



TRUE NORTH
GRID NORTH

GRID SCALE FACTOR: 0.99991948
GRID DIST. DIVIDED BY GRID SCALE FACTOR = GROUND DIST.

CENTER LINE T.P.

T.P.	EAST X	NORTH Y
17	13,540,286.19	401,894.34
18	13,539,649.91	401,123.03
19	13,539,249.96	401,119.68
19A	13,538,167.27	401,247.50
20A	13,538,859.65	401,955.40
20	13,538,811.70	402,128.49
21	13,538,971.50	402,995.75
22	13,538,239.85	403,299.86

CHANNEL LINE T.P.

T.P.	EAST X	NORTH Y
17N	13,540,266.35	401,909.58
17S	13,540,306.03	401,879.11
18N	13,539,638.05	401,147.93
18S	13,539,661.78	401,088.13
18W1	13,539,690.02	401,211.76
18W2	13,539,555.30	401,147.24
19W2A	13,539,192.49	401,251.98
19S	13,539,233.62	401,094.55
19W1	13,539,356.22	401,145.57
19S4	13,539,150.93	401,223.17
20N4	13,538,863.27	401,963.76
20S4	13,538,836.02	401,947.04
20N	13,538,835.33	402,136.85
20S	13,538,788.08	402,133.74
21N	13,538,593.67	403,009.34
21S	13,538,549.32	402,982.17
21W1	13,538,570.14	402,906.99
21W2	13,538,491.81	403,034.30
22N	13,538,252.15	403,232.49
22S	13,538,222.55	403,277.22
22W1	13,538,284.51	403,224.88
22W2	13,538,152.73	403,296.59

- 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 SOUTH ZONE #113, 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 SKIFF EMPLOYING THE FOLLOWING COMPONENTS:
POSITIONING: TRIMBLE BLUE DOOPS
MOTION COMPENSATION: N/A
SONAR: ODOM CV-300
SOFTWARE: HYPACK 2015
 - 4) TIDE GAGE USED WERE REFERENCED FROM A GAGE BOARD SET ON PILING NEAR THE MOUTH OF THE CLINTON RIVER ON THE EAST SIDE OF THE DNR DOCK, IN FRONT OF THE DNR FISHERIES BUILDING.
L.W.D. = 572.3

UNITED STATES ARMY CORPS OF ENGINEERS
DETROIT AREA OFFICE, DETROIT, MICHIGAN

CONDITION SURVEY
CLINTON RIVER, MI
CS 139+00W TO CS 184+00W

DRAWN BY: **B.R.**
CHECKED BY: **C.V.L.**

DATE OF SURVEY: **17 MAY 2017**

SCALE 1" = 100'

SHEET **5** OF **10**

