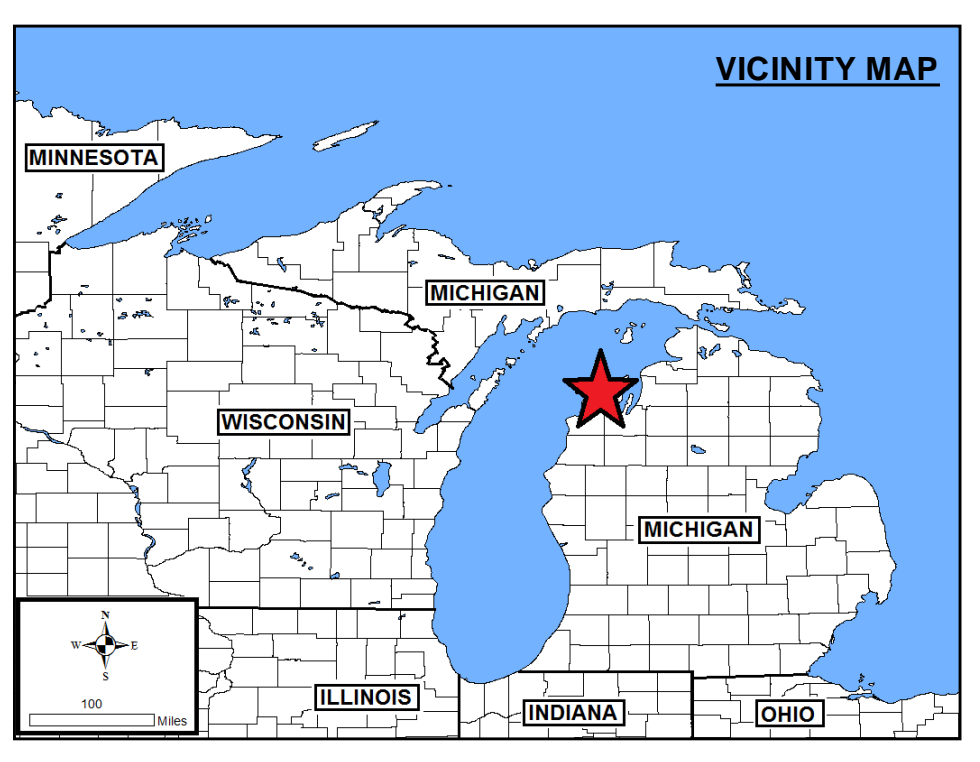
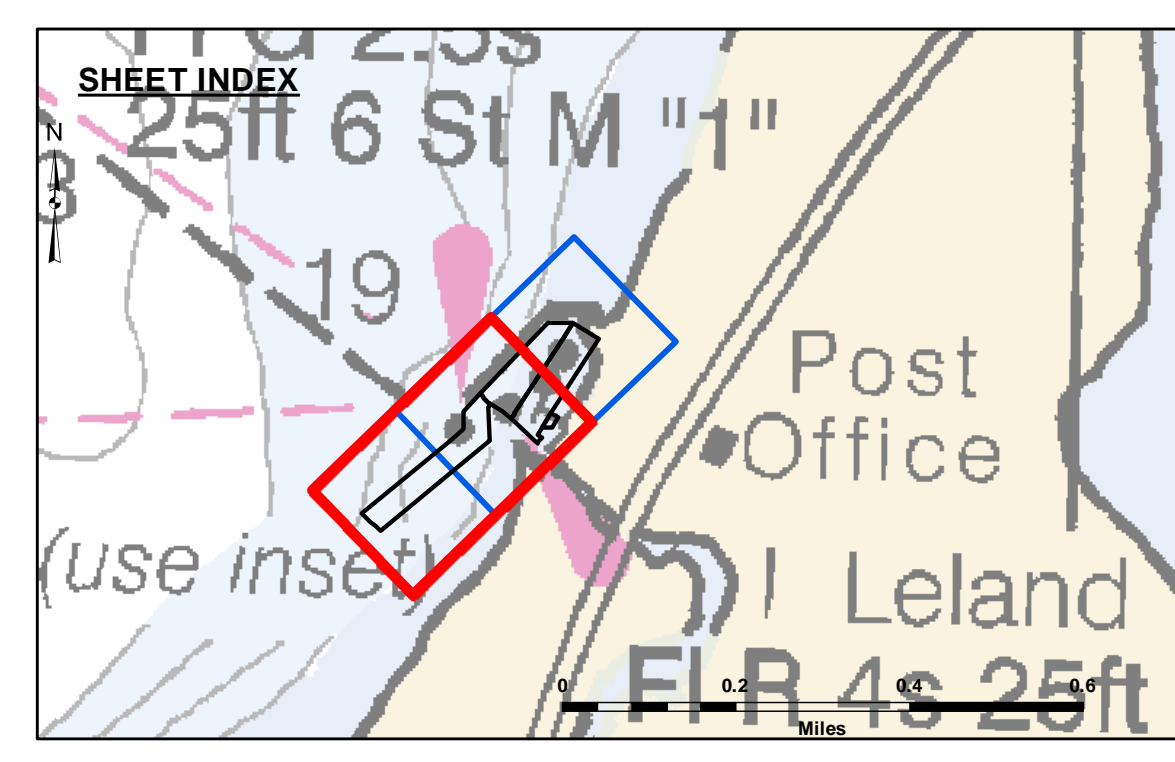


