST**  
**SUPERIOR, WI 54880**

**WI AST A100204827**  
**N/A**

Relative:  
Higher

[Click here for full text details](#)

**WI AST**  
Fire Dept ID: 1601

C9  
SE  
1/8-1/4  
0.170 mi.  
895 ft.

**AMOCO OIL CO**  
**2904 WINTER ST**  
**SUPERIOR, WI 54880**

**WI AST A100460839**  
**N/A**

Relative:  
Higher

[Click here for full text details](#)

**WI AST**  
Fire Dept ID: 1601

C10  
SE  
1/8-1/4  
0.170 mi.  
895 ft.

**RRS INC**  
**2904 WINTER ST**  
**SUPERIOR, WI 54880**

**WI ERP 1000177795**  
**WI SHWIMS WID000713586**  
**WI LUST**  
**WI LAST**  
**WI BROWNFIELDS**  
**WI SPILLS**  
**RCRA NonGen / NLR**  
**FINDS**  
**ECHO**  
**WI BRRTS**

Relative:  
Higher

[Click here for full text details](#)

**WI ERP**  
Status: CLOSED  
Status: OPEN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RRS INC (Continued)**

1000177795

Site Id: 530800  
Facility ID: 816009920

**WI SHWIMS**

FID: 816009920  
Status: OPERATING

**WI LUST**

Facility Status: CLOSED  
Site Id: 530800  
Facility ID: 816009920

**WI LAST**

Status: OPEN  
Site ID: 530800  
Facility ID: 816009920

**WI BROWNFIELDS**

Status: GEN PROP  
Facility ID: 816009920  
Site Id: 530800

**WI SPILLS**

Site Id: 530800  
Status: CLOSED

**RCRA NonGen / NLR**

EPA Id: WID000713586

**FINDS**

Registry ID:: 110000876017

**ECHO**

Registry ID: 110000876017

**WI BRRTS**

Site Id: 530800  
Status: GEN PROP

[Click here for WDNR BRRTS Link](#)

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**C11**  
**SE**  
**1/8-1/4**  
**0.170 mi.**  
**895 ft.**

**STANDARD BULK PLANT**  
**2904 WINTER ST**  
**SUPERIOR, WI 54880**

**WI AST**    **A100460840**  
**N/A**

[Click here for full text details](#)

Relative:  
Higher

**WI AST**  
Fire Dept ID: 1601

**12**  
**South**  
**1/8-1/4**  
**0.191 mi.**  
**1006 ft.**

**AMSOIL INC AMSOIL CENTER**  
**1101 SUSQUEHANNA AVE**  
**SUPERIOR, WI 54880**

**WI SHWIMS**    **S107603339**  
**WI LUST**        **N/A**  
**WI CRS**  
**WI AUL**  
**WI SPILLS**  
**WI MANIFEST**  
**WI NPDES**  
**WI TIER 2**

[Click here for full text details](#)

Relative:  
Higher

**WI SHWIMS**  
FID: 816078340  
Status: OPERATING

**WI LUST**  
Facility Status: CLOSED  
Site Id: 5181300  
Facility ID: 816078340

**WI CRS**  
Site ID: 5181300  
Facility ID: 816078340

**WI AUL**  
Status: CLOSED  
Site Id: 5181300  
Facid: 816078340

**WI SPILLS**  
Site Id: 5181300  
Status: CLOSED

**WI MANIFEST**  
ACT Status: A  
FID: 816078340  
EPA ID: WIR000129973

**WI NPDES**  
FIN: 40632  
Status: 9 - NO EXPOSURE CERTIFICATION

**WI TIER 2**

MAP FINDINGS

|           |      |             |                                |
|-----------|------|-------------|--------------------------------|
| Map ID    |      |             |                                |
| Direction |      |             |                                |
| Distance  |      |             |                                |
| Elevation | Site | Database(s) | EDR ID Number<br>EPA ID Number |

**AMSOIL INC AMSOIL CENTER (Continued)**

**S107603339**

Facility ID: 198343

**C13**  
**SE**  
**1/8-1/4**  
**0.211 mi.**  
**1113 ft.**

**AMOCO OIL BARGE DOCK**  
**WINTER & MARYLAND**  
**SUPERIOR, WI**

**WI ERP** **S105300047**  
**N/A**

[Click here for full text details](#)

Relative:  
Higher

**WI ERP**  
Status: OPEN  
Status: CLOSED  
Site Id: 8044600  
Facility ID: NONE

**D14**  
**SE**  
**1/4-1/2**  
**0.252 mi.**  
**1328 ft.**

**LAKE CITY TOWING**  
**2826 WINTER ST N SITE B**  
**SUPERIOR, WI 54880**

**RCRA-CESQG** **1004795260**  
**WI SHWIMS** **WI0000066159**  
**FINDS**  
**ECHO**  
**WI MANIFEST**

[Click here for full text details](#)

Relative:  
Higher

**RCRA-CESQG**  
EPA Id: WI0000066159

**WI SHWIMS**  
FID: 816082410  
Status: OPERATING

**FINDS**  
Registry ID:: 110005266041

**ECHO**  
Registry ID: 110005266041

**WI MANIFEST**  
ACT Status: A  
FID: 816082410  
EPA ID: WI0000066159

**D15**  
**SE**  
**1/4-1/2**  
**0.252 mi.**  
**1328 ft.**

**STOTT BRIQUET CO INC**  
**2826 WINTER ST**  
**SUPERIOR, WI**

**WI ERP** **S101676895**  
**WI WRRSER** **N/A**

[Click here for full text details](#)

Relative:  
Higher

**WI ERP**  
Status: OPEN  
Site Id: 4345000  
Facility ID: 816037860

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

D16  
SE  
1/4-1/2  
0.252 mi.  
1328 ft.

**SUE VINJE TRUCKING**  
2826 WINTER ST  
SUPERIOR, WI 54880

[Click here for full text details](#)

Relative:  
Higher

**RCRA-CESQG**  
EPA Id: WID988633103

**WI SHWIMS**  
FID: 816077790  
Status: OPERATING

**FINDS**  
Registry ID: 110005499497

**ECHO**  
Registry ID: 110005499497

**WI MANIFEST**  
ACT Status: A  
FID: 816077790  
EPA ID: WID988633103

**RCRA-CESQG** 1004798940  
**WI SHWIMS** WID988633103  
**FINDS**  
**ECHO**  
**WI MANIFEST**

17  
ESE  
1/4-1/2  
0.259 mi.  
1369 ft.

**EXPANDING SOLUTIONS**  
2700 WINTER ST  
SUPERIOR, WI 54880

[Click here for full text details](#)

Relative:  
Higher

**RCRA-CESQG**  
EPA Id: WID006156822

**WI ERP**  
Status: CONDITIONALLY CLOSED  
Status: CLOSED  
Site Id: 661500  
Facility ID: 816064810

**WI SHWIMS**  
FID: 816064810  
Status: OPERATING

**WI LUST**  
Facility Status: OPEN

**RCRA-CESQG** 1000438817  
**WI ERP** WID006156822  
**WI SHWIMS**  
**WI LUST**  
**WI BROWNFIELDS**  
**WI SPILLS**  
**FINDS**  
**ECHO**  
**WI BRRTS**  
**WI NPDES**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EXPANDING SOLUTIONS (Continued)**

1000438817

Facility Status: CLOSED  
Site Id: 661500  
Facility ID: 816064810

**WI BROWNFIELDS**

Status: GEN PROP  
Facility ID: 816064810  
Site Id: 661500

**WI SPILLS**

Site Id: 661500  
Status: CLOSED

**FINDS**

Registry ID:: 110000422953

**ECHO**

Registry ID: 110000422953

**WI BRRTS**

Site Id: 661500  
Status: GEN PROP

[Click here for WDNR BRRTS Link](#)

**WI NPDES**

FIN: 29893  
Status: 9 - NO EXPOSURE CERTIFICATION

18  
SSE  
1/4-1/2  
0.262 mi.  
1385 ft.

**BOYER FORD TRUCKS INC**  
1202 SUSQUEHANNA AVE  
SUPERIOR, WI 54880

WI SHWIMS S108149651  
N/A

[Click here for full text details](#)

Relative:  
Higher

**WI SHWIMS**  
FID: 816012010  
Status: OPERATING

19  
SE  
1/4-1/2  
0.293 mi.  
1549 ft.

**STOTT BRIQUETT CO - S PARCEL**  
MARYLAND AVE & HALVOR LN  
SUPERIOR, WI

WI ERP S109978905  
N/A

[Click here for full text details](#)

Relative:  
Higher

**WI ERP**  
Status: OPEN  
Site Id: 21725900



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STOTT BRIQUETT CO - S PARCEL (Continued)**

**S109978905**

Facility ID: NONE

20  
SE  
1/4-1/2  
0.303 mi.  
1601 ft.

**K & V TRANSPORT  
2686 WINTER ST  
SUPERIOR, WI 54880**

**RCRA-CESQG 1006812146  
WI SHWIMS WIR000110189**

[Click here for full text details](#)

Relative:  
Higher

**RCRA-CESQG**  
EPA Id: WIR000110189

**WI SHWIMS**  
FID: 816002110  
Status: OPERATING

21  
South  
1/4-1/2  
0.373 mi.  
1969 ft.

**ALLIANCE STEEL CONST  
3500 N 12TH ST  
SUPERIOR, WI 54880**

**WI SHWIMS S108148425  
WI MANIFEST N/A**

[Click here for full text details](#)

Relative:  
Higher

**WI SHWIMS**  
FID: 316000300  
Status: OPERATING

**WI MANIFEST**  
ACT Status: A  
FID: 316000300  
EPA ID: WIR000049379

22  
ESE  
1/4-1/2  
0.410 mi.  
2165 ft.

**UNITED PURIFICATION CORP  
1001 GARFIELD AVE  
SUPERIOR, WI 54880**

**WI ERP 1000398992  
WI SHWIMS WID988570545  
WI SPILLS  
RCRA NonGen / NLR  
FINDS  
ECHO  
WI WRRSER**

[Click here for full text details](#)

Relative:  
Higher

**WI ERP**  
Status: CLOSED  
Site Id: 1315100  
Facility ID: 816064260

**WI SHWIMS**  
FID: 816064260  
Status: OPERATING

**WI SPILLS**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PURIFICATION CORP (Continued)**

1000398992

Site Id: 1315100  
Status: CLOSED

**RCRA NonGen / NLR**

EPA Id: WID988570545

**FINDS**

Registry ID:: 110005466879

**ECHO**

Registry ID: 110005466879

23  
SSW  
1/4-1/2  
0.411 mi.  
2170 ft.

**ANDERSON DAVID PROPERTY  
2 BELKNAP SHORES  
SUPERIOR, WI**

WI LUST S102451620  
N/A

Relative:  
Higher

[Click here for full text details](#)

**WI LUST**

Facility Status: CLOSED  
Site Id: 3289700  
Facility ID: 816094070

E24  
SE  
1/4-1/2  
0.413 mi.  
2180 ft.

**CORE LANDSCAPING LLC DBA AA ROLL OFF  
1021 GARFIELD AVE  
SUPERIOR, WI 54880**

WI ERP S118709179  
WI AUL N/A  
WI VCP  
WI BROWNFIELDS  
WI SWRCY  
WI AIRS

Relative:  
Higher

[Click here for full text details](#)

**WI ERP**

Status: CLOSED  
Site Id: 4721500  
Facility ID: 816108260

**WI AUL**

Status: CLOSED  
Site Id: 4721500  
Facid: 816108260

**WI VCP**

Status: CLOSED  
Site Id: 4721500  
Facility ID: 816108260

**WI BROWNFIELDS**

Status: CLOSED  
Facility ID: 816108260

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CORE LANDSCAPING LLC DBA AA ROLL OFF (Continued)**

**S118709179**

Site Id: 4721500

**WI AIRS**

Permit No: 816108260-X01

Facility ID: 816108260

**E25**  
**SE**  
**1/4-1/2**  
**0.413 mi.**  
**2180 ft.**

**ALWAYS AVAILABLE ROLL OFF SERVICES INC**  
**1021 GARFIELD AVE**  
**SUPERIOR, WI 54880**

**RCRA-CESQG**  
**WI SHWIMS**  
**WI CRS**  
**FINDS**  
**ECHO**

**1004799874**  
**WIR000018713**

[Click here for full text details](#)

**Relative:**  
**Higher**

**RCRA-CESQG**

EPA Id: WIR000018713

**WI SHWIMS**

FID: 816108260

Status: OPERATING

**WI CRS**

Site ID: 4721500

Facility ID: 816108260

**FINDS**

Registry ID:: 110005268860

**ECHO**

Registry ID: 110005268860

**26**  
**ESE**  
**1/4-1/2**  
**0.434 mi.**  
**2290 ft.**

**MIDWEST ENERGY RESOURCES CO**  
**2400 W WINTER ST**  
**SUPERIOR, WI 54880**

**WI ERP**  
**WI SHWIMS**  
**WI LUST**  
**WI LAST**  
**WI AUL**  
**WI SPILLS**  
**WI BRRTS**  
**WI MANIFEST**

**S109401018**  
**N/A**

[Click here for full text details](#)

**Relative:**  
**Higher**

**WI ERP**

Status: CLOSED

Site Id: 788800

Facility ID: 816013330

**WI SHWIMS**

FID: 816013330

Status: OPERATING

**WI LUST**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MIDWEST ENERGY RESOURCES CO (Continued)**

**S109401018**

Facility Status: CLOSED  
Site Id: 788800  
Facility ID: 816013330

**WI LAST**

Status: CLOSED  
Site ID: 788800  
Facility ID: 816013330

**WI AUL**

Status: CLOSED  
Site Id: 788800  
Facid: 816013330

**WI SPILLS**

Site Id: 788800  
Site Id: 50102420  
Status: CLOSED

**WI BRRTS**

Site Id: 788800  
Status: NAR

[Click here for WDNR BRRTS Link](#)

**WI MANIFEST**

ACT Status: A  
ACT Status: I  
FID: 816013330  
EPA ID: WID040830721

**E27  
SE  
1/4-1/2  
0.442 mi.  
2336 ft.**

**BILLS DIESEL REPAIR  
1200 GARFIELD AVE  
SUPERIOR, WI 54880**

[Click here for full text details](#)

**Relative:  
Higher**

**RCRA-CESQG**  
EPA Id: WID988636551

**RCRA-CESQG 1004799081  
WI SHWIMS WID988636551  
FINDS  
ECHO  
WI MANIFEST**

**WI SHWIMS**

FID: 816078450  
Status: OPERATING

**FINDS**

Registry ID:: 110005502036

**ECHO**

MAP FINDINGS

| Map ID | Direction | Distance | Elevation | Site | Database(s) | EDR ID Number | EPA ID Number |
|--------|-----------|----------|-----------|------|-------------|---------------|---------------|
|--------|-----------|----------|-----------|------|-------------|---------------|---------------|

**BILLS DIESEL REPAIR (Continued)**

1004799081

Registry ID: 110005502036

**WI MANIFEST**

ACT Status: A

FID: 816078450

EPA ID: WID988636551

28  
SE  
1/4-1/2  
0.460 mi.  
2429 ft.

**SUPERIOR WOOD SYSTEMS**  
1301 GARFIELD AVE  
SUPERIOR, WI

WI ERP 1004801438  
WI CRS N/A  
WI AUL  
WI VCP  
WI BROWNFIELDS

[Click here for full text details](#)

Relative:  
Higher

**WI ERP**

Status: CLOSED

Site Id: 6892400

Facility ID: 816089330

**WI CRS**

Site ID: 6892400

Facility ID: 816089330

**WI AUL**

Status: CLOSED

Site Id: 6892400

Facid: 816089330

**WI VCP**

Status: CLOSED

Site Id: 6892400

Facility ID: 816089330

**WI BROWNFIELDS**

Status: CLOSED

Facility ID: 816089330

Site Id: 6892400

29  
ESE  
1/4-1/2  
0.473 mi.  
2496 ft.

**BURLINGTON NORTHERN - ROUNDHOUSE**  
702 ELMIRA AVE  
SUPERIOR, WI

WI ERP S101676870  
WI SPILLS N/A  
WI WRRSER

[Click here for full text details](#)

Relative:  
Higher

**WI ERP**

Status: CLOSED

Site Id: 4343700

Facility ID: NONE

**WI SPILLS**

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**BURLINGTON NORTHERN - ROUNDHOUSE (Continued)**

**S101676870**

Site Id: 4343700  
Status: CLOSED

**30**  
**SSE**  
**1/4-1/2**  
**0.488 mi.**  
**2574 ft.**

**INDIANHEAD TRUCK LINE**  
**1423 MARYLAND AVE**  
**SUPERIOR, WI 54880**

**WI SHWIMS 1000246041**  
**WI LUST N/A**  
**WI CRS**  
**WI AUL**

[Click here for full text details](#)

Relative:  
Higher

**WI SHWIMS**  
FID: 816054800  
Status: OPERATING

**WI LUST**  
Facility Status: CLOSED  
Site Id: 956900  
Facility ID: 816054800

**WI CRS**  
Site ID: 956900  
Facility ID: 816054800

**WI AUL**  
Status: CLOSED  
Site Id: 956900  
Facid: 816054800

**31**  
**NNW**  
**1/2-1**  
**0.916 mi.**  
**4838 ft.**

**BAY SIDE RECYCLING CORP**  
**220 S 39TH AVE W**  
**DULUTH, MN 55807**

**MN SHWS S106226866**  
**MN BROWNFIELDS N/A**  
**MN SWRCY**  
**MN SPILLS**  
**MN AIRS**  
**MN Financial Assurance**  
**MN NPDES**

[Click here for full text details](#)

Relative:  
Higher

**MN SHWS**  
Facility Id: SR1344

**MN AIRS**  
Facility Id: 13700246

**MN Financial Assurance**  
Facility Id: 62333195  
Program Interest ID: 62333195  
PROGRAM ID: 187606  
PROGRAM ID: 175156

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

32  
WNW  
1/2-1  
0.985 mi.  
5202 ft.

**PONDS BEHIND ERIE PIER**  
**SEE LOCATION DESCRIPTION**  
**DULUTH, MN 55807**

**MN SHWS**  
**MN VIC**  
**MN BROWNFIELDS**

**S117413145**  
**N/A**

Relative:  
Lower

[Click here for full text details](#)

**MN SHWS**  
Facility Id: SR1358

**MN VIC**  
Facility Id: BF0000707

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

| St | Acronym               | Full Name  | Government Agency                             | Gov Date   | Arvl. Date | Active Date |
|----|-----------------------|--|---|------------|------------|-------------|
| WI | AG SPILLS             | Agricultural Spill Cases                                     | Department of Agriculture, Trade & Consumer P | 08/31/2018 | 11/08/2018 | 11/27/2018  |
| WI | AIRS                  | Air Permit Program Listing                                   | Department of Natural Resources               | 01/02/2019 | 01/31/2019 | 03/07/2019  |
| WI | ASBESTOS              | Asbestos Notification Listing                                | Department of Natural Resources               | 11/26/2018 | 11/27/2018 | 01/31/2019  |
| WI | AST                   | Tanks Database   | Department of Agriculture, Trade & Consumer P | 12/10/2018 | 12/12/2018 | 02/20/2019  |
| WI | AUL                   | Deed Restriction at Closeout Sites                           | Department of Natural Resources               | 11/01/2018 | 12/28/2018 | 02/21/2019  |
| WI | BEAP                  | Brownfields Environmental Assessment Program                 | Department of Natural Resources               | 12/31/2000 | 05/29/2001 | 06/29/2001  |
| WI | BROWNFIELDS           | Brownfields Site Locations Listing                           | Department of Natural Resources               | 11/01/2018 | 12/28/2018 | 02/21/2019  |
| WI | BRRTS                 | Bureau of Remediation & Redevelopment Tracking System        | Department of Natural Resources               | 11/01/2018 | 12/28/2018 | 02/21/2019  |
| WI | CDL                   | Clandestine Drug Lab Listing                                 | Department of Justice                         | 06/07/2016 | 08/01/2016 | 09/09/2016  |
| WI | COAL ASH              | Coal Ash Disposal Site Listing                               | Deaprtment of Natural Resources               | 06/20/2018 | 06/26/2018 | 08/16/2018  |
| WI | CRS                   | Closed Remediation Sites                                     | Department of Natural Resources               | 01/28/2019 | 01/31/2019 | 02/25/2019  |
| WI | DRYCLEANERS           | Five Star Recognition Program Sites                          | Department of Natural Resources               | 04/02/2012 | 04/05/2012 | 04/24/2012  |
| WI | ERP                   | Environmental Repair Program Database                        | Department of Natural Resources               | 11/01/2018 | 12/28/2018 | 02/21/2019  |
| WI | Financial Assurance 1 | Financial Assurance Information Listing                      | Department of Natural Resources               | 11/19/2018 | 11/21/2018 | 01/31/2019  |
| WI | Financial Assurance 2 | Financial Assurance Information Listing                      | Department of Agriculture, Trade & Consumer P | 01/07/2019 | 01/09/2019 | 02/25/2019  |
| WI | Financial Assurance 3 | Financial Assurance Information Listing                      | Department of Natural Resources               | 11/19/2018 | 11/21/2018 | 01/31/2019  |
| WI | LAST                  | Leaking Aboveground Storage Tank Listing                     | Department of Natural Resources               | 11/01/2018 | 12/28/2018 | 02/21/2019  |
| WI | LEAD                  | Lead Inspection Data   | Department of Health & Family Services        | 10/02/2018 | 10/18/2018 | 11/27/2018  |
| WI | LEAD CERT             | Lead Safe Housing Registry                                   | Department of Environmental & Occupation      | 11/05/2018 | 11/06/2018 | 11/28/2018  |
| WI | LIENS                 | Environmental Liens Listing                                  | Department of Natural Resources               | 01/09/2019 | 01/15/2019 | 03/07/2019  |
| WI | LUST                  | Leaking Underground Storage Tank Database                    | Department of Natural Resources               | 11/01/2018 | 12/28/2018 | 02/21/2019  |
| WI | NPDES                 | NPDES Permit Listing   | Department of Natural Resources               | 10/29/2018 | 11/16/2018 | 01/31/2019  |
| WI | RGA LF                | Recovered Government Archive Solid Waste Facilities List     | Department of Natural Resources               |            | 07/01/2013 | 01/13/2014  |
| WI | RGA LUST              | Recovered Government Archive Leaking Underground Storage Tan | Department of Natural Resources               |            | 07/01/2013 | 12/27/2013  |
| WI | SHWIMS                | Solid & Hazardous Waste Information Management System        | Department of Natural Resources               | 11/21/2018 | 12/26/2018 | 02/25/2019  |
| WI | SHWS                  | Hazard Ranking List  | Department of Natural Resources               | 11/30/1994 | 02/10/1995 | 03/01/1995  |
| WI | SPILLS                | Spills Database  | Department of Natural Resources               | 11/01/2018 | 12/28/2018 | 02/25/2019  |
| WI | SPILLS 80             | SPILLS80 data from FirstSearch                               | FirstSearch                                   | 03/31/2003 | 01/03/2013 | 03/01/2013  |
| WI | SPILLS 90             | SPILLS90 data from FirstSearch                               | FirstSearch                                   | 11/06/2012 | 01/03/2013 | 02/11/2013  |
| WI | SWF/LF                | List of Licensed Landfills                                   | Department of Natural Resources               | 12/31/2018 | 01/03/2019 | 02/25/2019  |
| WI | SWRCY                 | Recycling Center Listing                                     | Solid & Hazardous Waste Education center      | 01/08/2019 | 01/10/2019 | 02/27/2019  |
| WI | TIER 2                | Tier 2 Facility Listing                                      | Department of Natural Resources               | 12/31/2017 | 06/01/2018 | 07/09/2018  |
| WI | UST                   | Registered Underground Storage Tanks                         | Department of Agriculture, Trade & Consumer P | 12/10/2018 | 12/12/2018 | 02/20/2019  |
| WI | VCP                   | Voluntary Party Liability Exemption Sites                    | Department of Natural Resources               | 11/01/2018 | 12/28/2018 | 02/25/2019  |
| WI | WDS                   | Registry of Waste Disposal Sites                             | Department of Natural Resources               | 07/22/2013 | 10/03/2013 | 11/15/2013  |
| WI | WI MANIFEST           | Manifest Information   | Department of Natural Resources               | 12/31/2017 | 06/15/2018 | 07/09/2018  |
| WI | WRRSER                | Wisconsin Remedial Response Site Evaluation Report           | Department of Natural Resources               | 10/01/1995 | 01/02/1996 | 02/01/1996  |
| US | 2020 COR ACTION       | 2020 Corrective Action Program List                          | Environmental Protection Agency               | 09/30/2017 | 05/08/2018 | 07/20/2018  |
| US | ABANDONED MINES       | Abandoned Mines  | Department of Interior                        | 09/10/2018 | 09/11/2018 | 09/14/2018  |
| MN | AG SPILLS             | Department of Agriculture Spills                             | Department of Agriculture                     | 11/01/2018 | 11/07/2018 | 12/07/2018  |
| MN | AIRS                  | Permit Contact List  | Pollution Control Agency                      | 12/31/2016 | 05/23/2018 | 07/24/2018  |
| MN | ASBESTOS              | Asbestos Notification Listing                                | Department of Health                          | 10/30/2018 | 11/01/2018 | 12/07/2018  |
| MN | AST                   | Aboveground Storage Tanks                                    | Minnesota Pollution Control Agency            | 11/02/2018 | 11/07/2018 | 12/10/2018  |
| MN | BROWNFIELDS           | Petroleum Brownfields Program Sites                          | Pollution Control Agency                      | 11/30/2018 | 12/05/2018 | 01/15/2019  |
| US | BRS                   | Biennial Reporting System                                    | EPA/NTIS                                      | 12/31/2015 | 02/22/2017 | 09/28/2017  |
| MN | CDL                   | Clandestine Drug Labs  | Department of Health                          | 10/01/2018 | 10/02/2018 | 11/05/2018  |
| MN | COAL ASH              | Coal Ash Disposal Site Listing                               | Pollution Control Agency                      | 02/09/2017 | 02/10/2017 | 03/07/2017  |



