

N 286.000

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 ROBERT W. POLAK AND ROBERT R. SCHLIEWE, ABOARD THE USACOE SURVEY SMALL BOAT.

AUTOMATED EQUIPMENT USED
POSITIONING: TRIMBLE DGPS
SOFTWARE: COASTAL OCEANOGRAPHICS HYPACK
SONIC SOUNDER: INNERSPACE 448

CENTER LINE T. P.

T. P.	COORDINATES	
	EAST	NORTH
3	13,460,678.92	286,491.95
4	13,457,880.03	287,099.57

CHANNEL LINE T. P.

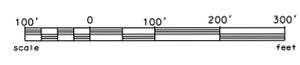
T. P.	COORDINATES	
	EAST	NORTH
10N	13,460,677.87	286,609.51
11N	13,460,572.37	286,621.07
12N	13,460,471.40	286,639.33
7S	13,460,662.84	286,395.11
H	13,458,764.03	287,009.99
I	13,458,721.61	286,814.54
J	13,458,233.61	286,970.61
K	13,457,827.38	287,013.10
L	13,457,909.92	287,194.60
M	13,458,386.01	287,030.94

NOTES:
GAGES USED WERE REFERENCED FROM A GAGE BOARD SET NEAR MOUTH OF THE ROUGE RIVER ON PILING CLUSTER AT THE NORTHWEST SIDE OF THE FIRST R.R. BRIDGE UPSTREAM. SET OFF THE NOS BM D9 (SINCE DESTROYED) AND COE BM WENSKO, ALSO A 4.9 FT. MARK ON THE NORTHEAST WALL OF THE JEFFERSON STREET BRIDGE. SET OFF NOS BM D10.

POSITIONS WERE DETERMINED BY G.P.S. REFERENCE BEACON 838, LOCATED AT FORT WAYNE DETROIT, MICHIGAN, FREQUENCY 319 KHZ, 200 BPS.

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.	23 JUNE 2008	UPDATED NOTES	RWP
2.	23 JUNE 2008	PLACED SOUNDINGS AND CONTOURED	RWP

U.S. ARMY ENGINEER DISTRICT, DETROIT
CORPS OF ENGINEERS
DETROIT, MICHIGAN

ROUGE RIVER, MICH.
CONDITION SOUNDINGS
C.S. 33+00 TO C.S. 39+00 -- 5 MAY 2008
C.S. 40+00 TO C.S. 62+00 -- 28 MAY 2008
DETROIT AREA OFFICE

DRAWN BY: RWP	DESIGNED BY:	CHECKED BY:	REVIEWED:	SUBMITTED:	APPROVAL RECOMMENDED:
CHIEF, PROJ. OPNS. SECT.			CHIEF, OYS. BRANCH	DATE:	SCALE 1" = 100'
APPROVED: _____ PE			DRAWING NUMBER: rr0208c.dgn		
CHIEF, CONST. OPNS. DIVISION			SHEET 2 OF 2		