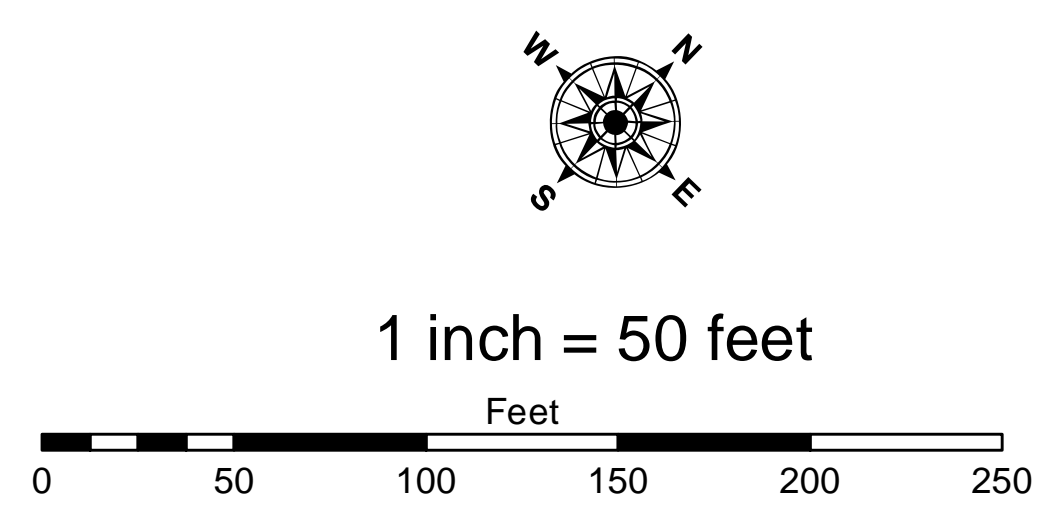
Disclaimer: The data represents the results of data collection... The user is responsible for the accuracy of any of the application of the data for other than its intended purpose.

Approval table with columns: Submitted, Surveyed By, Recommended, Chief, Survey Station, Plotted By, Chief, Technical Services, Checked By.



- LEGEND
..... Cable Submarine
--- Cable Overhead
[] Channel Limits
| Beacon, General
- Contour Lines
[] Channel Limits

