

CHANNEL LINE POINTS		
STATION	COORDINATES	
	EAST X	NORTH Y
A	19,189,848.560	385,787.491
B	19,187,944.439	386,077.647
C	19,187,760.539	386,023.758
D	19,187,579.395	386,051.394
E	19,187,619.306	386,313.309
F	19,187,794.106	386,286.672
G	19,187,959.504	386,176.504
H	19,189,863.624	385,886.337
L	19,187,348.822	386,529.732
K	19,187,266.34	386,988.60
E-1	19,186,916.51	386,875.59
D-1	19,186,745.94	385,884.28

CENTERLINE POINTS		
STATION	COORDINATES	
	EAST X	NORTH Y
C/L 0	19,188,742.610	386,007.230
C/L 1	19,189,856.171	385,837.148
C/L 1A	19,187,599.344	386,181.942
C/L 1B	19,187,302.545	386,217.249

PROJECT DEPTH 18 FT.
 MAINTENANCE DEPTH 12 FT.
 CHANNEL LIMITS SHOWN THUS: - - - - -

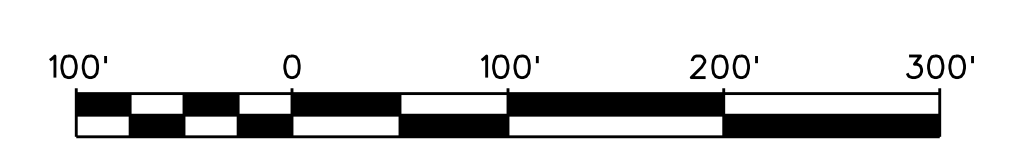
SURVEYED ON: 12 DECEMBER 2019
 POSITIONING METHOD: APPLANIX PDS M/V W/DGPS CORRECTIONS
 MOTION COMPENSATION: APPLANIX OCEAN MASTER POS M/V
 EQUIPMENT: ODOM CV 300 SINGLE BEAM SOUNDER
 SOFTWARE: HYPACK
 VESSEL: LAUNCH 3058

ALL SOUNDINGS ARE REFERENCED TO I.G.L.D.1985 FOR LAKE MICHIGAN, ELEVATION 577.5 FT. ABOVE MEAN SEA LEVEL AT RIMOUSKI, QUEBEC, HYDRAULIC CORRECTOR OF 0.3 FT APPLIED.

GRID SYSTEM BASED ON LAMBERT PROJECTION, MICHIGAN STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE (2112) 1983 NORTH AMERICAN DATUM, U.S. SURVEY FOOT.

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

VERTICAL WATER LEVEL READINGS WERE TAKEN FROM A FIXED GAUGE MARK ALONG THE SHEET STEEL WALL NEAR CROSS SECTION 3+00W IN PORTAGE LAKE, MI.



NO.	DATE	REVISION	BY
U.S. ARMY ENGINEER DISTRICT, DETROIT CORPS OF ENGINEERS DETROIT, MICHIGAN			
DESIGNED BY:	PORTAGE LAKE HARBOR, MICHIGAN CONDITION OF CHANNEL DECEMBER 2019 GRAND HAVEN AREA OFFICE		
DRAWN BY:			
CHECKED BY:			
REVIEWED BY:			
SUBMITTED BY:			
DATE: PROJ: OPERS: SEC: CHIEF: "OTS" BRANCH: "	APPROVAL RECOMMENDED:	DATE	
APPROVED:	SCALE 1"=100'		CADD FILENAME: PLO_01_T0E_2019.dgn
CHIEF: CONST. OPNS DIVISION	SHEET 1 OF 1		