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

| St | Acronym               | Full Name  | Government Agency                              | Gov Date   | Arvl. Date | Active Date |
|----|-----------------------|--|--|------------|------------|-------------|
| US | COAL ASH DOE          | Steam-Electric Plant Operation Data                          | Department of Energy                           | 12/31/2005 | 08/07/2009 | 10/22/2009  |
| US | COAL ASH EPA          | Coal Combustion Residues Surface Impoundments List           | Environmental Protection Agency                | 07/01/2014 | 09/10/2014 | 10/20/2014  |
| US | CONSENT               | Superfund (CERCLA) Consent Decrees                           | Department of Justice, Consent Decree Library  | 09/30/2018 | 10/12/2018 | 12/07/2018  |
| US | CORRACTS              | Corrective Action Report                                     | EPA  | 03/01/2018 | 03/28/2018 | 06/22/2018  |
| US | DEBRIS REGION 9       | Torres Martinez Reservation Illegal Dump Site Locations      | EPA, Region 9                                  | 01/12/2009 | 05/07/2009 | 09/21/2009  |
| US | DOCKET HWC            | Hazardous Waste Compliance Docket Listing                    | Environmental Protection Agency                | 05/31/2018 | 07/26/2018 | 10/05/2018  |
| US | DOD                   | Department of Defense Sites                                  | USGS   | 12/31/2005 | 11/10/2006 | 01/11/2007  |
| US | DOT OPS               | Incident and Accident Data                                   | Department of Transportation, Office of Pipeli | 10/01/2018 | 10/30/2018 | 01/18/2019  |
| MN | DRYCLEANERS           | Registered Drycleaning Facilities                            | Pollution Control Agency                       | 12/31/2018 | 01/02/2019 | 01/15/2019  |
| US | Delisted NPL          | National Priority List Deletions                             | EPA  | 12/12/2018 | 12/28/2018 | 01/11/2019  |
| US | ECHO                  | Enforcement & Compliance History Information                 | Environmental Protection Agency                | 09/02/2018 | 09/05/2018 | 09/14/2018  |
| US | EDR Hist Auto         | EDR Exclusive Historical Auto Stations                       | EDR, Inc.                                      |            |            |             |
| US | EDR Hist Cleaner      | EDR Exclusive Historical Cleaners                            | EDR, Inc.                                      |            |            |             |
| US | EDR MGP               | EDR Proprietary Manufactured Gas Plants                      | EDR, Inc.                                      |            |            |             |
| US | EPA WATCH LIST        | EPA WATCH LIST   | Environmental Protection Agency                | 08/30/2013 | 03/21/2014 | 06/17/2014  |
| US | ERNS                  | Emergency Response Notification System                       | National Response Center, United States Coast  | 02/04/2019 | 02/08/2019 | 03/08/2019  |
| US | FEDERAL FACILITY      | Federal Facility Site Information listing                    | Environmental Protection Agency                | 11/07/2016 | 01/05/2017 | 04/07/2017  |
| US | FEDLAND               | Federal and Indian Lands                                     | U.S. Geological Survey                         | 12/31/2005 | 02/06/2006 | 01/11/2007  |
| US | FEMA UST              | Underground Storage Tank Listing                             | FEMA   | 05/15/2017 | 05/30/2017 | 10/13/2017  |
| US | FINDS                 | Facility Index System/Facility Registry System               | EPA  | 11/15/2018 | 12/05/2018 | 01/11/2019  |
| US | FTTS                  | FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu | EPA/Office of Prevention, Pesticides and Toxi  | 04/09/2009 | 04/16/2009 | 05/11/2009  |
| US | FTTS INSP             | FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu | EPA  | 04/09/2009 | 04/16/2009 | 05/11/2009  |
| US | FUDS                  | Formerly Used Defense Sites                                  | U.S. Army Corps of Engineers                   | 01/31/2015 | 07/08/2015 | 10/13/2015  |
| US | FUELS PROGRAM         | EPA Fuels Program Registered Listing                         | EPA  | 08/22/2018 | 08/22/2018 | 10/05/2018  |
| US | FUSRAP                | Formerly Utilized Sites Remedial Action Program              | Department of Energy                           | 08/08/2017 | 09/11/2018 | 09/14/2018  |
| MN | Financial Assurance 1 | Financial Assurance Information Listing                      | Pollution Control Agency                       | 08/01/2016 | 08/10/2016 | 11/02/2016  |
| MN | Financial Assurance 2 | Financial Assurance Information listing                      | Pollution Control Agency                       | 10/24/2018 | 12/06/2018 | 01/16/2019  |
| MN | Financial Assurance 3 | Financial Assurance Information Listing                      | Pollution Control Agency                       | 12/31/2018 | 01/04/2019 | 01/16/2019  |
| US | HIST FTTS             | FIFRA/TSCA Tracking System Administrative Case Listing       | Environmental Protection Agency                | 10/19/2006 | 03/01/2007 | 04/10/2007  |
| US | HIST FTTS INSP        | FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis | Environmental Protection Agency                | 10/19/2006 | 03/01/2007 | 04/10/2007  |
| US | HMIRS                 | Hazardous Materials Information Reporting System             | U.S. Department of Transportation              | 03/26/2018 | 03/27/2018 | 06/08/2018  |
| US | ICIS                  | Integrated Compliance Information System                     | Environmental Protection Agency                | 11/18/2016 | 11/23/2016 | 02/10/2017  |
| US | IHS OPEN DUMPS        | Open Dumps on Indian Land                                    | Department of Health & Human Serivces, Indian  | 04/01/2014 | 08/06/2014 | 01/29/2015  |
| US | INDIAN LUST R1        | Leaking Underground Storage Tanks on Indian Land             | EPA Region 1                                   | 04/13/2018 | 05/18/2018 | 07/20/2018  |
| US | INDIAN LUST R10       | Leaking Underground Storage Tanks on Indian Land             | EPA Region 10                                  | 04/12/2018 | 05/18/2018 | 07/20/2018  |
| US | INDIAN LUST R4        | Leaking Underground Storage Tanks on Indian Land             | EPA Region 4                                   | 05/08/2018 | 05/18/2018 | 07/20/2018  |
| US | INDIAN LUST R5        | Leaking Underground Storage Tanks on Indian Land             | EPA, Region 5                                  | 04/12/2018 | 05/18/2018 | 07/20/2018  |
| US | INDIAN LUST R6        | Leaking Underground Storage Tanks on Indian Land             | EPA Region 6                                   | 04/01/2018 | 05/18/2018 | 07/20/2018  |
| US | INDIAN LUST R7        | Leaking Underground Storage Tanks on Indian Land             | EPA Region 7                                   | 04/24/2018 | 05/18/2018 | 07/20/2018  |
| US | INDIAN LUST R8        | Leaking Underground Storage Tanks on Indian Land             | EPA Region 8                                   | 04/25/2018 | 05/18/2018 | 07/20/2018  |
| US | INDIAN LUST R9        | Leaking Underground Storage Tanks on Indian Land             | Environmental Protection Agency                | 04/10/2018 | 05/18/2018 | 07/20/2018  |
| US | INDIAN ODI            | Report on the Status of Open Dumps on Indian Lands           | Environmental Protection Agency                | 12/31/1998 | 12/03/2007 | 01/24/2008  |
| US | INDIAN RESERV         | Indian Reservations  | USGS   | 12/31/2014 | 07/14/2015 | 01/10/2017  |
| US | INDIAN UST R1         | Underground Storage Tanks on Indian Land                     | EPA, Region 1                                  | 04/13/2018 | 05/18/2018 | 07/20/2018  |
| US | INDIAN UST R10        | Underground Storage Tanks on Indian Land                     | EPA Region 10                                  | 04/12/2018 | 05/18/2018 | 07/20/2018  |
| US | INDIAN UST R4         | Underground Storage Tanks on Indian Land                     | EPA Region 4                                   | 05/08/2018 | 05/18/2018 | 07/20/2018  |
| US | INDIAN UST R5         | Underground Storage Tanks on Indian Land                     | EPA Region 5                                   | 04/12/2018 | 05/18/2018 | 07/20/2018  |

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

| St | Acronym           | Full Name  | Government Agency                  | Gov Date   | Arvl. Date | Active Date |
|----|-------------------|--|------------------------------------|------------|------------|-------------|
| US | INDIAN UST R6     | Underground Storage Tanks on Indian Land                     | EPA Region 6                       | 04/01/2018 | 05/18/2018 | 07/20/2018  |
| US | INDIAN UST R7     | Underground Storage Tanks on Indian Land                     | EPA Region 7                       | 04/24/2018 | 05/18/2018 | 07/20/2018  |
| US | INDIAN UST R8     | Underground Storage Tanks on Indian Land                     | EPA Region 8                       | 04/25/2018 | 05/18/2018 | 07/20/2018  |
| US | INDIAN UST R9     | Underground Storage Tanks on Indian Land                     | EPA Region 9                       | 04/10/2018 | 05/18/2018 | 07/20/2018  |
| US | INDIAN VCP R1     | Voluntary Cleanup Priority Listing                           | EPA, Region 1                      | 07/27/2015 | 09/29/2015 | 02/18/2016  |
| US | INDIAN VCP R7     | Voluntary Cleanup Priority Listing                           | EPA, Region 7                      | 03/20/2008 | 04/22/2008 | 05/19/2008  |
| MN | LAST              | Leaking Aboveground Storage Tanks                            | Pollution Control Agency           | 11/02/2018 | 11/07/2018 | 12/10/2018  |
| MN | LEAD              | Lead Inspection Listing                                      | Department of Health               | 12/19/2018 | 12/20/2018 | 01/16/2019  |
| US | LEAD SMELTER 1    | Lead Smelter Sites   | Environmental Protection Agency    | 12/12/2018 | 12/28/2018 | 01/11/2019  |
| US | LEAD SMELTER 2    | Lead Smelter Sites   | American Journal of Public Health  | 04/05/2001 | 10/27/2010 | 12/02/2010  |
| MN | LIENS             | Environmental Liens  | Pollution Control Agency           | 02/16/2016 | 03/09/2016 | 04/06/2016  |
| US | LIENS 2           | CERCLA Lien Information                                      | Environmental Protection Agency    | 12/12/2018 | 12/28/2018 | 01/11/2019  |
| US | LUCIS             | Land Use Control Information System                          | Department of the Navy             | 10/17/2018 | 10/25/2018 | 12/07/2018  |
| MN | LUST              | Leak Sites   | Minnesota Pollution Control Agency | 11/02/2018 | 11/07/2018 | 12/10/2018  |
| MN | MANIFEST          | Hazardous Waste Manifest Data                                | Pollution Control Agency           | 06/30/2016 | 02/07/2017 | 04/05/2017  |
| US | MLTS              | Material Licensing Tracking System                           | Nuclear Regulatory Commission      | 08/30/2016 | 09/08/2016 | 10/21/2016  |
| MN | NPDES             | Wastewater Permits Listing                                   | Minnesota Pollution Control Agency | 12/10/2018 | 12/12/2018 | 01/22/2019  |
| US | NPL               | National Priority List                                       | EPA                                | 12/12/2018 | 12/28/2018 | 01/11/2019  |
| US | NPL LIENS         | Federal Superfund Liens                                      | EPA                                | 10/15/1991 | 02/02/1994 | 03/30/1994  |
| US | ODI               | Open Dump Inventory  | Environmental Protection Agency    | 06/30/1985 | 08/09/2004 | 09/17/2004  |
| US | PADS              | PCB Activity Database System                                 | EPA                                | 09/14/2018 | 10/11/2018 | 12/07/2018  |
| US | PCB TRANSFORMER   | PCB Transformer Registration Database                        | Environmental Protection Agency    | 05/24/2017 | 11/30/2017 | 12/15/2017  |
| US | PRP               | Potentially Responsible Parties                              | EPA                                | 08/13/2018 | 10/04/2018 | 11/09/2018  |
| US | Proposed NPL      | Proposed National Priority List Sites                        | EPA                                | 12/12/2018 | 12/28/2018 | 01/11/2019  |
| US | RAATS             | RCRA Administrative Action Tracking System                   | EPA                                | 04/17/1995 | 07/03/1995 | 08/07/1995  |
| US | RADINFO           | Radiation Information Database                               | Environmental Protection Agency    | 10/02/2018 | 10/03/2018 | 11/09/2018  |
| US | RCRA NonGen / NLR | RCRA - Non Generators / No Longer Regulated                  | Environmental Protection Agency    | 03/01/2018 | 03/28/2018 | 06/22/2018  |
| US | RCRA-CESQG        | RCRA - Conditionally Exempt Small Quantity Generators        | Environmental Protection Agency    | 03/01/2018 | 03/28/2018 | 06/22/2018  |
| US | RCRA-LQG          | RCRA - Large Quantity Generators                             | Environmental Protection Agency    | 03/01/2018 | 03/28/2018 | 06/22/2018  |
| US | RCRA-SQG          | RCRA - Small Quantity Generators                             | Environmental Protection Agency    | 03/01/2018 | 03/28/2018 | 06/22/2018  |
| US | RCRA-TSDF         | RCRA - Treatment, Storage and Disposal                       | Environmental Protection Agency    | 03/01/2018 | 03/28/2018 | 06/22/2018  |
| MN | RGA LF            | Recovered Government Archive Solid Waste Facilities List     | Minnesota Pollution Control Agency |            | 07/01/2013 | 01/13/2014  |
| MN | RGA LUST          | Recovered Government Archive Leaking Underground Storage Tan | Minnesota Pollution Control Agency |            | 07/01/2013 | 12/24/2013  |
| US | RMP               | Risk Management Plans  | Environmental Protection Agency    | 10/26/2018 | 11/06/2018 | 01/11/2019  |
| US | ROD               | Records Of Decision  | EPA                                | 12/12/2018 | 12/28/2018 | 01/11/2019  |
| US | SCRD DRYCLEANERS  | State Coalition for Remediation of Drycleaners Listing       | Environmental Protection Agency    | 01/01/2017 | 02/03/2017 | 04/07/2017  |
| US | SEMS              | Superfund Enterprise Management System                       | EPA                                | 12/12/2018 | 12/28/2018 | 01/11/2019  |
| US | SEMS-ARCHIVE      | Superfund Enterprise Management System Archive               | EPA                                | 12/13/2018 | 12/28/2018 | 01/11/2019  |
| MN | SHWS              | Superfund Site Information Listing                           | Minnesota Pollution Control Agency | 11/30/2018 | 12/05/2018 | 01/15/2019  |
| MN | SPIILLS           | Spills Database  | Minnesota Pollution Control Agency | 11/02/2018 | 11/07/2018 | 12/13/2018  |
| MN | SPIILLS 80        | SPIILLS80 data from FirstSearch                              | FirstSearch                        | 11/20/2001 | 01/03/2013 | 03/06/2013  |
| MN | SPIILLS 90        | SPIILLS90 data from FirstSearch                              | FirstSearch                        | 11/01/2012 | 01/03/2013 | 02/11/2013  |
| US | SSTS              | Section 7 Tracking Systems                                   | EPA                                | 12/31/2009 | 12/10/2010 | 02/25/2011  |
| MN | SWF/LF            | Permitted Solid Waste Disposal Facilities                    | Minnesota Pollution Control Agency | 11/03/2018 | 11/07/2018 | 12/13/2018  |
| MN | SWRCY             | Recycling Facilities   | Pollution Control Agency           | 09/22/2018 | 09/25/2018 | 10/05/2018  |
| MN | TIER 2            | Tier 2 Facility Listing                                      | Department of Public Safety        | 12/31/2017 | 05/07/2018 | 06/06/2018  |
| US | TRIS              | Toxic Chemical Release Inventory System                      | EPA                                | 12/31/2016 | 01/10/2018 | 01/12/2018  |

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

| St | Acronym                               | Full Name  | Government Agency                             | Gov Date   | Arvl. Date | Active Date |
|----|---------------------------------------|--|---|------------|------------|-------------|
| US | TSCA                                  | Toxic Substances Control Act                                 | EPA   | 12/31/2016 | 06/21/2017 | 01/05/2018  |
| US | UMTRA                                 | Uranium Mill Tailings Sites                                  | Department of Energy                          | 06/23/2017 | 10/11/2017 | 11/03/2017  |
| US | US AIRS (AFS)                         | Aerometric Information Retrieval System Facility Subsystem ( | EPA   | 10/12/2016 | 10/26/2016 | 02/03/2017  |
| US | US AIRS MINOR                         | Air Facility System Data                                     | EPA   | 10/12/2016 | 10/26/2016 | 02/03/2017  |
| US | US BROWNFIELDS                        | A Listing of Brownfields Sites                               | Environmental Protection Agency               | 12/17/2018 | 12/18/2018 | 01/11/2019  |
| US | US CDL                                | Clandestine Drug Labs  | Drug Enforcement Administration               | 09/21/2018 | 09/21/2018 | 11/09/2018  |
| US | US ENG CONTROLS                       | Engineering Controls Sites List                              | Environmental Protection Agency               | 01/31/2019 | 02/04/2019 | 03/08/2019  |
| US | US FIN ASSUR                          | Financial Assurance Information                              | Environmental Protection Agency               | 01/31/2019 | 02/04/2019 | 03/08/2019  |
| US | US HIST CDL                           | National Clandestine Laboratory Register                     | Drug Enforcement Administration               | 09/21/2018 | 09/21/2018 | 11/09/2018  |
| US | US INST CONTROL                       | Sites with Institutional Controls                            | Environmental Protection Agency               | 01/31/2019 | 02/04/2019 | 03/08/2019  |
| US | US MINES                              | Mines Master Index File                                      | Department of Labor, Mine Safety and Health A | 08/01/2018 | 08/29/2018 | 10/05/2018  |
| US | US MINES 2                            | Ferrous and Nonferrous Metal Mines Database Listing          | USGS  | 12/05/2005 | 02/29/2008 | 04/18/2008  |
| US | US MINES 3                            | Active Mines & Mineral Plants Database Listing               | USGS  | 04/14/2011 | 06/08/2011 | 09/13/2011  |
| MN | UST                                   | Underground Storage Tank Database                            | Minnesota Pollution Control Agency            | 11/02/2018 | 11/07/2018 | 12/10/2018  |
| US | UXO                                   | Unexploded Ordnance Sites                                    | Department of Defense                         | 09/30/2017 | 06/19/2018 | 09/14/2018  |
| MN | VIC                                   | Voluntary Investigation and Cleanup Program                  | Minnesota Pollution Control Agency            | 11/30/2018 | 12/05/2018 | 01/15/2019  |
| CT | CT MANIFEST                           | Hazardous Waste Manifest Data                                | Department of Energy & Environmental Protecti | 02/11/2019 | 02/12/2019 | 03/04/2019  |
| NJ | NJ MANIFEST                           | Manifest Information   | Department of Environmental Protection        | 12/31/2017 | 07/13/2018 | 08/01/2018  |
| NY | NY MANIFEST                           | Facility and Manifest Data                                   | Department of Environmental Conservation      | 01/01/2019 | 01/30/2019 | 02/14/2019  |
| PA | PA MANIFEST                           | Manifest Information   | Department of Environmental Protection        | 12/31/2017 | 10/23/2018 | 11/27/2018  |
| RI | RI MANIFEST                           | Manifest information   | Department of Environmental Management        | 12/31/2017 | 02/23/2018 | 04/09/2018  |
| VT | VT MANIFEST                           | Hazardous Waste Manifest Data                                | Department of Environmental Conservation      | 01/16/2019 | 01/17/2019 | 02/19/2019  |
| US | AHA Hospitals                         | Sensitive Receptor: AHA Hospitals                            | American Hospital Association, Inc.           |            |            |             |
| US | Medical Centers                       | Sensitive Receptor: Medical Centers                          | Centers for Medicare & Medicaid Services      |            |            |             |
| US | Nursing Homes                         | Sensitive Receptor: Nursing Homes                            | National Institutes of Health                 |            |            |             |
| US | Public Schools                        | Sensitive Receptor: Public Schools                           | National Center for Education Statistics      |            |            |             |
| US | Private Schools                       | Sensitive Receptor: Private Schools                          | National Center for Education Statistics      |            |            |             |
| WI | Daycare Centers                       | Sensitive Receptor: Day Care Directory                       | Department of Health & Family Services        |            |            |             |
| US | Flood Zones                           | 100-year and 500-year flood zones                            | Emergency Management Agency (FEMA)            |            |            |             |
| US | NWI                                   | National Wetlands Inventory                                  | U.S. Fish and Wildlife Service                |            |            |             |
| US | Topographic Map                       |  | U.S. Geological Survey                        |            |            |             |
| US | Oil/Gas Pipelines                     |  | PennWell Corporation                          |            |            |             |
| US | Electric Power Transmission Line Data |  | PennWell Corporation                          |            |            |             |

