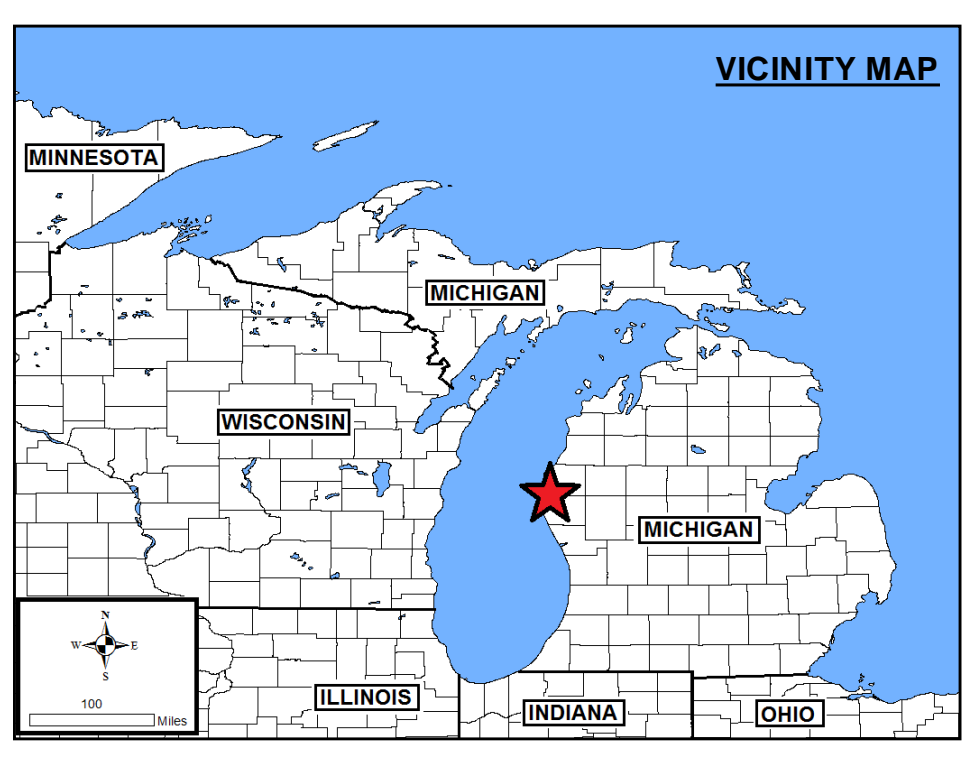
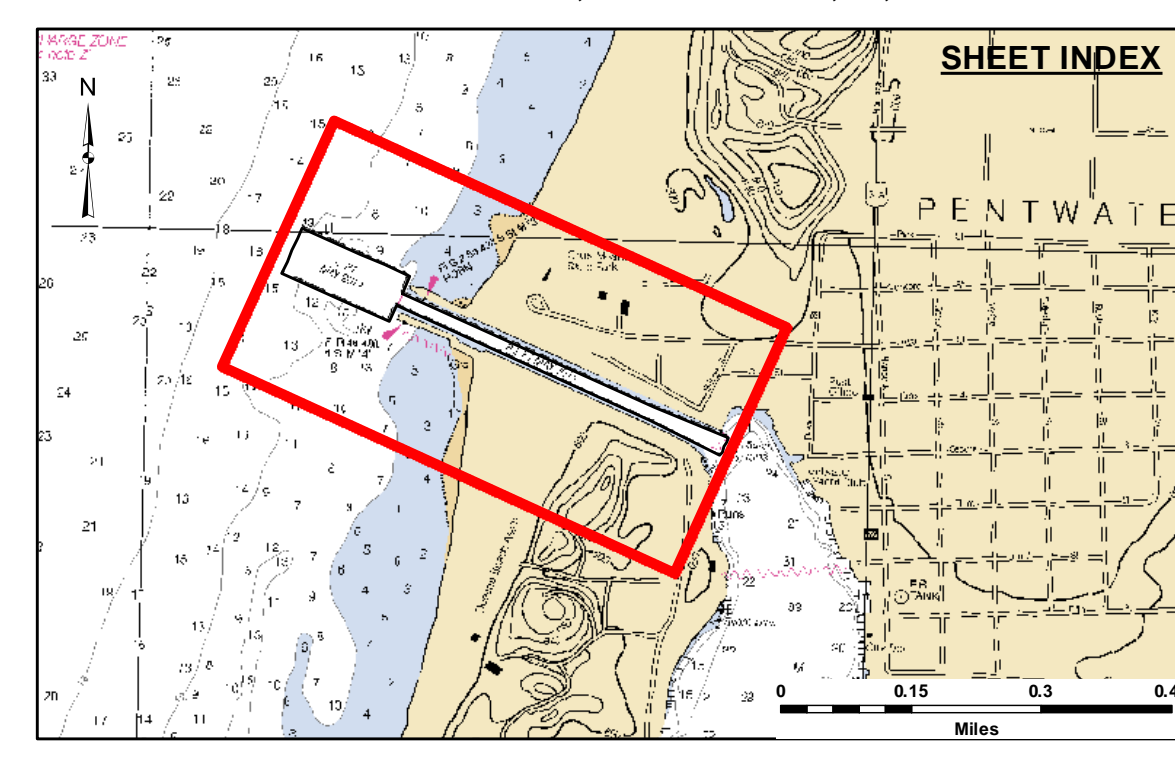




