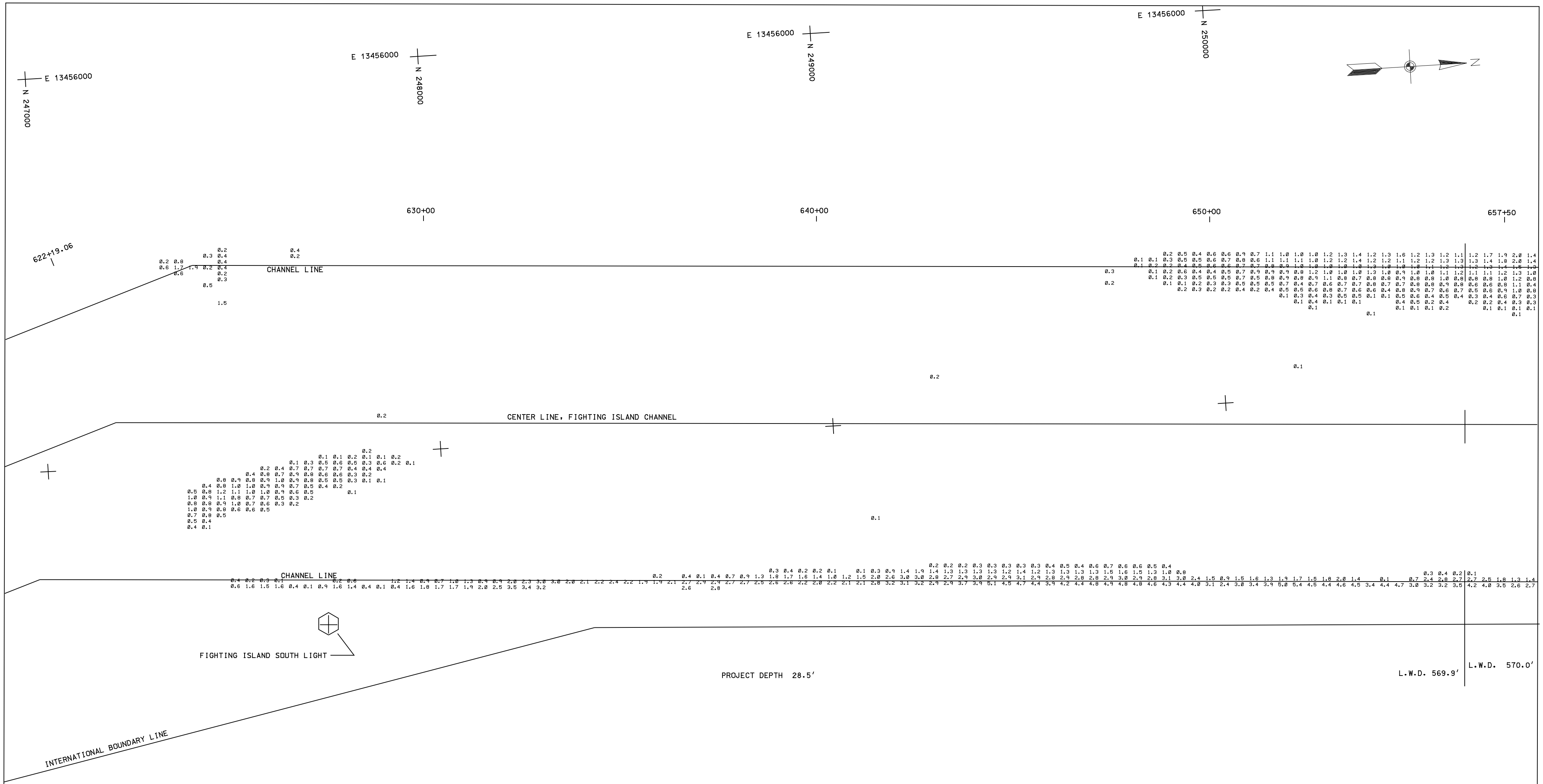


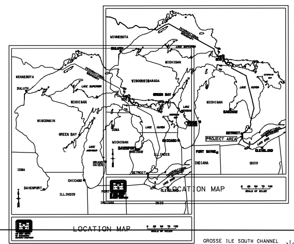


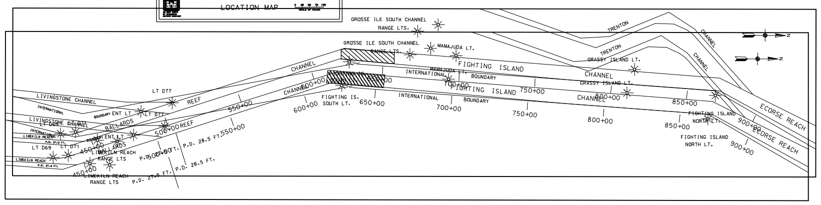


## LEGEND

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 OFTHE RIVER WHEN LAKE HURON IS AT ELEVATION 577.5, LAKE ST. CLAIR IS AT ELEVATION 572.3 FT AND LAKE ERIE IS AT ELEVATION 569.2. 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: | ENCAD, CADJET 2 |
| SONIC SOUNDER: | RESON SEABAT 8125 |

## NOTES:

1. GAGES USED WERE OBTAINED FROM NOAA ELECTRONIC GAGE HOUSE IN WYANDOTTE, MICHIGAN. CANADIAN GAGE WAS OBTAINED BY A-BURG PHONE.
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 50 0 100 200FT

SCALE: 1''= 100'

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

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

DESIGNED BY:
DRAWN BY:
CHECKED BY:
REVIEWED BY:

DETROIT AREA OFFICE — 10 JULY 2003

# DETROIT RIVER, MICHIGAN
## FIGHTING ISLAND CHANNEL
## CS 622+19.06 TO CS 657+50
## MULTI-BEAM SWEEP SURVEY RESULTS
## MINIMUM STRIKE PLOT

SUBMITTED BY: P.E.
CHIEF, PROJ OPNS SEC

APPROVAL RECOMMENDED: P.E. DATE
CHIEF, OPERATIONS TECHNICAL SUPPORT BRANCH

APPROVED: P.E.
CHIEF, CONSTRUCTION - OPERATIONS DIVISION

SCALE AS SHOWN

SHEET 1 OF 7

DRAWING NUMBER
fi1s0703.dgn