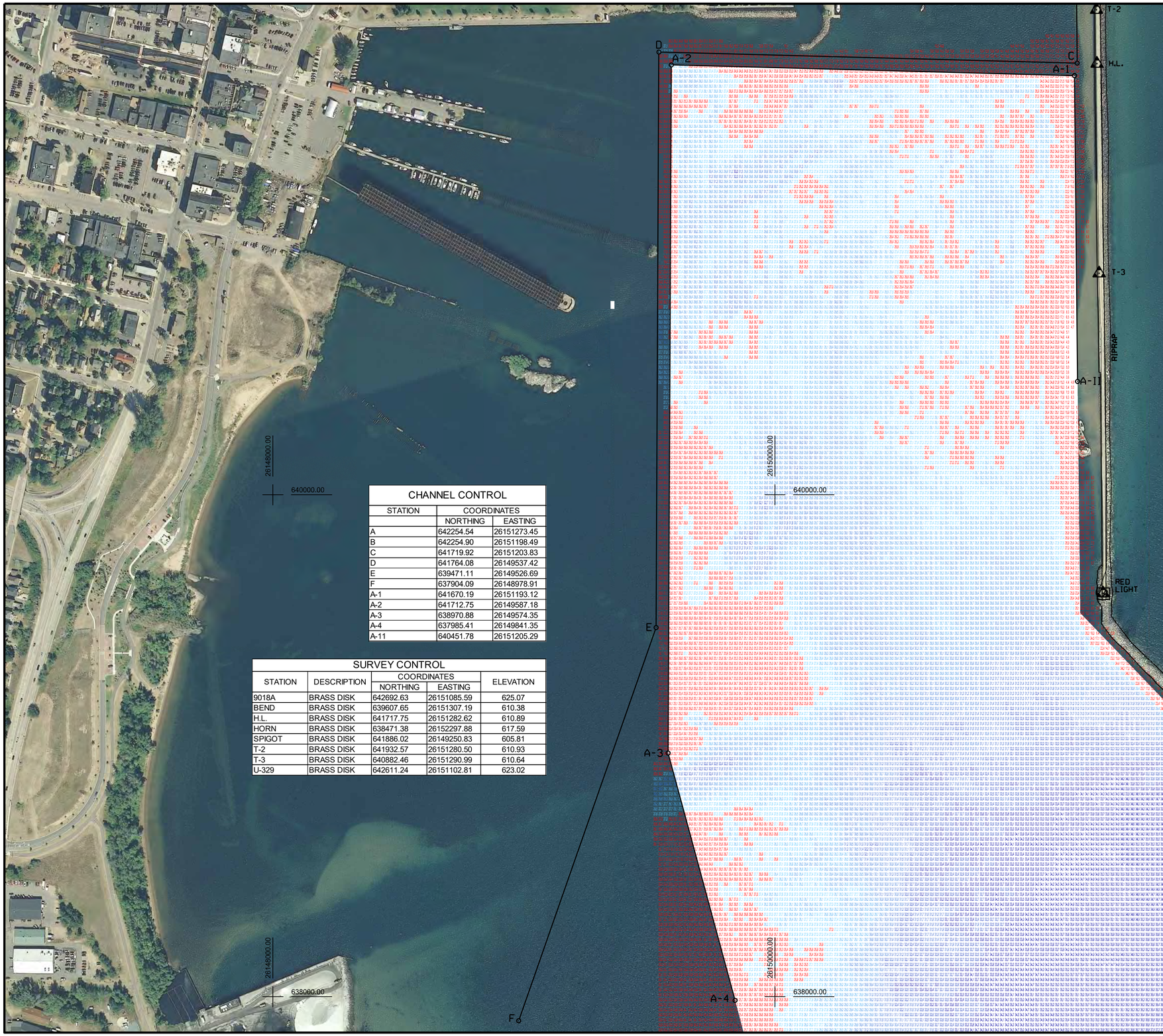

CHANNEL CONTROL

STATION	COORDINATES	
	NORTHING	EASTING
A	642254.54	26151273.45
B	642254.90	26151198.49
C	641719.92	26151203.83
D	641764.08	26149537.42
E	639471.11	26149526.69
F	637904.09	26148978.91
A-1	641670.19	26151193.12
A-2	641712.75	26149587.18
A-3	638970.88	26149574.35
A-4	637985.41	26149841.35
A-11	640451.78	26151205.29

SURVEY CONTROL

STATION	DESCRIPTION	COORDINATES		ELEVATION
		NORTHING	EASTING	
9018A	BRASS DISK	642692.63	26151085.59	625.07
BEND	BRASS DISK	639607.65	26151307.19	610.38
H.L.	BRASS DISK	641717.75	26151282.62	610.89
HORN	BRASS DISK	638471.38	26152297.88	617.59
SPIGOT	BRASS DISK	641886.02	26149250.83	605.81
T-2	BRASS DISK	641932.57	26151280.50	610.93
T-3	BRASS DISK	640882.46	26151290.99	610.64
U-329	BRASS DISK	642611.24	26151102.81	623.02

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 COMPUTATIONS. 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 601.1 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI QUEBEC. WATER LEVEL READINGS ARE FROM AN AUTOMATED NOAA GAUGE (9018) LOCATED AT MARQUETTE HARBOR, MICHIGAN. DEPTHS ARE MEASURED USING AN R2SONIC 2024 MULTIBEAM SONAR.
3. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON JUNE 27, 2019 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 27.0 FEET BELOW LOW WATER DATUM

200' 0 200' 400'

SCALE: 1" = 200'

N

LEGEND

0.0'
27.0'
28.0'
29.0'
29.0'
30.0'
31.0'
32.0'
50.0'

US Army Corps of Engineers®

MARK	DESCRIPTION	DATE	APPR

MARK	DESCRIPTION	DATE	APPR

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:
PLOT SCALE: 1" = 200'
ISSUE DATE:
SIZE: ANSI D
FILE NAME: Mqhv101c191.dgn
DATE: 2019/06/27
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

MARQUETTE HARBOR
MARQUETTE MICHIGAN
FEDERAL NAVIGATION CHANNEL

JUNE 27, 2019
CONDITION SURVEY

SHEET IDENTIFICATION
MQH-01
SHEET 1 OF 1