

LEGEND
 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 AT THE TIME.
 LOW WATER DATUM
 ELEVATIONS AND PROJECT DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM: (1985) THE LOW WATER DATUM FOR THE ROUGE RIVER IS 571.2 FT. ABOVE MEAN SEA LEVEL.
 GRID COORDINATES
 GRIDS SHOWN ARE BASED ON NATIONAL GEODETIC SURVEY PROJECTION TABLES: STATE OF MICHIGAN, SOUTH ZONE (2113), LAMBERT PROJECTION, 1983 NORTH AMERICAN DATUM.
 ALL COORDINATES ARE IN U.S. SURVEY FEET.

DIRECTIONS
 ALL DIRECTIONS ARE GRID AZIMUTHS REFERRED TO NORTH ZERO.
PROJECT DEPTHS
 PROJECT DEPTHS ARE AS INDICATED ABOVE. ALL DEPTHS ARE IN U.S. SURVEY FEET.
 THE AUTOMATED ELECTRONIC SURVEY WAS CONDUCTED BY R. DELESTOWICZ AND JOE PERCELL, ABOARD THE USACDE SURVEY SMALL BOAT.
AUTOMATED EQUIPMENT USED
 POSITIONING: TRIMBLE SPS DGPS VIA US COAST GUARD SYSTEM
 SOFTWARE: COASTAL OCEANOGRAPHICS
 SONIC SOUNDER: ODDM CV-300 WITH 208 KHZ, 4.0 DEGREE TRANSDUCER

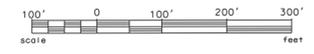
CENTER LINE T. P.

T. P.	COORDINATES	
	EAST X	NORTH Y
0	13,463,535.27	284,979.82
1	13,461,547.03	286,281.29
2	13,461,172.76	286,438.02
CL-9	13,461,290.22	286,903.13

CHANNEL LINE T. P.

T. P.	COORDINATES	
	EAST X	NORTH Y
1N	13,463,556.91	285,085.18
2N	13,462,270.48	285,927.25
3N	13,461,867.26	286,131.43
4N	13,461,783.59	286,186.20
5N	13,461,537.36	286,407.14
6N	13,461,434.69	286,510.63
7N	13,460,991.04	286,670.55
8N	13,460,889.66	286,636.59
9N	13,460,785.11	286,616.35
1S	13,463,465.77	284,641.39
2S	13,461,960.56	285,891.09
3S	13,461,814.30	286,049.84
4S	13,461,730.20	286,103.95
5S	13,461,499.94	286,192.60
6S	13,461,147.50	286,500.19
CLTP-4NC	13,461,383.08	286,646.99
CLTP-5NC	13,461,177.22	286,816.12
CLTP-6NC	13,461,103.39	286,726.98
CLTP-9-5N	13,461,219.67	286,983.18
CLTP-10S	13,461,340.26	286,930.44

NOTES:
 1. GAGES USED WERE REFERENCED FROM A GAGE BOARD, SET ON A PILING ON THE NORTHEAST SIDE OF THE 1ST RAILROAD BRIDGE, WEST OF THE MOUTH OF THE MAIN ROUGE RIVER, REFERENCED OFF NOS BM D-9 (SINCE DESTROYED) AND COE BM WENSKO
 2. POSITIONS WERE DETERMINED BY GPS REFERENCE BEACON 838, LOCATED AT FORT WAYNE DETROIT, MICHIGAN - FREQUENCY 319 KHZ, 200 BPS
 3. TRANSDUCER FREQUENCY USED TO MEASURE DEPTH DATA WAS 208 KHZ AND THE BEAM ANGLE WAS 3.0 DEGREES.
 PROJECT DEPTH 21.0 FT.
 21.0 FT. PROJECT DEPTH CONTOUR



1. 18 JUNE 2008	UPDATED NOTES	RWP	
2. 19 JUNE 2008	PLACED SOUNDINGS AND CONTOURED	RWP	
3. 30 AUG 2011	UPDATED CHANNEL T.P.'S 35' & 46' TO REFLECT COORDINATE VALUES.	R.D.	
NO.	DATE	REVISION	BY
U.S. ARMY ENGINEER DISTRICT, DETROIT CORPS OF ENGINEERS			
DETROIT, MICHIGAN			
DRAWN BY R. DELESTOWICZ	ROUGE RIVER, MICH. CONDITION SOUNDINGS 28 JUNE 2012 DETROIT AREA OFFICE		
DESIGNED BY			
CHECKED BY	DATE		
REVIEWED:	APPROVAL RECOMMENDED:		
SUBMITTED:	CHIEF, PROJ. OPNS. SECT	CHIEF, OTS BRANCH	DATE
APPROVED	SCALE 1" = 100'		DRAWING NUMBER
CHIEF, CONST - OPNS DIVISION	SHEET 1 OF 7		rr0112c.dgn