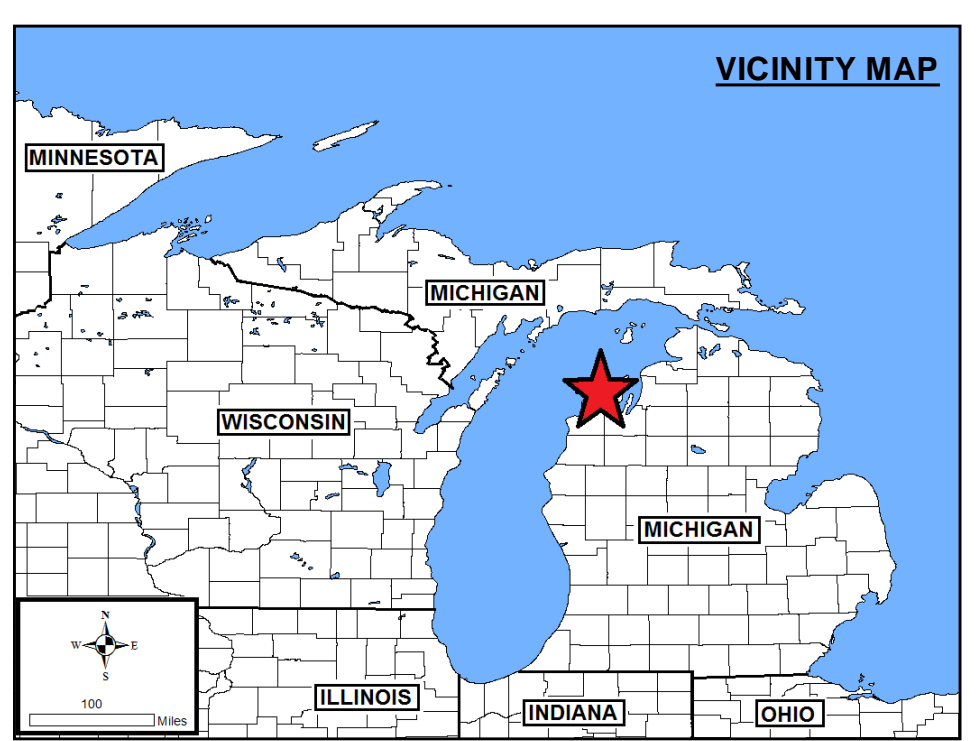
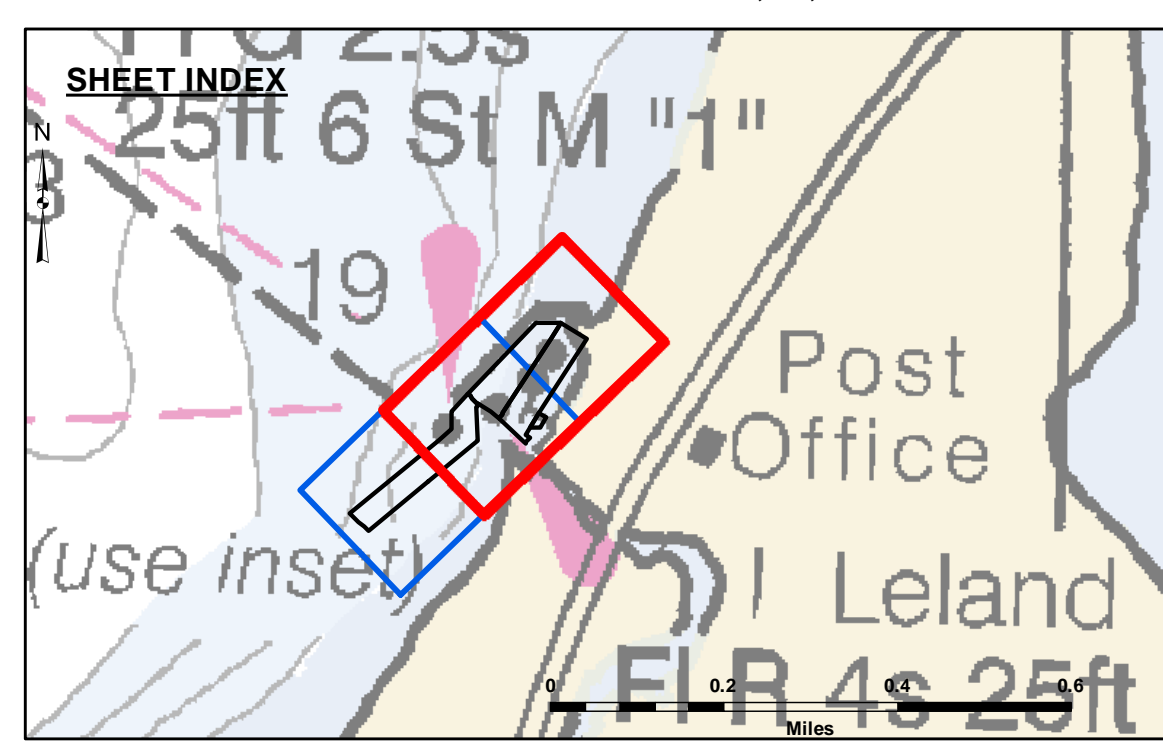
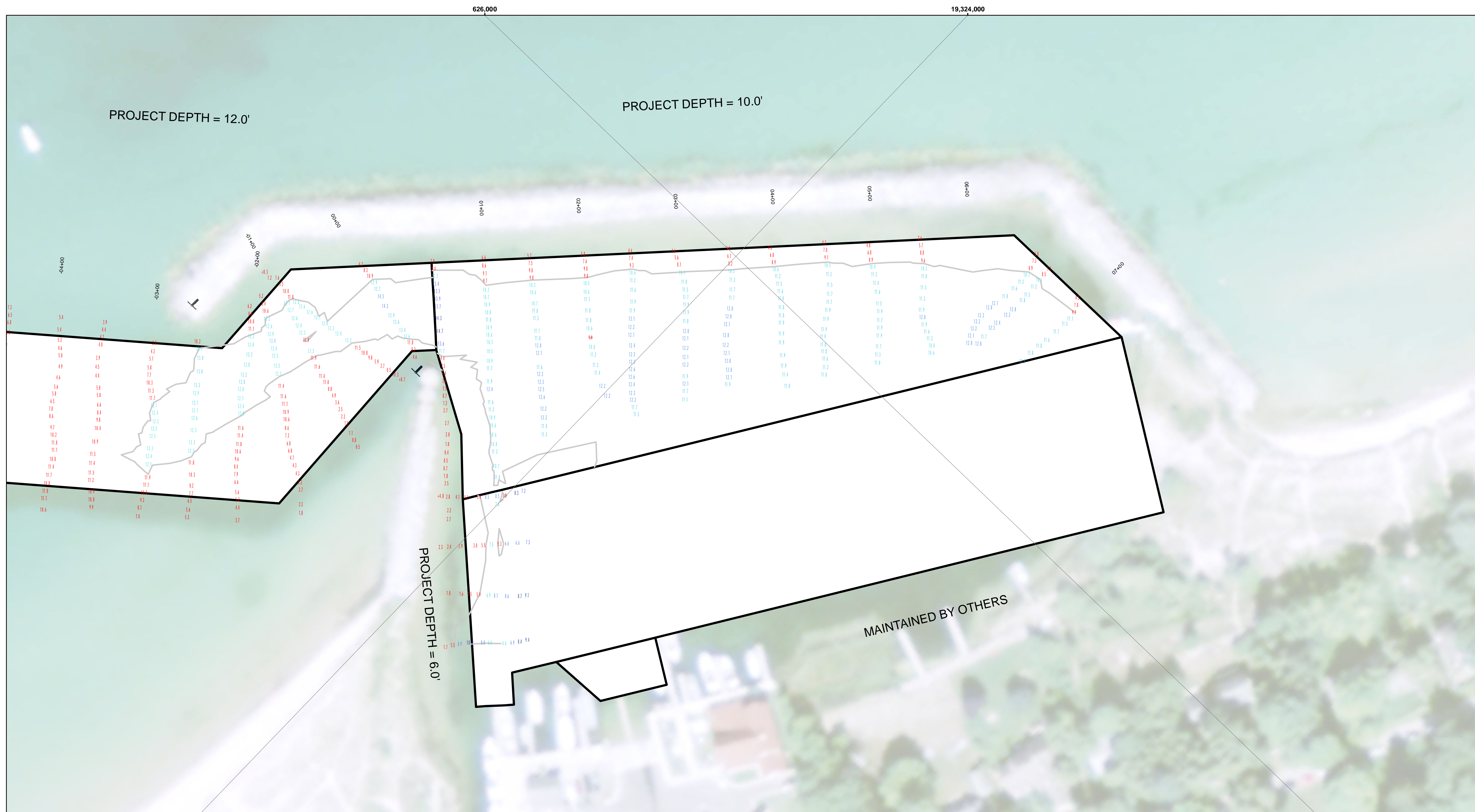
- SOUNDING LEGEND
[] LESS THAN PROJECT DEPTH
[] PROJECT DEPTH
[] PROJECT DEPTH +1'
[] PROJECT DEPTH +2'
[] PROJECT DEPTH +3'
[] PROJECT DEPTH +4'
[] PROJECT DEPTH +5'