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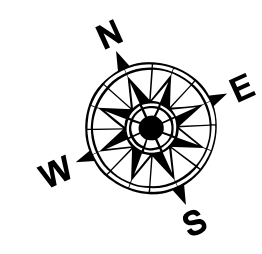


LEGEND

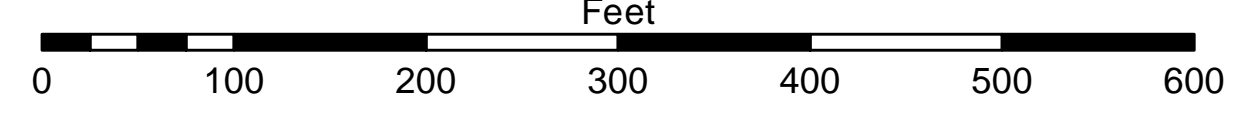
- Cable Submarine
- - - Cable Overhead
- Placement Area
- ⊥ Beacon, General
- Contour Lines
- ▭ Channel Limits

SOUNDING LEGEND

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



1 inch = 100 feet



NOTES:

1. THE SOUNDINGS INDICATED HEREON ARE GENERALIZED DEPTHS AND ARE NOT REPRESENTATIVE OF THE FULL DATASET. THE SOUNDINGS REPRESENT THE MINIMUM DEPTH FOUND WITHIN THE 10 FOOT BY 10 FOOT AREA CENTERED ON THE TEXT. DERIVED FROM A 1 FOOT BY 1 FOOT AVERAGE DATASET AT CELL CENTER. THIS MAP SHOULD NOT BE USED FOR CHANNEL CLEARANCE OR VOLUME COMPUTATIONS. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SHOAL REMOVAL OPERATIONS AND NOTICES TO NAVIGATION INTERESTS.
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: OMNISTAR GNSS G2
SONAR: R2SONIC 2024 MULTIBEAM
SOFTWARE: HYPACK 2018
VESSEL: LAUNCH 3058

2014 AERIAL PHOTOGRAPHY DATA SOURCE: NAIP

U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

Submitted By:	Surveyed By:
Recommended By: Chief, Survey Section	Plotted By:
Approved By: Chief, Technical Services	Checked By:

Pentwater Harbor, MI
Pentwater Harbor
PE_01_TWR_20200814_CS
14 August 2020

Sheet Reference Number
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