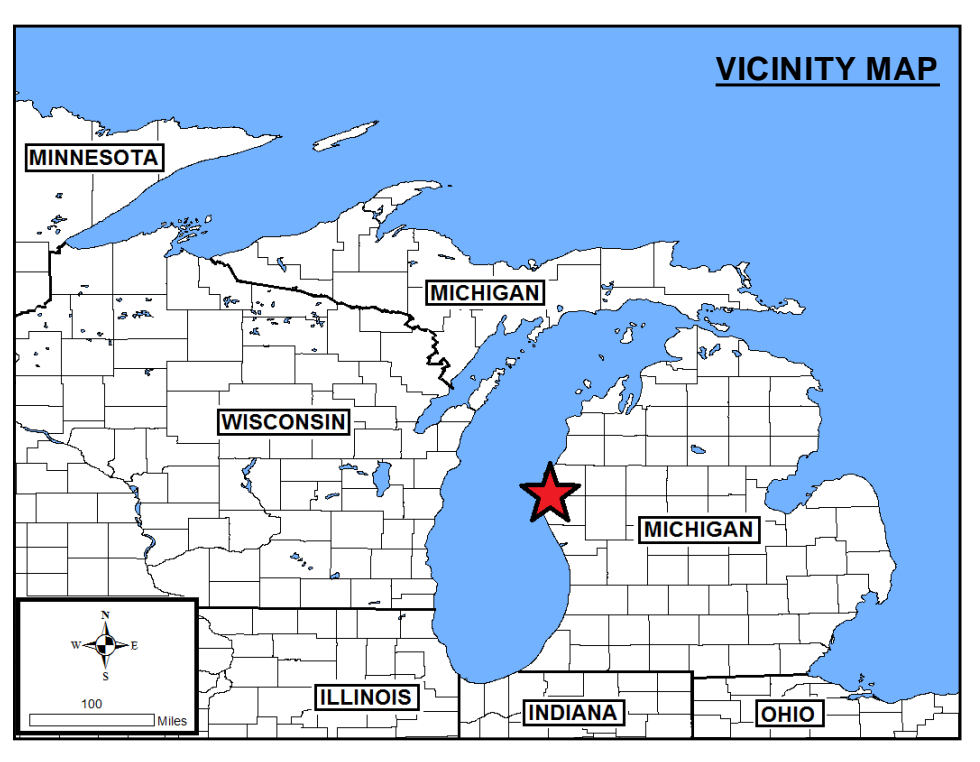
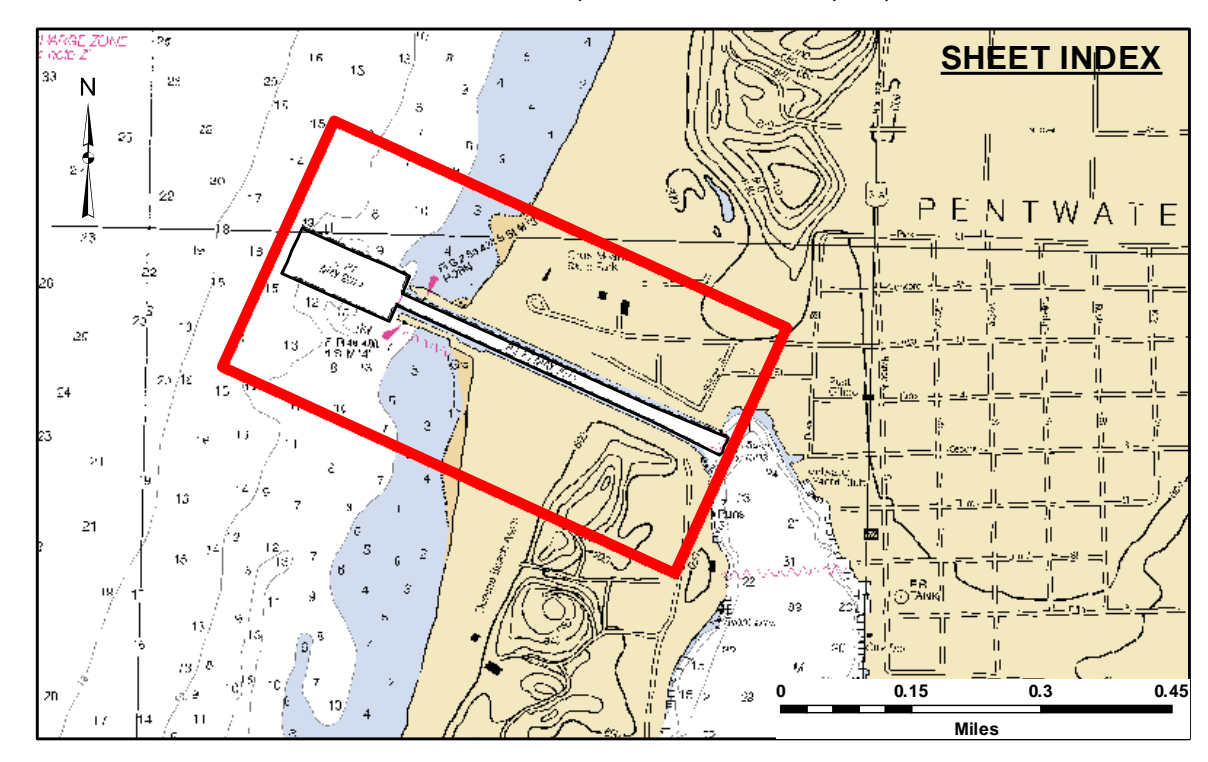




