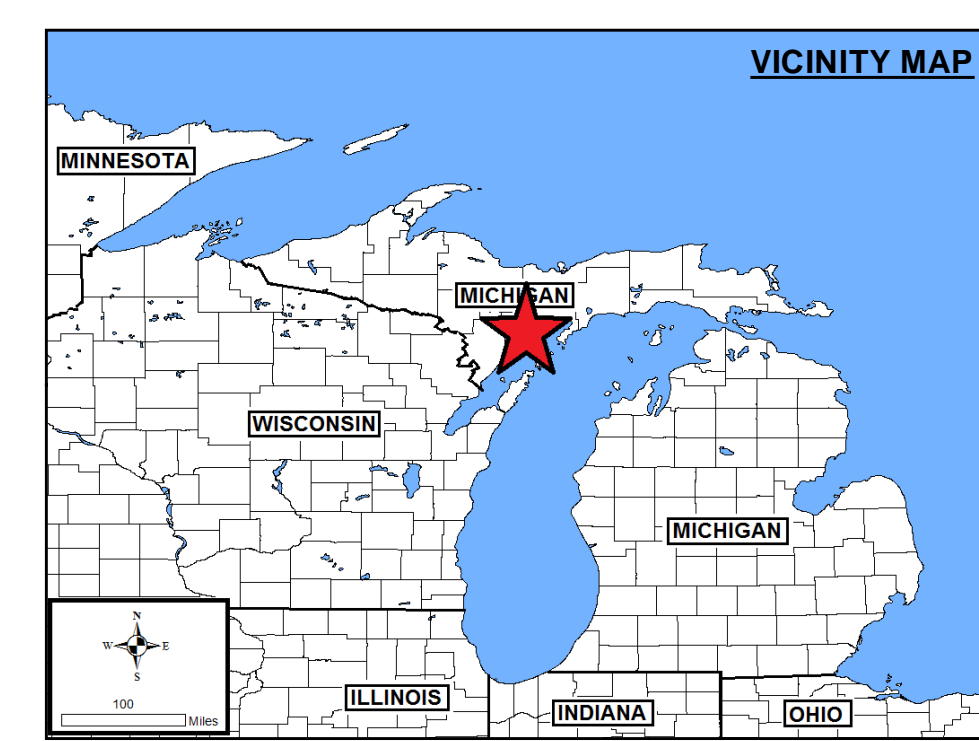
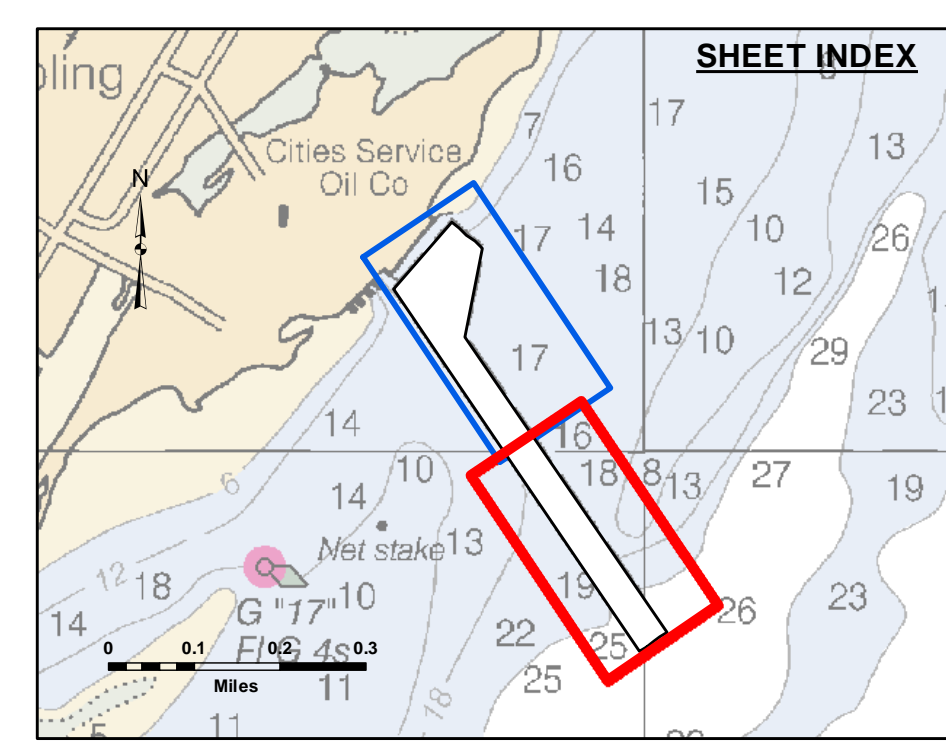


Disclaimer: The data represents the results of data collection/processing for a specific US Army Corps of Engineers activity and is not intended for general use. The user is responsible for the accuracy, completeness, and reliability of the data for any other than its intended purpose.

