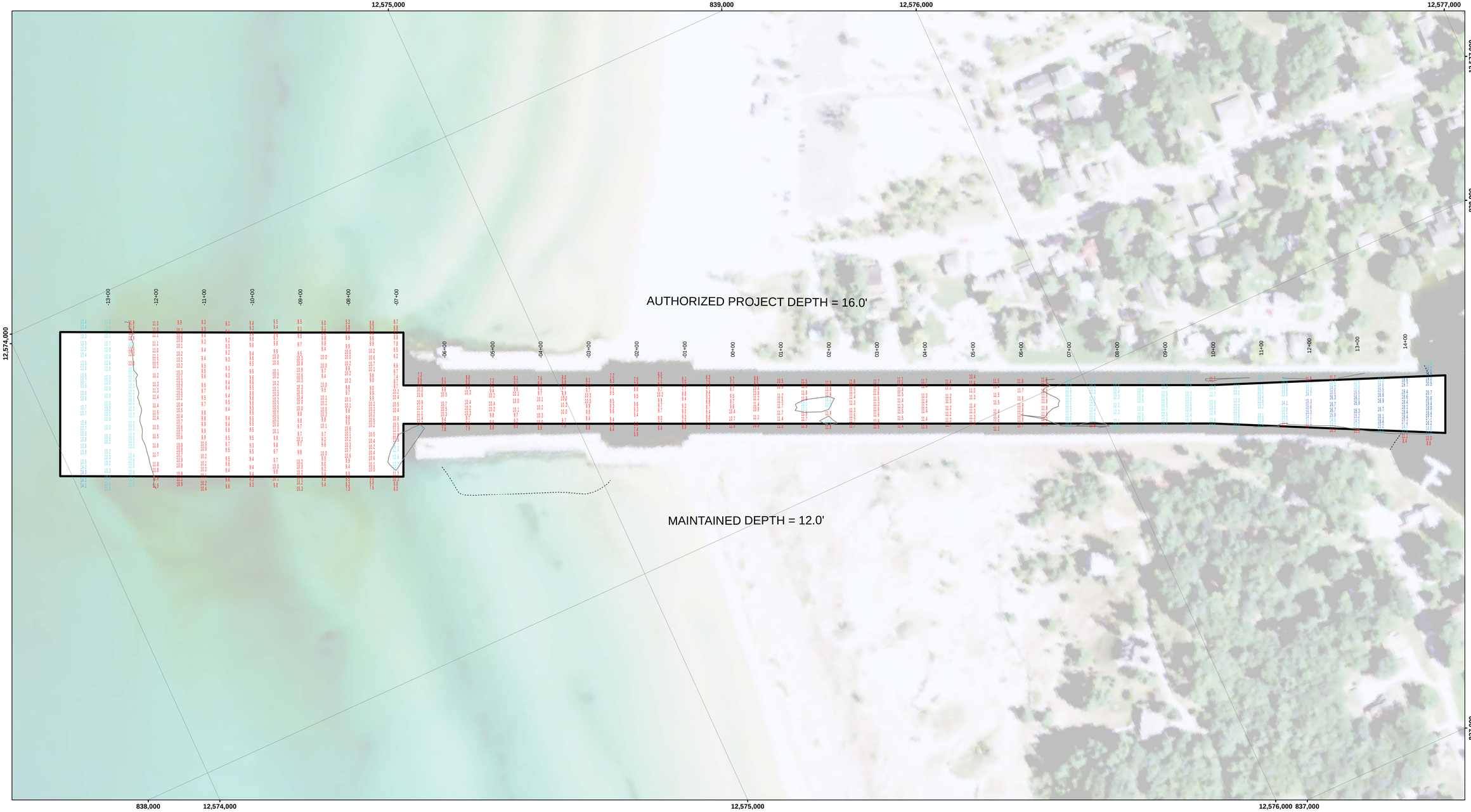

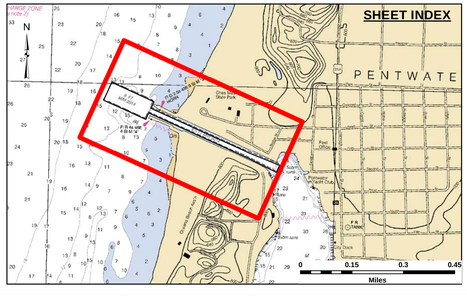

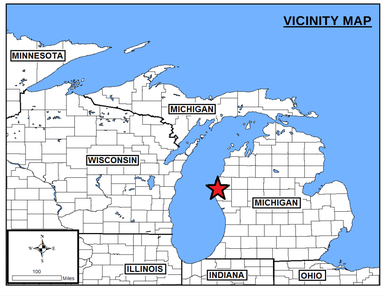

LEGEND

- 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

Feet

0 100 200 300 400 500 600

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.

US Army Corps of Engineers
District: CELRE

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U.S. ARMY CORPRS OF ENGINEERS
DETROIT DISTRICT

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

Pentwater Harbor, MI
Pentwater Harbor
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12 August 2022

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