GENERAL NOTES

1. THE SOUNDINGS INDICATED HEREIN ARE GENERALIZED DEPTHS AND ARE NOT REPRESENTATIVE OF THE FULL DATASET. THE SOUNDINGS REPRESENT THE MINIMUM DEPTH FOUND WITH THE 20x20 FOOT AREA CENTERED AROUND THE TEXT, DERIVED FROM A 1X1 AVERAGE DATASET AT CELL CENTER. THIS MAP SHOULD NOT BE USED FOR CHANNEL CLEARANCE OR VOLUME CALCULATIONS. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SHOAL REMOVAL OPERATIONS AND NOTICE TO NAVIGATION INTERESTS.

2. ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). LOW WATER DATUM (LWD) ZERO IS 577.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI QUEBEC. WATER LEVEL READINGS ARE FROM AN AUTOMATED NOAA GAUGE LOCATED AT DETOUR VILLAGE (5099). DEPTHS ARE MEASURED USING AN R2SONIC 2024 MULTIBEAM SONAR.

3. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON NOVEMBER 02, 2022 AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THE TIME.

4. HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM (RTK). CORRECTIONS ARE PROVIDED BY THE MICHIGAN CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS). THE CLOSEST BASE STATION IS USED AS THE DETERMINING FACTOR IN CORRECTION SELECTION. THE GPS RECEIVER IS MANUFACTURED BY APPLANIX MARINE POS/MV VER. 4.0.

5. GRID COORDINATES ARE BASED ON THE MICHIGAN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, MICHIGAN NORTH ZONE (2111). NORTH AMERICAN DATUM (NAD83). ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET.

6. UNLESS OTHERWISE NOTED PROJECT DEPTH IS 30.0 FEET BELOW LOW WATER DATUM

N

100' 0 100' 200'

SCALE: 1" = 100'

LEGEND

30.0'
40.0'
50.0'
60.0'
70.0'
80.0'
90.0'
100.0'

℄ UPBOUND DETOUR PASSAGE

C.S. 45+00

E 27,037,000

N 457,000

C.S. 65+00

℄ WATSONS REEF CHANNEL

LOCATION MAP
NO SCALE

ONTARIO
MICHIGAN
SAULT STE. MARIE
SUGAR ISLAND
BRUSH POINT
POINT LOUISE
WHITEFISH BAY
NEEBISH ISLAND
ST. JOSEPH ISLAND
IROQUOIS POINT
BAY MILLS
LAKE MUNUSCONG
PT. AUX. FRENES
POTAGANNISSING BAY
DRUMMOND ISLAND
WATSON REEF CHANNEL
DETOUR PASSAGE

SITE MAP
NO SCALE

UPBOUND DETOUR PASSAGE
SAINT MARY'S RIVER
DRUMMOND ISLAND
PIPE ISLAND
PIPE ISLAND CHANNEL
01
02
03
04
WATSON'S REEF COURSE
DOWNBOUND DETOUR PASSAGE
DETOUR VILLAGE
WATSONS REEF COURSE SECTION 04

LAKE SUPERIOR
CANADA
BIG BAY
MICHIGAN
SAULT ST. MARIE
SAINT MARY'S RIVER
INTERNATIONAL BOUNDARY
EAU CLAIR
WAUSAU
KEWAUNEE
LAKE MICHIGAN
MICHIGAN
LAKE HURON
MANISTEE
SHEBOYGAN
MINN.
WISCONSIN
IOWA
BAY CITY
BAY PORT
SANILAC
SAGINAW
LEXINGTON
MADISON
MILWAUKEE
ILLINOIS
MICHIGAN
DETROIT
ST. JOSEPH
INDIANA
TOLEDO
LAKE ERIE
OHIO
AREA MAP
NO SCALE

SHEET IDENTIFICATION
WRC-04
SHEET 04 OF 04

SAINT MARYS RIVER
SAULT SAINTE MARIE MICHIGAN
FEDERAL NAVIGATION CHANNEL

WATSONS REEF CHANNEL
NOVEMBER 02, 2022
CONDITION SURVEY

U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT
DETROIT, MICHIGAN

SOO AREA OFFICE
ST MARYS RIVER SECTION
119 EAST WATER STREET
SAULT STE. MARIE, MI 49783

SURVEYED BY: J. Mrozek		DATE: 2022/11/02
DWN BY: J. Mrozek	CKD BY:	SOLICITATION NO.:
SUBMITTED BY:		CONTRACT NO.:
PLOT SCALE: 1" = 100'	ISSUE DATE:	FILE NUMBER:
SIZE: ANSI D	FILE NAME: Wrcv104c221.dgn	

MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

US Army Corps of Engineers®