

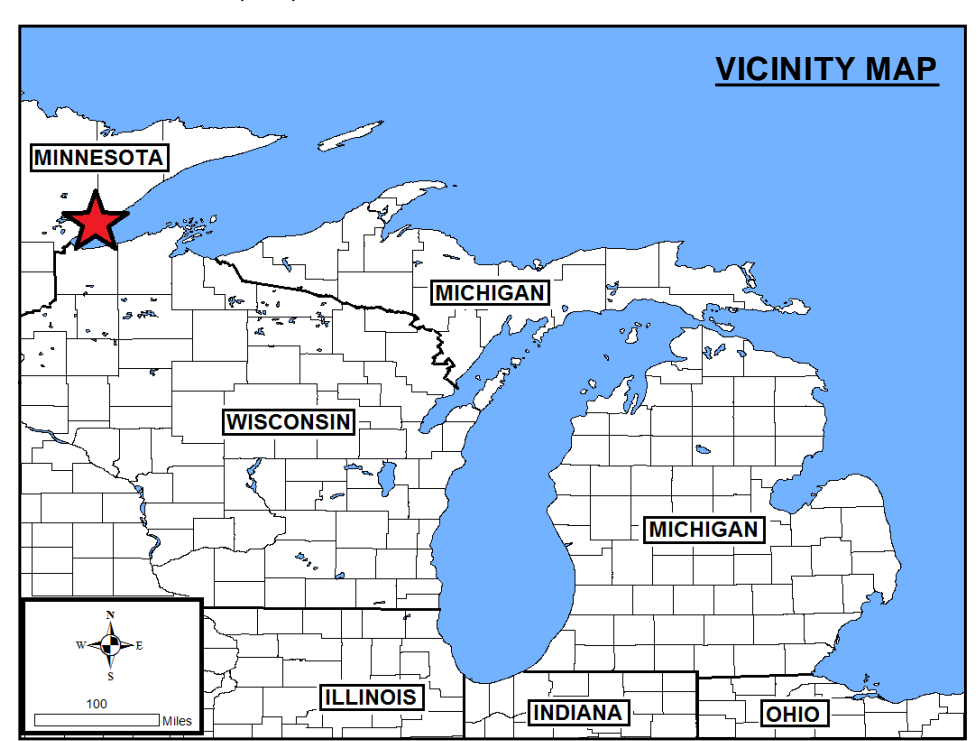
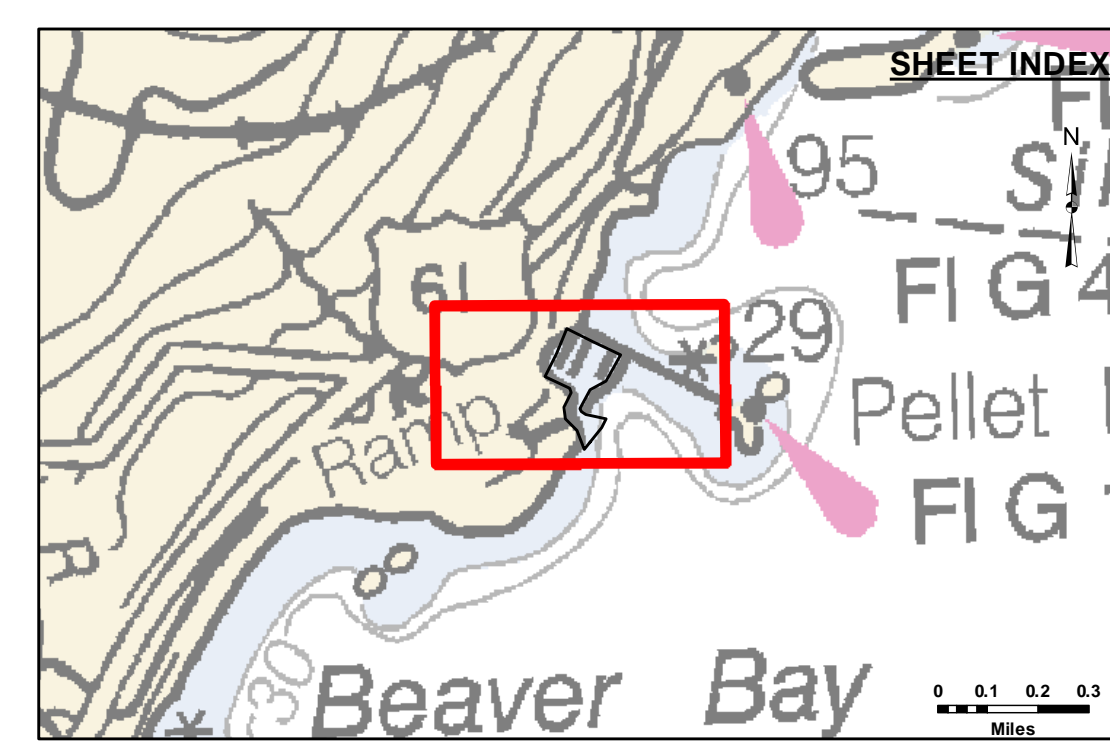
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U.S. ARMY CORPS OF ENGINEERS DETROIT DISTRICT		
Submitted:	Surveyed By:	
Recommended:	Plotted By:	
Approved:	Chief, Technical Services	

Silver Bay Harbor, MN (DNR)
Silver Bay Harbor (DNR)
SL_01_VBY_20210316_CS
16 March 2021

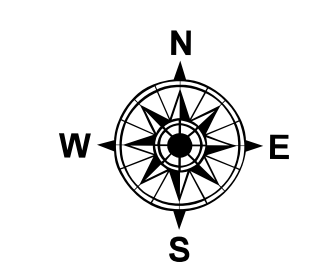
Sheet Reference Number
1 of 1



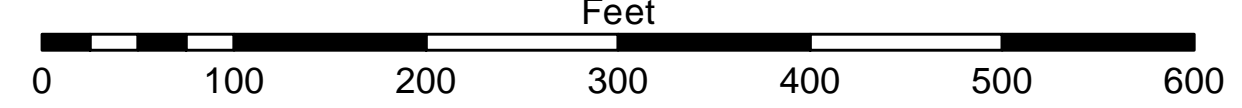
LEGEND
 — Contour Lines
 □ Channel Limits

SOUNDING LEGEND

Red	LESS THAN PROJECT 8 FEET BELOW LWD
Light Blue	8 FEET BELOW LWD
Medium Blue	9 FEET BELOW LWD
Dark Blue	10 FEET BELOW LWD
Very Dark Blue	11 FEET BELOW LWD
Black	12 FEET BELOW LWD
Dark Grey	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 SPAT51 AND R10.
 - 4) THE GRID COORDINATE SYSTEM SHOWN IS REFERENCED TO THE MINNESOTA STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, NORTH ZONE (2201), NORTH AMERICAN DATUM OF 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