US Army Corps of Engineers

NOTICE TO NAVIGATION INTERESTS

DETROIT DISTRICT

DATE: 06/22/2023

NOTICE NUMBER: 202895
LOCAL NUMBER: L23-13
WATERWAY: BLACK RIVER, MI (UPPER PENINSULA)

ATTN: CELRE-DE
477 MICHIGAN AVENUE
DETROIT MI 48226-2575
HTTP://WWW.LRE.USACE.ARMY.MIL/

POC: Steven Brossart

EFFECTIVE: 06/22/2023 12:00 thru Until Further Notice

REPORTED SHOALING – BLACK RIVER, UPPER PENINSULA, MI

1. Recent project condition surveys at Black River, Upper Peninsula, MI, indicate shoaling in the navigation channel.

2. Shoaling is present at the entrance of the channel throughout project stationing 02+00 to 06+00 with depths ranging from 0 to 9.5 feet above project depth. Project depth for the outer navigation channel is authorized to 12.0’ below International Great Lakes Datum (IGLD85), Low Water Datum (LWD).

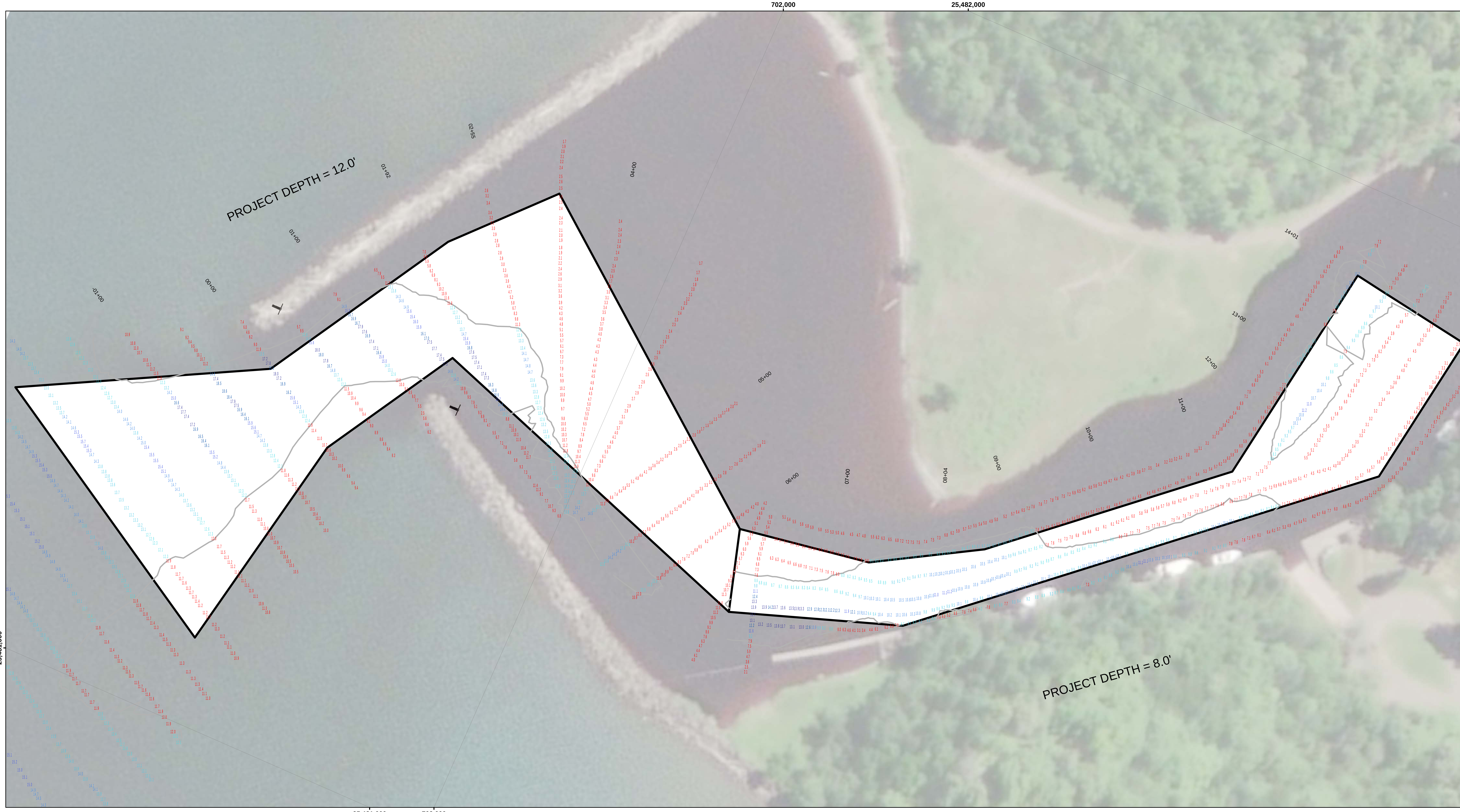
Additional shoaling is present throughout project stationing 09+00 to 14+00 with depths ranging from 0 to 5 feet above project depth within the inner harbor navigation channel. Project depth for this reach of navigational channel is authorized to 8.0’ below International Great Lakes Datum (IGLD85), Low Water Datum (LWD).

