



**US Army Corps  
of Engineers®**

DETROIT DISTRICT

ATTN: CELRE-DE  
477 MICHIGAN AVENUE  
DETROIT MI 48226-2575  
[HTTP://WWW.LRE.USACE.ARMY.MIL/](http://www.lre.usace.army.mil/)

**DATE:** 10/25/2022

**POC:** Elizabeth  
Wilkinson  
(616) 240-7989

## NOTICE TO NAVIGATION INTERESTS

**NOTICE NUMBER:** 201474

**LOCAL NUMBER:** L22-18  
**WATERWAY:** HOLLAND HARBOR

**EFFECTIVE:** 10/25/2022 11:09 thru Until Further  
Notice

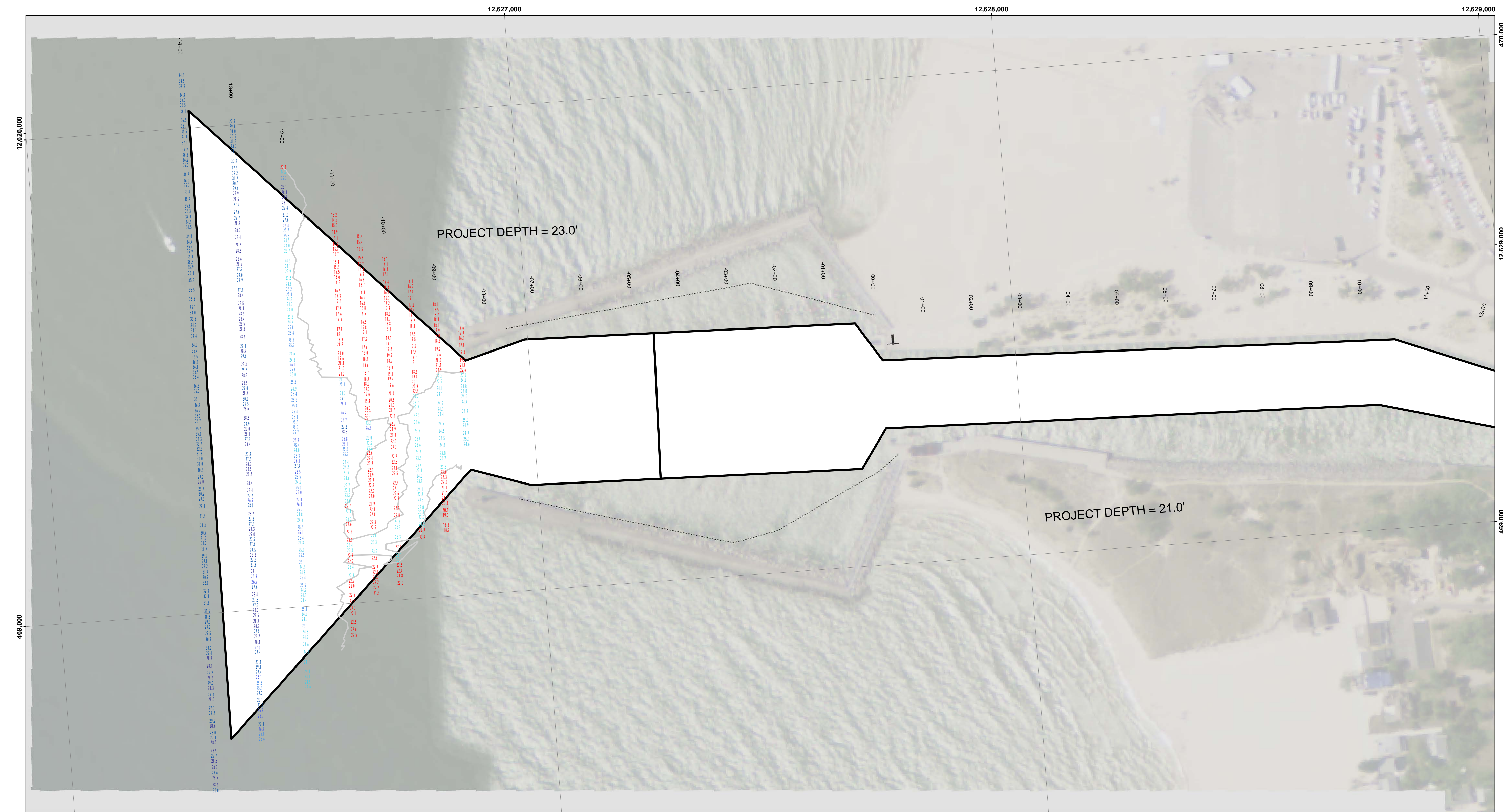
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### **REPORTED SHOALING – HOLLAND HARBOR, MI**

