

**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).

**GRID COORDINATES**  
GRIDS SHOWN ARE BASED ON NATIONAL GEODETIC SURVEY PROJECTION TABLES, STATE OF MICHIGAN, SOUTH ZONE (21131), LAMBERT PROJECTION, 1983 NORTH AMERICAN DATUM.

ALL COORDINATES ARE IN U.S. SURVEY FEET.

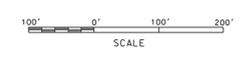
**DIRECTIONS**  
ALL DIRECTIONS ARE GRID AZIMUTHS REFERRED TO NORTH ZERO.

PROJECT DEPTHS ARE AS SHOWN ON DRAWING. ALL DEPTHS ARE IN U.S. SURVEY FEET.

THE AUTOMATED ELECTRONIC SURVEY WAS CONDUCTED BY ROBERT W. POLAK AND JAMES P. BYRNE, ABOARD THE USACOE SURVEY VESSEL "WHEELER".

**AUTOMATED EQUIPMENT USED**  
POSITIONING: TSS POS-MW  
SOFTWARE: HYPACK HYSWEEP  
SONIC SOUNDERS: RESON SEABAT 8125

- NOTES:**
1. GAGES USED WERE OBTAINED BY AVERAGING GAGE DATA FROM A TEMPORARY GAGE BOARD SET FROM TBM LADDER AT THE CCO BASE IN AMHERSTBURG AND THE CHS PHONE GAGE AT AMHERSTBURG.
  2. POSITIONS WERE DETERMINED BY GPS REFERENCE BEACON 039, LOCATED AT FORT WAYNE DETROIT, MICHIGAN - FREQUENCY 319 KHZ, 200 BPS.
  3. DEPTH MEASURED USING SEABAT 8125 ULTRA HIGH RESOLUTION FOCUSED MULTI-BEAM ECHOSOUNDER SYSTEM AND THE ODOM DIGIBAR PRO DB1200 VELOCITY PROFILER.
  4. EDITED MULTIBEAM SOUNDINGS WERE SORTED INTO A 37 FT. BY 15 FT. MATRIX. THE LARGEST STRIKE LOCATED IN EACH MATRIX CELL WAS THEN SELECTED FOR PLOTTING AT THE CELL CENTER.



1. 23 JULY 2008	UPDATED NOTES	RWP	
2. 23 JULY 2008	PLACED SOUNDINGS	RWP	
NO.	DATE	REVISION	BY
<b>U.S. ARMY ENGINEER DISTRICT, DETROIT</b> CORPS OF ENGINEERS DETROIT, MICHIGAN			
DESIGNED BY:	DETROIT AREA OFFICE	10 JUNE 2008	
DRAWN BY:	<b>DETROIT RIVER, MICHIGAN</b>		
CHECKED BY:	AMHERSTBURG CHANNEL		
REVIEWED BY:	CS 365+50 TO CS 400+50		
	MULTI-BEAM SWEEP SURVEY		
	STRIKE PLOT		
SUBMITTED BY:	APPROVAL RECOMMENDED:	P.E.	DATE
CHIEF, PROJ OPS SEC	CHIEF, OPERATIONS TECHNICAL SUPPORT BRANCH		
APPROVED:			
CHIEF, CONSTRUCTION OPERATIONS DIVISION			
		SCALE AS SHOWN	DRAWING NUMBER
		SHEET 9 OF 10	06980608.dgn