3. The most recent project condition survey is attached to this notice.

4. Questions regarding this notice may be directed to the Duluth Operations Manager, Steven Brossart at (218) 788-6402. Our internet address is: https://www.lre.usace.army.mil.Missions/Operations/

//signed//

CYNTHIA A. JAREMA
Chief, Operations & Maintenance Branch
USACE-Detroit



US Army Corps of Engineers
District: CELRE

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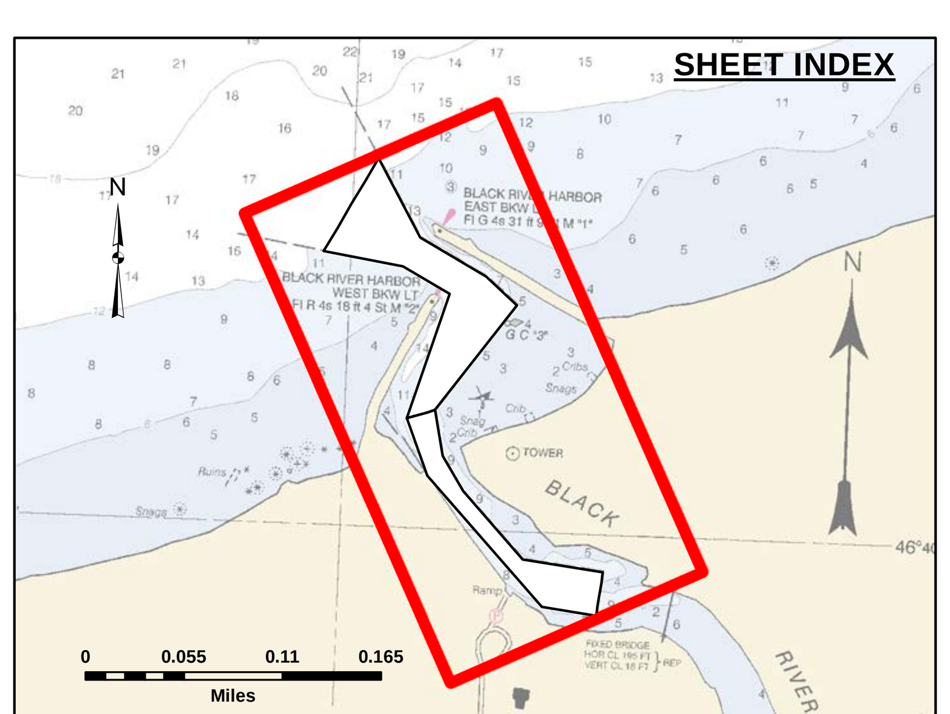
U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

