

GRID SCALE FACTOR: 0.99999181
 GRID DIST. DIVIDED BY GRID SCALE FACTOR = GROUND DIST.

CHANNEL LINE T.P.		
T.P.	EAST X	NORTH Y
AA	13,453,925.55	291,492.35
BB	13,454,052.14	291,649.89
EE	13,452,567.76	292,292.32
FF	13,452,087.56	292,639.87
GG	13,451,989.84	292,594.43
HH	13,451,158.49	292,305.47
II	13,450,966.75	292,362.34
JJ	13,451,035.47	292,671.41
KK	13,451,854.07	292,863.96
LL	13,452,309.87	292,615.34
MM	13,452,746.54	292,419.12
NN	13,452,126.47	292,737.17
PP	13,451,069.20	292,908.06
RR	13,450,976.32	292,945.13
SS	13,451,069.00	293,177.32

CENTER LINE T.P.		
T.P.	EAST X	NORTH Y
10	13,453,988.84	291,571.12
11	13,452,236.03	292,603.83
12	13,451,031.93	293,084.44

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.

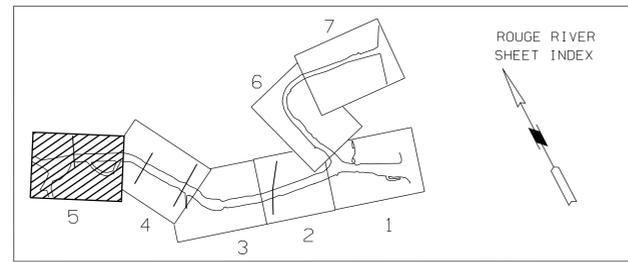
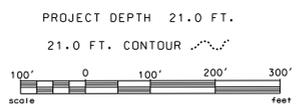
PROJECT DEPTHS
 PROJECT DEPTHS ARE AS INDICATED ABOVE. ALL DEPTHS ARE IN U.S. SURVEY FEET.

THE AUTOMATED ELECTRONIC SURVEY WAS CONDUCTED BY R. DELESTOMICZ AND ROBERT R. SCHLIEWE, ABOARD THE USACDE SURVEY SMALL BOAT.

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

NOTES:
 1. GAGES USED WERE TAKEN FROM A 5 FT. GAGE BOARD SET ON A PILING ON THE UPSTREAM-RIGHT SIDE OF THE DIX STREET BRIDGE.
 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.

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1.	2 JULY 2008	UPDATED NOTES	RWP
NO.	DATE	REVISION	BY
U.S. ARMY ENGINEER DISTRICT, DETROIT CORPS OF ENGINEERS DETROIT, MICHIGAN			
ROUGE RIVER, MICH. AFTER DREDGE SURVEY C.S. 124+00 TO C.S. 157+00 8 SEPTEMBER, 2008 DETROIT AREA OFFICE			
DRAWN BY: R. DELESTOMICZ	DESIGNED BY:	CHECKED BY:	REVIEWED BY:
SUBMITTED:	APPROVAL RECOMMENDED:	DATE:	
CHIEF, PROJ. OPS. SECT.	CHIEF, OPS. BRANCH		
APPROVED:		SCALE 1" = 100'	DRAWING NUMBER
CHIEF, CONST - OPS DIVISION			rrg0508A.dgn