NOTES: 1. THE SOUNDINGS INDICATED HEREIN ARE GENERALIZED DEPTHS AND ARE NOT REPRESENTATIVE OF THE FULL DATASET. 2. ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85)...

Leland Harbor, MI
Leland Harbor
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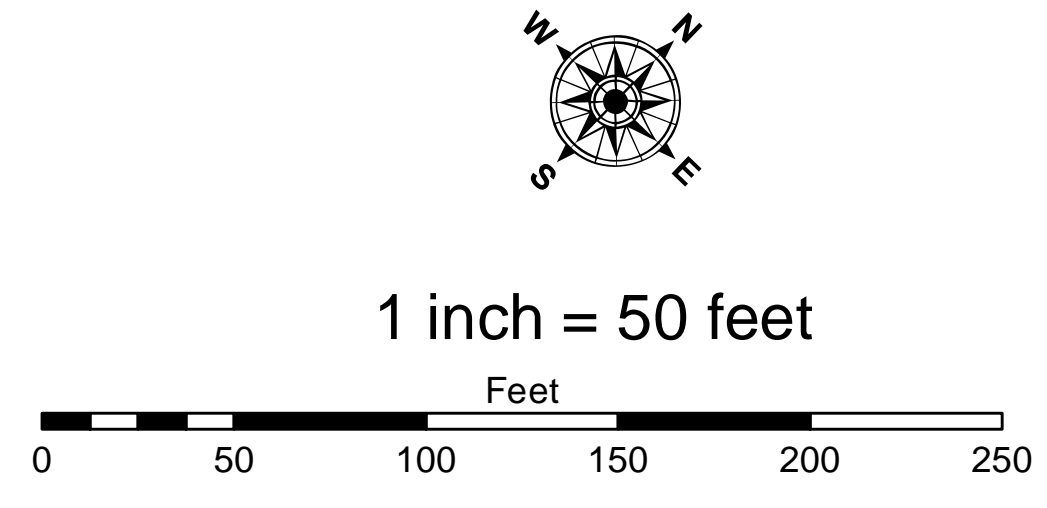


LEGEND

- Cable Submarine
- - - Cable Overhead
- ▭ Channel Limits
- ⊥ 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'



NOTES:

1. THE SOUNDINGS INDICATED HEREIN ARE GENERALIZED DEPTHS AND ARE NOT REPRESENTATIVE OF THE FULL DATASET.
2. 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 FATHER POINT QUEBEC. WATER LEVEL READINGS ARE FROM A GAGE MARK ALONG THE SHEET STEEL WALL AT THE HARBOR BOAT RAMP IN LELAND, HARBOR, MI.
3. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THE TIME.
4. POSITIONING METHOD: TRIMBLE DGPS
EQUIPMENT: ODOM CV 100 SINGLEBEAM ECHOSOUNDER
SOFTWARE: HYPACK
VESSEL: LAUNCH 3064
5. GRID COORDINATES ARE BASED ON THE MICHIGAN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, MICHIGAN CENTRAL ZONE (2112). NORTH AMERICAN DATUM (NAD83). ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET. THE SOUNDINGS INDICATED HEREIN ARE GENERALIZED DEPTHS AND ARE NOT REPRESENTATIVE OF THE FULL DATASET.
6. UNLESS OTHERWISE NOTED PROJECT DEPTHS ARE 12.0, 10.0 & 6.0 FEET BELOW LWD

2012 AERIAL PHOTOGRAPHY DATA SOURCE: NAIP
** SHORTEST SOUNDING PER QUARTER PER REACH.



Disclaimer: The data represents the results of data collection and processing for a specific US Army Corps of Engineers activity and indicates the general existing conditions. Engineers assume no liability for the accuracy, completeness, or implied concerning the accuracy, completeness, or reliability of the data for other than its intended purpose. The user is responsible for the accuracy of the data for any application of the data for other than its intended purpose.

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U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

Submitted:	Surveyed By:
Recommended:	Plotted By:
Approved:	Checked By:

Chief, Survey Section
Chief, Technical Services

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