



INDEX TO SHEETS
BLACK RIVER

- NOTES
1. GAGE USED WERE REFERENCED FROM GAGE BOARD SET ON PILING AT THE MOUTH OF THE BLACK RIVER ON THE NORTH SIDE NEAR AN OLD RAILROAD TRESTLE.
 2. POSITIONS WERE DETERMINED BY GPS REFERENCE BEACON W99, LOCATED BY FOOT NAME DETROIT, MICHIGAN - FREQUENCY 319.042, 200 BPS.
 3. TRANSDUCER FREQUENCY USED TO MEASURE DEPTH DATA WAS 208.1042 AND THE BEAM ANGLE WAS 3-D DEGREES.
- 6.0 FT. CONTOUR

- 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 562.2 FT.; LAKE ST. CLAIR AT 575.4 FT. AND LAKE HURON AT 577.4 FT. ABOVE MEAN WATER LEVEL AT KINGSBURY, QUEBEC.
- GRID COORDINATES
- GRIDS SHOWN ARE BASED ON NATIONAL GEODESIC SURVEY PROJECTION TABLES, STATE OF MICHIGAN, SOUTH ZONE (2115), LAMBERT PROJECTION, 1983 NORTH AMERICAN DATUM.
- 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 PROJ. LEAD: PARRY CHIEF, ABOARD THE USACE SURVEY LAUNCH 3042.
- AUTOMATED EQUIPMENT USED
- POSITIONING: SURVEYING GPS
DATA PROCESSOR: DELL PC
SOFTWARE: COMTEC DGN/SURF/BRUNNICS
PLOTTERS: EGMAN-COJET 2
SONIC SOUNDER: INTERPULSE 448



- LEGEND:
- CHANNEL LIMITS
 - UNDERGROUND LINE
 - SHORE LINE S/L



CONTROL POINTS (CCP/SCN)

STATION	EAST	NORTH
51	13,634,792.92	550,953.76
52	13,634,647.95	552,386.52

CENTERLINE TURNING POINTS

STATION	EAST	NORTH
25	13,635,470.89	550,915.81
26	13,635,080.91	550,919.57
27	13,634,551.20	551,131.15
28	13,634,182.73	551,433.06
29	13,633,937.95	551,882.98

- NOTES
1. THE GRID COORDINATE SYSTEM SHOWN IS REFERENCED TO THE MICHIGAN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, SOUTH ZONE (2115), NORTH AMERICAN DATUM 1983 (NAD 83), US FOOT.

NO.	DATE	REVISION	BY

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

BLACK RIVER, MI
CONDITION SOUNDINGS
C.S. 141400 TO C.S. 169400
09 JUL 2002
DETROIT AREA OFFICE

DESIGNED BY: _____
DRAWN BY: _____
CHECKED BY: _____
REVIEWED BY: _____
SUBMITTED BY: _____

APPROVAL/RECOMMENDATION: _____ DATE: _____

CHIEF, PROJ. OPS. SEC. _____ CHIEF, QTS BRANCH _____

APPROVED: _____

SCALE AS SHOWN 1" = 100'
CAD FILE NAME: _____
SHEET NUMBER: _____
SHEET 5 OF 7: _____