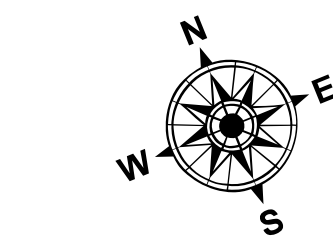
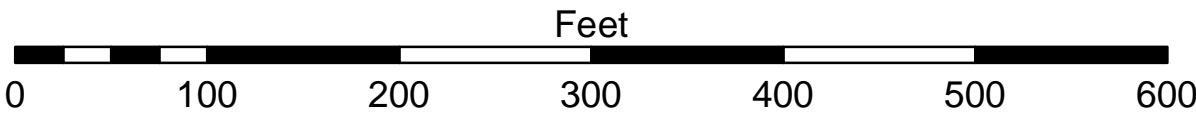


- LEGEND**
- Cable Submarine
 - - Cable Overhead
 - ⌋ Beacon, General
 - Contour Lines
 - Channel Limits

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



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. THIS MAP SHOULD NOT BE USED FOR CHANNEL CLEARANCE OR VOLUME COMPUTATIONS. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SOAL REMOVAL OPERATIONS AND NOTICES TO NAVIGATION INTERESTS.
 2. GRIDS SHOWN ARE BASED ON THE NATIONAL GEODETIC SURVEY PROJECTION TABLES, STATE OF MICHIGAN, CENTRAL ZONE (2112), LAMBERT PROJECTION, 1983 NORTH AMERICAN DATUM, US SURVEY FOOT.
 3. ALL SOUNDINGS ARE REFERENCED TO I.G.L.D. 1985 FOR LAKE MICHIGAN, ELEVATION 577.5 FT. ABOVE MEAN SEA LEVEL AT RIMOUSKI, QUEBEC.
 4. PROJECT DEPTH = 18.0 FEET
 5. POSITIONING: APPLANIX POS M/V CORRECTIONS; MARINESTAR GNSS G2+ SONAR: RZSONIC 2024 MULTIBEAM SOFTWARE: HYPACK 2022 VESSEL: LAUNCH 3058
- 2010 AERIAL PHOTOGRAPHY DATA SOURCE: USGS



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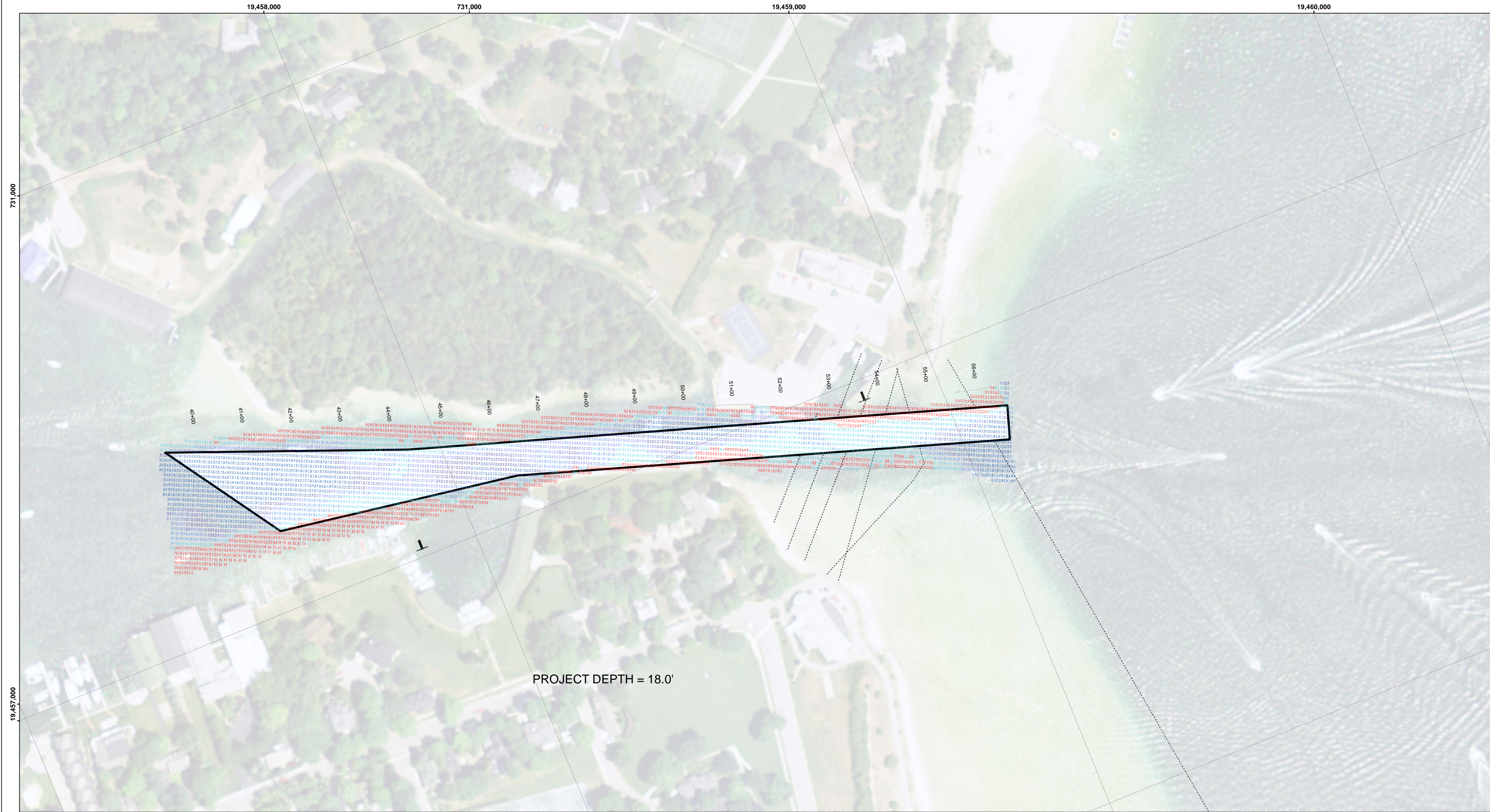
Submitted:	Surveyed By:
Recommended:	Plotted By:
Approved:	Checked By:

