

L.W.D. 573.0'

PROJECT DEPTH 27.3

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 AS SHOWN ON THE SHEET. THEY 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 (2113), LAMBERT PROJECTION, 1983 NORTH AMERICAN DATUM.

DIRECTIONS

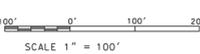
ALL DIRECTIONS ARE GRID AZIMUTHS REFERRED TO NORTH ZERO.
PROJECT DEPTHS ARE AS SHOWN ON DRAWING.
THE AUTOMATED ELECTRONIC SURVEY WAS CONDUCTED BY FRED LEECH, PARTY CHIEF, ABOARD THE USCGC SURVEY VESSEL WHEELER.

AUTOMATED EQUIPMENT USED

POSITIONING: TSS POS-WAY
DATA PROCESSOR: DELL 330 PC
SOFTWARE: HYPAK
PLOTTING: CAD 2
SONIC SOUNDERS: RESON SEABAT 8125

NOTES:

- GAGES USED WERE OBTAINED ELECTRONICALLY FROM NOAA GAGES AT ALCONAC (955) AND ST. CLAIR SHORES (055), MICHIGAN, VIA THE INTERNET.
- POSITIONS WERE DETERMINED BY GPS REFERENCE BEACON B38, LOCATED AT FORT WAYNE DETROIT, MICHIGAN - FREQUENCY 319 KHZ, 200 FPS.
- DEPTH MEASURED USING SEABAT 8125 ULTRA HIGH RESOLUTION FOCUSSED MULTIBEAM ECHOSOUNDER SYSTEM.
- EDITED MULTIBEAM SOUNDINGS WERE SORTED INTO A 37 FT. BY 15 FT. MATRIX, THE SHALLOWEST SOUNDING LOCATED IN EACH CELL WAS THEN SELECTED FOR PLOTTING AT THE CELL CENTER.



U.S. ARMY ENGINEER DISTRICT - DETROIT CORPS OF ENGINEERS DETROIT, MICHIGAN	
DESIGNED BY:	DATE: 16 AUGUST 2006
DETROIT AREA OFFICE	
ST. CLAIR RIVER, MICHIGAN	
CS 563+00 TO CS 597+00	
MULTI-BEAM SWEEP SURVEY RESULTS	
MINIMUM DEPTH PLOT	
DRAWN BY: J. B.	CHECKED BY: P.E.
REVIEWED BY: P.E.	DATE: _____
CHIEF, PROJ. OPS' SEC.	CHIEF, QTS BRANCH
APPROVED: P.E.	DATE: _____
CHIEF, CONSTRUCTION - OPERATIONS DIVISION	SCALE AS SHOWN
DRAWING NUMBER: 80980806.dgn	
SHEET 9 OF 54	