1. Recent project condition surveys at Holland Harbor, MI, indicate shoaling in the navigation channel.
2. Shoaling is present at the entrance of the channel throughout project stationing -08+00 to -12+00 with depths as shallow as 20.2 feet below the International Great Lakes Datum of 1985 (IGLD85), Low Water Datum (LWD) in the center of the channel. Project depth for the reach of navigation channel is authorized to 23.0' below IGLD85, LWD.
3. The most recent project condition survey is attached to this notice.
4. Questions regarding this notice may be directed to the Grand Haven Resident Engineer, Ms. Elizabeth Wilkinson at (616)240-7989. Our internet address is: <https://www.lre.usace.army.mil/Missions/Operations/>

//signed//

CYNTHIA A. JAREMA



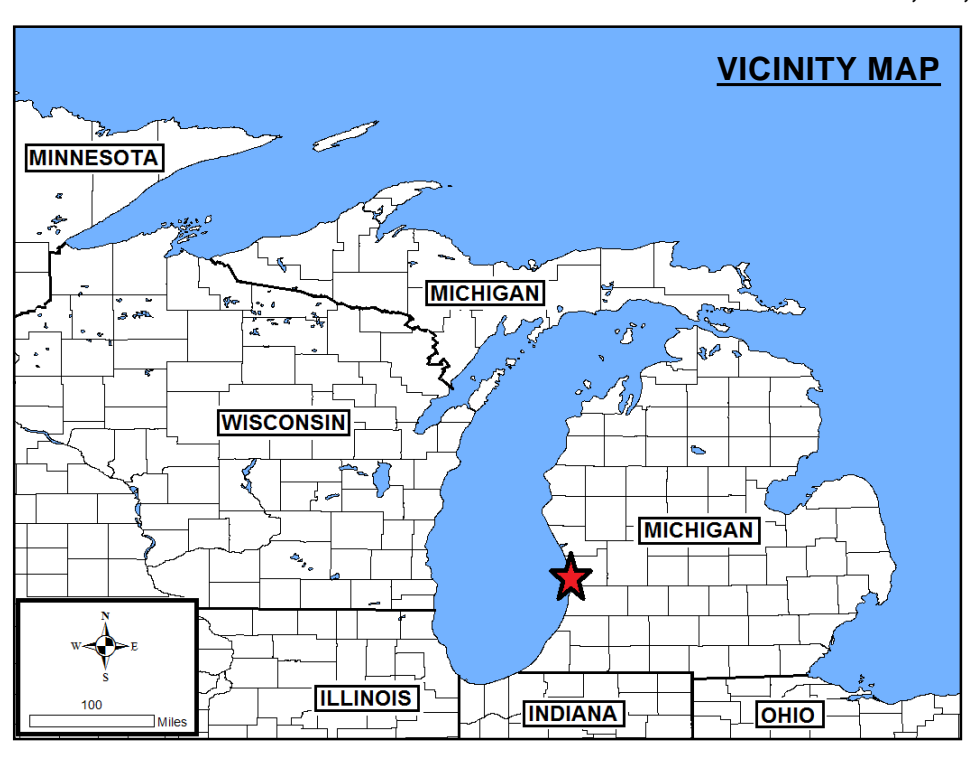
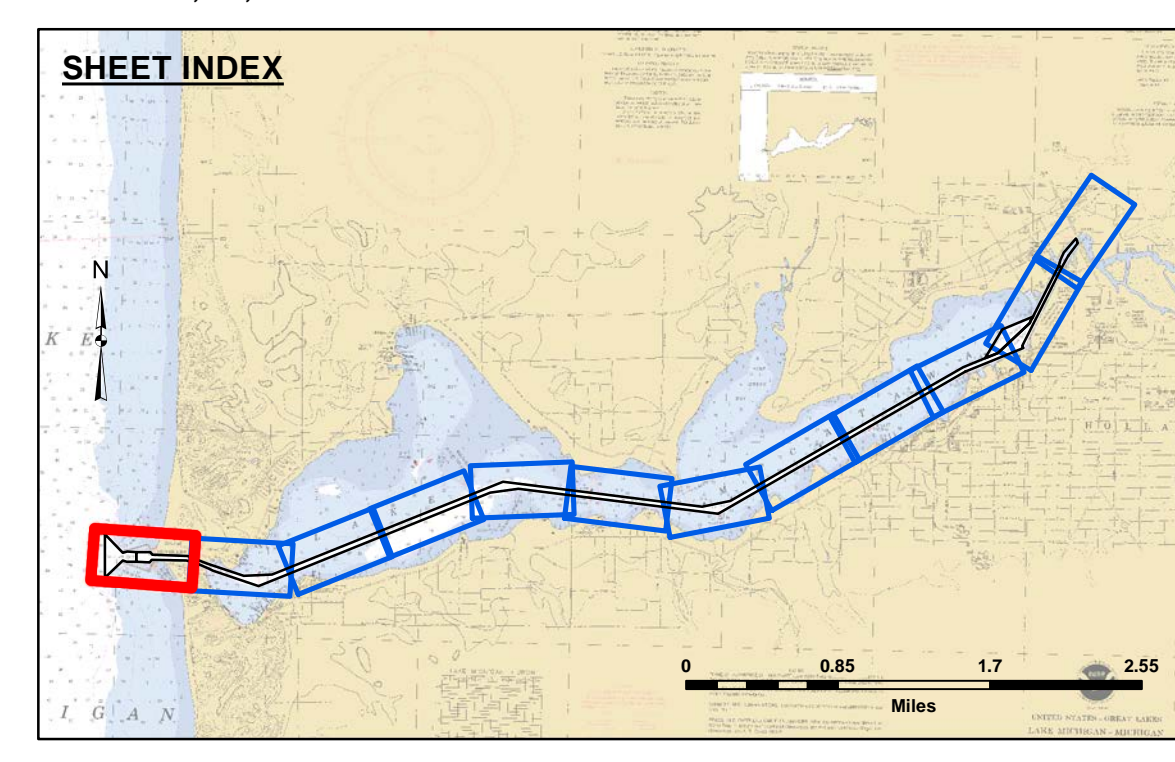
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U.S. ARMY CORPS OF ENGINEERS DETROIT DISTRICT		
Submitted:	Surveyed By:	
Recommended:	Plotted By:	
Approved:	Chief, Survey Station	
	Chief, Technical Services	

