



**CENTER LINE T.P.**

T.P.	EAST X	NORTH Y
50	13,526,483.12	403,360.38
51	13,526,485.48	403,408.48
52A	13,525,103.68	403,588.21
52B	13,524,939.20	403,550.41
53	13,524,823.71	403,502.62
54	13,524,943.27	403,217.45

**CHANNEL LINE T.P.**

T.P.	EAST X	NORTH Y
50N	13,526,481.14	403,385.69
50S	13,526,485.11	403,335.07
51N	13,525,989.19	403,433.24
51S	13,525,981.77	403,383.12
52AN	13,525,103.36	403,613.79
52AS	13,525,104.00	403,562.63
52BN	13,524,931.56	403,574.30
52BS	13,524,946.82	403,526.51
53N	13,524,809.45	403,523.77
53S	13,524,837.97	403,481.46
54N	13,524,525.45	403,234.98
54S	13,524,561.10	403,199.92

**HORIZONTAL CONTROL**

STATION	COORDINATES	
	EAST X	NORTH Y
WHITTLE	13,526,657.50	403,334.31
BINGHAM	13,524,853.51	403,571.78

- 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 #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 SHIFF EMPLOYING THE FOLLOWING COMPONENTS:  
POSITIONING: TRIMBLE BLUE DGPS  
MOTION COMPENSATION: N/A  
SONAR: ODOM CVP-300  
SOFTWARE: HYPACK 2015
  - 4) TIDE GAUGE 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

	<b>UNITED STATES ARMY CORPS OF ENGINEERS</b> DETROIT AREA OFFICE, DETROIT, MICHIGAN
	<b>CONDITION SURVEY</b> <b>CLINTON RIVER, MI</b> CS 369+00W TO CS 392+00W
DRAWN BY: <b>B.R.</b>	DATE OF SURVEY: 31 MAY 2017
CHECKED BY: <b>C.V.L.</b>	
SHEET 10 OF 10	