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**St**   **Acronym**   **Full Name**   **Government Agency**   **Gov Date**   **Arvl. Date**   **Active Date**

STREET AND ADDRESS INFORMATION

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# GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

## TARGET PROPERTY ADDRESS

ESTUARY FLATS  
ESTUARY FLATS  
SUPERIOR, WI 54880

## TARGET PROPERTY COORDINATES

Latitude (North): 46.733179 - 46° 43' 59.44"  
Longitude (West): 92.129842 - 92° 7' 47.43"  
Universal Transverse Mercator: Zone 15  
UTM X (Meters): 566484.8  
UTM Y (Meters): 5175663.0  
Elevation: 602 ft. above sea level

## USGS TOPOGRAPHIC MAP

Target Property Map: 5960122 WEST DULUTH, MN  
Version Date: 2013

Northeast Map: 5960068 DULUTH, MN  
Version Date: 2013

Southeast Map: 5954259 SUPERIOR, WI  
Version Date: 2013

Northwest Map: 5961037 DULUTH HEIGHTS, MN  
Version Date: 2013

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

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

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

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

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

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

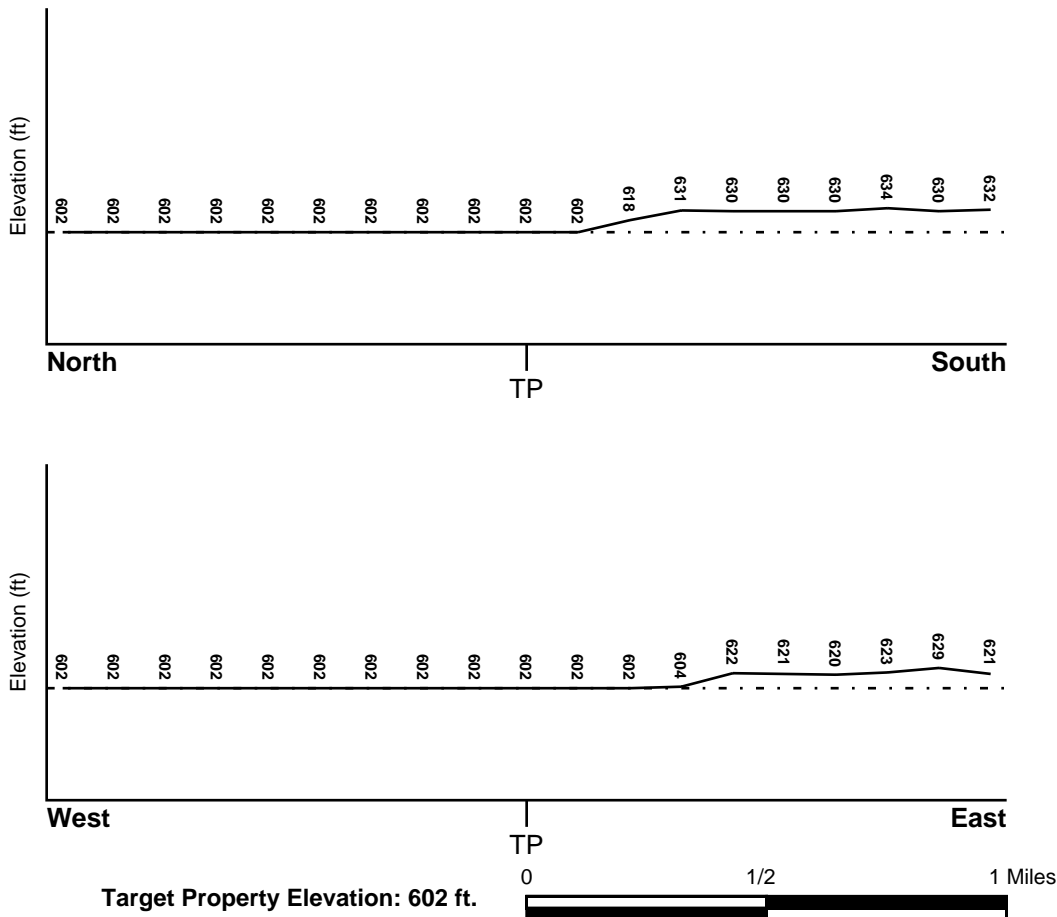
## TOPOGRAPHIC INFORMATION

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

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General North

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

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

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

## **FEMA FLOOD ZONE**

| <u>Flood Plain Panel at Target Property</u> | <u>FEMA Source Type</u> |
|---|-------------------------|
| 55031C0057D                                 | FEMA FIRM Flood data    |
| <u>Additional Panels in search area:</u>    | <u>FEMA Source Type</u> |
| 55031C0076D                                 | FEMA FIRM Flood data    |
| 55031C0059D                                 | FEMA FIRM Flood data    |

## **NATIONAL WETLAND INVENTORY**

| <u>NWI Quad at Target Property</u> | <u>NWI Electronic Data Coverage</u>            |
|------------------------------------|--|
| WEST DULUTH                        | YES - refer to the Overview Map and Detail Map |

## HYDROGEOLOGIC INFORMATION

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

### ***Site-Specific Hydrogeological Data\*:***

|                |            |
|----------------|------------|
| Search Radius: | 1.25 miles |
| Status:        | Not found  |

## **AQUIFLOW®**

Search Radius: 1.000 Mile.

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

| <u>MAP ID</u> | <u>LOCATION FROM TP</u> | <u>GENERAL DIRECTION GROUNDWATER FLOW</u> |
|---------------|-------------------------|---|
| Not Reported  |                         |   |

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW VELOCITY INFORMATION

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

## GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

### **ROCK STRATIGRAPHIC UNIT**

Era: Precambrian  
System: Precambrian  
Series: Mafic intrusives  
Code: Ymi (*decoded above as Era, System & Series*)

### **GEOLOGIC AGE IDENTIFICATION**

Category: Plutonic and Intrusive Rocks

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

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

No detail available.

## LOCAL / REGIONAL WATER AGENCY RECORDS

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

## WELL SEARCH DISTANCE INFORMATION

| <u>DATABASE</u>  | <u>SEARCH DISTANCE (miles)</u> |
|------------------|--------------------------------|
| Federal USGS     | 1.000                          |
| Federal FRDS PWS | Nearest PWS within 0.001 miles |
| State Database   | 1.000                          |

## **FEDERAL USGS WELL INFORMATION**

| <u>MAP ID</u>  | <u>WELL ID</u> | <u>LOCATION FROM TP</u> |
|----------------|----------------|-------------------------|
| No Wells Found |                |                         |



# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

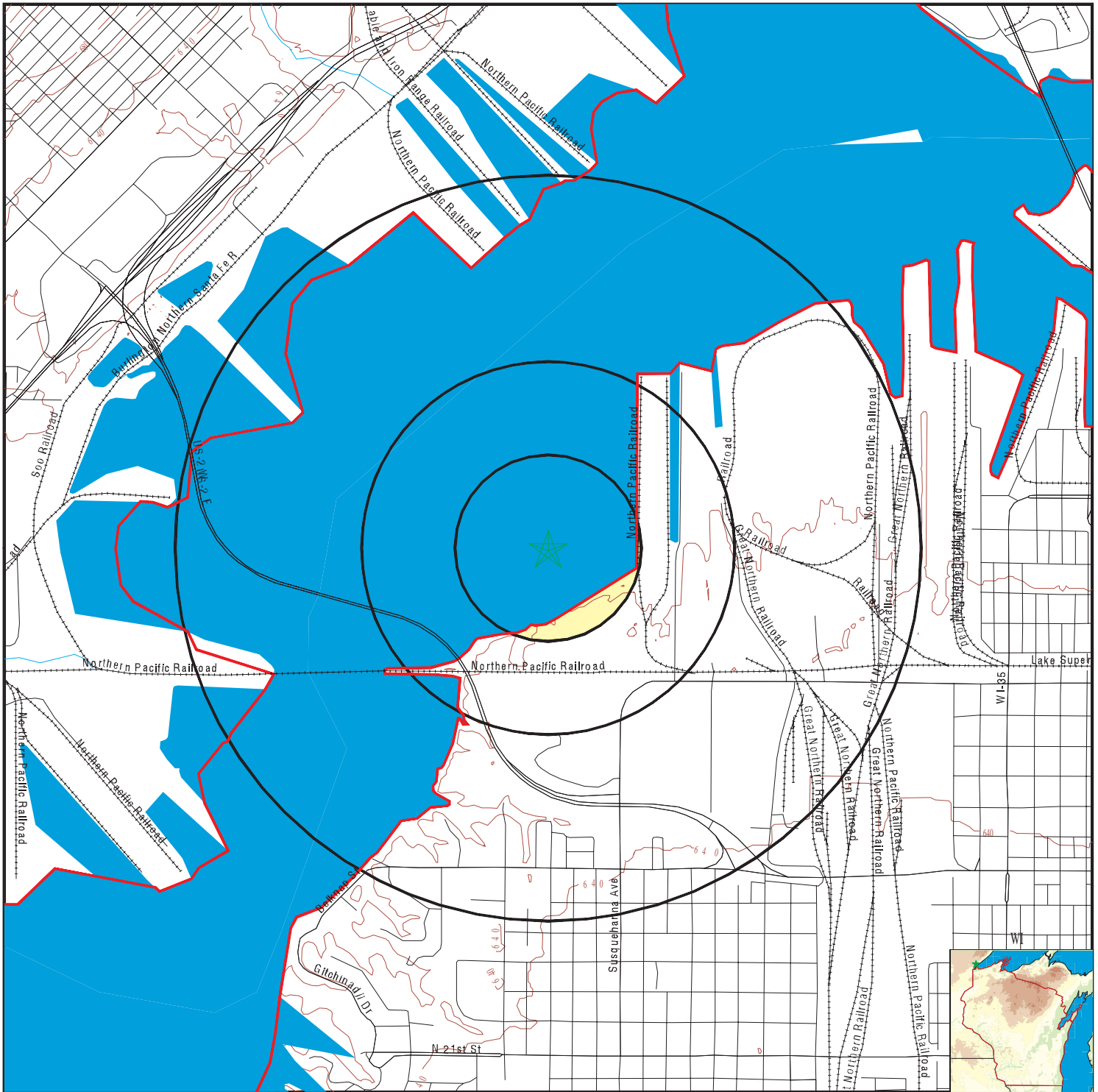
| MAP ID                      | WELL ID                     | LOCATION<br>FROM TP         |
|-----------------------------|-----------------------------|-----------------------------|
| <u>                    </u> | <u>                    </u> | <u>                    </u> |
| No PWS System Found         |                             |                             |

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

## STATE DATABASE WELL INFORMATION

| MAP ID                      | WELL ID                     | LOCATION<br>FROM TP         |
|-----------------------------|-----------------------------|-----------------------------|
| <u>                    </u> | <u>                    </u> | <u>                    </u> |
| No Wells Found              |                             |                             |

# PHYSICAL SETTING SOURCE MAP - 5591154.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data

SITE NAME: Estuary Flats  
 ADDRESS: Estuary Flats  
 Superior WI 54880  
 LAT/LONG: 46.733179 / 92.129842

CLIENT: Sigma Env. Services, Inc.  
 CONTACT: Dale Palkowski  
 INQUIRY #: 5591154.2s  
 DATE: March 15, 2019 11:59 am

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database

EDR ID Number

---

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: WI Radon

### Radon Test Results

| Num Tests | # 4-10 pCi/L | # > 10 pCi/L | Avg pCi/L | Max pCi/L |
|-----------|--------------|--------------|-----------|-----------|
| 193       | 21           | 9            | 2.2       | 27.4      |

Federal EPA Radon Zone for DOUGLAS County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.  
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.  
 : Zone 3 indoor average level < 2 pCi/L.

---

Federal Area Radon Information for Zip Code: 54880

Number of sites tested: 6

| Area                    | Average Activity | % <4 pCi/L   | % 4-20 pCi/L | % >20 pCi/L  |
|-------------------------|------------------|--------------|--------------|--------------|
| Living Area - 1st Floor | 0.000 pCi/L      | 100%         | 0%           | 0%           |
| Living Area - 2nd Floor | Not Reported     | Not Reported | Not Reported | Not Reported |
| Basement                | 3.133 pCi/L      | 67%          | 33%          | 0%           |

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Source: U.S. Geological Survey

## HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

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

## HYDROGEOLOGIC INFORMATION

AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

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

## GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

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

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### Wisconsin Well Construction Report File

Source: Department of Natural Resources

Telephone: 608-266-0153

In the past, not all latitude/longitudes were accurate. Many were protracted from centroid (center of the quarter sections given in PLSS). The ones that were not accurate were removed from the well database.

## OTHER STATE DATABASE INFORMATION

### RADON

#### State Database: WI Radon

Source: Department of Health & Family Services

Telephone: 608-266-1865

Wisconsin Measurement Summary

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

### OTHER

#### Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

#### Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## STREET AND ADDRESS INFORMATION

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**APPENDIX B**

EDR Topographical Map Report





Estuary Flats

Estuary Flats

Superior, WI 54880

Inquiry Number: 5591154.4

March 15, 2019

# EDR Historical Topo Map Report

with QuadMatch™



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

# EDR Historical Topo Map Report

03/15/19

**Site Name:**

Estuary Flats  
Estuary Flats  
Superior, WI 54880  
EDR Inquiry # 5591154.4

**Client Name:**

Sigma Env. Services, Inc.  
1300 W. Canal Street  
Milwaukee, WI 53233  
Contact: Dale Palkowski



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Sigma Env. Services, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

**Search Results:****Coordinates:**

|                 |       |                      |                             |
|-----------------|-------|----------------------|-----------------------------|
| <b>P.O.#</b>    | NA    | <b>Latitude:</b>     | 46.733179 46° 43' 59" North |
| <b>Project:</b> | 18328 | <b>Longitude:</b>    | -92.129842 -92° 7' 47" West |
|                 |       | <b>UTM Zone:</b>     | Zone 15 North               |
|                 |       | <b>UTM X Meters:</b> | 566482.72                   |
|                 |       | <b>UTM Y Meters:</b> | 5175881.58                  |
|                 |       | <b>Elevation:</b>    | 602.00' above sea level     |

**Maps Provided:**

2013  
1997  
1993  
1975  
1969  
1953, 1954  
1917  
1915

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## Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### 2013 Source Sheets



West Duluth  
2013  
7.5-minute, 24000



Superior  
2013  
7.5-minute, 24000

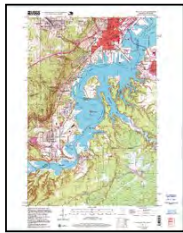


Duluth Heights  
2013  
7.5-minute, 24000



Duluth  
2013  
7.5-minute, 24000

### 1997 Source Sheets



West Duluth  
1997  
7.5-minute, 24000  
Aerial Photo Revised 1991

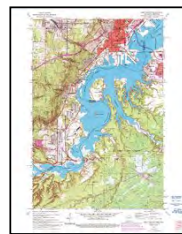
### 1993 Source Sheets



Duluth  
1993  
7.5-minute, 24000  
Aerial Photo Revised 1991



Duluth Heights  
1993  
7.5-minute, 24000  
Aerial Photo Revised 1991

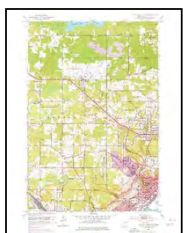


West Duluth  
1993  
7.5-minute, 24000  
Aerial Photo Revised 1991



Superior  
1993  
7.5-minute, 24000  
Aerial Photo Revised 1991

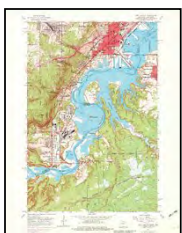
### 1975 Source Sheets



Duluth Heights  
1975  
7.5-minute, 24000  
Aerial Photo Revised 1975



Duluth  
1975  
7.5-minute, 24000  
Aerial Photo Revised 1975



West Duluth  
1975  
7.5-minute, 24000  
Aerial Photo Revised 1975

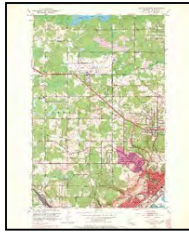


Superior  
1975  
7.5-minute, 24000  
Aerial Photo Revised 1975

## Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

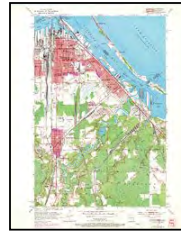
### 1969 Source Sheets



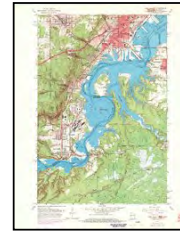
Duluth Heights  
1969  
7.5-minute, 24000  
Aerial Photo Revised 1969



