



HORIZONTAL CONTROL	
△	THIRD ORDER
○	LESS THAN THIRD ORDER
▲	THIRD ORDER & BENCHMARK
○	VALUE UNKNOWN
VERTICAL CONTROL	
△	BENCHMARKS

LEGEND

The information depicted on this map represents the results of the surveys made on the dates indicated and can only be considered as indicating the general conditions existing at that time.

LOW WATER DATUM
All depths and project depths are referred to Low Water Datum elevation 577.5 Ft. above Mean Water Level, I.G.L.D. 1985.

GRID COORDINATES
Grids shown are based on the National Geodetic Survey Projection Tables, State of Michigan, South Zone (2113), Lambert Projection, 1983 North American Datum, U.S. SURVEY FOOT.

POSITIONING
Positions were determined by corrections from C.G. reference beacon 115, Saginaw, frequency of 301 Khz, of 100 bps.

Navigation Buoys
Location of navigation buoys represents their general location on the date of the survey and cannot be considered for navigation.

Project Information
22.0 ft. project depth contour

Survey Information
Survey by: R. DELESTOWICZ
Date of survey: 25 APRIL 2012
Position system: TRIMBLE DGPS
Sonic sounder: ODOM CV-300
Transducer: 200 Khz with 8.0 degree beam angle



U.S. ARMY ENGINEER DISTRICT, DETROIT CORPS OF ENGINEERS DETROIT, MICHIGAN		PLAN VIEW UPDATED REVISION R.D. BY	
		DRAWN BY R. DELESTOWICZ	DESIGNED BY
SAGINAW RIVER MI. RIVER SECTION CONDITION SURVEY APRIL 2012 DETROIT AREA OFFICE		SUBMITTED:	APPROVAL RECOMMENDED:
CHIEF, PROJ-OPNS SEC. CHIEF, OPER & MAINT BR	APPROVED:	DATE:	SCALE: 1" = 100'
CHIEF, CONST-OPNS DIV	PE	DRAWING NUMBER SGR1412C.DGN	SHEET 14 OF 30

WATER LEVEL / GAGE INFORMATION
Water level elevations (gage) obtained during the survey were from TBM Cass Ramp.