DISCLAIMER: The United States Government turns over these data to the recipient accoring and uses them with the express understanding that the recipient is not to be held responsible for any use of the data for any purpose other than that for which it was provided. The recipient may not transfer these data to others without also transferring the Disclaimer.

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

**U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT**

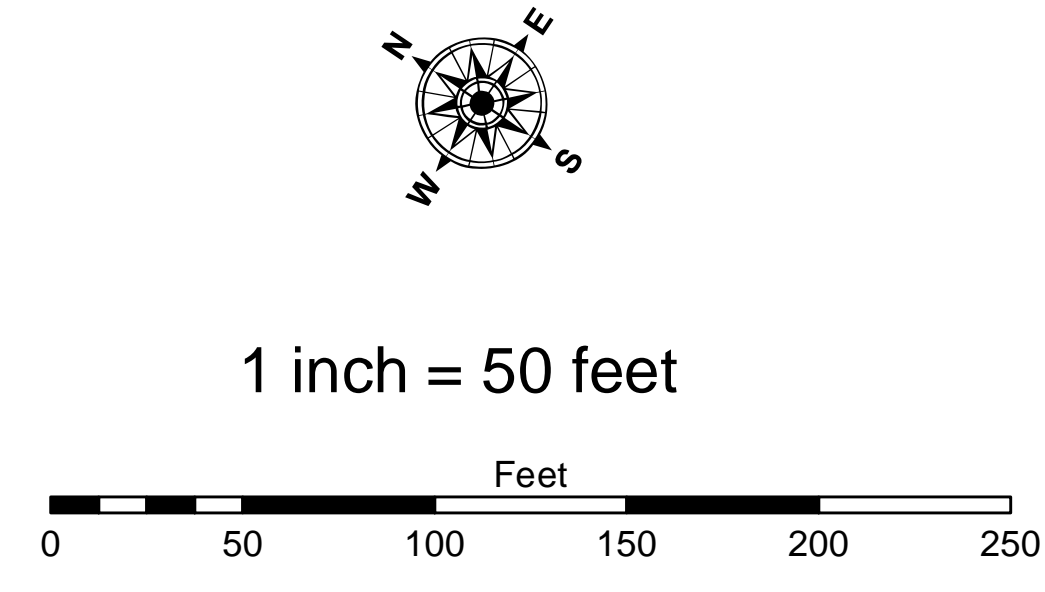


LEGEND

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

SOUNDING LEGEND

- Red: LESS THAN PROJECT DEPTH
- Light Blue: PROJECT DEPTH
- Medium Blue: PROJECT DEPTH +1'
- Dark Blue: PROJECT DEPTH +2'
- Very Dark Blue: PROJECT DEPTH +3'
- Black: PROJECT DEPTH +4'
- Dark Purple: PROJECT DEPTH +5'