Duluth  
1969  
7.5-minute, 24000  
Aerial Photo Revised 1969



Superior  
1969  
7.5-minute, 24000  
Aerial Photo Revised 1969

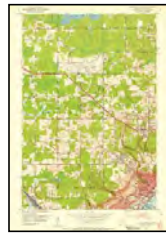


West Duluth  
1969  
7.5-minute, 24000  
Aerial Photo Revised 1969

### 1953, 1954 Source Sheets



Duluth  
1953  
7.5-minute, 24000  
Aerial Photo Revised 1952



Duluth Heights  
1953  
7.5-minute, 24000  
Aerial Photo Revised 1952

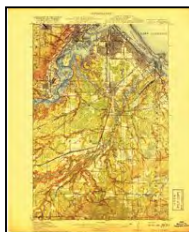


West Duluth  
1954  
7.5-minute, 24000  
Aerial Photo Revised 1952



Superior  
1954  
7.5-minute, 24000  
Aerial Photo Revised 1952

### 1917 Source Sheets



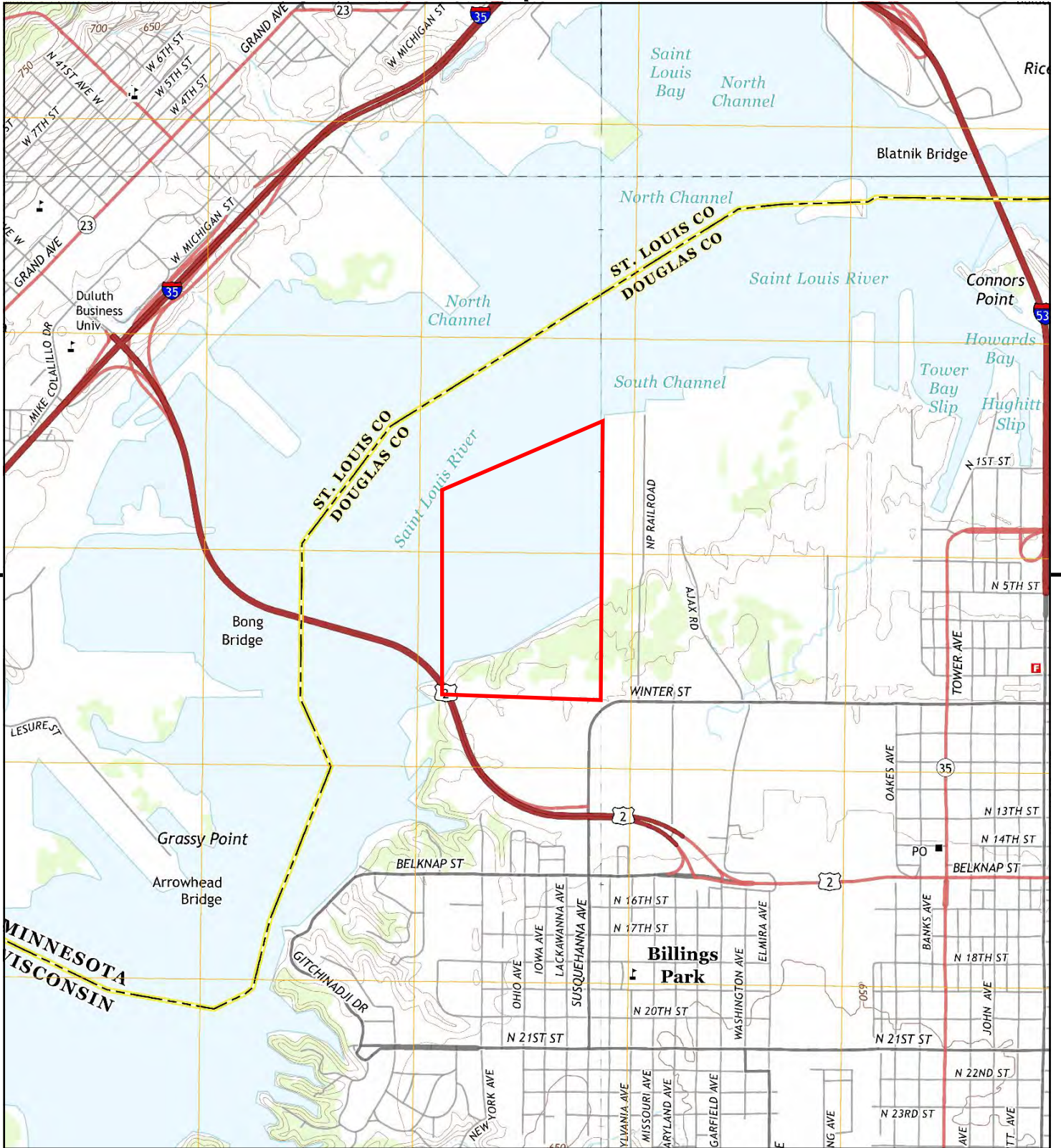
Superior  
1917  
15-minute, 62500

### 1915 Source Sheets

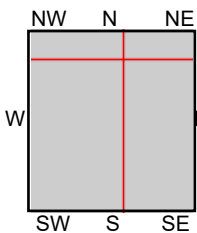


Superior  
1915  
15-minute, 48000





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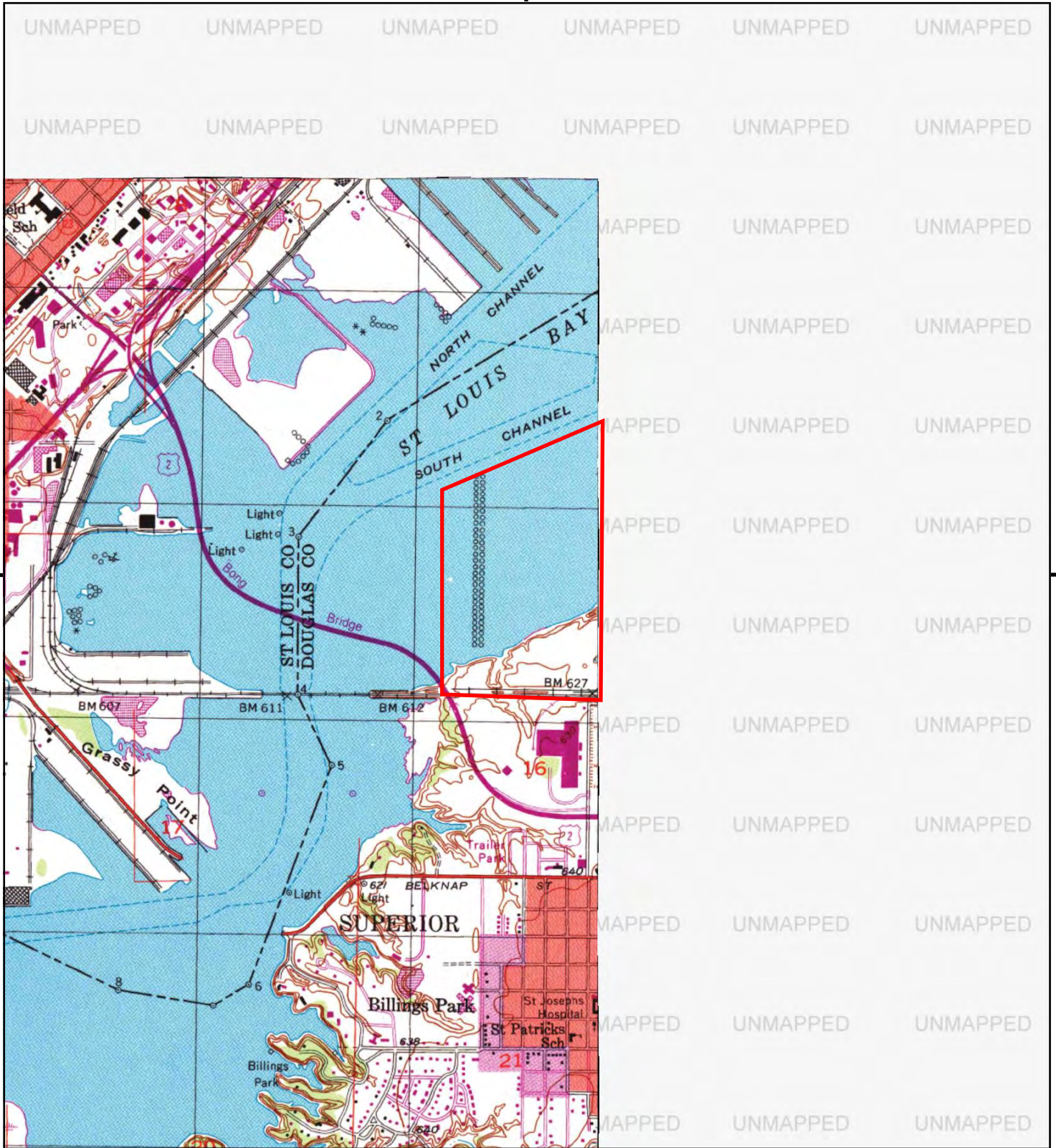


TP, West Duluth, 2013, 7.5-minute  
 NE, Duluth, 2013, 7.5-minute  
 SE, Superior, 2013, 7.5-minute  
 NW, Duluth Heights, 2013, 7.5-minute

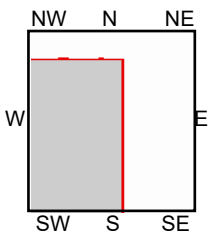
**SITE NAME:** Estuary Flats  
**ADDRESS:** Estuary Flats  
 Superior, WI 54880  
**CLIENT:** Sigma Env. Services, Inc.







This report includes information from the following map sheet(s).

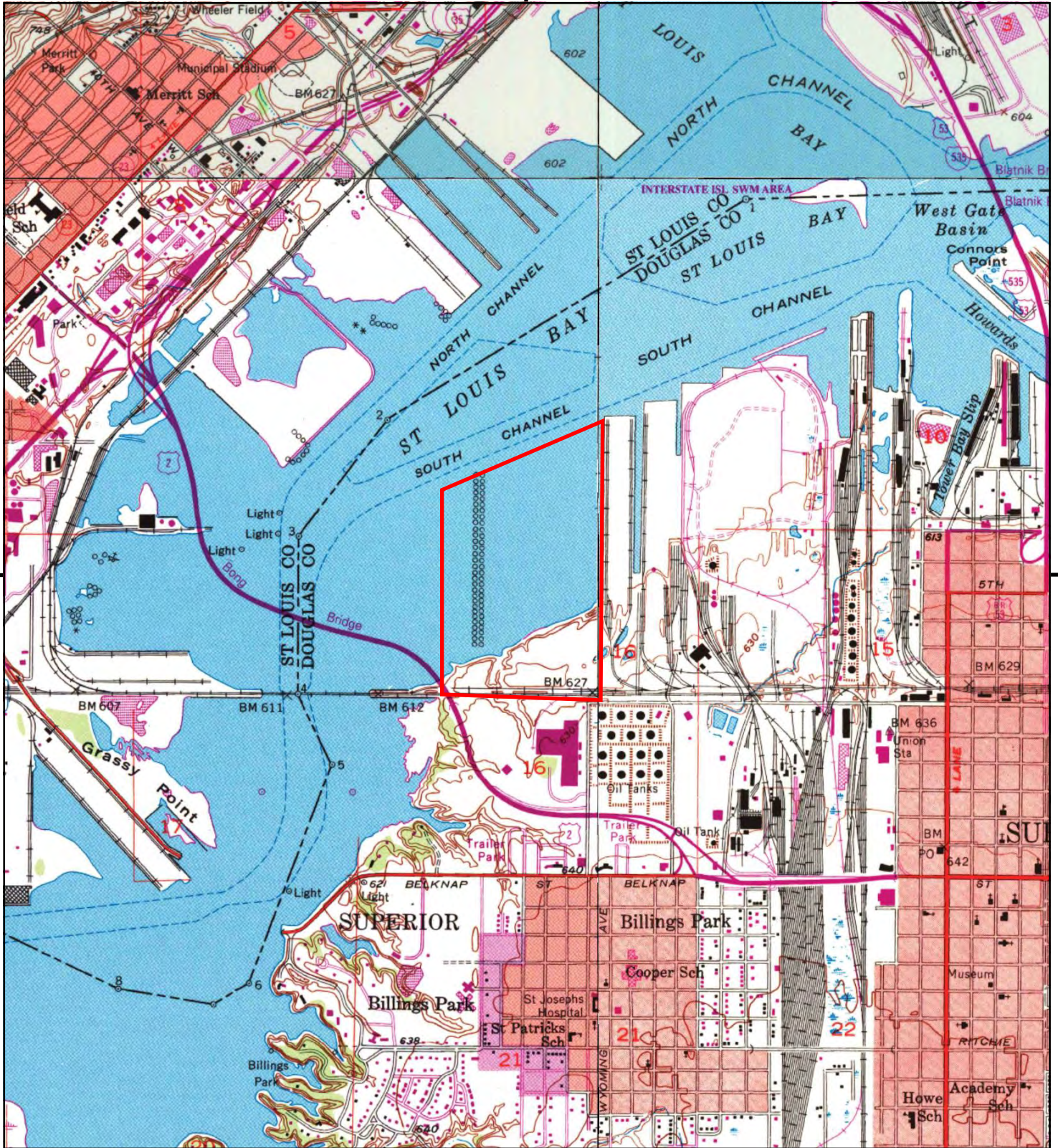


TP, West Duluth, 1997, 7.5-minute

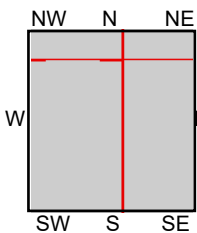
SITE NAME: Estuary Flats  
 ADDRESS: Estuary Flats  
 Superior, WI 54880  
 CLIENT: Sigma Env. Services, Inc.







This report includes information from the following map sheet(s).

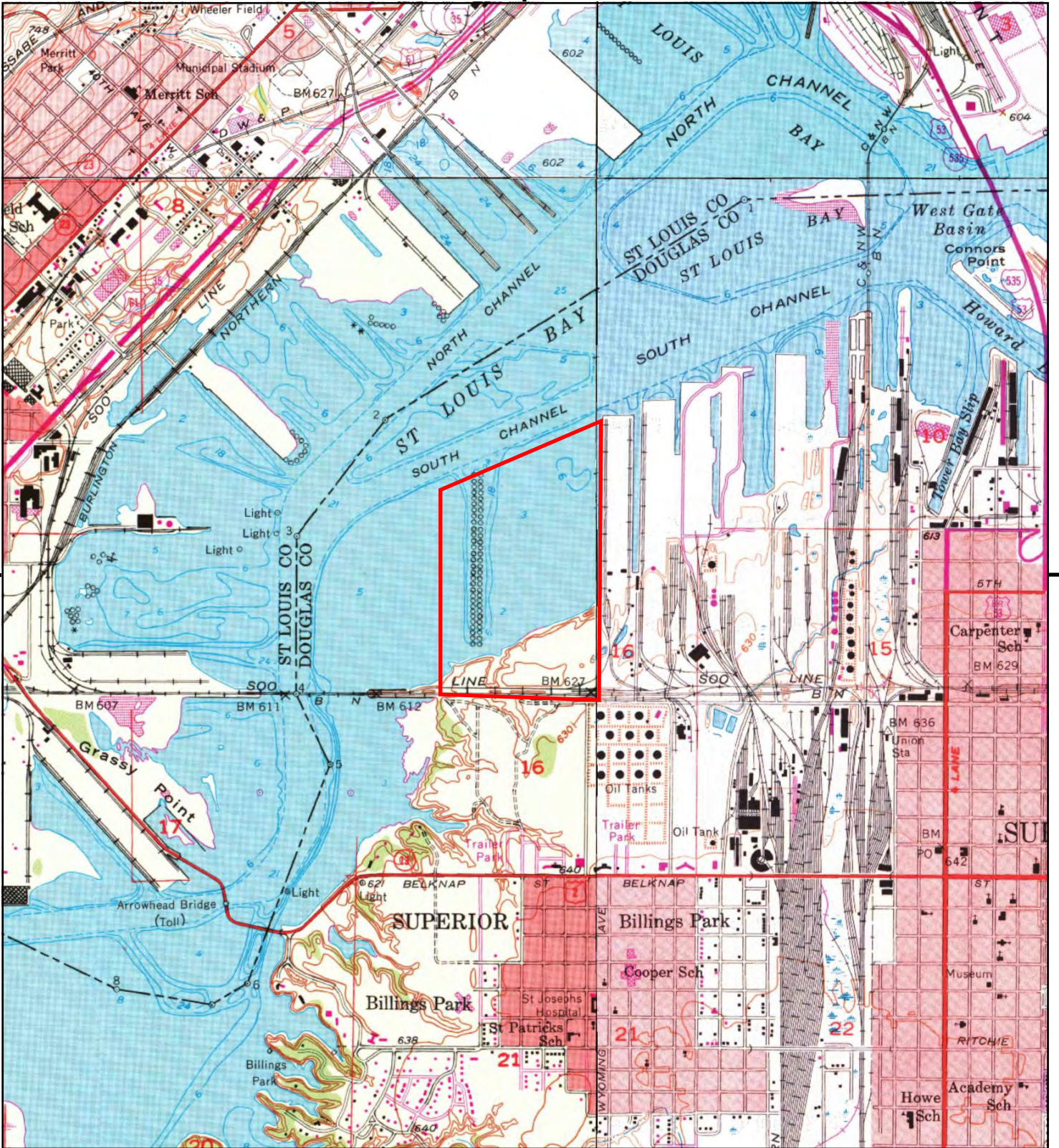


TP, West Duluth, 1993, 7.5-minute  
 NE, Duluth, 1993, 7.5-minute  
 SE, Superior, 1993, 7.5-minute  
 NW, Duluth Heights, 1993, 7.5-minute

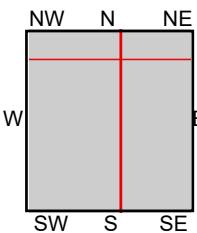
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 Superior, WI 54880  
 CLIENT: Sigma Env. Services, Inc.







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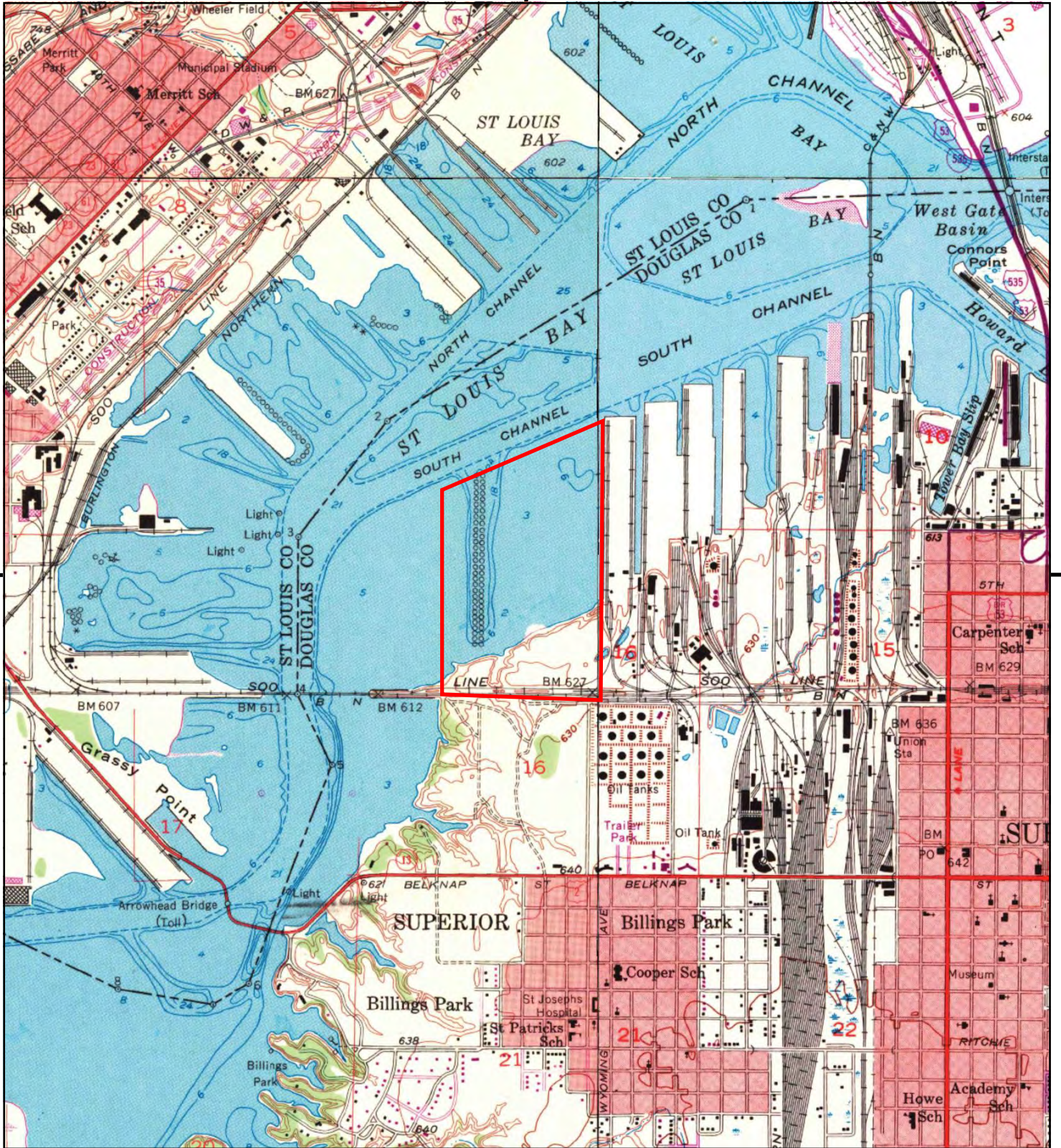


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 NE, Duluth, 1975, 7.5-minute  
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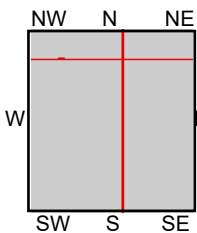
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 Superior, WI 54880  
 CLIENT: Sigma Env. Services, Inc.







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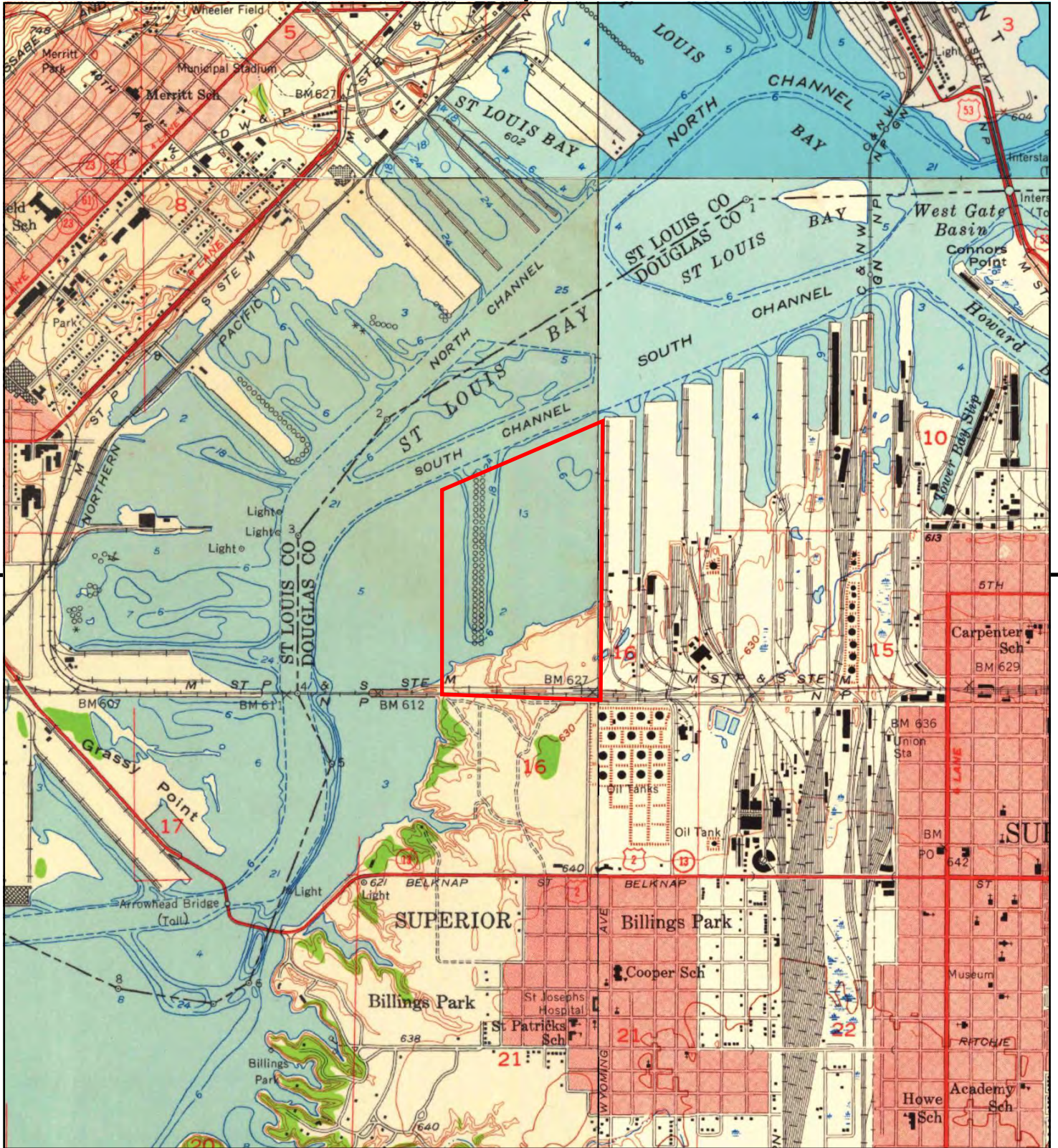


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 SE, Superior, 1969, 7.5-minute  
 NW, Duluth Heights, 1969, 7.5-minute

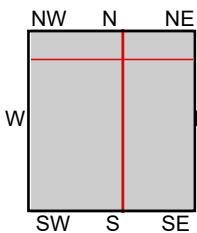
SITE NAME: Estuary Flats  
 ADDRESS: Estuary Flats  
 Superior, WI 54880  
 CLIENT: Sigma Env. Services, Inc.







This report includes information from the following map sheet(s).



- TP, West Duluth, 1954, 7.5-minute
- NE, Duluth, 1953, 7.5-minute
- SE, Superior, 1954, 7.5-minute
- NW, Duluth Heights, 1953, 7.5-minute

SITE NAME: Estuary Flats  
 ADDRESS: Estuary Flats  
 Superior, WI 54880  
 CLIENT: Sigma Env. Services, Inc.

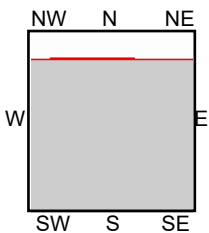
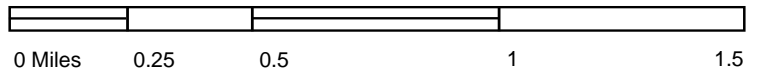




|          |          |          |          |          |          |
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| UNMAPPED | UNMAPPED | UNMAPPED | UNMAPPED | UNMAPPED | UNMAPPED |



This report includes information from the following map sheet(s).



