

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) WHEN LAKE ERIE IS AT ELEVATION 569.2 FT., LAKE ST. CLAIR AT 572.3 FT. AND LAKE HURON AT 577.4 FT. ABOVE MEAN WATER LEVEL AT RIMOUSKI, QUEBEC.

GRID COORDINATES
 GRIDS SHOWN ARE BASED ON NATIONAL GEODETIC SURVEY PROJECTION TABLES, STATE OF MICHIGAN, SOUTH ZONE (2113), LAMBERT PROJECTION, 1983 NORTH AMERICAN DATUM, US SURVEY FOOT.

HORIZONTAL CONTROL

STATION	COORDINATES	
	EAST X	NORTH Y
MOUTH	13,465,243.14	289,924.25
42-A	13,465,129.22	289,598.75
PAUL	13,462,452.95	290,246.74

CHANNEL LINE T.P.

T.P.	EAST X	NORTH Y
CLTP-1N	13,465,293.68	289,820.27
CLTP-2N	13,464,474.03	289,964.03
CLTP-3N	13,463,853.44	290,124.74
CLTP-4N	13,462,024.23	290,515.05
CLTP-1S	13,465,178.17	289,609.89
CLTP-2S	13,464,448.96	289,867.23
CLTP-3S	13,463,830.46	290,027.39
CLTP-4S	13,462,017.13	290,414.32

CENTER LINE T.P.

T.P.	EAST X	NORTH Y
C/L 0+00	13,465,235.92	289,715.08
FLARE	13,464,461.50	289,915.63
CL-T	13,463,841.99	290,076.06
CL-2	13,462,020.68	290,464.69

DIRECTIONS
 ALL DIRECTIONS ARE GRID AZIMUTHS REFERRED TO NORTH ZERO.

PROJECT DEPTHS
 PROJECT DEPTHS ARE AS INDICATED ABOVE.

THE AUTOMATED ELECTRONIC SURVEY WAS CONDUCTED BY R. DELESTOWICZ, PARTY CHIEF, ABOARD THE USACE SURVEY SMALL BOAT.

AUTOMATED EQUIPMENT USED

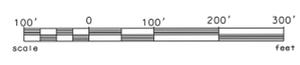
POSITIONING: TRIMBLE SPS DGPS VIA US COAST GUARD SYSTEM
DATA PROCESSOR: DELL PC
SOFTWARE: COASTAL OCEANOGRAPHICS
PLOTTER: ENCAD, CADJET 2
SONIC SOUNDER: ODOM CV-300 WITH 208KHZ, 4.0 DEGREE TRANSDUCER

- NOTES:**
- GAGES USED WERE TAKEN FROM GAGE BOARD SET ON PILING NEAR THE MOUTH OF THE ROUGE RIVER AT THE FIRST RAILROAD TRESSLE UPSTREAM
 - POSITIONS WERE DETERMINED BY GPS REFERENCE BEACON 839, 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.

17 FT. CONTOUR

18 FT. CONTOUR

25 FT. CONTOUR



NO.	DATE	REVISION	BY

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

ROUGE RIVER, MICH.
 CONDITION SOUNDINGS
 C.S. 0+00 TO C.S. 33+00
 17 AUGUST 2010
 DETROIT AREA OFFICE

DRAWN BY: R. DELESTOWICZ
DESIGNED BY: _____
CHECKED BY: _____
REVIEWED: _____
SUBMITTED: _____
APPROVED: _____

APPROVAL RECOMMENDED: _____
DATE: _____
SCALE: 1" = 100'
DRAWING NUMBER: rr0710c.dgn
SHEET: 1 OF 7