U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

Chief, Survey Section
Chief, Technical Services Branch

Charlevoix Harbor, MI
Charlevoix Harbor
CH_01_CVH_20231004_CS
04 October 2023

Sheet
Reference
Number
1 of 2



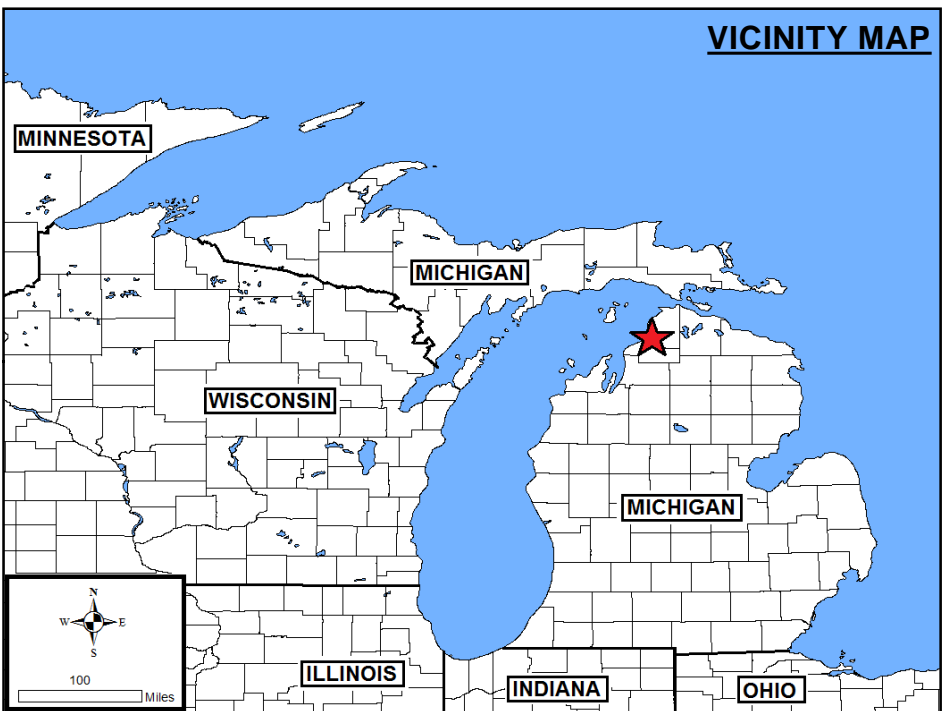
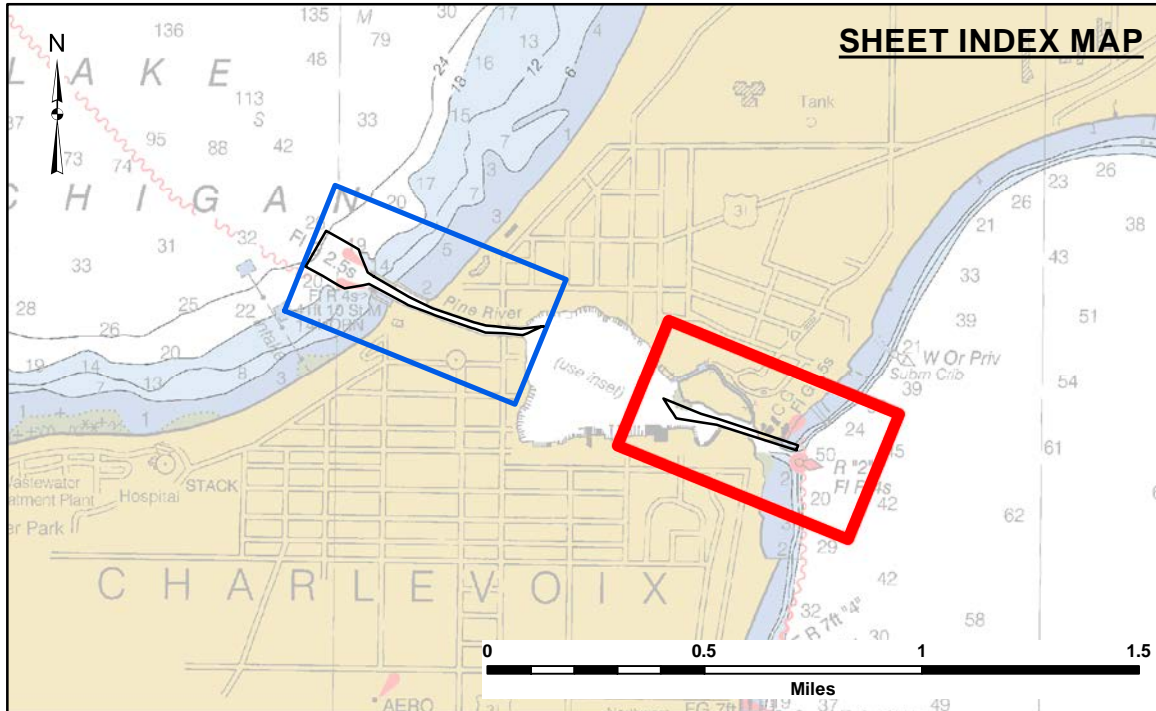
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U.S. ARMY CORPS OF ENGINEERS DETROIT DISTRICT	
Submitted:	Surveyed By:
Recommended: Chief, Survey Section	Plotted By:
Approved: Chief, Technical Services Branch	Checked By:

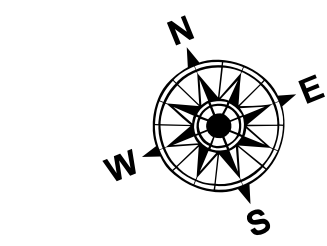
Charlevoix Harbor, MI
Charlevoix Harbor
CH_01_CVH_20231004_CS
04 October 2023

Sheet
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Number
2 of 2

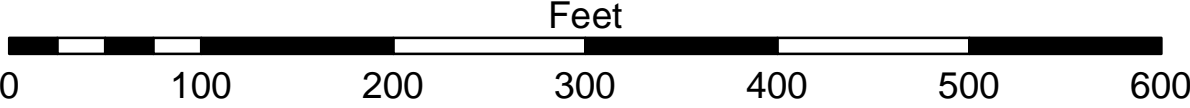


LEGEND
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2010 AERIAL PHOTOGRAPHY DATA SOURCE: USGS