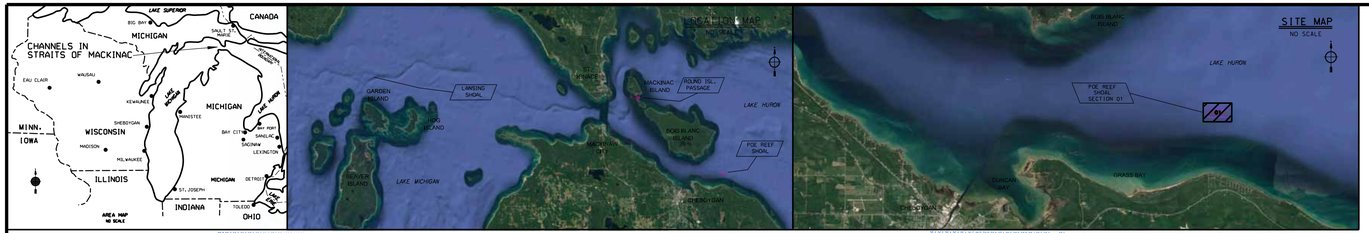

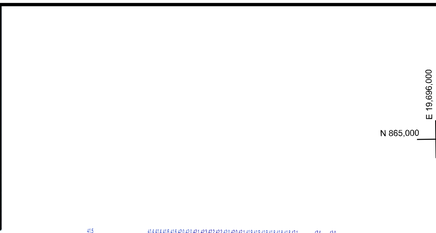

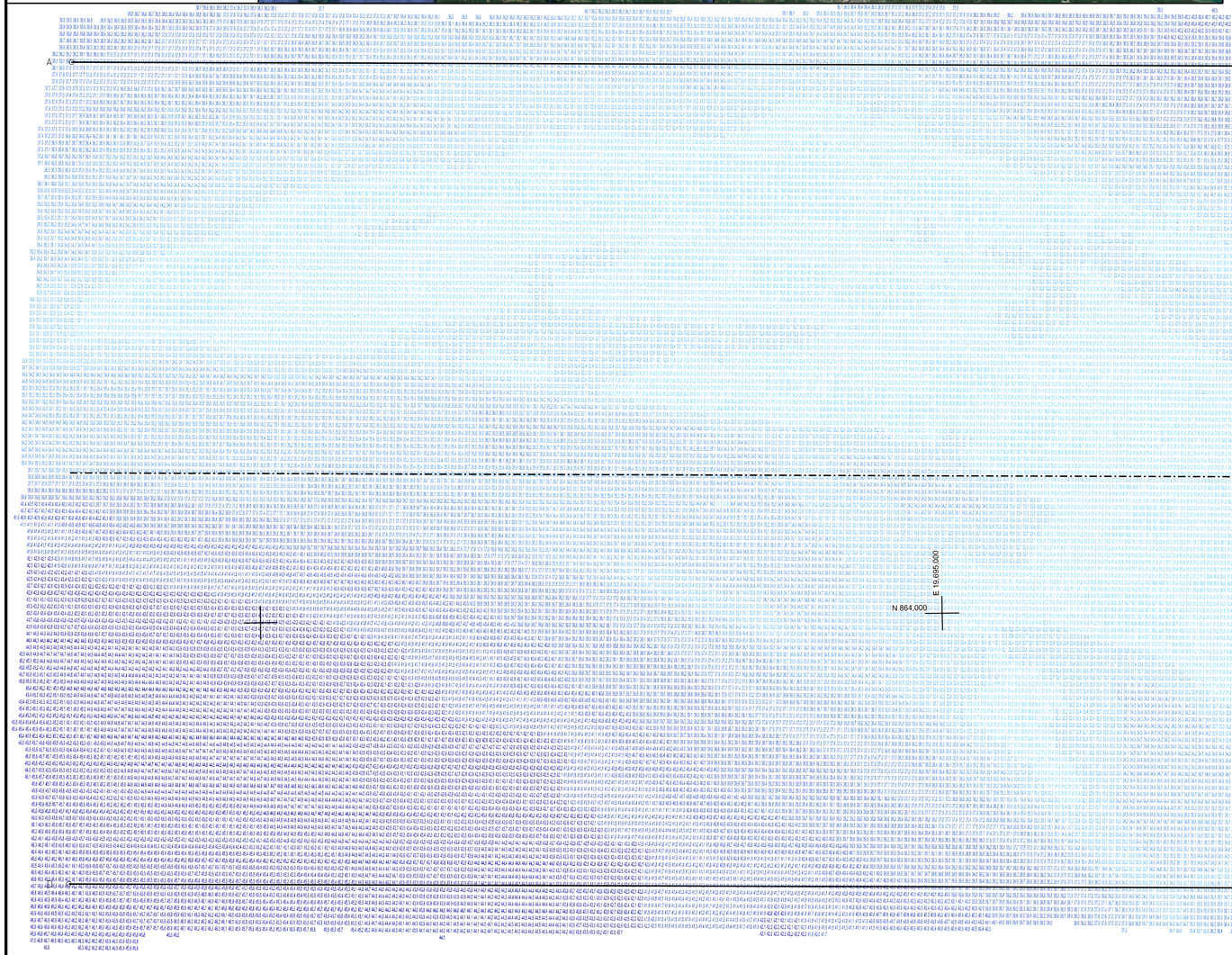

GENERAL NOTES

1. THE SOUNDINGS INDICATED HEREIN ARE GENERALIZED DEPTHS AND ARE NOT REPRESENTATIVE OF THE FULL DATASET. THE SOUNDINGS REPRESENT THE MINIMUM DEPTH FOUND 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 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 FATHER POINT QUEBEC. WATER LEVEL READINGS ARE FROM AN AUTOMATED NOAA GAUGE (5080) LOCATED AT MACKINAW CITY MICHIGAN. DEPTHS ARE MEASURED USING AN R2SONIC 2024 MULTIBEAM SONAR.
3. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON SEPTEMBER 28, 2021 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 DETERMING FACTOR IN CORRECTION SELECTION. THE GPS RECEIVER IS MANUFACTURED BY APPLANIX MARINE POS/MV VER. 5.0.
5. GRID COORDINATES ARE BASED ON THE MICHIGAN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, MICHIGAN CENTRAL ZONE (2112). 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

LEGEND

0.0'
30.0'
32.0'
34.0'
36.0'
38.0'
40.0'
42.0'
50.0'

N

100' 0 100' 200'

SCALE: 1" = 100'

CHANNEL CONTROL DATA

STATION NUMBER	DESCRIPTION	COORDINATES NORTH	COORDINATES EAST
A	SURVEY LIMIT	864,826.003	19,693,734.499
B	SURVEY LIMIT	864,778.448	19,696,484.036
C	SURVEY LIMIT	863,573.695	19,696,463.211
D	SURVEY LIMIT	863,621.246	19,693,713.677

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE	APPR.

MARK	APPR.	DATE	DESCRIPTION

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

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

SURVEYED BY: J. Mrozek
DWN BY: JSM
CKD BY:
SUBMITTED BY:
DATE: 2021/09/28
PLOT SCALE: 1:100
SIZE: ANSI D
SOLICITATION NO.:
CONTRACT NO.:
ISSUE DATE:
FILE NUMBER:
FILE NAME: Prs-101-211.dgn

CHANNELS IN THE STRAITS OF MACKINAC
STRAITS OF MACKINAC
FEDERAL NAVIGATION CHANNEL

POE REEF SHOAL
SEPTEMBER 28, 2021
CONDITION SURVEY

SHEET IDENTIFICATION
PRS-01
SHEET 1 OF 1