

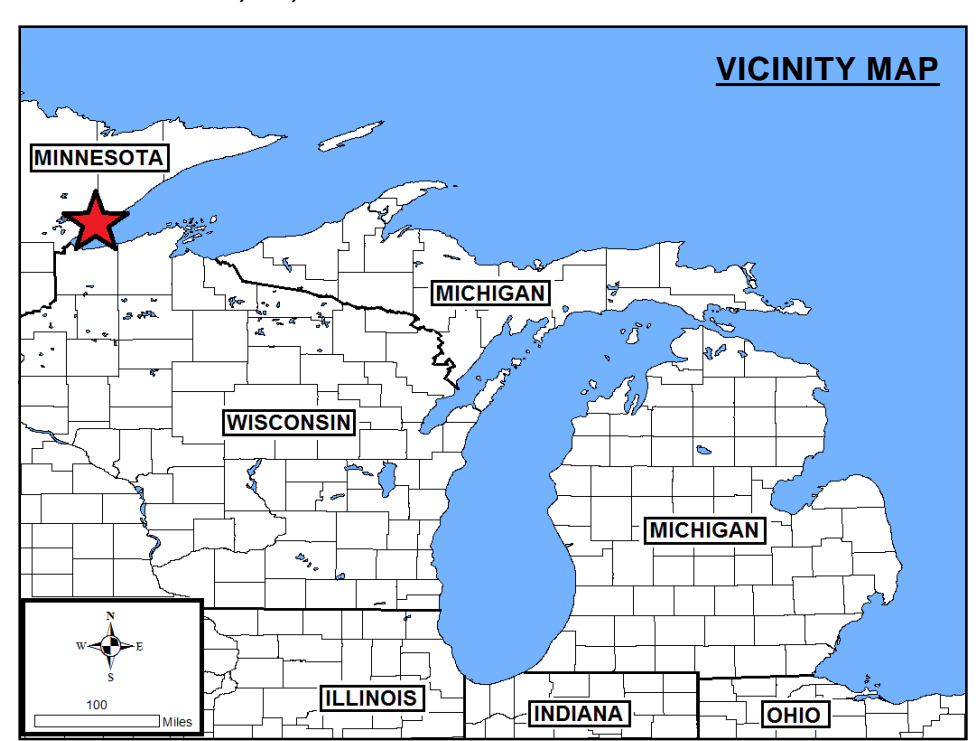
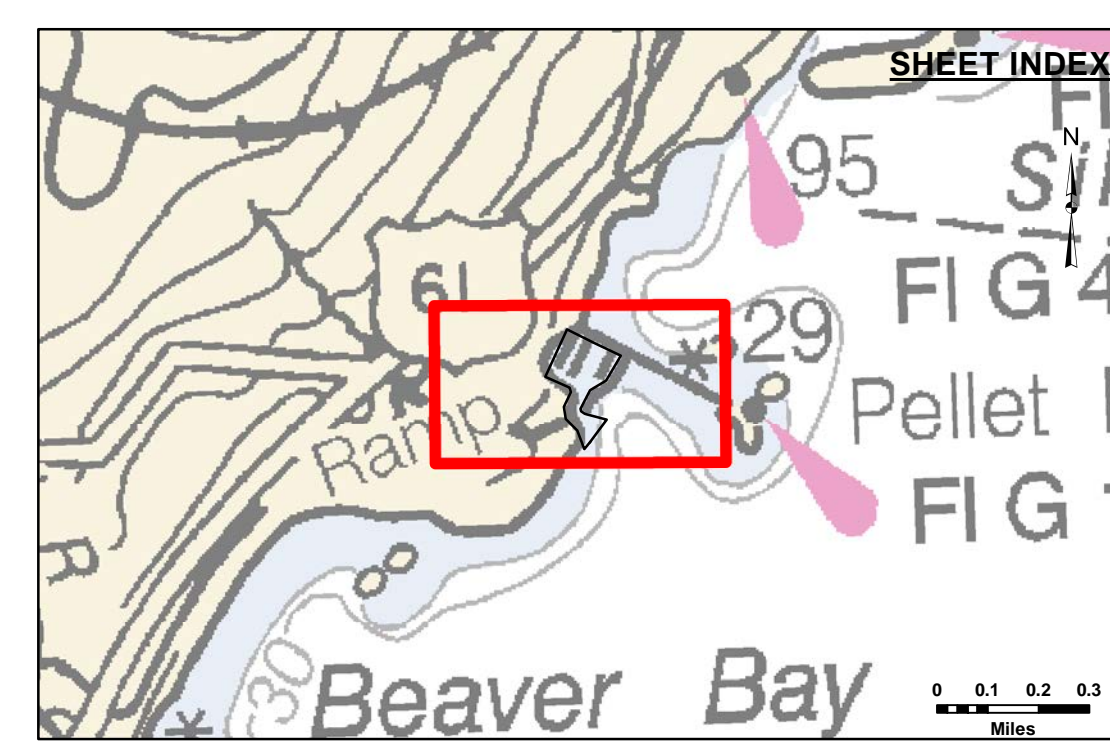
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U.S. ARMY CORPS OF ENGINEERS DETROIT DISTRICT		
Submitted:	Surveyed By:	
Recommended:	Plotted By:	
Approved:	Chief, Survey Section	
	Chief, Technical Services	

Silver Bay Harbor, MN (DNR)
Silver Bay Harbor (DNR)
SL_01_VBY_20230920_CS
20 September 2023

Sheet Reference Number
1 of 1

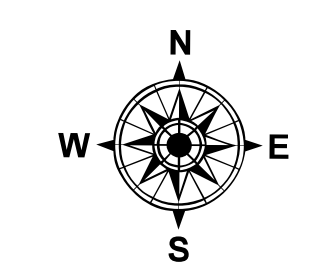


LEGEND

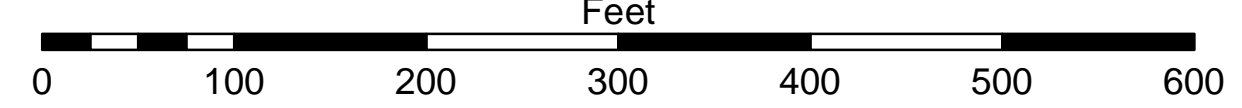
- Contour Lines
- Channel Limits

SOUNDING LEGEND

- LESS THAN PROJECT 8 FEET BELOW LWD
- 8 FEET BELOW LWD
- 9 FEET BELOW LWD
- 10 FEET BELOW LWD
- 11 FEET BELOW LWD
- 12 FEET BELOW LWD
- 13+ FEET BELOW LWD



1 inch = 100 feet



- 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 (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 REAL TIME KINEMATIC (RTK) GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS) CORRECTIONS FROM A BASE STATION LOCATED AT USACE CONTROL POINT 408. THE GPS RECEIVER IS MANUFACTURED BY TRIMBLE, MODELS SPA751 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 SILVER BAY HARBOR, MN. THIS IS A MN-DNR HARBOR WITH USACE STRUCTURES.
 - 6) 2010 AERIAL PHOTOGRAPHY DATA SOURCE: USGS