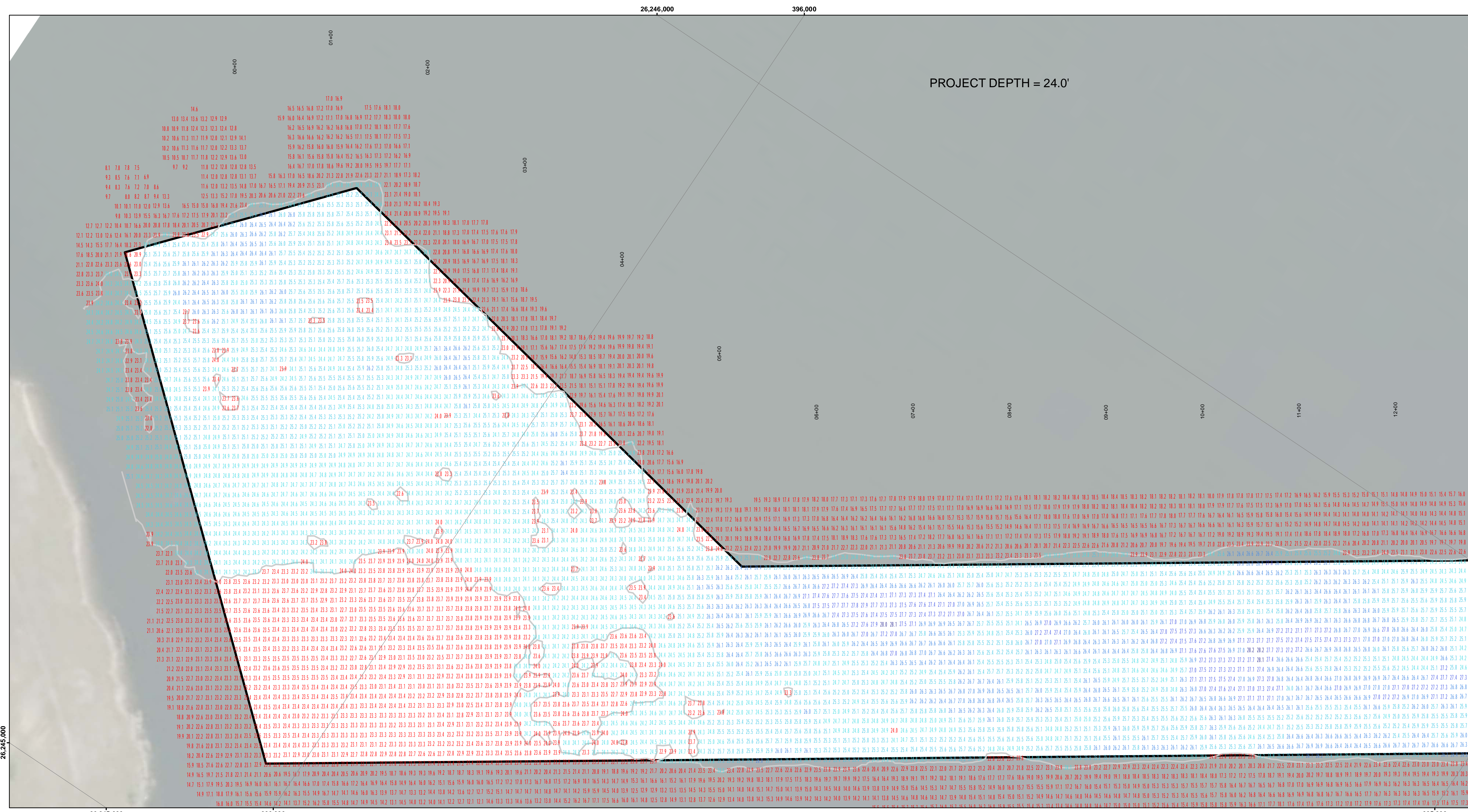
NOTES:

1. THE SOUNDINGS INDICATED HEREIN ARE GENERALIZED DEPTHS AND ARE NOT REPRESENTATIVE OF THE FULL DATASET. THE SOUNDINGS REPRESENT THE MINIMUM DEPTH FOUND WITHIN THE 10X10 FOOT AREA CENTERED ON THE TEXT, DERIVED FROM A 1X1 FOOT AVERAGE DATASET AT CELL CENTER. THIS MAP SHOULD NOT BE USED FOR CHANNEL CLEARANCE OR VOLUME COMPUTATIONS. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SHOAL REMOVAL OPERATIONS AND NOTICE TO NAVIGATION INTERESTS.
2. THE COORDINATE GRID SYSTEM SHOWN IS REFERENCED TO THE MICHIGAN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, NORTH ZONE 2111, NORTH AMERICAN DATUM 1983 (NAD83), US SURVEY FOOT.
3. ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). ALL SOUNDINGS ARE IN FEET AND ARE REFERENCED TO LOW WATER DATUM ELEVATION, 577.5 FEET ABOVE MEAN WATER LEVEL AT RIMOUSKI, QUEBEC (INTERNATIONAL GREAT LAKES DATUM 1985). NOAA GAUGE LOCATED AT MEMONIE, MI WAS USED TO DETERMINE THE WATER LEVEL. DEPTHS ARE MEASURED USING AN R2SONIC 2024 MULTIBEAM SONAR.
4. PROJECT DEPTH FOR THIS AREA IS 24.0'.
5. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON DAY INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THE TIME.
6. HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM (RTK). CORRECTIONS ARE PROVIDED BY THE MICHIGAN CONTINUOUSLY OPERATING REFERENCE STATIONS (COORS). THE GPS RECEIVER IS MANUFACTURED BY APPLANIX MARINE POSIMV VER 4.0.