**HOLLAND HARBOR, MI**  
Holland Harbor  
HO\_01\_LND\_20221021\_CS  
21 October 2022

**Sheet Reference Number**  
1 of 12

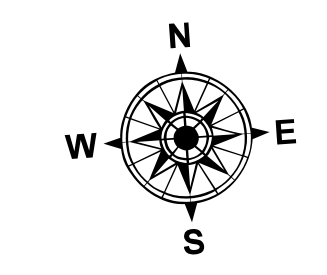


**LEGEND**

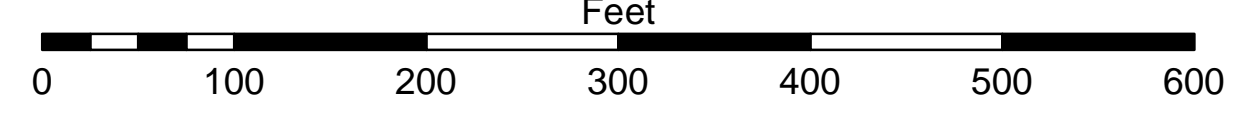
- ..... Cable Submarine
- - - Cable Overhead
- Placement Area
- ⊥ Beacon, General
- Contour Lines
- ▭ Channel Limits

**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. 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, 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 THE NOAA GAGE HOUSE LOCATED ON THE NORTH SIDE OF THE CHANNEL NEAR CROSS SECTION 1+000 IN HOLLAND HARBOR, MI.
5. PROJECT DEPTH = 23.0-21.0 FEET
6. POSITIONING: APPLANIX POS MV  
CORRECTIONS: OMNISTAR GNSS G2  
SONAR: R2SONIC 2024 MULTIBEAM  
SOFTWARE: HYPACK 2020  
VESSEL: LAUNCH 3058

2010 AERIAL PHOTOGRAPHY DATA SOURCE: USGS