

**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) CORRESPONDING TO THE SLOPING SURFACE OF THE RIVER WHEN LAKE HURON IS AT ELEVATION 571.5 AND LAKE ST. CLAIR IS AT ELEVATION 572.3 FT. ABOVE MEAN WATER LEVEL AT RINDQSKI, QUEBEC.

**GRID COORDINATES**  
GRIDS SHOWN ARE BASED ON NATIONAL GEODETIC 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.

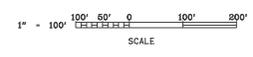
PROJECT DEPTHS ARE AS SHOWN ON DRAWING.

THE AUTOMATED ELECTRONIC SURVEY WAS CONDUCTED BY FREDRICK J.W. DOUGLAS, PARTY CHIEF, ABOARD THE USACE SURVEY VESSEL WHEELER.

**AUTOMATED EQUIPMENT USED**  
POSITIONING: TSS POS-MV  
DATA PROCESSOR: DELL 330 PC  
SOFTWARE: HYDRACAD  
FLUTTER: CADNET  
SONIC SOUNDER: RESON SEABAT 8125

**NOTES**

- 1. GAGES USED WERE OBTAINED FROM NOAA ELECTRONIC GAGE AT ST. CLAIR, MICHIGAN.
- 2. POSITIONS WERE DETERMINED BY GPS REFERENCE BEACON 836, LOCATED AT FORT WAYNE DETROIT, MICHIGAN - FREQUENCY 319 KHZ, 900 BPS
- 3. DEPTH MEASURED USING SEABAT 8125 ULTRA HIGH RESOLUTION FOCUSED MULTIBEAM ECHOSOUNDER SYSTEM.



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N 4830000



NO.	DATE	REVISION	BY
<b>U.S. ARMY ENGINEER DISTRICT, DETROIT</b> <b>CORPS OF ENGINEERS</b> <b>DETROIT, MICHIGAN</b>			
DESIGNED BY:	DETROIT AREA OFFICE	19 AUG 2005	
DRAWN BY:	<b>ST. CLAIR RIVER CHANNEL</b>		
CHECKED BY:	CS 1399+00 TO CS 1432+00		
REVIEWED BY:	MULTI-BEAM SWEEP SURVEY RESULTS		
MINIMUM STRIKE PLOT			
SUBMITTED BY:	APPROVAL RECOMMENDED:	P.E.C.	DATE
CHIEF, PROJ. OPS. SEC.	CHIEF, OTS BRANCH		
APPROVED:	SCALE AS SHOWN		
CHIEF, CONSTRUCTION - OPERATIONS DIVISION	SHEET 33 OF 54		
	DRAWING NUMBER: 603380003.001		