



- 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 SOUTH ZONE #2113, 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 WHEELER EMPLOYING THE FOLLOWING COMPONENTS:

POSITIONING: APPLANIX POS-MV4 WVRS-RTK

MOTION COMPENSATION: APPLANIX POS-MV4

SONAR: R2 SONIC 2024

SOFTWARE: HYPACK 2016
- 4) WATER LEVELS USED WERE REFERENCED TO ESSEXVILLE GAGE, ALONG WITH A GAGE BOARD ON THE LAKE STATE RAILWAY BRIDGE.
- 5) THE EDITED DATA WAS SORTED INTO A 20FT BY 20FT MINIMUM DEPTH DATASET, WITH THE RESULTING POINTS POSTED.

POSITIONING: APPLANIX POS-MV4 W/VRS-RT
MOTION COMPENSATION: APPLANIX POS-MV4
SONAR: R2 SONIC 2024
SOFTWARE: HYPACK 2016

| | | |
|------------------------------|------------------------|-----------------|
| U.S. ARMY CORPS OF ENGINEERS | SURVIVED BY: | DATE OF SURVEY: |
| DETROIT DISTRICT | DNV NAB | 20/03/01 |
| 177 MICHIGAN AVE | DNV BY: | |
| DETROIT, MI 48226 | NAB | |
| | SUBMITTED BY: | CONTRACT NO.: |
| | Christopher V. Lofgren | |
| DETROIT AREA OFFICE | PLOT SCALE: | FILE NUMBER |
| WEST JEFFERSON | 1" = 100' | |
| 6309 WEST JEFFERSON | PLOT DATE: | |
| DETROIT, MI 48209 | 20/08/02 | |
| | SIZE: | FILE NAME: |
| | | |

SAGINAW RIVER
MICHIGAN
POST-DREDGE SURVEY
01 AUG 2018

**SHEET
IDENTIFICATION**