45°57'0" N

45°56'50" N

45°56'40" N

86°14'40" W

86°14'50" W

MAINTAINED PROJECT DEPTH = 12.0'

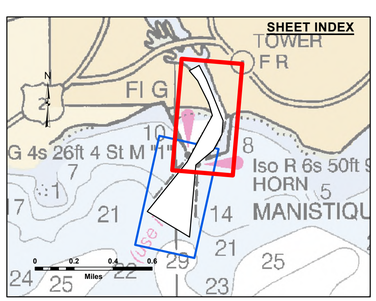
AUTHORIZED PROJECT DEPTH = 18.0'

Source: Esri, Vantor, Earthstar Geographics, and the GIS User Community

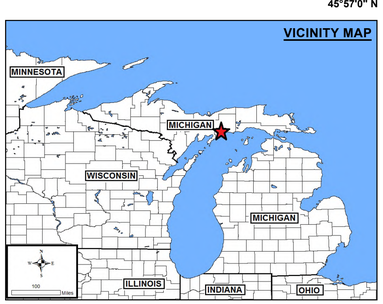
86°15'0" W

45°56'50" N

SHEET INDEX



VICINITY MAP



LEGEND

- Cable Submarine
- Cable Overhead
- Placement Area
- Beacon, General
- Contour Lines
- Channel_Limits

SOUNDING LEGEND

- LESS THAN PROJECT DEPTH
- PROJECT DEPTH
- PROJECT DEPTH +1'
- PROJECT DEPTH +2'
- PROJECT DEPTH +3'
- PROJECT DEPTH +4'
- PROJECT DEPTH +5'

N W E S

1 inch = 100 feet

Feet

0 100 200 300 400 500 600

NOTES:

THE INFORMATION DEPICTED ON THIS MAP CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THE TIME.

THE LOCATION OF NAVIGATION AIDS REPRESENT THEIR GENERAL LOCATION.

ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). LOW WATER DATUM (LWD) ZERO IS 577.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. WATER LEVEL READINGS ARE FROM AN AUTOMATED GAUGE LOCATED AT MANISTIQUE CITY MARINA. DEPTHS ARE MEASURED USING A TELEDYNE ECHOTRAC E20 SINGLE BEAM ECHOSOUNDER.

HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM (RTK). CORRECTIONS ARE PROVIDED BY THE MICHIGAN CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS). THE CLOSEST BASE STATION IS USED AS THE DETERMINING FACTOR IN CORRECTION SELECTION. THE GPS RECIEVER IS A TRIMBLE MPS865.

THE GRID SHOWN REFERENCES LATITUDE/LONGITUDE DISPLAYED AS DEGREES, MINUTE, SECONDS IN 10 SECOND INCREMENTS. THE SURVEY DATA REPRESENTED HEREIN IS PROJECTED TO THE MICHIGAN STATE PLANE, NORTH ZONE (2111), NORTH AMERICAN DATUM 1983 (NAD83), US SURVEY FOOT.

UNLESS OTHERWISE NOTED MAINTAINED DEPTH IS 12.0 FEET BELOW LOW WATER DATUM

IMAGERY SOURCED FROM: MAXAR, MICROSOFT

US Army Corps of Engineers
District: CELRE

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U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

Surveyed By: ____

Plotted By: ____

Checked By: ____

Submitted: ____

Recommended: Chief, Survey Section

Approved: Chief, Technical Services

Manistique Harbor, MI
Manistique Harbor
MS_01_TQE_20251113_AD
13 November 2025

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