

SURVEY CONTROL POINTS

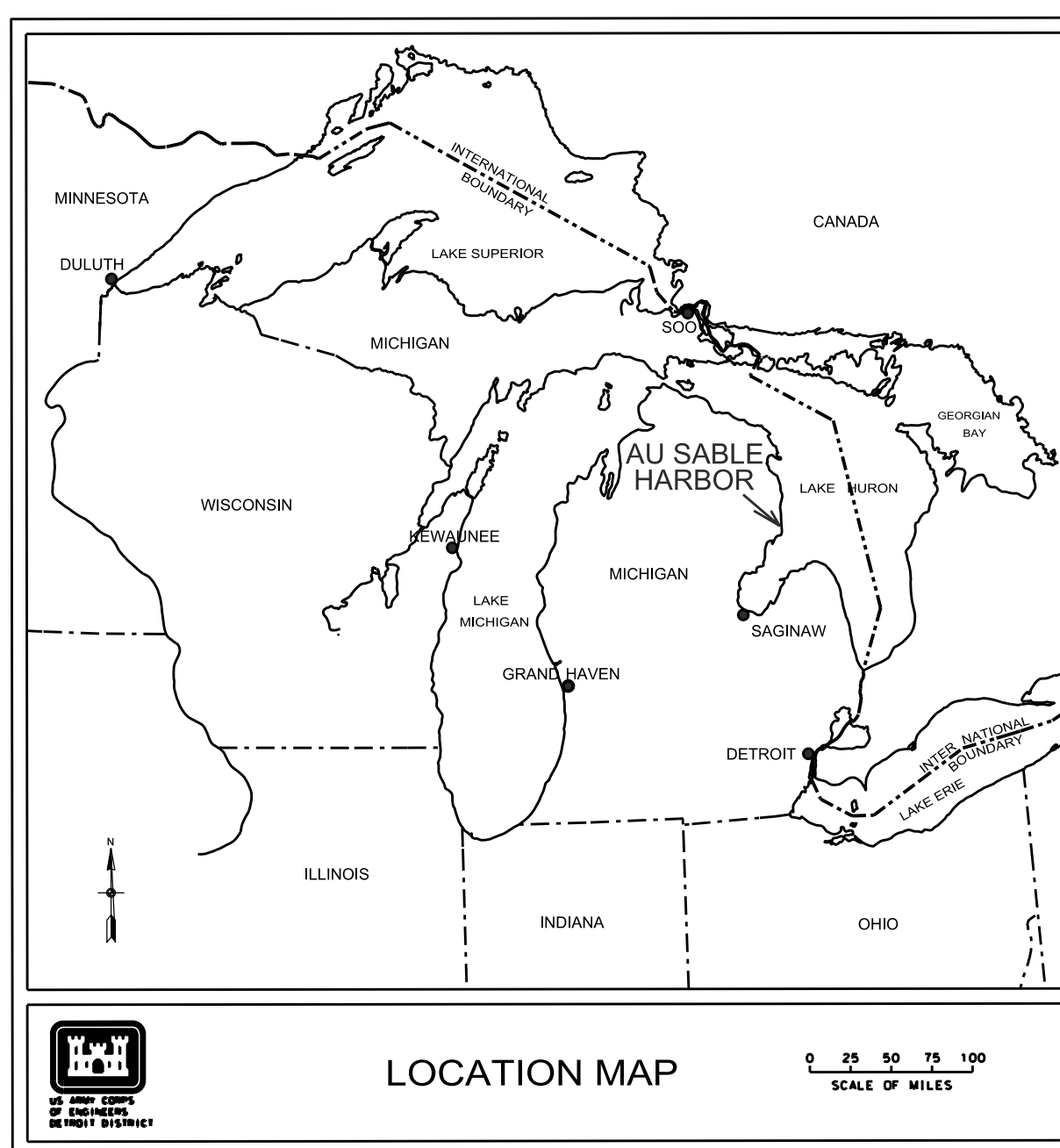
STATION	COORDINATES	
	EAST X	NORTH Y
AUS1	19,958,479.348	399,038.900
AUS2	19,957,297.520	399,456.307
AUS3	19,959,345.091	398,941.282
P3	19,957,821.977	400,301.575
P4	19,957,961.350	398,111.064
P5	19,958,571.651	399,025.058
P6	19,959,402.965	399,148.532
PARK	19,958,100.956	398,786.601
33	19,957,277.536	399,301.065
NAVAID 1	19,959,361.000	398,938.959
NAVAID 2	19,959,444.973	399,141.846

CENTERLINE POINTS

STATION	COORDINATES	
	EAST X	NORTH Y
1	19,957,312.58	399,350.14
2	19,957,870.55	399,200.40
3	19,960,031.28	398,976.20

CHANNEL LINE POINTS

STATION	COORDINATES	
	EAST X	NORTH Y
A	19,957,324.46	399,388.36
B	19,957,471.35	399,395.54
C	19,957,838.36	399,297.04
D	19,957,906.83	399,236.86
E	19,959,438.60	399,077.92
F	19,960,072.56	399,374.06
G	19,959,992.07	398,598.23
H	19,959,430.34	398,998.34
I	19,957,705.99	399,177.26
J	19,957,451.79	399,245.48
K	19,957,312.09	399,303.68



NOTES:

- 1) THE SOUNDINGS AND ASSOCIATED INFORMATION REPRESENTED HEREIN ARE THE RESULT OF SURVEYS MADE ON THE DATE AS INDICATED AND CAN ONLY BE CONSIDERED REPRESENTATIVE OF THE GENERAL CONDITIONS EXISTING AT THE TIME OF SURVEY.
- 2) THE SOUNDINGS DEPICTED HEREIN ARE EXPRESSED IN U.S. SURVEY FEET AND TENTHS THEREOF AND ARE REFERENCED TO THE FOLLOWING DATUMS:
HORIZONTAL: MICHIGAN STATE PLANE COORDINATE SYSTEM, MICHIGAN CENTRAL ZONE #2112, NORTH AMERICAN DATUM (NAD) OF 1983.
VERTICAL: INTERNATIONAL GREAT LAKES DATUM (IGLD) OF 1985.
- 3) THE ABOVE SURVEY WAS CONDUCTED USING THE U.S.A.C.E. SURVEY VESSEL BULTON EMPLOYING THE FOLLOWING COMPONENTS:
POSITIONING: TRIMBLE BLUE W/RS/RTK OR WAAS
MOTION COMPENSATION: POS MV
SONAR: ODOM CV-300 (SINGLEBEAM)
SOFTWARE: HYPACK 2015
- 4) TIDE CORRECTION VALUES REFERENCED FROM A PAINT MARK ON ANGLE IRON MOUNT FOR A WOODEN POST NEAR THE BOAT LAUNCH LABELED "TBM POST."

LAKE HURON L.W.D. = 577.50

U.S. Army Corps of Engineers

MARK	DESCRIPTION	DATE	APPR.

DRAWING DATE: 8 JULY 2019	SUBMITTED BY: C.V.L.	CONTRACT NO.:	FILE NUMBER:
REVIEWED BY:	APPROVED BY:	IMAGE DATE: SEP 2016	FILE NAME:
U.S. ARMY CORPS OF ENGINEERS DETROIT DISTRICT DETROIT, MI	DETROIT AREA OFFICE 6309 WEST JEFFERSON AVE. DETROIT, MICHIGAN 48209	SIZE: ANSI - D	USGS/NOAA

**AU SABLE HARBOR
MICHIGAN**

POST-DREDGE SURVEY
8 JULY 2019

SHEET IDENTIFICATION

SHEET 1 OF 1