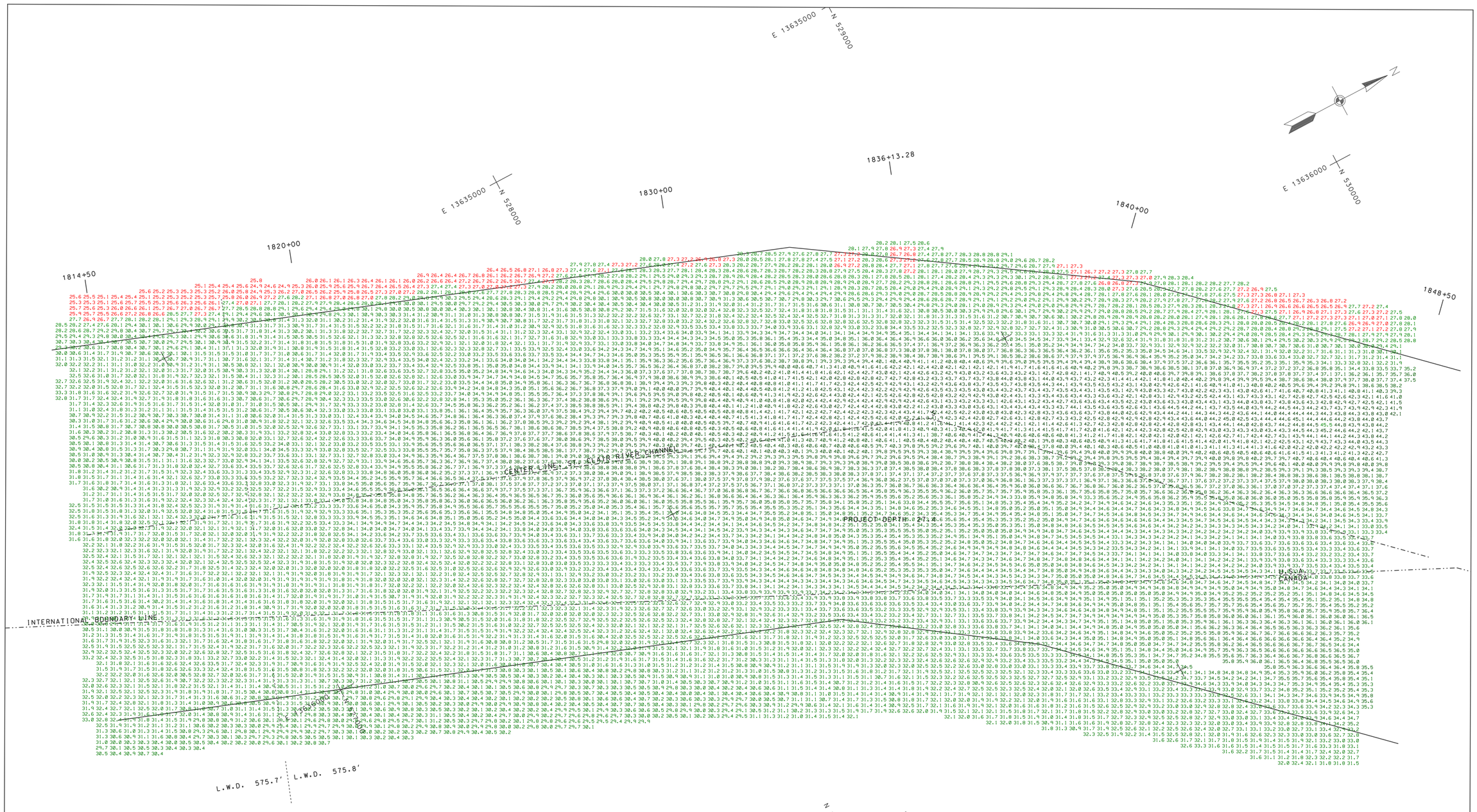

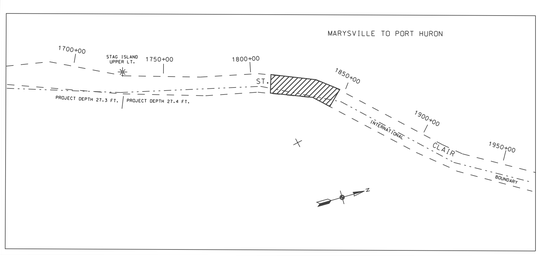

LEGEND

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) AND ARE ELEVATIONS ABOVE MEAN WATER LEVEL AT RIMOUSKI. QUEBEC.

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 JAMES P. BYRNE. ABOARD THE USACE SURVEY VESSEL WHEELER.

AUTOMATED EQUIPMENT USED

POSITIONING:	TSS POS-MV
SOFTWARE:	HYPACK MAX
SONIC SOUNDER:	RESON SEABAT 8125

NOTES:

1. GAGES USED WERE OBTAINED ELECTRONICALLY FROM NOAA GAGES AT ST. CLAIR AND DRY DOCK. MICHIGAN.
2. POSITIONS WERE DETERMINED BY GPS REFERENCE BEACON 838. LOCATED AT FORT WAYNE. DETROIT. MIHCIAN. FREQUENCY 319 KHZ. BAUD RATE 200 BPS.
3. DEPTH MEASURED USING SEABAT 8125 ULTRA HIGH RESOLUTION FOCUSED MULTIBEAM ECHOSOUNDER SYSTEM AND THE ODOM DIGIBAR PRO DB1200 VELOCITY PROFILER.
4. EDITED SOUNDINGS WERE SORTED INTO A 37 FOOT BY 15 FOOT MATRIX. AND THE MINIMUM DEPTH IN EACH MATRIX CELL WAS SELECTED FOR PLOTTING.

100' 0' 100' 200'
SCALE 1" = 100'

US ARMY CORPS OF ENGINEERS DETROIT DISTRICT

NO.	DATE	REVISION	BY

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

DETROIT AREA OFFICE — 7 JUL 2007

ST. CLAIR RIVER. MICHIGAN

ST. CLAIR RIVER CHANNEL
CS 1814+50 TO CS 1848+00
MULTI-BEAM SWEEP SURVEY RESULTS
MINIMUM DEPTH PLOT

DESIGNED BY:
DRAWN BY:
CHECKED BY:
REVIEWED BY:
SUBMITTED BY: P.E. — CHIEF. PROJ OPNS SEC
APPROVAL RECOMMENDED: P.E. — CHIEF. DTS BRANCH — DATE
APPROVED: P.E. — CHIEF. CONSTRUCTION - OPERATIONS DIVISION

SCALE AS SHOWN

SHEET 45 OF 54 — DRAWING NUMBER sc45s1003.dgn