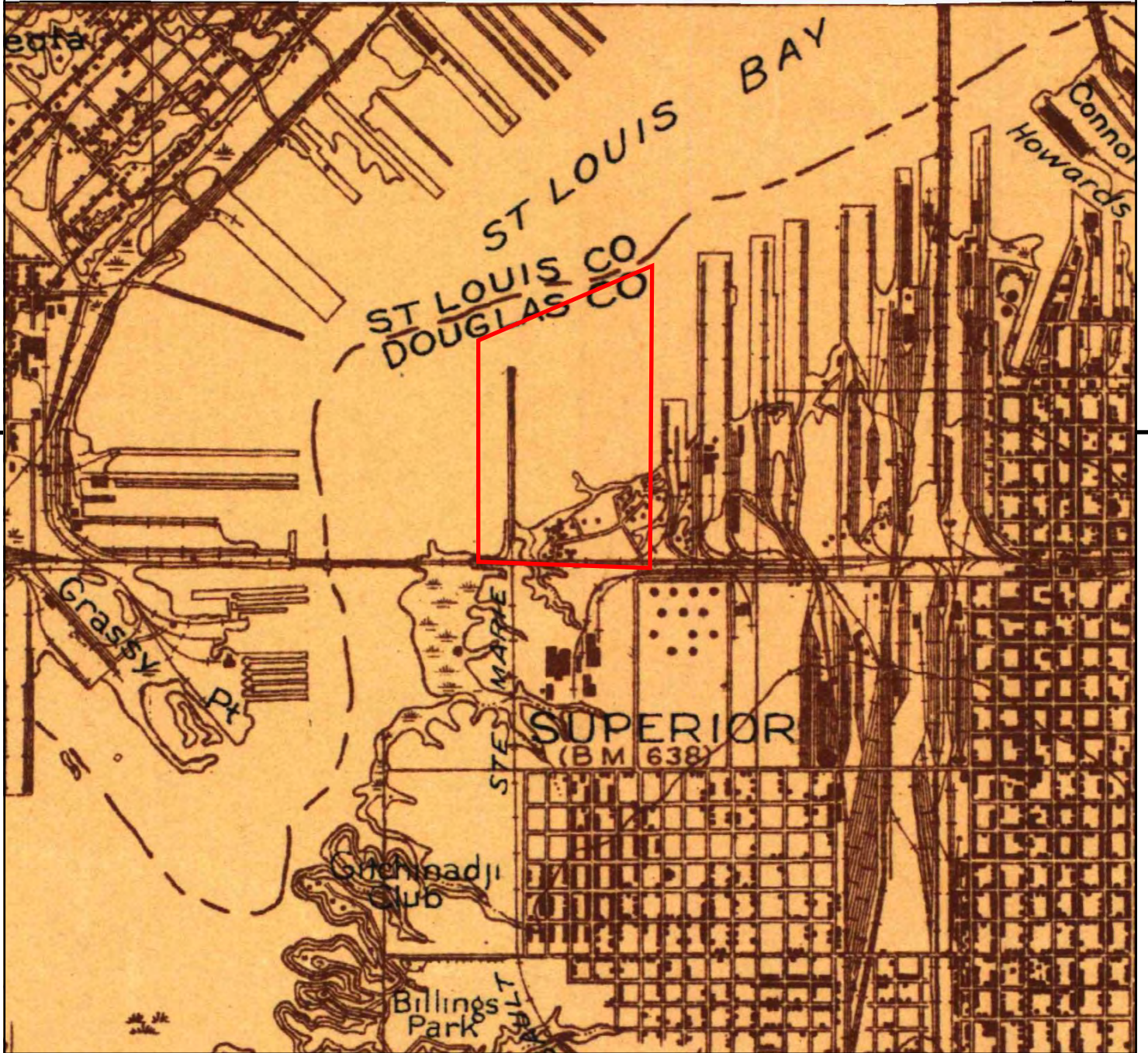
TP, Superior, 1917, 15-minute

SITE NAME: Estuary Flats  
 ADDRESS: Estuary Flats  
 Superior, WI 54880  
 CLIENT: Sigma Env. Services, Inc.

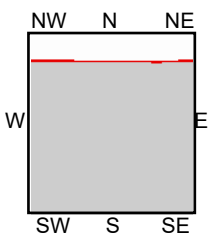
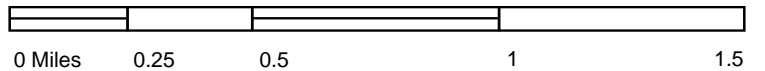




|          |          |          |          |          |          |
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| UNMAPPED | UNMAPPED | UNMAPPED | UNMAPPED | UNMAPPED | UNMAPPED |



This report includes information from the following map sheet(s).



TP, Superior, 1915, 15-minute

SITE NAME: Estuary Flats  
 ADDRESS: Estuary Flats  
 Superior, WI 54880  
 CLIENT: Sigma Env. Services, Inc.



## **APPENDIX C**

### Summary of Historical Features in Task Area

#### **FIGURES**

C.1 Historical Features Map

#### **TABLES**

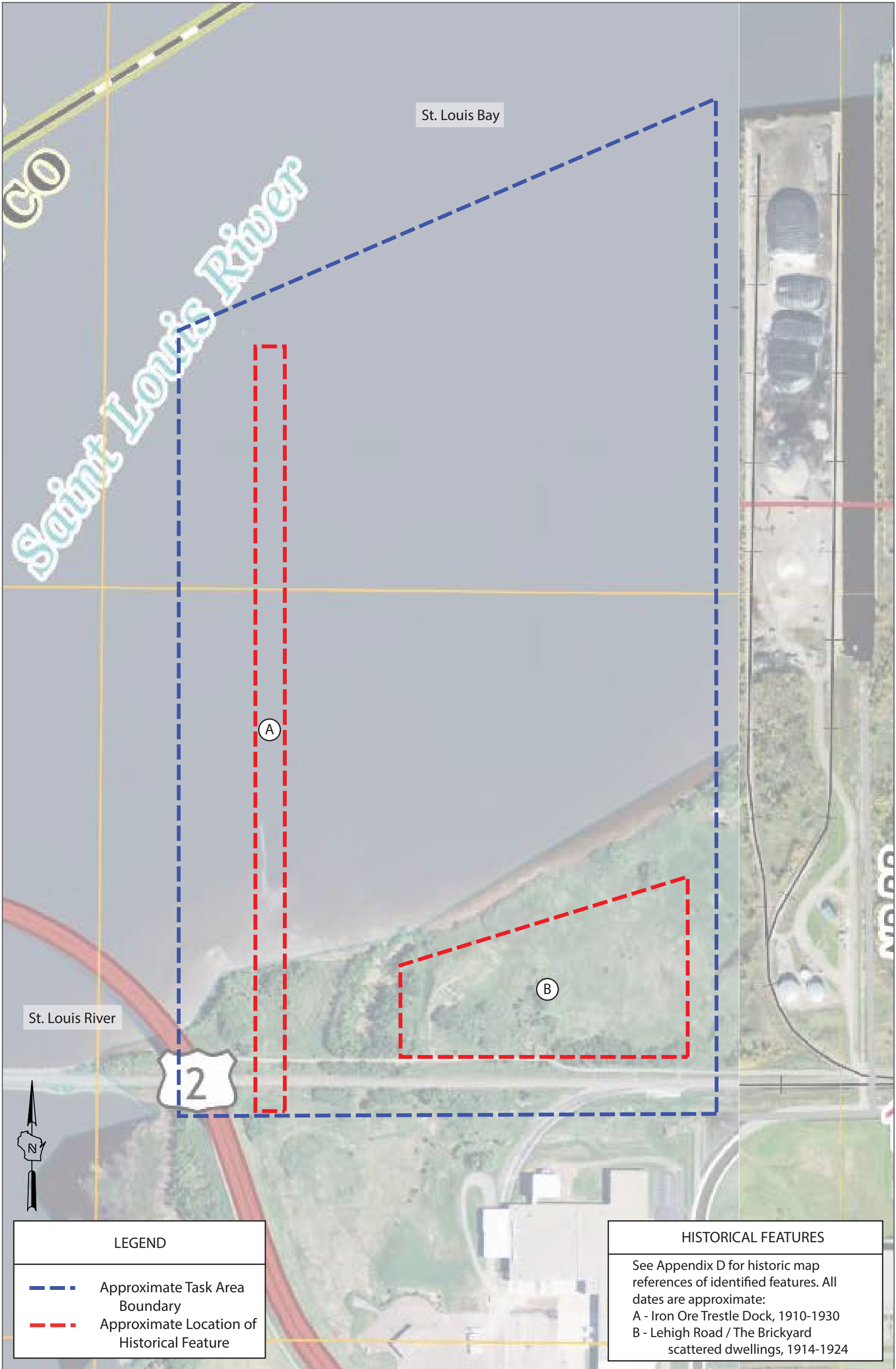
C.1 Topographic Maps

C.2 Plat/Harbor Maps

C.3 Thematic Maps

C.4 Aerial Photographs

C.5 Fire Insurance Maps



St. Louis Bay

Saint Louis River

St. Louis River

2

A

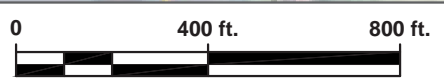
B

**LEGEND**

- - - Approximate Task Area Boundary
- - - Approximate Location of Historical Feature

**HISTORICAL FEATURES**

See Appendix D for historic map references of identified features. All dates are approximate:  
 A - Iron Ore Trestle Dock, 1910-1930  
 B - Lehigh Road / The Brickyard scattered dwellings, 1914-1924



**GRAPHIC SCALE**

Image Source: 2018 USGS Aerial Image, Superior, WI Quadrangle; 2013 USGS Aerial Image, West Duluth, MN Quadrangle



**HISTORIC FEATURES MAP**

**ESTUARY FLATS TASK AREA**

**FIGURE**

**C.1**

Project: 18328 | Directory: Figures | Filename: 18328\_Estuary\_Flats\_Fig\_3\_HFM.pdf | Created By: MSR | Date: 06/21/2019



**Table C.1 - Topographic Maps**

USGS topographic maps reviewed included the 15-minute Superior (1915 and 1917) and the 7.5-minute Superior, Duluth, Duluth Heights and West Duluth (1953, 1954, 1969, 1975, 1993, 1997, and 2013) maps. Copies of the topographic maps are included in **Appendix B**. Detail images from these maps, with the task areas outlined, can also be reviewed in the *Historic Maps Supplemental Volume*, prepared by Sigma in November 2019. Sigma identified the following historical structures in the topographic maps (the 2013 map does not depict buildings or structures):

| Figure 3 Map Designation | Structure          | Location  | First Map Year | Last Map Year                         |
|--------------------------|--------------------|---|----------------|---------------------------------------|
| A                        | Ore dock           | Water extending north roughly in line with New York Ave | 1915*          | 1917<br>(ruins depicted through 1997) |
| B                        | Possible buildings | Southeastern section of task area                       | 1915*          | 1917                                  |

\*First map depicting the area where the historical structure was located.

**Table C.2 - Plat/Harbor Maps**

Sigma reviewed plat and harbor maps within the task area provided by the Wisconsin Historical Society, United States Library of Congress and the National Oceanic and Atmospheric Administration (NOAA). Available maps included Land & River Company maps from 1887, 1889, 1890, 1894 and 1909; U.S. Army/War Department Corps of Engineers harbor maps from 1863, 1893, 1898, 1901, 1908, 1914, 1915, 1919, 1925, 1926, 1935, 1936, 1940, 1943, 1946, 1948, 1950, 1952, 1955, 1958, 1961, 1964, 1967, 1970, 1973, 1976, 1980, 1988, 1991, 1996, 1997, 2000, 2005, 2007 and 2014; and maps prepared by other entities in 1890, 1892, circa 1893, circa 1900, 1907, circa 1909, circa 1916, 1925 and 1929. A full list of reviewed maps is included in **Appendix D**. Detail images from these maps, with the task areas outlined, can be reviewed in the *Historic Maps Supplemental Volume*, prepared by Sigma in November 2019. Sigma identified the following historical structures in the plat and harbor maps:

| <b>Figure 3 Map Designation</b> | <b>Structure</b>  | <b>Ownership</b>  | <b>Location</b>   | <b>First Map Year</b> | <b>Last Map Year</b> |
|---------------------------------|-------------------|---|---|-----------------------|----------------------|
| A                               | Ore dock          | Minneapolis, St. Paul and Sault Ste. Marie / SOO Railroad | Water extending north roughly in line with New York Ave | 1914                  | 1929                 |
| A                               | Ruins of ore dock | --  | Water extending north roughly in line with New York Ave | 1935                  | 2014*                |

\*Last map depicting the area where the historical structure was located.



**Table C.3 - Thematic Maps**

Sigma reviewed thematic maps, which identified various points of interest, within the task area at the Wisconsin Historical Society located in Madison, Wisconsin and through the Wisconsin Historical Society and United States Library of Congress websites. Available maps included perspective maps from 1883, 1887, 1890, 1893, 1913, and circa 1915; an industrial tour map from 1934; and local tourist-type maps from circa 1909, circa 1916, 1932, 1951, 1966, 1970, 1978-1981 and 1989. A full list of reviewed maps is included in **Appendix D**. Detail images from these maps, with the task areas outlined, can be reviewed in the *Historic Maps Supplemental Volume*, prepared by Sigma in November 2019. Sigma identified the following historical structures in the thematic maps:

| <b>Figure 3 Map Designation</b> | <b>Structure</b>  | <b>Ownership</b> | <b>Location</b>   | <b>First Map Year</b> | <b>Last Map Year</b> |
|---------------------------------|-------------------|------------------|---|-----------------------|----------------------|
| A                               | Elevated ore dock | SOO Railroad     | Water extending north roughly in line with New York Ave | 1913                  | 1915                 |

**Table C.4 - Aerial Photographs**

Available aerial photographs of the task area, obtained from EDR, were dated 1938, 1948, 1952, 1958, 1970, 1975, 1986, 1992, 1997, 2006, 2010, 2013 and 2017. **Appendix F** includes copies of the photographs. Sigma did not identify any major development or historical buildings in the task area in the aerial photograph review.

### Table C.5 - Fire Insurance Maps

Sigma reviewed Certified Sanborn Fire Insurance maps depicting the task area, provided by EDR. EDR reported that Certified Sanborn map coverage in the task area was not available.

Sigma reviewed Sanborn maps available via the Library of Congress website for 1889, 1914, 1949, and 1955. Sigma also reviewed a fire insurance map prepared by the Rascher Insurance Map Publishing Company in 1892, provided by the Wisconsin Historical Society. The task area was not included in the 1889 map. Limited sections of the task area were depicted in the 189 and 1914 maps. The 1949 and 1955 map collections depicted the task area in overview/index maps but did not include detailed maps of the task area. **Appendix F** contains copies of the Certified Sanborn Map reports provided by EDR. Additional fire insurance maps from 1914 and earlier can be reviewed in the *Historic Maps Supplemental Volume*, prepared by Sigma in November 2019. Due to copyright, only some of the reviewed fire insurance maps are included in the volume. Sigma identified the following historical structures in the fire insurance maps:

| Figure 3 Map Designation | Structure                     | Ownership   | Location  | First Map Year | Last Map Year |
|--------------------------|-------------------------------|---|---|----------------|---------------|
| A                        | 82-foot-high trestle ore dock | Minneapolis, St. Paul and Sault Ste. Marie / SOO Railroad | Water extending north roughly in line with New York Ave | 1914           | 1914          |
| B                        | 20-30 scattered dwellings     | -   | Central portion of task area                            | 1914           | 1914          |

## **APPENDIX D**

### Listing of Reviewed Maps and Historical Documents

In addition to historical resources provided by EDR, Sigma also reviewed maps, reports, and other materials provided by the Wisconsin Historical Society, University of Wisconsin, state and federal government agencies, and local historical organizations. These resources, listed in order of publication, are described below.

### **Historic Harbor Maps**

Sigma reviewed harbor maps prepared by the U.S. Lake Survey, Army Corps of Engineers, and related entities, which were provided by the Wisconsin Historical Society (WHS) and National Oceanic and Atmospheric Administration (NOAA). These maps included the following:

- 1863\*: *Preliminary Chart of the West End of Fond du Lac of Lake Superior Embracing Superior, St. Louis and Allouez Bays and the St. Louis River to the Head of Navigation*, prepared by the Bureau of Topographical Engineers of the War Department, provided by NOAA
- 1893\*: *Map of the Harbors of Duluth, Minn. And Superior, Wis.*, prepared by the U.S. Army Corps of Engineers, provided by WHS
- 1898\*: *Map of the Harbor at Duluth, Minn., and Superior, Wis. Progress Sheet No. 1 and Easterly Portion of District No. 2*, prepared by the U.S. Army Corps of Engineers, provided by WHS
- 1901\*: *Chart of Harbor at Duluth, Minn. and Superior, Wis.*, prepared by the U.S. Army Corps of Engineers, provided by WHS
- 1908\*: *Chart of Harbor at Duluth, Minn. and Superior, Wis.*, prepared by the U.S. Army Corps of Engineers, provided by WHS
- 1914\*: *Chart of Harbor at Duluth, Minn. and Superior, Wis.*, prepared by the U.S. Army Corps of Engineers, provided by WHS
- 1915\*: *Chart of Harbor at Duluth, Minn. and Superior, Wis.*, prepared by the U.S. Army Corps of Engineers, provided by NOAA
- 1919\*: *Chart of Harbor at Duluth, Minn. and Superior, Wis.*, prepared by the U.S. Army Corps of Engineers, provided by NOAA
- 1925\*: *Duluth Superior Harbor, Minn. And Wis. Howard's Bay and Entrance to Tower Bay Slip*, prepared by the U.S. Army Corps of Engineers, provided by WHS
- 1926\*: *Chart of Harbor at Duluth, Minn. and Superior, Wis.*, prepared by the U.S. Army Corps of Engineers, provided by NOAA
- 1935\*: *Duluth-Superior Harbor*, prepared by the War Department Corps of Engineers, provided by NOAA
- 1936\*: *Duluth-Superior Harbor*, prepared by the War Department Corps of Engineers, provided by NOAA
- 1940\*: *Duluth-Superior Harbor*, prepared by the War Department Corps of Engineers, provided by NOAA
- 1943\*: *Duluth-Superior Harbor*, prepared by the War Department Corps of Engineers, provided by NOAA
- 1946\*: *Duluth-Superior Harbor*, prepared by the War Department Corps of Engineers, provided by NOAA
- 1948\*: *Duluth-Superior Harbor*, prepared by the U.S. Army Corps of Engineers, provided by NOAA

- 1950\*: *Duluth-Superior Harbor*, prepared by the U.S. Army Corps of Engineers, provided by NOAA
- 1952\*: *Duluth-Superior Harbor*, prepared by the U.S. Army Corps of Engineers, provided by NOAA
- 1955\*: *Duluth-Superior Harbor*, prepared by the U.S. Army Corps of Engineers, provided by NOAA
- 1958\*: *Duluth-Superior Harbor*, prepared by the U.S. Army Corps of Engineers, provided by NOAA
- 1961\*: *Duluth-Superior Harbor*, prepared by the U.S. Army Corps of Engineers, provided by NOAA
- 1964\*: *Duluth-Superior Harbor*, prepared by the U.S. Army Corps of Engineers, provided by NOAA
- 1967\*: *Duluth-Superior Harbor*, prepared by the U.S. Army Corps of Engineers, provided by NOAA
- 1970\*: *Duluth-Superior Harbor*, prepared by the U.S. Army Corps of Engineers, provided by NOAA
- 1973\*: *Duluth-Superior Harbor*, prepared by the U.S. Army Corps of Engineers, provided by NOAA
- 1976\*: *Duluth-Superior Harbor*, prepared by NOAA, provided by NOAA
- 1980\*: *Duluth-Superior Harbor* prepared by NOAA, provided by NOAA
- 1988\*: *Duluth-Superior Harbor*, prepared by NOAA, provided by NOAA
- 1991\*: *Duluth-Superior Harbor* prepared by NOAA, provided by NOAA
- 1996\*: *Duluth-Superior Harbor*, prepared by NOAA, provided by NOAA
- 1997\*: *Duluth-Superior Harbor*, prepared by NOAA, provided by NOAA
- 2000\*: *Duluth-Superior Harbor*, prepared by NOAA, provided by NOAA
- 2005\*: *Duluth-Superior Harbor*, prepared by NOAA, provided by NOAA
- 2007\*: *Duluth-Superior Harbor*, prepared by the National Ocean Service, Coast Survey, Corps of Engineers, Geological Survey, and U.S. Coast Guard, provided by NOAA
- 2014\*: *Duluth-Superior Harbor*, prepared by the National Ocean Service, Coast Survey, Corps of Engineers, Geological Survey, and U.S. Coast Guard, provided by NOAA

\*Detail images of these maps, with the five task areas outlined, are included in the document *Historic Records Screening Report: Historic Maps Supplemental Volume*, submitted to the WDNR in November 2019.

### **Land & River Improvement Company Maps**

The Land & River Improvement Company, established in 1883, purchased over 4,000 acres of land in Superior, which was gradually sold off. The Land & River Improvement Company produced several plat maps of Superior during this time. These maps were reviewed via the Wisconsin Historical Society website, with the exception of the 1909 map, which was reviewed at the Wisconsin Historical Society archives in Madison, Wisconsin.

Undated\*: *Map of West Superior, Wisconsin*, prepared by the Land & River Improvement Company (Based on map features, this map was likely produced between 1883 and 1887)

1887\*: *Map of West Superior, Wisconsin*, prepared by the Land & River Improvement Company

1889\*: *Map of West Superior, Wisconsin*, prepared by the Land & River Improvement Company

1890\*: *Map of West Superior, Wisconsin*, prepared by the Land & River Improvement Company

1894\*: *Map of West Superior, Wisconsin*, prepared by the Land & River Improvement Company

1909\*: *Map of Superior, Wisconsin and Vicinity*, prepared by the Land and River Co., Reorganized

\*Detail images of these maps, with the five task areas outlined, are included in the document *Historic Records Screening Report: Historic Maps Supplemental Volume*, submitted to the WDNR in November 2019.

