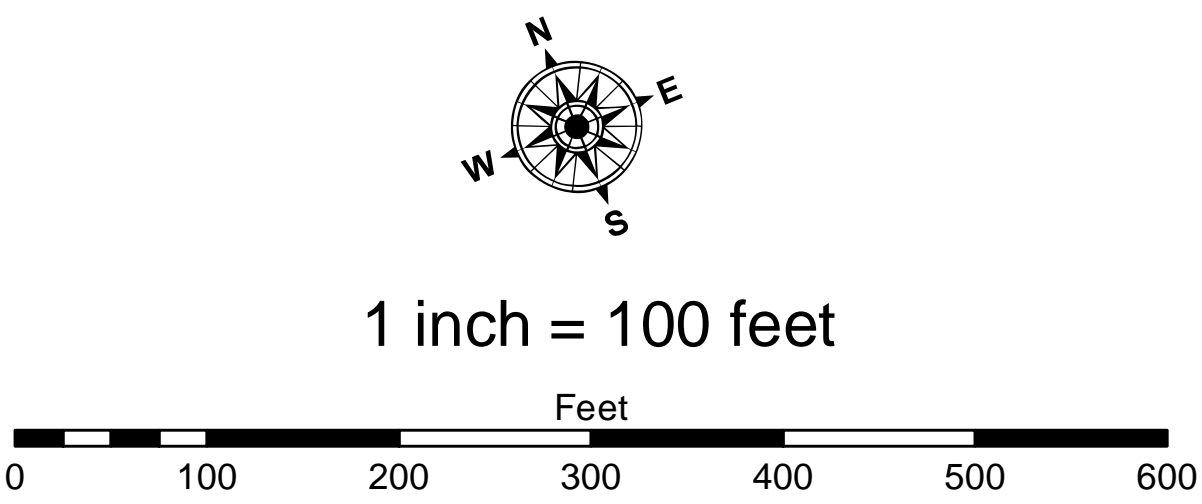


- LEGEND**
- ..... Cable Submarine
  - - Cable Overhead
  - ⌋ Beacon, General
  - Contour Lines
  - ▭ Channel Limits

- 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 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. 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, CENTRAL ZONE (212), LAMBERT PROJECTION, 1983 NORTH AMERICAN DATUM, US SURVEY FOOT.
3. ALL SOUNDINGS ARE REFERENCED TO I.G.L. FOR LAKE MICHIGAN, ELEVATION 577.5 FT. ABOVE MEAN SEA LEVEL AT RIMOUSKI, QUEBEC.
4. HYDRAULIC CORRECTOR OF 0.2 FEET APPLIED.
5. PROJECT DEPTH = 18.0 FEET
6. POSITIONING: APPLANIX POS M/V  
CORRECTIONS: OMNISTAR GNSS G2  
SONAR: R2SONIC 2024 MULTIBEAM  
SOFTWARE: HYPACK 2018  
VESSEL: LAUNCH 3058

2010 AERIAL PHOTOGRAPHY DATA SOURCE: USGS

Charlevoix Harbor, MI  
Charlevoix Harbor  
CH\_01\_CVH\_20200723\_CS  
23 July 2020

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Reference  
Number  
2 of 2

Revision Number:  
4.1-20191105



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