CORPS OF ENGINEERS

U.S. ARMY

86°26'0" W 86°25'50" W 86°25'40" W 86°25'30" W 86°25'20" W

43°22'30" N

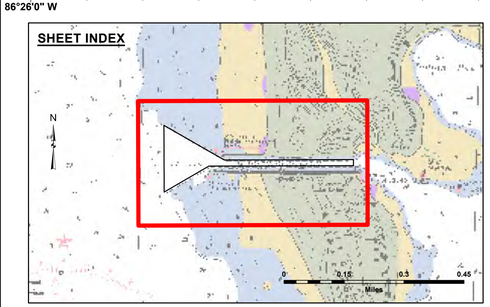
MAINTAINED DEPTH = 12.0'

AUTHORIZED PROJECT DEPTH = 16.0'

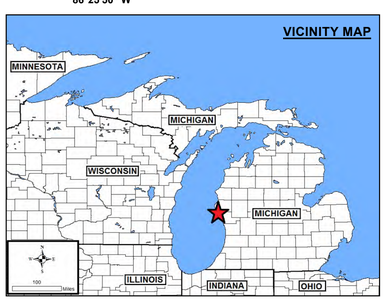
-14+00 -13+00 -12+00 -11+00 -10+00 -09+00 -08+00 -07+00 -06+00 -05+00 -04+00 -03+00 -02+00 -01+00 00+00 01+00 02+00 03+00 04+00 05+00 06+00 07+00 08+00 09+00 10+00 11+00

86°26'0" W 86°25'50" W 86°25'40" W 86°25'30" W 86°25'20" W

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:

1. THE SOUNDINGS INDICATED HEREON ARE GENERALIZED DEPTHS AND NOT REPRESENTATIVEOF 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 ARE PRODUCED FOR STRIKE/SHOAL REMOVAL OPERATIONS AND NOTICES TO NAVIGATION INTERESTS.

2. THE GRID SHOWN REFERENCES LATITUDE/LONGITUDE DISPLAYED AS DEGREES, MINUTES, SECONDS IN 10 SECOND INCREMENTS. THE SURVEY DATA REPRESENTED HEREIN ARE PROJECTED TO THE MICHIGAN STATE PLANE, SOUTH ZONE (2113), NORTH AMERICAN DATUM 1983 (NAD83), US SURVEY FOOT.

3. ALL SOUNDINGS ARE REFERENCED TO THE INTERNATIONAL GREAT LAKES DATUM OF 1985 (IGLD85) FOR LAKE MICHIGAN, ELEVATION 577.5 FEET ABOVE MEAN SEA LEVEL AT RIMOUSKI, QUEBEC.

4. WATER LEVEL READINGS WERE OBTAINED WITH REAL TIME KINEMATIC (RTK) GLOBAL POSITIONING SYSTEM (GPS) VALUES VERIFIED TO MATCH READINGS TAKEN FROM A FIXED TIDE GAGE MARK ALONG THE SOUTH SHEET STEEL WALL NEAR CROSS SECTION 11+00E IN WHITE LAKE HARBOR, MI.

5. MAINTAINED DEPTH = 12.0 FEET

6. POSITIONING SYSTEM: APPLANIX POS M/V OCEANMASTER
CORRECTIONS: CENTERPOINT RTX
SURVEY METHOD: RTK TIDES
SONAR: R2SONIC 2024-V MULTIBEAM ECHOSOUNDER
SOFTWARE: HYPACK 2024
VESSEL: LAUNCH 3058

IMAGERY SOURCED FROM: ESRI, VANTOR, EARTHSTAR GEOGRAPHICS, AND THE GIS USER COMMUNITY

US Army Corps of Engineers
District: CELRE

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U.S. ARMY COPRPS OF ENGINEERS
DETROIT DISTRICT

Surveyed By: _____

Plotted By: _____

Checked By: _____

Submitted: _____

Recommended: Chief, Survey Section

Approved: Chief, Technical Services

White Lake Harbor, MI
White Lake Harbor
WH_01_ITE_20260813_CS
13 August 2026

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