## Plat-Style Maps

Several parties, including real estate firms and the City Engineer for Superior, prepared detailed maps of the city, which were accessed via the Wisconsin Historical Society website and the Wisconsin Historical Society archives in Madison, Wisconsin:

1890\*: *Map of the City of Superior, Douglas County, Wisconsin*, prepared by Bedford Brothers Real Estate, 625 Tower Avenue West Superior, WI

1892\*: *Strands Sectional Map of the City of Superior and Vicinity: Douglas Co., Wis.*, prepared by M.A. Strand, Civil Engineer and Surveyor, Thompson Ave between 4<sup>th</sup> and 5<sup>th</sup> Street, Superior, WI

Circa 1900\*: *Map of the City of Superior, Douglas County, Wisconsin*, prepared by an unknown author (Due to the uncertainty of date and authorship, this map was used as a secondary resource)

1907\*: *Ernest A. Arnold Land Co.'s Sectional Map of Superior & Vicinity Douglas County Wisconsin*, produced by the Ernest A. Arnold Land Co., 10 Watkins Block, Superior, WI

Circa 1909\*: *T.W. Wahl's Map of the Head of Lake Superior*, prepared by Thomas W. Wahl, Duluth, MN

Circa 1916\*: *Superior, Wisconsin*, prepared by George Foster Kelly, 1<sup>st</sup> National Bank Building, Superior, WI

1925\*: *Map of the City of Superior*, prepared by E.B. Banks, City Engineer

1929\*: *Map of the City of Superior*, prepared by E.B. Banks, City Engineer

\*Detail images of these maps, with the five task areas outlined, are included in the document *Historic Records Screening Report: Historic Maps Supplemental Volume*, submitted to the WDNR in November 2019.



## **Perspective Maps**

Also known as bird's eye maps, perspective maps are a style of thematic map showing an aerial view of an area. Sigma reviewed the following perspective maps through the Wisconsin Historical Society (WHS) and U.S. Library of Congress (LOC) websites:

1883\*: *Bird's Eye View of Superior, Wisconsin, County Seat of Douglas County*, prepared by J.J. Stoner, Madison, WI, provided by LOC

1887\*: *Perspective Map of West Superior, Wisconsin*, prepared by A.L. Langellier, Duluth & West Superior, provided by LOC

1890\*: *Bird's-Eye View of West Superior and Superior, Wisconsin*, prepared by Frank Leslie's Illustrated Newspaper, New York, provided by WHS

1893\*: *Birds Eye View of Superior*, prepared by Charles Lagro, provided by WHS

1893\*: *Perspective Map of the City of Superior, Wisconsin*, prepared by American Publishing Co., Milwaukee, WI, provided by LOC

1913\*: *Bird's Eye View, Superior, Wisconsin, "the New Steel Center"*, prepared by the Bradley-Brink Co., provided by WHS

Circa 1915\*: *The Twin Ports*, prepared by Northern Scenic Publishing Company (According to the Wisconsin Historical Society, this map was originally published in 1910, but was revised and republished in 1915), provided by WHS

\*Detail images of these maps, with the five task areas outlined, are included in the document *Historic Records Screening Report: Historic Maps Supplemental Volume*, submitted to the WDNR in November 2019.

## Thematic Maps

Local tourist-type maps depicting features of interest were reviewed via the Wisconsin Historical Society website and at the Wisconsin Historical Society archives in Madison, Wisconsin:

Circa 1909\*: *Map of Duluth Minnesota and Superior Wisconsin Showing Lines of the Duluth Street Railway Company*, produced by the Duluth Street Railway Company

Circa 1911\*: *Duluth and Superior, The Great Cities at the Head of the Great Lakes*, produced by the Duluth Street Railway Company

1932\*: *Map of Superior Wisconsin Showing Main Roads and a Few Points of Interest*, prepared by I.W. Dutcher

1934\*: *Twenty Five Miles of Industrial Tour Wholly Within the City Limits of Superior Wisconsin*, prepared by the Superior Association of Commerce

1951\*: *Map of the City of Superior, Traveled Streets*, author unknown

1966\*: *Map of the City of Superior, Traveled Streets*, author unknown

1970\*: *Map of the City of Superior, Traveled Streets*, author unknown

Circa 1978-1981\*: *It's Superior, Superior, Wisconsin* map, produced by the Superior Chamber of Commerce

1989\*: *Duluth - Superior Harbor, Existing Land Use and Major Features* map, produced by the Metropolitan Interstate Committee

\*Detail images of these maps, with the five task areas outlined, are included in the document *Historic Records Screening Report: Historic Maps Supplemental Volume*, submitted to the WDNR in November 2019.

## Fire Insurance Maps

Fire Insurance maps are detailed maps which were produced in the 1800s and 1900s. Each map volume consists of a numbered series of detailed map sheets, typically on a scale of 100 feet to one inch, and an index map, which shows the locations of the map sheets on an area map. The Sanborn Fire Insurance Map collection is owned by EDR and is under copyright. Certified Sanborn Fire Insurance Map reports, prepared by EDR, can be reviewed in the appendices to each task area historic records screen report. Sanborn Fire Insurance Maps for 1889, 1914, 1949 and 1955 are also available on the United States Library of Congress website. The following table denotes the sheet numbers for maps of the task areas which can be viewed on the Library of Congress website:

| Year | Task Areas     |                               |                     |   |                      |
|------|----------------|-------------------------------|---------------------|---|----------------------|
|      | Estuary Flats  | Winter Street North           | Winter Street South | Tower Avenue                              | Gas Plant            |
| 1889 | -              | Index, Sheets 2, 3            | -                   | Index, Sheets 2, 3, 4, 5, 6, 7            | Index, Sheet 17      |
| 1914 | Index, Sheet 1 | Index, Sheets 3, 4, 5, 6      | Index, Sheets 1, 47 | Index, Sheets 5, 6, 7, 13, 14, 19, 20, 21 | Index, Sheets 12, 76 |
| 1949 | Index          | Index, Sheets 3, 4, 5, 6, 109 | Index, Sheet 47     | Index, Sheets 5, 6, 7, 13, 14, 19, 20, 1  | Index, Sheets 12, 76 |
| 1955 | Index          | Index, Sheets 1, 3, 4, 5, 17  | Index, Sheet 31     | Index, Sheets 3, 10, 13, 14 19 20, 21     | Index, Sheets 12, 76 |

After discussions with EDR, it is our understanding that maps produced more than 100 years old may be used in a limited manner. Therefore, Sigma has included images from the following fire insurance maps, with the five task areas outlined, in the document *Historic Records Screening Report: Historic Maps Supplemental Volume*, submitted to the WDNR in November 2019:

- 1889: *Superior, Douglas County, Wisconsin*, prepared by the Sanborn Map & Publishing Co., Limited, provided by the U.S. Library of Congress: Index Map only
- 1892, *Atlas of Superior, Including East Superior, St. Louis and South Superior, Wisconsin*, prepared by the Rascher Insurance Map Publishing Co., provided by the Wisconsin Historical Society: Index Maps and Sheets 3-14, 17-18, 27-28 and 56
- 1914: *Superior, Douglas County, Wisconsin*, prepared by the Sanborn Map & Publishing Co., Limited, provided by the U.S. Library of Congress: Index Map only

## **USGS Topographical Maps**

The United States Geological Survey (USGS) has been responsible for mapping the United States since 1879. Historically, USGS topographical maps have depicted major land and water features, landmark buildings and facilities, general land use, and topography for a given area. In addition to topographical maps provided by EDR, Sigma identified topographical maps depicting the Superior area between 1915 and 2019. The five task areas span two USGS 7.5-minute quadrangles. The West Duluth, MN Quadrangle includes the Estuary Flats task area and the western portion of the Winter Street South task area, while the Superior, WI Quadrangle includes the rest of the task areas. Detail images of the following maps, with the five task areas outlined, are included in the document *Historic Records Screening Report: Historic Maps Supplemental Volume*, submitted to the WDNR in November 2019:

- 1915: *Wisconsin-Minnesota Superior Quadrangle*, 1:48,000 scale, produced and provided by the USGS
- 1917: *Wisconsin-Minnesota Superior Quadrangle*, 1:62,500 scale, produced and provided by the USGS
- 1954: *Superior Quadrangle, Wisconsin-Minnesota*, 1:24,000 scale, produced and provided by the USGS
- 1954: *West Duluth Quadrangle, Minnesota-Wisconsin*, 1:24,000 scale, produced and provided by the USGS
- 1969: *Superior, Wis.-Minn.*, 1:24,000 scale, produced by the USGS, provided by the University of Wisconsin Robinson Map Library digital collection
- 1969: *West Duluth, Wis.-Minn.*, 1:24,000 scale, produced by the USGS, provided by the University of Wisconsin Robinson Map Library digital collection
- 1975: *Superior, Wis.-Minn.*, 1:24,000 scale, produced by the USGS, provided by the University of Wisconsin Robinson Map Library digital collection
- 1975: *West Duluth, Minn.-Wis.*, 1:24,000 scale, produced by the USGS, provided by the University of Wisconsin Robinson Map Library digital collection
- 1983: *Superior, Wis.-Minn.*, 1:24,000 scale, produced by the USGS, provided by the University of Wisconsin Robinson Map Library digital collection
- 1983: *West Duluth, Minn.-Wis.*, 1:24,000 scale, produced by the USGS, provided by the University of Wisconsin Robinson Map Library digital collection
- 1993: *Superior, Wis.-Minn.*, 1:24,000 scale, produced by the USGS, provided by the University of Wisconsin Robinson Map Library digital collection
- 1993: *West Duluth, Minn.-Wis.*, 1:24,000 scale, produced by the USGS, provided by the University of Wisconsin Robinson Map Library digital collection
- 1997: *West Duluth, MN-WI*, 1:24,000 scale, produced and provided by the USGS
- 2013: *Superior, WI-MN*, 1:24,000 scale, produced and provided by the USGS
- 2013: *West Duluth, MN-WI*, 1:24,000 scale, produced and provided by the USGS
- 2018: *Superior, WI, MN*, 1:24,000 scale, produced and provided by the USGS
- 2019: *West Duluth, MN, WI*, 1:24,000 scale, produced and provided by the USGS

## City Directories

Originally a list of residents, city directories provide the name of resident or business and the type of business (if unclear) in a business index, a resident index and a street index. Sigma reviewed city directories available in the Superior Public Library Area Research Center:

- 1924: *Superior City Directory*, published by R. L. Polk & Co., Superior, WI
- 1937: *Polk's Superior (Douglas County, Wis.) City Directory*, published by R. L. Polk & Co., St. Paul, MN
- 1940: *Polk's Superior (Douglas County, Wis.) City Directory*, published by R. L. Polk & Co., St. Paul, MN
- 1943: *Polk's Superior (Douglas County, Wis.) City Directory*, published by R. L. Polk & Co., St. Paul, MN
- 1946: *Polk's Superior (Douglas County, Wis.) City Directory*, published by R. L. Polk & Co., St. Paul, MN
- 1957-1958: *Polk's Superior (Douglas County, Wis.) City Directory*, published by R. L. Polk & Co., St. Paul, MN
- 1959: *Polk's Superior (Douglas County, Wis.) City Directory*, published by R. L. Polk & Co., St. Paul, MN
- 1961: *Polk's Superior (Douglas County, Wis.) City Directory*, published by R. L. Polk & Co., St. Paul, MN
- 1991: *Superior, Wisconsin City Directory*, published by Polk, Kansas City, MO

## Marine Directories

Great Lakes marine directories provide the names of businesses and vessels involved in the shipping industry of the Great Lakes. Sigma reviewed the following marine directories available through the Lake Superior Maritime Collection at the Jim Dan Hill Library, UW-Superior:

- 1891: R. L. Polk & Co.'s Marine Directory of the Great Lakes, published by R. L. Polk & Co., Detroit, MI
- 1901: *Beeson's Marine Directory of the Northwestern Lakes*, published by Harvey C. Beeson, Chicago, IL
- 1902: *Beeson's Marine Directory of the Northwestern Lakes*, published by Harvey C. Beeson, Chicago, IL
- 1904: *Louisiana Purchase Exposition Edition of Beeson's Marine Directory of the Northwestern Lakes*, published by The Beeson-Payne Co., Chicago, IL
- 1909: *Beeson's Marine Directory of the Northwestern Lakes*, published by The Beeson-Payne Co., Chicago, IL
- 1910: *Beeson's Marine Directory of the Northwestern Lakes*, published by Harvey C. Beeson, Chicago, IL
- 1917: *Beeson's Marine Directory of the Northwestern Lakes*, published by Harvey C. Beeson, Chicago, IL
- 1924: *Green's Marine Directory of the Great Lakes*, published by The Green Marine Directory of the Great Lakes Co., Cleveland, OH
- 1929: *Green's Marine Directory of the Great Lakes*, published by The Green Marine Directory of the Great Lakes Co., Cleveland, OH
- 1936: *Green's Marine Directory of the Great Lakes*, published by The Green Marine Directory of the Great Lakes Co., Cleveland, OH
- 1940: *Green's Marine Directory of the Great Lakes*, published by The Green Marine Directory of the Great Lakes Co., Cleveland, OH
- 1943: *Green's Great Lakes Directory*, published by Fred W. Green, Lakewood, OH
- 1945: *Green's Great Lakes Directory*, published by Fred W. Green, Lakewood, OH
- 1946: *Green's Great Lakes Directory*, published by Fred W. Green, North Olmsted, OH
- 1947: *Green's Great Lakes Directory*, published by Fred W. Green, North Olmsted, OH
- 1951: *Green's Great Lakes Directory*, published by M. E. Green, North Olmsted, OH
- 1956: *Green's Great Lakes Directory*, published by M. E. Green, North Olmsted, OH
- 1962: *Green's Great Lakes and Seaway Directory, Inc.* published by Green's Great Lakes and Seaway Directory, Inc., North Olmsted, OH

## Local Newspapers

Historical newspaper clippings were reviewed through the Superior Public Library Area Research Center and the Lake Superior Maritime Collection at the Jim Dan Hill Library, UW-Superior. Newspaper clippings are referenced in the report body. Sigma also reviewed the following newspaper clipping compilations and special editions:

Undated: *Superior Telegram Steel Plant Number*, published by the Superior Telegram circa 1911-1912

January 1, 1916: *The Superior Telegram 1915 Annual Review*, published by the Superior Telegram

January 9, 1917: *The Superior Telegram 1916 Annual Review*, published by the Superior Telegram

January 8, 1918: *The Superior Telegram 1917 Annual Review*, published by the Superior Telegram

February 20, 1919: *The Superior Telegram 1918 Annual Review*, published by the Superior Telegram

March 30, 1929: *The Evening Telegram 40<sup>th</sup> Anniversary Edition*, published by the Evening Telegram

1940: *History of Fires of Superior, Wisconsin: 1860-1900*, compiled by the Works Progress Administration for the Superior Public Library

1940: *History of Railroads of Superior, Wisconsin, Volume 1: 1860-1890*, compiled by the Works Progress Administration for the Superior Public Library

1940: *History of Railroads of Superior, Wisconsin, Volume 2: 1891-1900*, compiled by the Works Progress Administration for the Superior Public Library

1941: *History of Industries of Superior, Wisconsin: 1870-1900*, compiled by the Works Progress Administration for the Superior Public Library

1941: *History of Transportation: Ferries, Overland Travel & Street Railway of Superior, Wisconsin: 1860-1901*, compiled by the Works Progress Administration for the Superior Public Library

## Local Histories

Sigma reviewed several books and reports describing the history of Duluth-Superior:

Undated (circa 1989): *From the Foot of Water Street: The History of Superior Water, Light and Power Company, 1889-1989*, by Bill Beck on behalf of the Superior Water, Light & Power Company, Duluth, MN

2004: *Pride of the Inland Seas: An Illustrated History of the Port of Duluth-Superior*, by Bill Beck and edited by Michele Hodgson on behalf of the Port of Duluth-Superior

2014: *Twin Ports by Trolley: The Streetcar Era in Duluth-Superior*, by Aaron Isaacs, 2017: University of Minnesota Press, Minneapolis, MN

*World War Shipbuilding in Duluth and Superior*, by Gerald Sandvick, Arcadia Publishing, Charleston, SC

2019: *Port Directory* webpage, Duluth Seaway Port Authority website: [www.duluthport.com/port-services.php](http://www.duluthport.com/port-services.php)

### **Local Government Publications**

Beginning in 1890, the city statistician of Superior issued a series of annual reports which described major developments from the past year. Sigma reviewed three of these reports:

- 1890: *The Eye of the Northwest – First Annual Report of the Statistician of Superior, Wisconsin*, prepared by Frank A. Flower, City Statistician
- 1892: *Report of the City Statistician for 1892, Superior, Wisconsin*, prepared by Richmond Rochester, City Statistician, edited by Frank A. Flower
- 1902: *The Superior Annual Review of the Year 1902*, prepared by H. C. Stivers, City Statistician

### **U.S. Army Corps of Engineers Lake/Port Series Reports**

The Lake Series and Port Series Reports are documents prepared by the U.S. Army Corps of Engineers, summarizing port and harbor facilities, as well as harbor and channel improvements by the federal government and local interests for major U.S. ports for a given year. Sigma reviewed the following reports through the Lake Superior Maritime Collection, located in the Jim Dan Hill Library of UW-Superior, unless otherwise indicated:

- 1932: *Lake Series No. 6: The Port of Duluth-Superior, Minn. and Wis.*, prepared by the Board of Engineers for Rivers and Harbors, War Department in cooperation with Bureau of Operations, United States Shipping Board
- 1939: *Lake Series No. 6: The Port of Duluth-Superior, Minn. and Wis.*, prepared by the Board of Engineers for Rivers and Harbors, War Department
- 1961: *Port Series No. 49, Part 2: The Ports of Duluth-Superior, Minn. and Wis., Two Harbors, Minn., and Ashland, Wis.*, prepared by the Board of Engineers for Rivers and Harbors
- 1974: *Port Series No. 49, Part 2: The Ports of Duluth, Minn. and Superior, Wis., Taconite Harbor, Silver Bay, and Two Harbors, Minn., and Ashland, Wis.*, prepared by the Board of Engineers for Rivers and Harbors
- 1987: *Port Series No. 49, Part 2: The Ports of Duluth, Minn. and Superior, Wis., Taconite Harbor, Silver Bay, and Two Harbors, Minn., and Ashland, Wis.*, prepared by the Board of Engineers for Rivers and Harbors
- 2006\*: *Port Series No. 49: The Ports of Duluth, MN; Superior, WI; Taconite Harbor, Silver Bay, and Two Harbors, MN; and Ashland, WI*, prepared by the U.S. Army Corps of Engineers. Accessed through the U.S. Army Corps of Engineers digital library:

<https://usace.contentdm.oclc.org/digital/collection/p16021coll2/id/3239>

\*While published in 2006, the surveys used in this report were completed in 1999.



### **Other U.S. Army Corps of Engineers Documents**

Sigma also reviewed miscellaneous U.S. Army Corps of Engineers documents available through the Lake Superior Maritime Collection, located in the Jim Dan Hill Library of UW-Superior. These documents included the following:

- 1935: *Dredging Data Covering Zenith Dredge Company's Contract*, prepared by A.K.L. Lyman, Lieutenant Colonel, U.S. Army Corps of Engineers
- 1940: *History of Duluth-Superior Harbor*, prepared by V.G. Erickson, R.S. Knowlton and R.J. Tanner, for the U.S. Army Corps of Engineers
- 1976: *Duluth-Superior Harbor Cultural Resources Study*, prepared by David A. Walker and Stephen P. Hall of the Archeology Department, FHA Division, Minnesota Historical Society, and authorized by the U.S. Army Corps of Engineers. The Cultural Resources Data Sheets associated with this report were also used extensively.

**APPENDIX E**

EDR Aerial Photograph Report



## **Estuary Flats**

Estuary Flats

Superior, WI 54880

Inquiry Number: 5591154.8

March 15, 2019

# The EDR Aerial Photo Decade Package



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

# EDR Aerial Photo Decade Package

03/15/19

**Site Name:**

Estuary Flats  
Estuary Flats  
Superior, WI 54880  
EDR Inquiry # 5591154.8

**Client Name:**

Sigma Env. Services, Inc.  
1300 W. Canal Street  
Milwaukee, WI 53233  
Contact: Dale Palkowski



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

## Search Results:

| <u>Year</u> | <u>Scale</u> | <u>Details</u>                  | <u>Source</u> |
|-------------|--------------|---------------------------------|---------------|
| 2017        | 1"=500'      | Flight Year: 2017               | USDA/NAIP     |
| 2013        | 1"=500'      | Flight Year: 2013               | USDA/NAIP     |
| 2010        | 1"=500'      | Flight Year: 2010               | USDA/NAIP     |
| 2006        | 1"=500'      | Flight Year: 2006               | USDA/NAIP     |
| 1997        | 1"=500'      | Acquisition Date: July 17, 1997 | USGS/DOQQ     |
| 1992        | 1"=500'      | Flight Date: May 11, 1992       | NAPP          |
| 1986        | 1"=500'      | Flight Date: July 03, 1986      | USDA          |
| 1975        | 1"=500'      | Flight Date: August 07, 1975    | USGS          |
| 1970        | 1"=500'      | Flight Date: August 24, 1970    | USGS          |
| 1958        | 1"=500'      | Flight Date: June 06, 1958      | CSS           |
| 1952        | 1"=500'      | Flight Date: May 02, 1952       | USGS          |
| 1948        | 1"=500'      | Flight Date: September 01, 1948 | FS            |
| 1938        | 1"=500'      | Flight Date: August 05, 1938    | AAA           |

**When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.**

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INQUIRY #: 5591154.8

YEAR: 2017

—= 500'







INQUIRY #: 5591154.8

YEAR: 2013

— = 500'







INQUIRY #: 5591154.8

YEAR: 2010

— = 500'





INQUIRY #: 5591154.8

YEAR: 2006

— = 500'