Imagery Source: ESRI

Little Bay De Noc, MI
Little Bay De Noc (Gladstone)
LB_01_NOC_20230504_CS
04 May 2023

Sheet Reference Number
1 of 2



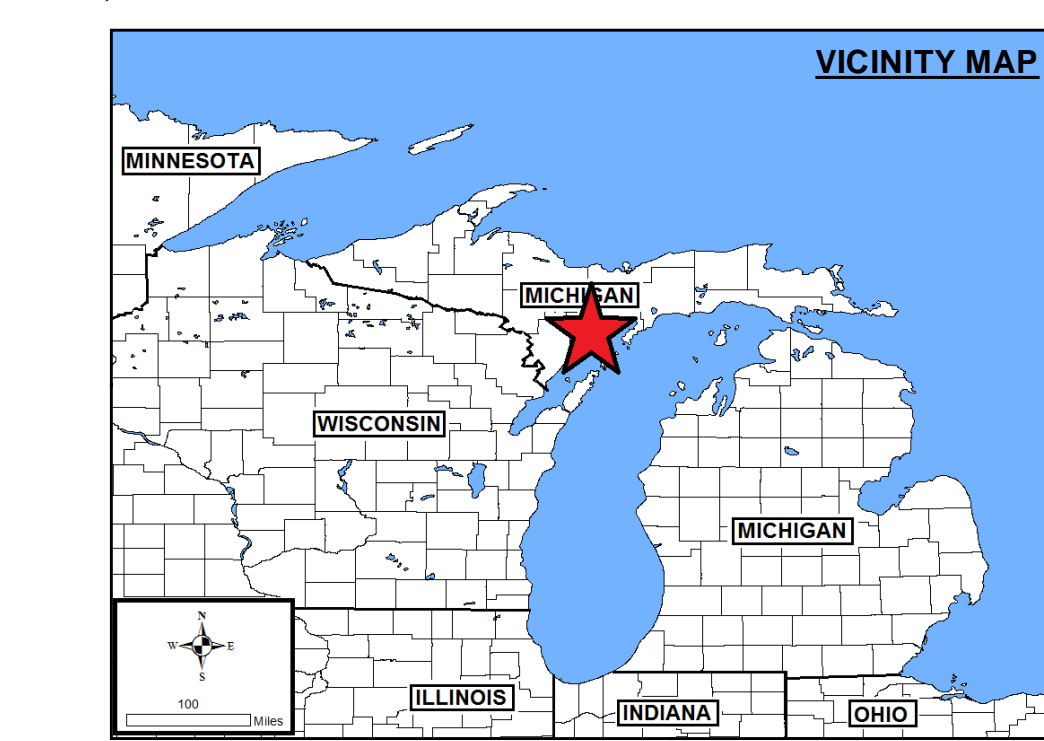
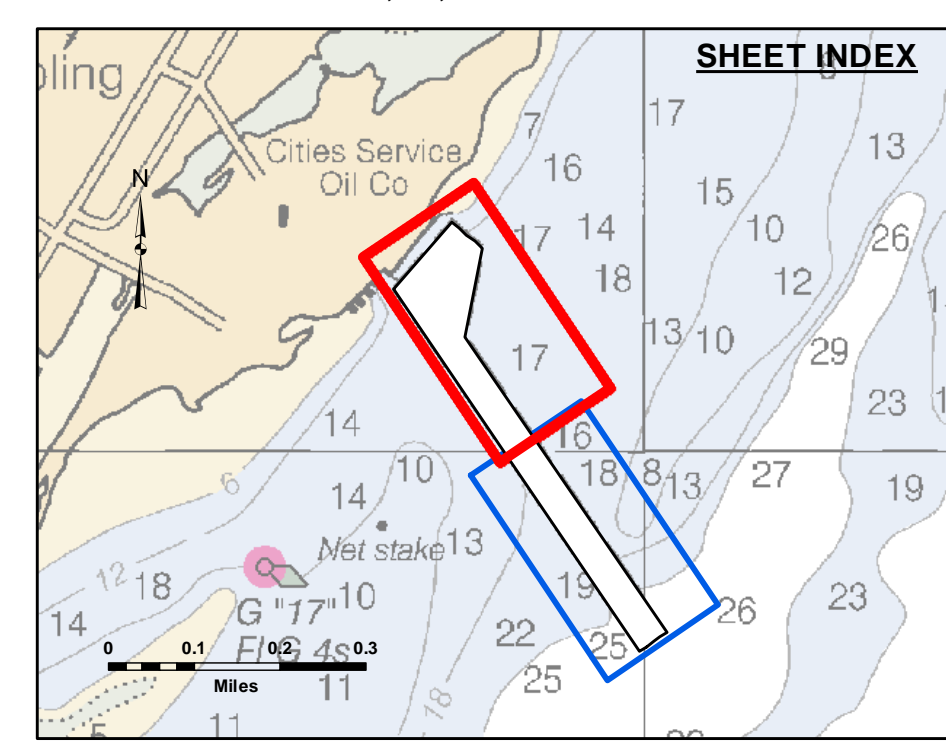
Disclaimer: The data presented in this report is the result of data collection and processing for a specific US Army Corps of Engineers project and does not represent the general existing conditions. Engineers assume and warrant the general accuracy of the data. The user is responsible for the accuracy, completeness, and reliability of the data for any application of the data for other than its intended purpose.