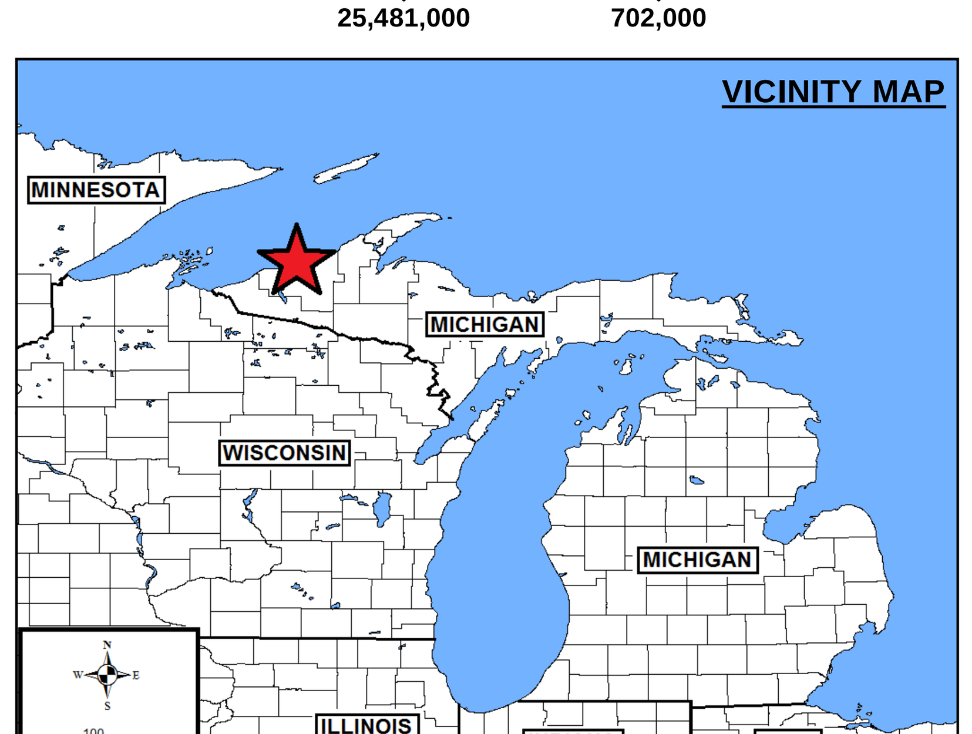
Surveyed By:
Plotted By:
Checked By:
Submitted:
Recommended: Chief, Survey Section
Approved: Chief, Technical Services

Black River, Upper Peninsula, MI
Black River (UP)
BK_01_RIV_20230601_CS
01 June 2023

SHEET INDEX



VICINITY MAP

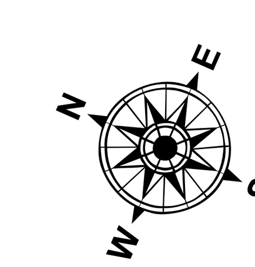


LEGEND

- 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'



1 inch = 50 feet

Feet
0 50 100 150 200 250

NOTES:

1) THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THAT TIME.

2) SOUNDING DEPTHS ARE REFERENCED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD85) LOW WATER DATUM ELEVATION 601.1 FEET ABOVE MEAN WATER LEVEL AT RIMOUSKI, QUEBEC. WATER LEVEL READINGS WERE OBTAINED WITH RTK GPS VALUES. DEPTHS ARE MEASURED USING A TELEDYNE ECHOTRAC E20 PORTABLE SURVEY SOUNDER.

3) HORIZONTAL POSITIONING IS DETERMINED USING THE REAL TIME KINEMATIC (RTK) GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS). CORRECTIONS ARE FROM A BASE STATION LOCATED AT USACE CONTROL POINT 1311. THE GPS RECEIVERS ARE MANUFACTURED BY TRIMBLE, MODELS SPA751 AND R10.

4) THE GRID COORDINATE SYSTEM IS MICHIGAN STATE PLANE, NORTH ZONE (2111), NORTH AMERICAN DATUM 1983 (NAD83), US SURVEY FOOT.

5) THE PROJECT DEPTHS FOR THIS AREA ARE 8.0' AND 12.0'.

IMAGERY SOURCED : ESRI

Sheet Reference Number
1 of 1

Revison Number:
4.2-20200420