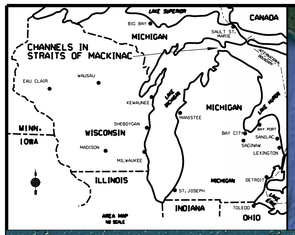
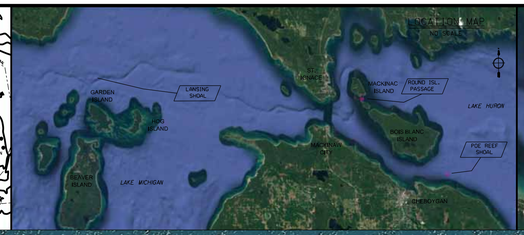
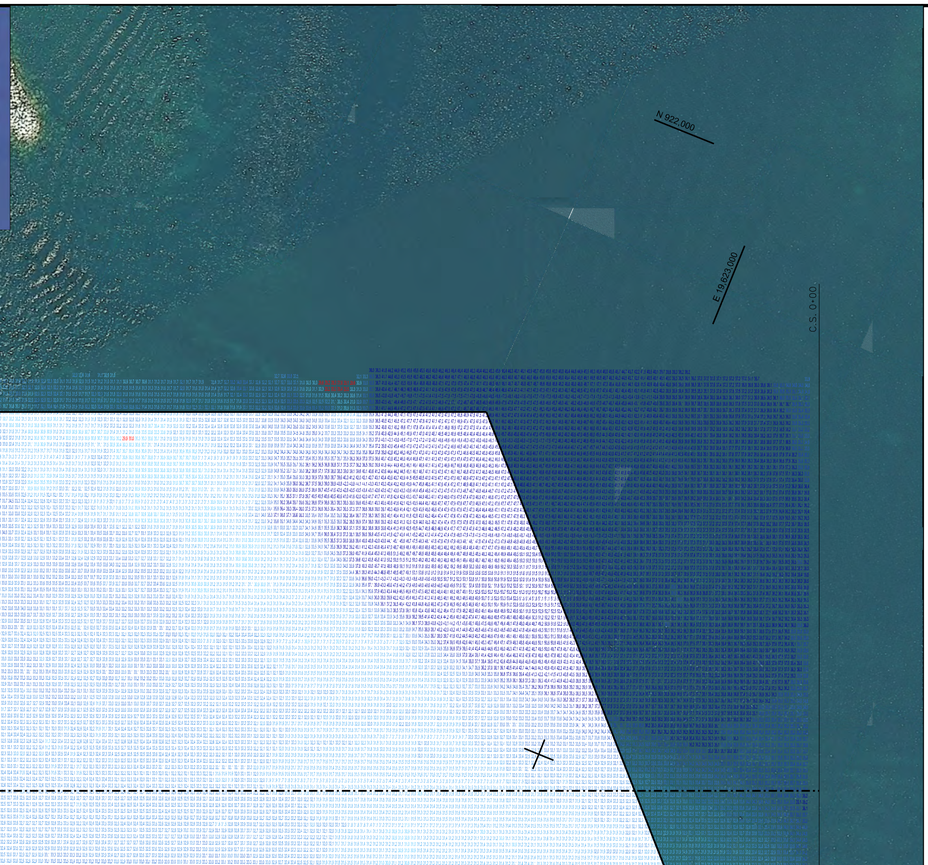




SITE MAP
NO SCALE



CHANNEL CONTROL DATA			
STATION NUMBER	DESCRIPTION	COORDINATES NORTH	EAST
A	SURVEY LIMIT	920,723.690	19,620,872.450
B	SURVEY LIMIT	921,471.290	19,622,719.550
C	SURVEY LIMIT	920,535.240	19,623,605.470
D	SURVEY LIMIT	919,318.650	19,620,599.620

LEGEND

0.0'
30.0'
31.0'
32.0'
33.0'
34.0'
35.0'
36.0'
60.0'

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 AUGUST 3, 2019 AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THE TIME.

GENERAL NOTES

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

120' 0 120' 240'
SCALE: 1" = 120'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE	APPR.	MARK	APPR.	DATE	DESCRIPTION	DATE	APPR.

DATE: 20190808/03
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

SURVEYED BY: J. Mrozek
DWN BY: JSM
CKD BY:
SUBMITTED BY:
PLOT SCALE: 1" = 120'
ANSI D
ISSUE DATE:
FILE NAME: Rip-101c191.dgn

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

CHANNELS IN THE STRAITS OF MACKINAC
ROUND ISLAND PASSAGE
FEDERAL NAVIGATION CHANNEL

ROUND ISLAND PASSAGE
AUGUST 3, 2019
CONDITION SURVEY

SHEET IDENTIFICATION
RIP-01
SHEET 1 OF 1