



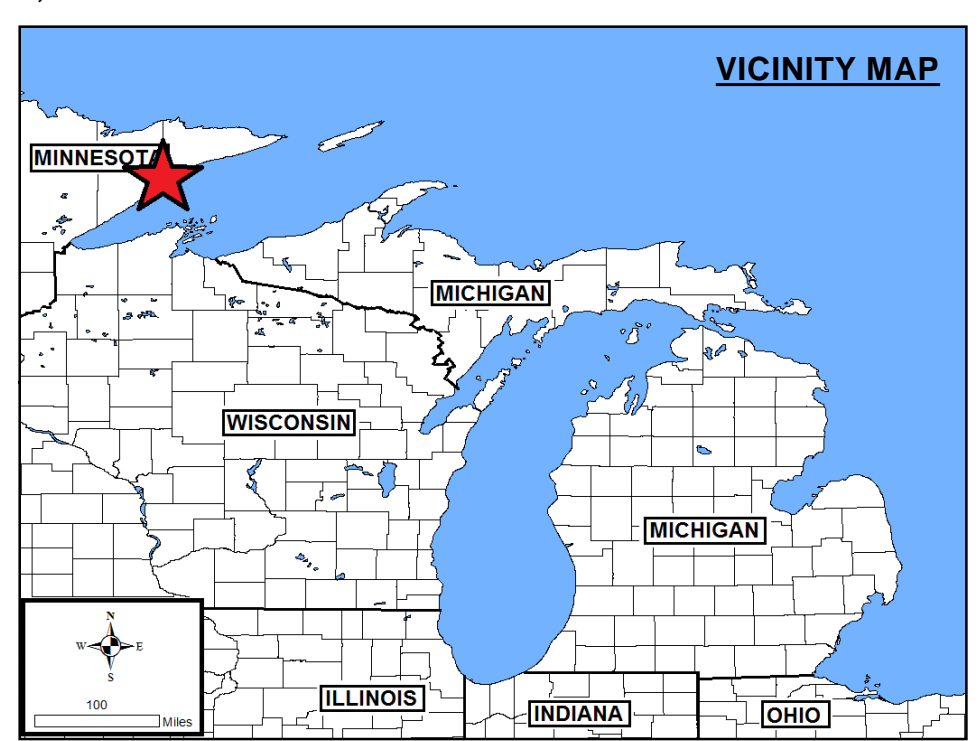
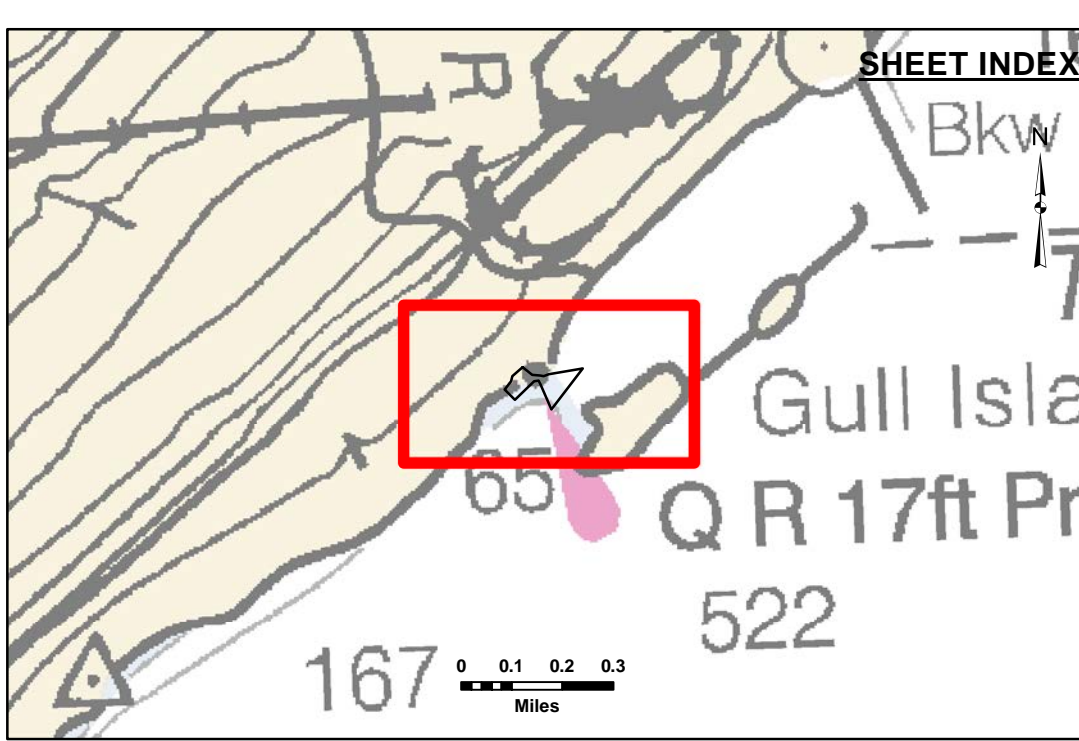
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U.S. ARMY CORPS OF ENGINEERS DETROIT DISTRICT	
Submitted:	Surveyed By:
Recommended: Chief, Survey Section	Plotted By:
Approved:	Checked By:

Taconite Harbor, MN (DNR)
Taconite Harbor (DNR)
TC_01_NTE_20230920_CS
20 September 2023

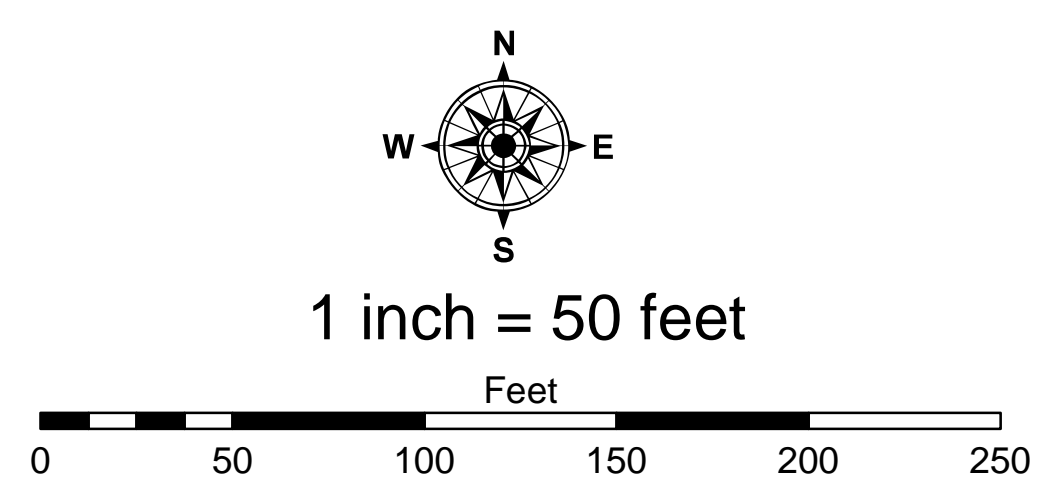
Sheet Reference Number
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LEGEND
— Contour Lines
▭ Channel Limits

SOUNDING LEGEND

Red	LESS THAN PROJECT 8 FEET BELOW LWD
Light Red	8 FEET BELOW LWD
Light Blue	9 FEET BELOW LWD
Medium Blue	10 FEET BELOW LWD
Dark Blue	11 FEET BELOW LWD
Very Dark Blue	12 FEET BELOW LWD
Black	13+ FEET BELOW LWD



- NOTES:**
- 1) THE INFORMATION DEPICTED ON THIS CHART 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 (IGLD 85) 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 REAL TIME KINEMATIC (RTK) GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS) CORRECTIONS FROM A BASE STATION LOCATED AT USACE CONTROL POINT 506, A PK NAIL SET IN CONCRETE NEAR THE NORTHWESTERLY CORNER OF THE BOAT RAMP. THE GPS RECEIVERS ARE MANUFACTURED BY TRIMBLE, MODELS SPS751 AND R10.
 - 4) THE GRID COORDINATE SYSTEM IS MINNESOTA STATE PLANE, NORTH ZONE (2201), NORTH AMERICAN DATUM 1983 (NAD83), US SURVEY FOOT.
 - 5) THERE ARE NO AUTHORIZED NAVIGATION CHANNEL LIMITS OR AUTHORIZED CHANNEL DEPTHS FOR TACONITE HARBOR, MN. THIS IS A MN-DNR HARBOR WITH USACE STRUCTURES.