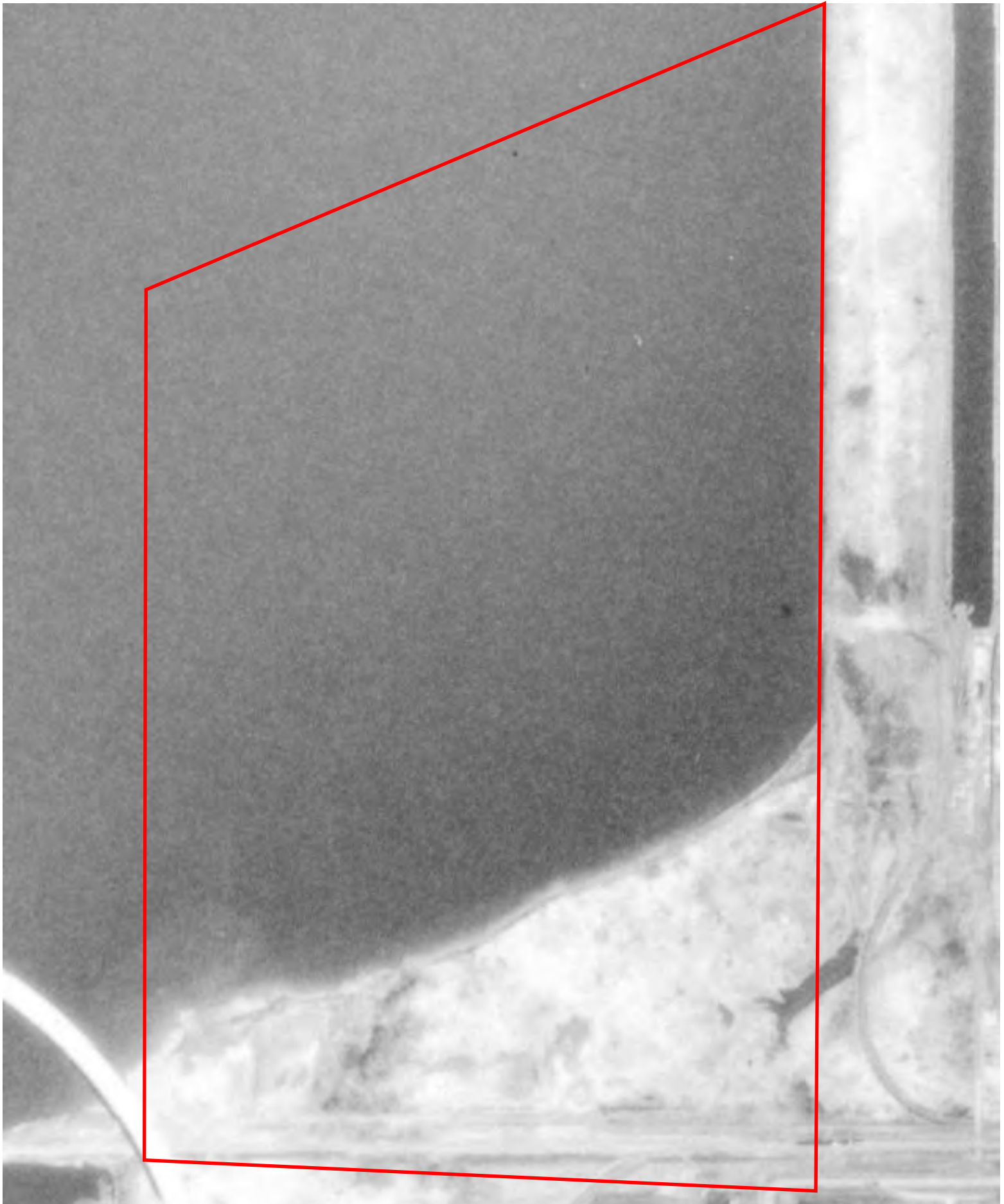


INQUIRY #: 5591154.8

YEAR: 1997

— = 500'





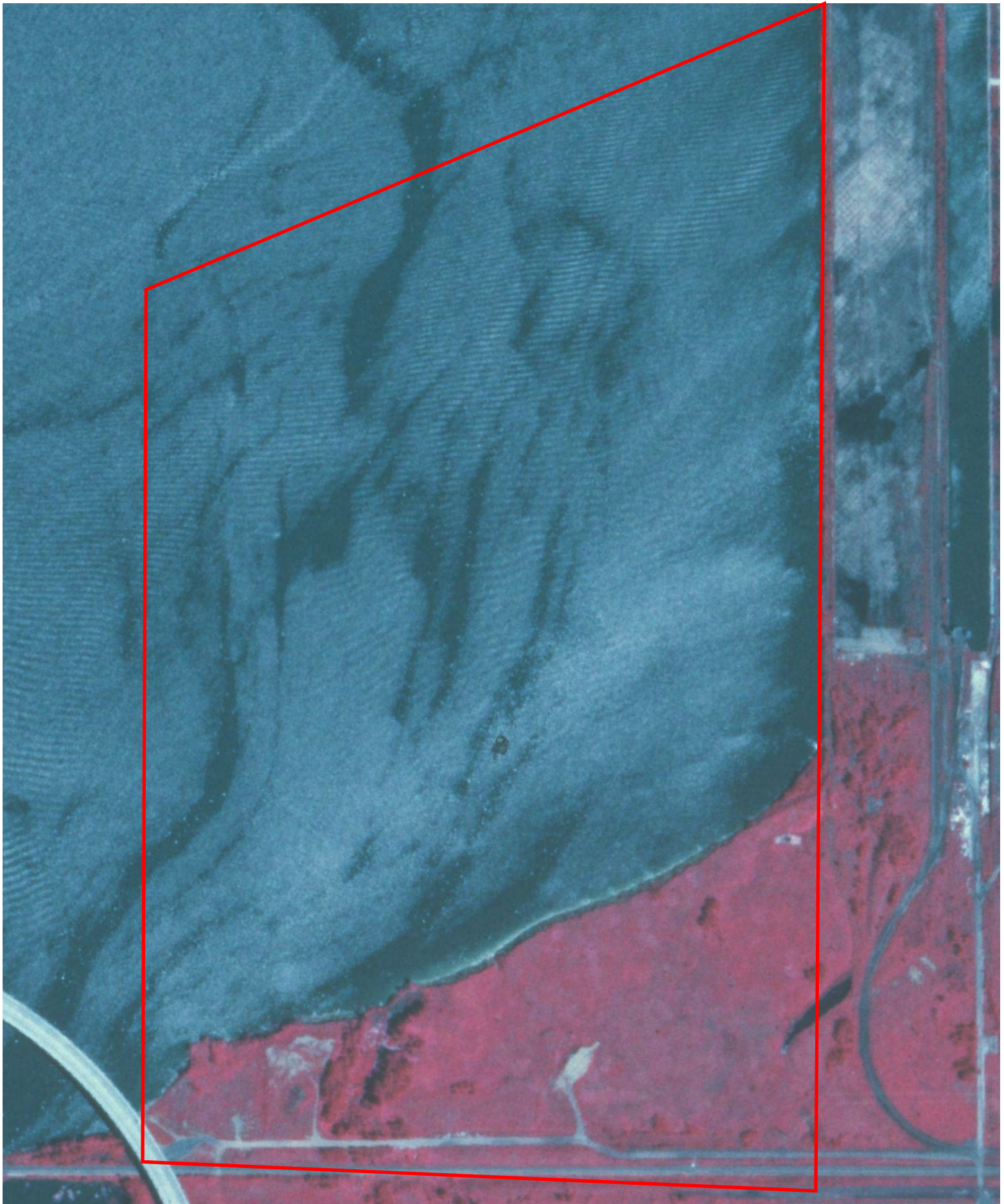
INQUIRY #: 5591154.8

YEAR: 1992

— = 500'







INQUIRY #: 5591154.8

YEAR: 1986

— = 500'







INQUIRY #: 5591154.8

YEAR: 1975

— = 500'







INQUIRY #: 5591154.8

YEAR: 1970

— = 500'





INQUIRY #: 5591154.8

YEAR: 1958

— = 500'







INQUIRY #: 5591154.8

YEAR: 1952

— = 500'







INQUIRY #: 5591154.8

YEAR: 1948

— = 500'







INQUIRY #: 5591154.8

YEAR: 1938

— = 500'



**APPENDIX F**

Sanborn Map Report



Estuary Flats

Estuary Flats

Superior, WI 54880

Inquiry Number: 5591154.3

March 15, 2019

## Certified Sanborn® Map Report



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

# Certified Sanborn® Map Report

03/15/19

**Site Name:**

Estuary Flats  
Estuary Flats  
Superior, WI 54880  
EDR Inquiry # 5591154.3

**Client Name:**

Sigma Env. Services, Inc.  
1300 W. Canal Street  
Milwaukee, WI 53233  
Contact: Dale Palkowski



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Sigma Env. Services, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn).

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

## Certified Sanborn Results:

**Certification #** E72B-4AA8-A6D7

**PO #** NA

**Project** 18328

### UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: E72B-4AA8-A6D7

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

*The Sanborn Library LLC Since 1866™*

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**APPENDIX G**

City Directory Report





**Estuary Flats**

Estuary Flats  
Superior, WI 54880

Inquiry Number: 5591154.5  
March 19, 2019

# The EDR-City Directory Image Report

## TABLE OF CONTENTS

### SECTION

Executive Summary

Findings

City Directory Images

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

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## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

### RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by

*infoUSA*<sup>®</sup>

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### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

| <u>Year</u> | <u>Target Street</u>                | <u>Cross Street</u>                 | <u>Source</u>         |
|-------------|-------------------------------------|-------------------------------------|-----------------------|
| 2014        | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | EDR Digital Archive   |
| 2010        | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | EDR Digital Archive   |
| 2005        | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | EDR Digital Archive   |
| 2000        | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | EDR Digital Archive   |
| 1995        | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | EDR Digital Archive   |
| 1992        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | EDR Digital Archive   |
| 1987        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Polk's City Directory |
| 1982        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Polk's City Directory |
| 1977        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Polk's City Directory |
| 1972        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Polk's City Directory |
| 1967        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Polk's City Directory |
| 1964        | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Polk's City Directory |

## FINDINGS

### TARGET PROPERTY STREET

Estuary Flats  
Superior, WI 54880

| <u>Year</u> | <u>CD Image</u> | <u>Source</u> |
|-------------|-----------------|---------------|
|-------------|-----------------|---------------|

### WINTER ST

|      |        |                       |
|------|--------|-----------------------|
| 2014 | pg A4  | EDR Digital Archive   |
| 2010 | pg A7  | EDR Digital Archive   |
| 2005 | pg A10 | EDR Digital Archive   |
| 2000 | pg A13 | EDR Digital Archive   |
| 1995 | pg A16 | EDR Digital Archive   |
| 1992 | pg A17 | EDR Digital Archive   |
| 1987 | pg A18 | Polk's City Directory |
| 1982 | pg A19 | Polk's City Directory |
| 1977 | pg A20 | Polk's City Directory |
| 1977 | pg A21 | Polk's City Directory |
| 1972 | pg A22 | Polk's City Directory |
| 1967 | pg A23 | Polk's City Directory |
| 1964 | pg A24 | Polk's City Directory |

# FINDINGS

## CROSS STREETS

Year                      CD Image                      Source

### SUSQUEHANNA AVE

|      |         |                       |   |
|------|---------|-----------------------|---|
| 2014 | pg. A2  | EDR Digital Archive   |   |
| 2010 | pg. A5  | EDR Digital Archive   |   |
| 2005 | pg. A8  | EDR Digital Archive   |   |
| 2000 | pg. A11 | EDR Digital Archive   |   |
| 1995 | pg. A14 | EDR Digital Archive   |   |
| 1992 | -       | EDR Digital Archive   | Target and Adjoining not listed in Source |
| 1987 | -       | Polk's City Directory | Target and Adjoining not listed in Source |
| 1982 | -       | Polk's City Directory | Target and Adjoining not listed in Source |
| 1977 | -       | Polk's City Directory | Target and Adjoining not listed in Source |
| 1972 | -       | Polk's City Directory | Target and Adjoining not listed in Source |
| 1967 | -       | Polk's City Directory | Target and Adjoining not listed in Source |
| 1964 | -       | Polk's City Directory | Target and Adjoining not listed in Source |



## **City Directory Images**

**SUSQUEHANNA AVE 2014**

|      |   |
|------|---|
| 1202 | BOYER FORD TRUCKS INC                               |
| 1405 | NATRAJ LLC<br>R E POYNTER INC                       |
| 1519 | TERVOLA, MARILYN A                                  |
| 1520 | SCHROEDER, ALAN M                                   |
| 1521 | LUNDEEN, CHRISTOPHER S                              |
| 1524 | PENNEY, TRAVIS R                                    |
| 1527 | BEEBE, JAMEY T                                      |
| 1528 | BEEBE, JAMES C                                      |
| 1601 | MCCARTY, DANIELLE                                   |
| 1604 | MILLER, TIM G                                       |
| 1606 | FITZPATRICK, DELORES M                              |
| 1607 | DAHLBERG, LLOYD                                     |
| 1610 | DEMOURE, JERRY A                                    |
| 1614 | WEINZATL, DAWN M                                    |
| 1615 | PACHOLSKY, AMY A                                    |
| 1618 | OCCUPANT UNKNOWN,                                   |
| 1619 | OCCUPANT UNKNOWN,                                   |
| 1624 | OCCUPANT UNKNOWN,                                   |
| 1626 | OCCUPANT UNKNOWN,                                   |
| 1628 | ARNOVICH, JEFF L                                    |
| 1704 | OCCUPANT UNKNOWN,                                   |
| 1705 | SHEA, JAMES T                                       |
| 1706 | OCCUPANT UNKNOWN,                                   |
| 1707 | GRAVES, AMANDA                                      |
| 1709 | OCCUPANT UNKNOWN,                                   |
| 1710 | MCCAULEY, EDWARD J                                  |
| 1711 | LAJOIE, DAN O                                       |
| 1713 | KIRKWOOD, JASON J                                   |
| 1715 | SERFLING, SABRINA                                   |
| 1716 | REIN, ERNIE F                                       |
| 1717 | LIGMAN, ROSE M                                      |
| 1720 | JOHNSON, MARK A                                     |
| 1721 | FIELDS, WILLIAM D                                   |
| 1722 | OCCUPANT UNKNOWN,                                   |
| 1723 | BUNCHER, MICHAEL                                    |
| 1726 | PUCHALLA BRANDON M<br>PUCHALLA, BRANDON             |
| 1803 | CARLSON, KELLY C                                    |
| 1804 | MORAN, BONNY F                                      |
| 1807 | OCCUPANT UNKNOWN,                                   |
| 1808 | MITCHELL-HASELOW, TERRI L                           |
| 1811 | FISHER, RICHARD R                                   |
| 1812 | SHYKES, I   |
| 1813 | GHYSELINCK, ROBERT D                                |
| 1816 | WATERS, KENNETH W                                   |
| 1817 | FLORAL ARTISTRY AND DESIGN LLC<br>OCCUPANT UNKNOWN, |
| 1909 | GIBB, ROBERT E                                      |
| 1914 | SZYMONOWICZ, DENNIS J                               |

**SUSQUEHANNA AVE 2014 (Cont'd)**

|      |                     |
|------|---------------------|
| 1915 | OSTROFSKY, RYAN C   |
| 1921 | KINDER, STEVEN M    |
| 1925 | VICKLUN, DANIEL S   |
| 1926 | WESTLUND, JONI      |
| 2001 | SYKORA, SANDRA E    |
| 2002 | NELSON, RICHARD M   |
| 2005 | SIRARD, MICHAEL D   |
| 2006 | HILGER, THOMAS R    |
| 2010 | OCCUPANT UNKNOWN,   |
| 2011 | CARLSON, FRANCES    |
| 2016 | PETERSON, TODD A    |
| 2019 | WARRING, SCOTT J    |
| 2020 | IZZARD, MATT T      |
| 2022 | GROSLIE, THOMAS R   |
| 2029 | KINNEE, DARLA R     |
| 2115 | MCDONALD, DENNIS J  |
| 2116 | SCHACHTE, SCOTT D   |
| 2119 | JOHNSON, MARJORIE A |
| 2120 | OLSON, KIRK G       |
| 2202 | SHAW, STEVE         |
| 2203 | JOHANSEN, JAMES R   |
| 2207 | CHEEVER, MARY       |
| 2211 | SWEENEY, SHANE T    |
| 2217 | OBRIEN, MARZ        |
| 2219 | OCCUPANT UNKNOWN,   |
| 2220 | JOHNSTED, GERALD A  |
| 2302 | MARTIN, JOHN A      |
| 2305 | OTIER, DEBORAH L    |
|      | TELLEZ, ANTHONY G   |
| 2308 | MCKAY, BARBARA M    |
| 2312 | WILLIAMS, JAMES     |
| 2313 | BEETCHER, THOMAS E  |
| 2319 | JEFFREY, C          |
| 2320 | BLACK, LESLIE G     |
| 2325 | ONEILL, JOHN P      |
| 2332 | OCCUPANT UNKNOWN,   |
| 2333 | BOURQUE, BRIAN D    |
| 2345 | TRACY, JAMES T      |

**WINTER ST 2014**

|      |                                |
|------|--------------------------------|
| 2010 | SUPERIOR-DULUTH REDI-MIX INC   |
| 2026 | HAWKINS WATER TREATMENT GROUP  |
| 2206 | AGGRENE CORP                   |
|      | ANDRESEN-RYAN COFFEE COMPANY   |
|      | SEVERUS INC                    |
|      | WHOLESALE DISCOUNT SUPPLY INC  |
| 2301 | MAGELLAN PIPELINE COMPANY LP   |
| 2400 | MIDWEST ENERGY RESOURCES CO    |
| 2700 | TOWN & COUNTRY SIGN & LIGHTING |
|      | X-TREME GRANITE                |
| 2826 | STOTT BRIQUET COMPANY INC      |
|      | SUE VINJE TRUCKING INC         |
| 2904 | LAKE CITY TOWING               |

**SUSQUEHANNA AVE 2010**

1202 BOYER FORD TRUCKS INC  
1405 NATRAJ LLC  
R E POYNTER INC  
1519 KESSEY, RICHARD J  
1520 SCHROEDER, ALAN  
1521 LUNDEEN, CHRISTOPHER  
1524 BURTON, PATRICK  
1527 BEEBE, JAMEY T  
1528 BEEBE, JAMES T  
1601 DZELAK, DANIELLE L  
1604 MILLER, TIM G  
1606 FITZPATRICK, DELORES M  
1607 DAHLBERG, NIKKI  
1610 DEMOURE, JERRY A  
1614 WEINZATL, DAWN M  
1615 BUTERA, MIKE F  
1624 STELTZ, ROBERT A  
1626 HUBER, THOMAS J  
1628 ARNOVICH, JEFF L  
1704 LANE, MARY A  
1705 SHEA, JAMES T  
1706 NELSON, MICHELLE S  
1710 MCCAULEY, EDWARD J  
1711 LAJOIE, DAN  
1713 ENGSTROM, GARY D  
1715 SERFLING, SABRINA  
1716 REIN, ERNIE F  
1717 LIGMAN, ROSE M  
1721 FIELDS, WILLIAM D  
1723 JENNINGS, JEFFREY S  
1726 SMITH, CHRISTOPHER R  
1803 GRASKEY, ALVIN S  
1804 MORAN, BONNY F  
1807 HALLER, KRIS G  
1808 MITCHELL-HASELOW, TERRI L  
1809 JAMES ROBERT MACGREGOR  
MACGREGOR, JAMES R  
1812 SHYKES, DELORES T  
1813 GHYSELINCK, ROBERT D  
1816 WATERS, KENNETH W  
1909 GIBB, ROBERT E  
1914 SZYMONOWICZ, DENNIS J  
1915 OSTROFSKY, RYAN C  
RYAN OSTROFSKY  
RYMEL CONSTRUCTION LLC  
1921 KINDER, STEVEN M  
1925 VICKLUN, DANIEL S  
1926 WESTLUND, MICHAEL  
2002 NELSON, RICHARD M  
2005 SIRARD, MICHAEL D



**SUSQUEHANNA AVE 2010 (Cont'd)**

|      |                      |
|------|----------------------|
| 2006 | HILGER, THOMAS R     |
| 2010 | JEROME, EMILY J      |
| 2011 | CARLSON, KENNETH O   |
| 2013 | CURRIE, LINDSAY A    |
| 2016 | PETERSON, TODD A     |
| 2019 | WARRING, SCOTT J     |
| 2020 | IZZARD, MATT T       |
| 2022 | WATERS, DALE W       |
| 2029 | GEORGE KORICH        |
|      | KINNEE, ROD A        |
| 2115 | MCDONALD, DENNIS L   |
| 2116 | SCHACHTE, SCOTT D    |
| 2120 | OLSON, KIRK G        |
| 2202 | SHAW, DAVID S        |
| 2203 | JOHANSEN, JAMES R    |
| 2207 | CHEEVER, ELIZABETH J |
| 2211 | SWEENEY, SHANE       |
| 2217 | OBRIEN, JUNE         |
| 2219 | BERG, RICHARD K      |
| 2220 | JOHNSTED, GERALD A   |
| 2302 | MARTIN, JOHN A       |
| 2305 | GILBERTSON, LARRY H  |
|      | MCGINNIS, DAVID B    |
| 2308 | MCKAY, BARBARA M     |
| 2312 | WILLIAMS, JAMES      |
| 2313 | BEETCHER, THOMAS E   |
| 2319 | JEFFREY, C           |
| 2320 | BLACK, LG            |
| 2325 | ONEILL, JOHN P       |
| 2333 | BOURQUE, BETTY A     |
| 2345 | TRACY, JAMES T       |

**WINTER ST 2010**

2206 AGGRENE CORP  
ANDRESEN-RYAN COFFEE COMPANY  
OIL ANALYZERS INC  
SEVERUS INC  
WHOLESALE DISCOUNT SUPPLY INC  
2301 MAGELLAN PIPELINE COMPANY LP  
2400 FRAISER SHIP YARD INC  
MIDWEST ENERGY RESOURCES CO  
2700 X-TREME GRANITE  
2826 SUE VINJE TRUCKING INC  
TRANSPORT INC  
2904 B P AMOCO TERMINAL  
LAKE CITY TOWING

**SUSQUEHANNA AVE 2005**

1101 FLEMING COMPANIES-SUPERIOR  
1202 SUPERIOR TRUCK INC  
1405 R E POYNTER INC  
1519 KESSEY, RICHARD J  
1520 SCHROEDER, ALAN  
1521 OLIVER, JOSEPH E  
1524 DRALLMEIER, LOUIS E  
1527 BEEBE, JAMEY  
1528 BEEBE, JAMES C  
1601 ROSS, KYLE M  
1604 MILLER, TIM  
1607 HOCKENBROCK, SCOTT D  
1610 DEMOURE, JERRY A  
1614 MOENSSEN, SCOTT D  
1615 PACHOLSKY, AMY A  
1618 DOWNS, RODRAY G  
1619 LUNDEEN, SHELLEY A  
1624 LOVE, MICHELLE A  
1626 HUBER, JOSEPH N  
1628 ARNOVICH, JEFF L  
1705 SHEA, JAMES T  
1706 NYGAARD, LINDA  
1707 MURPHY, ADAM  
1710 MCCAULEY, EDWARD J  
1711 MCCAULEY, IRENE E  
1713 ENGSTROM, GARY D  
1715 JOHNSON MICHELLE M  
JOHNSON, MICHELLE M  
1716 REIN, ERNIE F  
1717 LIGMAN, ROSE M  
1721 FIELDS, WILLIAM D  
1723 JENNINGS, JEFFREY S  
1726 HAROLD, B  
1803 GRASKEY, ALVIN S  
1804 MORAN, BONNY F  
1807 SCHUMAN, LES  
1808 ROCKLIN, DAVID  
1809 JAMES ROBERT MACGREGOR  
MACGREGOR, JAMES R  
1811 SPONGBERG, BRIAN A  
1812 SHYKES, DELORES T  
1816 WATERS, KENNETH W  
1909 HOMICH, BRAD J  
1914 SZYMONOWICZ, DENNIS J  
1915 ERICKSON, EMILY  
1921 ROTOLO, PAUL  
1925 VICKLUN, DANIEL S  
1926 WESTLUND, JASON D  
2001 GRONSKI, GERALD J  
2005 BERGER, DEWAYNE J