Table with 3 columns: Surveyed By, Plotted By, Checked By. All fields are empty.

U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT
Little Bay De Noc, MI
Little Bay De Noc (Gladstone)
LB_01_NOC_20230504_CS
04 May 2023

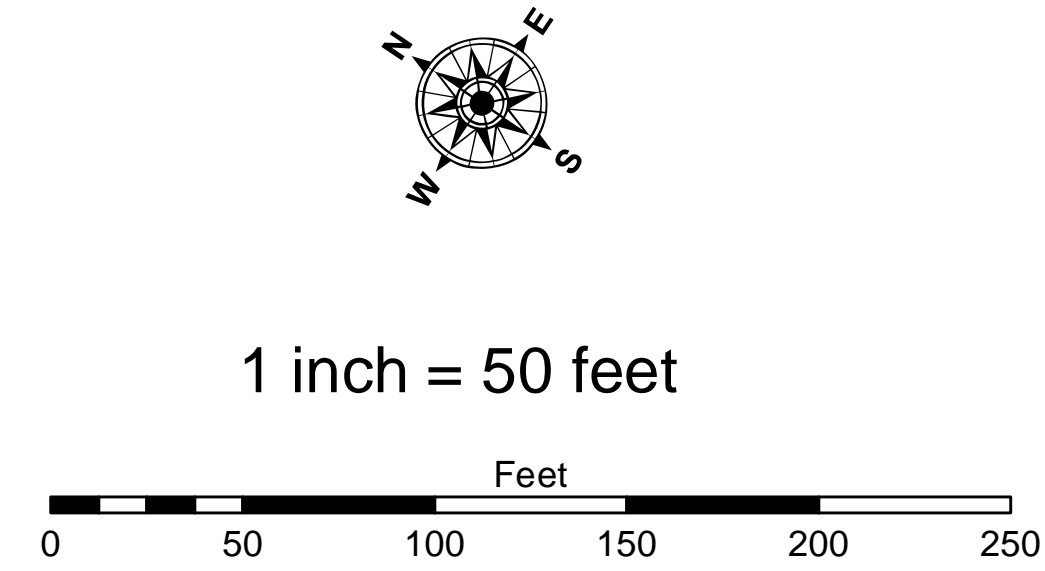
Sheet Reference Number
2 of 2

Revision Number:
4.2-20230430



- LEGEND
- - - Cable Submarine
- - - Cable Overhead
Placement Area
Beacon, General
Contour Lines
Channel Limits

- SOUNDING LEGEND
LESS THAN PROJECT DEPTH
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