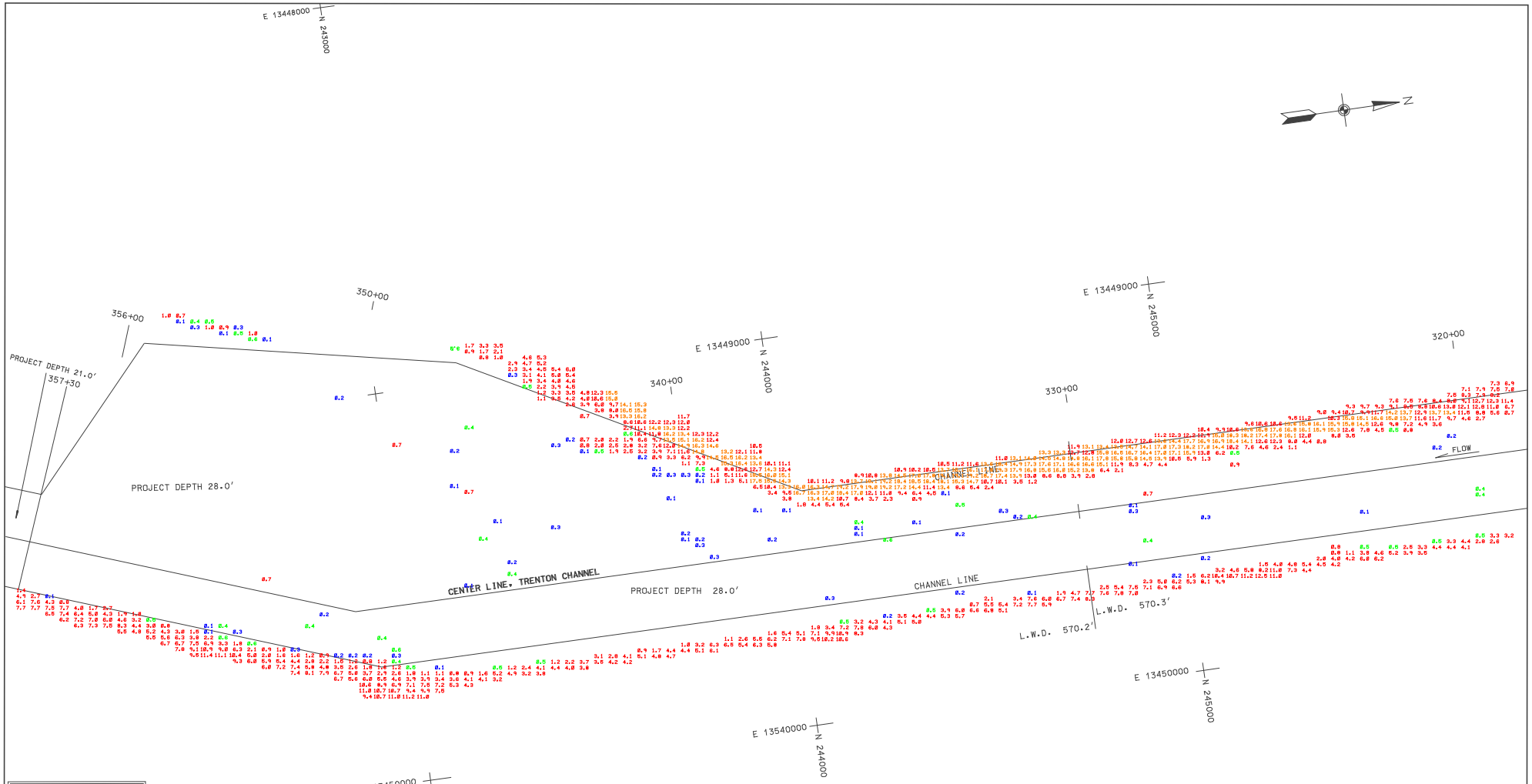
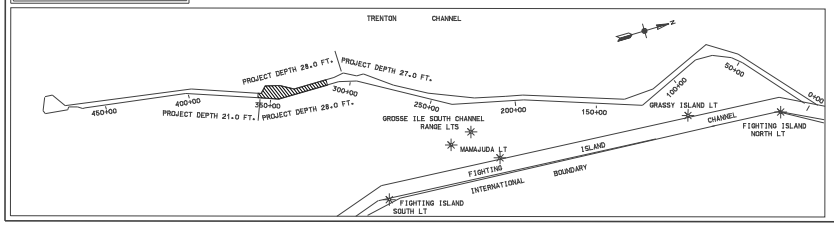


LOCATION MAP




## 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 FREDRICK J.W. DOUGLAS, PARTY CHIEF, ABOARD THE USACOE SURVEY VESSEL WHEELER

### AUTOMATED EQUIPMENT USED

| | |
|---|---|
| POSITIONING: | TSS POS-MV |
| DATA PROCESSOR: | DELL 330 PC |
| SOFTWARE: | HYPACK |
| PLOTTER: | CADJET 2 |
| SONIC SOUNDER: | RESON SEABAT 8125 |

## NOTES:

1. GAGES USED WERE OBTAINED FROM NOAA ELECTRONIC GAGE HOUSE AT WYANDOTTE AND GIBRALTAR VIA THE INTERNET.
2. POSITIONS WERE DETERMINED BY GPS REFERENCE BEACON 838, LOCATED AT FORT WAYNE DETROIT, MICHIGAN - FREQUENCY 319 KHZ, 200 BPS
3. DEPTH MEASURED USING SEABAT 8125 ULTRA HIGH RESOLUTION FOCUSED MULTIBEAM ECHOSOUNDER SYSTEM

100' 0' 100' 200'
SCALE

| NO. | DATE | REVISION | BY |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

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

DETROIT AREA OFFICE — 18 NOVEMBER 2003

# DETROIT RIVER, MICHIGAN

TRENTON CHANNEL
CS 320+00 TO CS 356+00
MULTI-BEAM SWEEP SURVEY RESULTS
MINIMUM STRIKE PLOT

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

SCALE AS SHOWN
SHEET 10 OF 14
DRAWING NUMBER t10s1103.dgn