**SUSQUEHANNA AVE 2005 (Cont'd)**

|      |                                 |
|------|---------------------------------|
| 2006 | HILGER, THOMAS B                |
| 2011 | CARLSON, KENNETH O              |
| 2013 | ELMGREEN, ANN A                 |
| 2019 | PARK VIEW AFH<br>WARRING, SCOTT |
| 2020 | PEDERSEN, LOIS V                |
| 2022 | WATERS, DALE W                  |
| 2029 | KINNEE, RODNEY A                |
| 2115 | MCDONALD, DENNIS L              |
| 2116 | SCHACHTE, SCOTT D               |
| 2119 | BLAIR, GERALDINE M              |
| 2120 | OLSON, KIRK G                   |
| 2202 | SHAW, DAVID S                   |
| 2203 | JOHANSEN, JAMES R               |
| 2207 | HOYT, GERALDINE B               |
| 2217 | OBRIEN, MARK S                  |
| 2219 | BERG, RICHARD K                 |
| 2220 | JOHNSTED, GERALD A              |
| 2302 | MARTIN, JOHN A                  |
| 2305 | MCGINNIS, DAVID B               |
| 2313 | BEETCHER, THOMAS E              |
| 2319 | ELIASON, JEFFREY                |
| 2320 | FARMAKES, GAIL N                |
| 2325 | ONEILL, JOHN P                  |
| 2332 | SKAMSER, STEVEN T               |
| 2333 | BOURQUE, BRIAND D               |

**WINTER ST 2005**

2206 AGGRENE CORP  
ANDRESEN-RYAN COFFEE COMPANY  
OIL ANALYZERS INC  
2301 MEGELLAN PIPELINE COMPANY LP  
2700 METALRECOVERY CORP  
VAE NOTRAK  
2826 J S K TRNSP & LOGISTICS  
TRANSPORT INC  
2904 LAKE CITY TOWING  
3100 BUCHANAN LUMBER DIST INC  
HALLETT DOCK CO



**SUSQUEHANNA AVE 2000**

1405 R E POYNTER INC  
1519 KESSEY, RICHARD J  
1520 THORESON, GERALD  
1521 SILVERNESS, EVONNE M  
1524 DRALLMEIER, LOUIS  
1527 WOJCIECHOWSKI, JOS  
1528 BEEBE, JAMES  
1601 ROSS, KYLE  
1604 MILLER, TIM  
1606 FITZPATRICK, DONALD  
1610 DEMOURE, JERRY  
1614 MOENSSEN, SCOTT  
1618 KERN, KEVIN  
1619 LUNDEEN, SHELLEY A  
1624 HANSON, DARREN W  
1626 HUBER, JOSEPH N  
1628 ARNOVICH, JEFF  
1704 LANE, NORMAN  
1705 SHEA, JAMES T  
1706 VANDAKE, MARILYN  
1709 OLSON, ALISSA  
1713 ENGSTROM, GARY  
1715 JOHNSON, M  
1716 REIN, ELMER  
1717 FAIT, MAXINE  
1720 SMITH, DANIEL W  
1723 JENNINGS, JEFFERY  
KARENS KIDDIE CORNER  
1803 GRASKEY, ALVIN  
1804 ANDERSON, ROBERT  
1807 MACKENZIE, MICKEY R  
1808 PAULSON, ROBERT A  
1809 MACGREGOR, ROBERT B  
1812 COSTE, C R  
1813 FLATEN, MICHAEL  
1816 JOHNSON, MINNIE  
1817 KIGGINS, ROBERT  
1909 HOMICH, BRAD  
1914 ARMBRUST, JESSE  
SZYMONOWICZ, DENNIS  
1921 BROCKEL, DENISE  
1925 JOHNSON, SCOTT A  
VICKLUN, DANIEL  
1926 WESTLUND, MICHAEL D  
2001 GRONSKI, SOPHIE K  
2002 ANDERSON, MARK  
2005 SHELDON, GARY  
2006 HILGER, THOMAS  
2011 CARLSON, KENNETH O  
2013 ELMGREEN, WILLA A

**SUSQUEHANNA AVE 2000 (Cont'd)**

|      |                       |
|------|-----------------------|
| 2016 | PETERSON, ARTHUR H    |
| 2019 | MARION, CARLA         |
| 2020 | PEDERSEN, LOIS V      |
| 2022 | WATERS, DALE W        |
| 2029 | KORICH, GEORGE        |
| 2115 | MCDONALD, DENNIS      |
|      | STALVIGMCDONALD, RITA |
| 2116 | SCHACHTE, SCOTT       |
| 2119 | BLAIR, ROBERT E       |
| 2120 | OLSON, KIRK           |
| 2202 | NASSER, AHMED M       |
| 2207 | HOYT, G B             |
| 2211 | JULIUS, MARY J        |
| 2217 | OBRIEN, SHIRLEY M     |
| 2219 | BERG, RICHARD K       |
| 2220 | JOHNSTED, GERALD      |
| 2302 | MARTIN, JOHN A        |
| 2305 | BANGS, C              |
| 2308 | MCKAY, BARBARA M      |
| 2313 | BEETCHER, THOMAS E    |
| 2319 | ELIASON, JEFFREY      |
| 2320 | FARMAKES, GAIL N      |
| 2333 | BOURQUE, BRIAND       |

**WINTER ST 2000**

2026 HAWKINS WATER TREATMENT GROUP  
2201 GENERAL MILLS INC  
2206 AGGRENE CORP  
AMSOIL INC  
ANDRESEN-RYAN COFFEE COMPANY  
2301 WILLIAMS ENERGY GROUP  
2700 ABC-NACO INC  
2826 LAKE CITY TOWING  
TRANSPORT INC  
2904 B P AMOCO OIL INC

**SUSQUEHANNA AVE 1995**

1405 R E POYNTER INC  
1520 HUGGINS, PHILLIP  
1521 DOWER, BERNARD W  
1524 RICHARDS, WILLIAM H  
1527 WOJCIECHOWSKI, JOSEPH  
1528 BEEBE, JAMES  
1601 HAVRON, ROY  
1604 MILLER, TIM  
1606 FITZPATRICK, DONALD  
1607 MILLER, TAMMY  
1610 OCCUPANT UNKNOWNN  
1614 MOENSSEN, SCOTT  
1615 BUTERA, AMY  
1618 SWOR, AMIE L  
1619 LUNDEEN, SHELLEY A  
1624 LINDSTROM, CHARLES J  
1626 HUBER, JOSEPH N  
1628 JONES, RALPH C  
1704 LANE, NORMAN  
1705 SHEA, JAMES T  
1706 LEMONE, BRIAN  
1707 SPRINKEL, KARA  
1709 ROCHON, JOHN E  
1710 MCCAULEY, EDWARD J  
1711 OLSON, WALTER J  
1713 ENGSTROM, GARY  
1715 OCCUPANT UNKNOWNN  
1716 REIN, ELMER  
1717 LIGMAN, ROSE  
SARAZINE, WILLIAM  
1720 SMITH, DANIEL W  
1721 OCCUPANT UNKNOWNN  
1722 BURDICK, BARBARA  
1723 OCCUPANT UNKNOWNN  
1803 GRASKEY, ALVIN SR  
1804 ANDERSON, ROBERT  
1807 MACKENZIE, MICKEY R  
1808 PAULSON, ROBERT A  
1809 MACGREGOR, ROBERT B  
1811 OCCUPANT UNKNOWNN  
1812 COSTE, CHARLES R  
1813 FLATEN, MICHAEL  
1816 JOHNSON, MINNIE  
1817 KIGGINS, ROBERT  
1909 OLSON, L R  
1915 BANKEY, PAUL E  
1921 MEAD, AUDREY L  
1925 JOHNSON, DEBRA  
VICKLUN, DANIEL  
1926 WESTLUND, MICHAEL D

**SUSQUEHANNA AVE 1995 (Cont'd)**

|      |                       |
|------|-----------------------|
| 2001 | GRONSKI, ANTHONY R    |
| 2002 | ANDERSON, MARK L      |
| 2005 | SHELDON, GARY         |
| 2006 | HILGER, THOMAS        |
| 2010 | OCCUPANT UNKNOWNN     |
| 2011 | CARLSON, KENNETH O    |
| 2013 | ELMGREEN, WILLA A     |
| 2016 | PETERSON, ARTHUR H    |
| 2019 | MARION, CARLA         |
| 2020 | PEDERSEN, LOIS V      |
| 2022 | WATERS, DALE W        |
| 2029 | OCCUPANT UNKNOWNN     |
| 2115 | MCDONALD, DENNIS      |
|      | STALVIGMCDONALD, RITA |
| 2116 | SCHACHTE, SCOTT       |
| 2119 | BLAIR, ROBERT E       |
| 2120 | CURRIE, DES JR        |
| 2202 | OCCUPANT UNKNOWNN     |
| 2203 | OCCUPANT UNKNOWNN     |
| 2207 | HOYT, G B             |
| 2211 | LANDRUM, RICHARD      |
| 2217 | OBRIEN, JOHN S        |
| 2219 | BERG, RICHARD K       |
| 2220 | JOHNSTED, GERALD      |
| 2302 | MARTIN, JOHN A        |
| 2305 | JOERNS, TODD          |
| 2308 | MCKAY, BARBARA M SR   |
| 2312 | OCCUPANT UNKNOWNN     |
| 2313 | OCCUPANT UNKNOWNN     |
| 2319 | CARLSON, MARK S       |
| 2320 | FARMAKES, GAIL N      |
| 2325 | MORROW, THOMAS        |
| 2328 | ARDELL, ROY E         |
| 2332 | MATACZYNSKI, JAMES D  |
| 2333 | BOURQUE, BRIAND       |

**WINTER ST 1995**

|      |                              |
|------|------------------------------|
| 2010 | NORTHLAND REDI MIX           |
| 2026 | HAWKINS CHEMICAL INC         |
| 2206 | AGGRENE CORP                 |
|      | AMSOIL INC                   |
|      | ANDRESEN-RYAN COFFEE COMPANY |
|      | NORTHWEST REFRESHING SERVICE |
| 2301 | WILLIAMS PIPE LINE COMPANY   |
| 2700 | ABC RAIL PRODUCTS CORP DEL   |
| 2826 | LAKE CITY TOWING             |
|      | TRANSPORT INC                |
| 2904 | AMOCO OIL COMPANY            |



**WINTER ST 1992**

2026 HAWKINS CHEMICAL INC  
2131 LEDIN, SCOTT G  
2206 AMSOIL INC  
ANDRESEN-RYAN COFFEE COMPANY  
NORTHWEST REFRESHING SERVICE  
2301 UNO-VEN COMPANY  
WILLIAMS PIPE LINE CO  
2612 KANTARIK, JAMES  
2700 ABC RAIL CORPORATION (DEL)  
2904 AMOCO OIL COMPANY

**WINTER ST 1987**

1929 Vacant

**OAKES AV INTERSECTS****B N RY CROSSES**

2026 Arrowhead Chemicals

chemical sup whol 392-5121

**2****BN RY CROSSES**

2206 Arco Coffee Co whol

392-4771

M &amp; M Supply Co restr sups

392-4771

Office Coffee Service

392-4771

Amsoil Inc mfg synthetic

lubricants 392-7101

2206½ Helmer Foods 392-4771

**LEHIGH RD INTERSECTS****RAMAPO AJAX RD****INTERSECTS****MARYLAND AV INTERSECTS**

2301 Unocal Seventy Six fuel oil

394-3262

2700 Abex Corp (Railroad

Products Group) 392-8181

2826 Vacant

**BERWIND RD INTERSECTS**

2904 Amoco Oil Co fuel oil

392-8294

Midwest Energy Resources

Co (coal transshipment

facility) 392-4701

**SUSQUEHANNA AV****INTERSECTS**

**WINTER ST 1982**

1920★Babik Emma Jean ☺

1929 Whse Arrowhead Chemicals  
(Whse)**OAKES AV INTERSECTS****B N RY CROSSES**2026 Arrowhead Chemicals Inc  
chemical sup 392-5121**2****BN RY CROSSES**2206 Land O'Lakes Midland  
prntrs 394-7725Amsoil Warehouse mfg  
synthetic lubricants  
392-71012206½ Helmer Foods (Arco Co  
Div) 392-42662224 B N Ry (Communication  
Center) 392-3434**BN RY BEGINS****LEHIGH RD BEGINS****RAMAPO AJAX RD BEGINS****MARYLAND AV INTERSECTS**2301 Union 76 (Div Union Oil Co  
Of Calif) fuel oil 394-32622700 Abex Corp (Railroad  
Products Group) 392-81812826 Stott Briquet Co whol coal  
394-2663**BERWIND RD BEGINS**2903 Amoco Oil Co fuel oil  
392-8294**SUSQUEHANNA AV BEGINS**

WINTER ST 1977

1920 vacant

**OAKES AV INTERSECTS****B N RY CROSSES****2026 Arrowhead Chemicals Inc  
whol 392-5121****BN RY CROSSES****2206 Midland Cooperatives Inc  
Commercial Printing  
394-7725****Amzoil Inc mfg synthetic  
lubricants 392-6127**



## WINTER ST 1977

**WINTER ST—Contd**

2206½ Interstate Warehouse Co  
392-4266

2220 Northwest Wis Community  
Actn Agcy (Rcycling Cntr)  
392-5127

2224 Western Fruit Express Co  
refgr car line 392-4614  
B N Ry (Communication  
Center) 392-3434

**BN RY BEGINS**

**LEHIGH RD BEGINS**

**RAMAPO AJAX RD BEGINS**

**MARYLAND AV INTERSECTS**

2301 Union 76 Div Union Oil Co  
Of Calif fuel oil 394-3262

2700 Abex Corp (Railroad  
Products Group) 394-4466

2826 Stott Briquet Co whol coal  
394-4582

**BERWIND RD BEGINS**

2903 Amoco Oil Co fuel oil  
392-8294

**SUSQUEHANNA AV BEGINS**

## WINTER ST 1972

1920 vacant

OAKES AV INTERSECTS  
B N RY CROSSES2026 Arrowhead Chemicals Inc  
mfrs whol 392-5121

2

## BN RY CROSSES

2205 Vacant

2206 Midland Co-Op Printing  
Plant 394-77252206½ Interstate Warehouse Co  
(Arco Bldg Co) 392-42662218 Northwest Wisconsin Comm  
Action Agcy (Youth Ctr)2224 Western Fruit Express Co  
refgr car line 394-4422

## BN RY BEGINS

## LEHIGH RD BEGINS

## RAMAPO AJAX RD BEGINS

## MARYLAND AV INTERSECTS

2301 Union 76 Div Union Oil Co  
Of Calif fuel oil 394-7727  
Union 76 (Tank Farm)  
394-77272700 Railroad Products (Div Of  
Abex Corp) 394-44662826 Stott Briquet Co Inc whol  
coal 394-4582

## BERWIND RD BEGINS

2903 Standard Oil Division Of  
American Oil Co 394-3251  
American Oil Co (Marine  
Terminal) 392-8294

## SUSQUEHANNA AV BEGINS



WINTER ST 1967

231

WINTER ST—Contd

1518 WEISS PAULINE MRS  
392-3459  
---JOHN AV INTERSECTS  
1615 SOO LINE RAILROAD CO  
(DIV OFC)  
SOO LINE RAILROAD CO  
(FRT STA) 394-6592  
---OGDEN AV INTERSECTS  
1702 DE MEYER'S SKELLY  
GAS STATION  
394-9871  
1705 VACANT  
1706 VACANT  
1707 SUPERIOR FRUIT CO  
WHOL 394-7191  
1709 WESTMAN FISH CO WHOL  
394-3053  
1710-1714 VACANT  
1715 ROSE ROOMING HOUSE  
1716 VACANT  
1717 FREIGHT SALVAGE  
STORE (STGE)  
---TOWER AV INTERSECTS  
1805 MATTHEWS CANDY CO  
WHOL 392-2006  
MATTHEWS  
DISTRIBUTING CO  
392-2006  
1807½ VACANT  
1821 MIDLAND COOPERATIVE  
INC FEED DEPARTMENT  
WHOL FEED & SUP  
394-7721  
---BANKS AV INTERSECTS  
1901 MIDLAND COOPERATIVE  
INC FEED RET  
394-7721  
1918 COWAN EDW B •  
392-2775  
1920 CUMMINGS DARLENE F  
MRS 394-6034  
---OAKES AV INTERSECTS  
---N P RY CROSSES  
2026 NORTHERN PACIFIC  
RAILWAY CO (FREIGHT  
STATION) 394-5291  
2  
---G N RY CROSSES  
2205 ARROWHEAD CHEMICALS  
INC WHOL 392-1935  
2206 MIDLAND CO-OP  
PRINTING PLANT  
394-7721  
2218 GREAT NORTHERN RY  
(TRANS SHFD)  
394-4422  
2224 GREAT NORTHERN  
RAILWAY (FRT OFC)  
394-4422

GREAT NORTHERN  
RAILWAY  
(ROADMASTERS OFC)  
392-8373  
GREAT NORTHERN  
RAILWAY (TRAFFIC  
DEPT) 394-4422  
SUPERIOR TRANSFER CO  
394-4471  
WESTERN FRUIT  
EXPRESS CO REFGR  
CAP LINE 394-4422  
---GREAT NORTHERN RD  
BEGINS  
---LEHIGH RD BEGINS  
---RAMAPO AJAX RD BEGINS  
---MARYLAND AV INTERSECTS  
2300 MIDLAND COOPERATIVE  
INC (WHSE)  
2301 NORTHWESTERN  
DIVISION W H BARBER  
OIL CO 392-4340  
PURE OIL CO THE WHOL  
& RET PETROLEUM  
394-7727  
PURE OIL CO TANK  
FARM 394-3262  
2700 RAILROAD PRODUCTS  
(DIV OF ABEX CORP)  
394-4466  
ABEX CORP RAILROAD  
PRODUCTS DIVISION  
RAILWAY SUPPLIES  
394-4466  
2826 STOTT BRIQUET CO INC  
WHOL COAL 394-4582  
---BERWIND RD BEGINS  
2903 STANDARD OIL  
DIVISION OF  
AMERICAN OIL CO  
394-3251  
---SUSQUEHANNA AV BEGINS  
-----  
4  
WISCONSIN AV -FROM 3700  
BELKNAP ST SOUTH. 19  
WEST OF TOWER AV  
---ZIP CODE 54880  
---16TH ST INTERSECTS  
---17TH ST INTERSECTS  
---18TH ST INTERSECTS  
1801 GENOVESE ANTHONY A •  
392-3729  
1805 BERG IRVING C •  
394-4766  
1806 JOSEPHSON HELEN MRS  
392-2818  
1810 SANTA ARNOLD W •  
392-1840



WINTER ST 1964

WINTER—Contd

1701-03 Central Co-operatives Inc  
ofc bookkeeping serv  
394-7721  
Co-operative Bldr Midland  
Co-op Inc newspaper  
394-5542  
Finnish Co-op Weekly-Mid-  
land Co-op Inc 394-5542  
3d fl Central Accounting Serv Inc  
394-5441

1702 DeMeyer Henry O gas sta  
1705 Vacant  
1707 Superior Fruit Co whol  
394-7191  
1709 Pomush & Co whol prod  
394-5133  
1710-12 Badger Liquor Co whol  
394-6677  
17 Vacant  
1711½ Vacant  
1713 Vacant  
1715 Rose Hotel  
Ennis Cozett H Mrs ©  
394-3981

1716-18 Vacant  
1717 Vacant  
Tower av intersects  
1805-07 Matthews Candy Co whol  
392-2006  
Matthews Distr Co beer  
392-2006  
1807½ Vacant

Banks av intersects  
1901 Midland Co-operatives Inc  
whol gro 394-7721  
1918 Jarvi Dorothy M © 394-7117  
1920 Whitman Jeanne L 392-1362

Oakes av intersects  
NPY crosses  
2026 NPRy frt sta 394-5291  
2300 Midland Co-operative Inc  
whse  
2301 Pure Oil Co 394-3262  
Northwestern Div W H Barber  
Oil Co 392-4340

GNRy crosses  
2205 Arrowhead Chemicals-Exter-  
minator whol 392-1935  
2224 Western Fruit Exp Co refrg  
car line 394-4429  
GNRy frt ofc 394-4421  
GNRy rdmstrs ofc 392-8373

Great Northern rd begins  
Lehigh rd begins  
Ramapo Ajax rd begins  
Maryland av intersects

2700 Railroad Products Div of Am  
Brake Shoe Co railroad sups  
394-4466  
2826 Stott Briquet Co Inc whol  
coal 394-4582  
Berwind rd begins  
2903 Standard Oil Div of Am Oil  
Co  
Susquehanna av begins

4  
WISCONSIN AV—From 3700 Bel-  
knap south, 19 west of Tower

16th intersects  
17th intersects  
18th intersects  
1801 Genovese Anthony A ©  
392-3729  
1805 Berg Irving C © 394-4766  
1806 Josephson Helen Mrs  
392-2808  
1806½ Vacant  
1810 Santa Arnold W 392-1840  
1810½ Jensen Jens N  
1818 Roy Raymond W ©  
1819 Nelson Gertrude C Mrs ©  
394-7069  
1819½ Anderson Agnes A Mrs  
1820 Vacant  
1821 Bergstrom Paul T © 394-7320  
1821½ Waseen Lilly T Mrs  
392-8554  
1824 Solheim Kenneth J 394-5838  
1825 Gorman Mary E Mrs ©  
394-4948  
1826 Vacant  
1827 Larson Thos A © 394-9319  
19th av intersects  
1902 Lehto Lloyd S © 392-3464  
1908 Wilhelmson Margt E ©  
394-7077  
1909 Salveson Eva K Mrs 394-7035  
1911 Lynch Ambrose J © 394-7065  
1912 Young Richd A 394-4340  
1913 Hoff Elmer J 394-7037  
1914 Staven Marvin W © 394-9677  
1915 Ford Martin L 394-9677  
1915½ Anderson Rudolph C ©  
394-6156  
1919 Susens Jas J © 394-3187  
1920 Roatch Irving W © 392-1461  
1922 Larson Raymond E ©  
394-6095  
1923 Amundson Albert M ©  
392-8713  
20th intersects  
2003 Mills Elma M Mrs ©  
2004 Culhane Edw T © 394-7278  
2009 Nelson Ernest A © 394-7379  
2012 Murphy Marie T Mrs ©  
394-7301  
2013 Krapu Wm M © 392-8331  
2014 Haughey Agnes M ©  
394-7332