**DISCLAIMER:** The data represents the results of data collection and processing for a specific US Army Corps of Engineers activity and indicates the general existing conditions. It is not intended to be used for any other purpose than the intended purpose of any of the application of the data for other than its intended purpose. The user is responsible for the accuracy, completeness, and reliability of the data for other than its intended purpose. These data are being provided to you for your information only and are not to be used for any other purpose than the intended purpose of any of the application of the data for other than its intended purpose. These data are being provided to you for your information only and are not to be used for any other purpose than the intended purpose of any of the application of the data for other than its intended purpose.

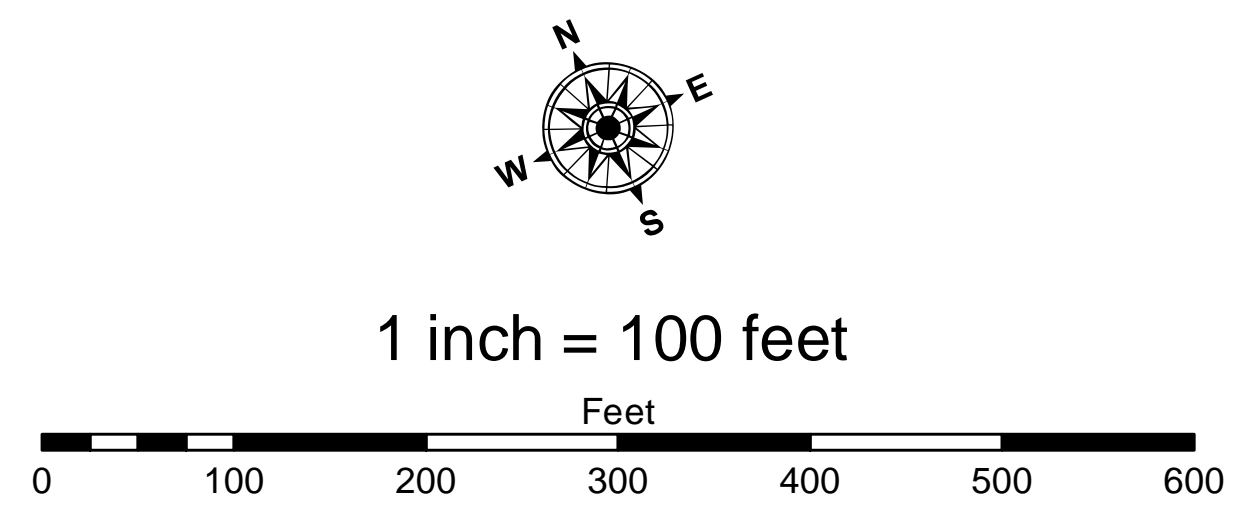
U.S. ARMY CORPS OF ENGINEERS DETROIT DISTRICT		
Submitted By:	Surveyed By:	
Recommended By:	Plotted By:	
Approved:	Chief, Technical Services	

**Pentwater Harbor, MI**  
**Pentwater Harbor**  
**PE\_01\_TWR\_20210708\_CS**  
**08 July 2021**



- 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'



**NOTES:**

1. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.
2. GRIDS SHOWN ARE BASED ON THE NATIONAL GEODETIC SURVEY PROJECTION TABLES, STATE OF MICHIGAN, SOUTH ZONE (2113), LAMBERT PROJECTION, 1983 NORTH AMERICAN DATUM, US SURVEY FOOT.
3. ALL SOUNDINGS ARE REFERENCED TO I.G.L.D. FOR LAKE MICHIGAN, ELEVATION 577.5 FT. ABOVE MEAN SEA LEVEL AT RIMOUSKI, QUEBEC.
4. VERTICAL WATER LEVEL READINGS WERE TAKEN FROM A FIXED GAGE MARK ALONG THE SHEET STEEL WALL NEAR CROSS SECTION 14+50E IN PENTWATER HARBOR, MI.
5. PROJECT DEPTH = 12.0 FEET
6. POSITIONING: APPLANIX POS M/V  
CORRECTIONS: MARINESTAR GNSS G2  
SONAR: ODOM SINGLEBEAM ECHOSOUNDER  
SOFTWARE: HYPACK 2018  
VESSEL: LAUNCH 3058  
2014 AERIAL PHOTOGRAPHY DATA SOURCE: NAIP  
\*\* SHOALEST SOUNDING PER QUARTER PER REACH.

**Sheet Reference Number**  
**1 of 1**