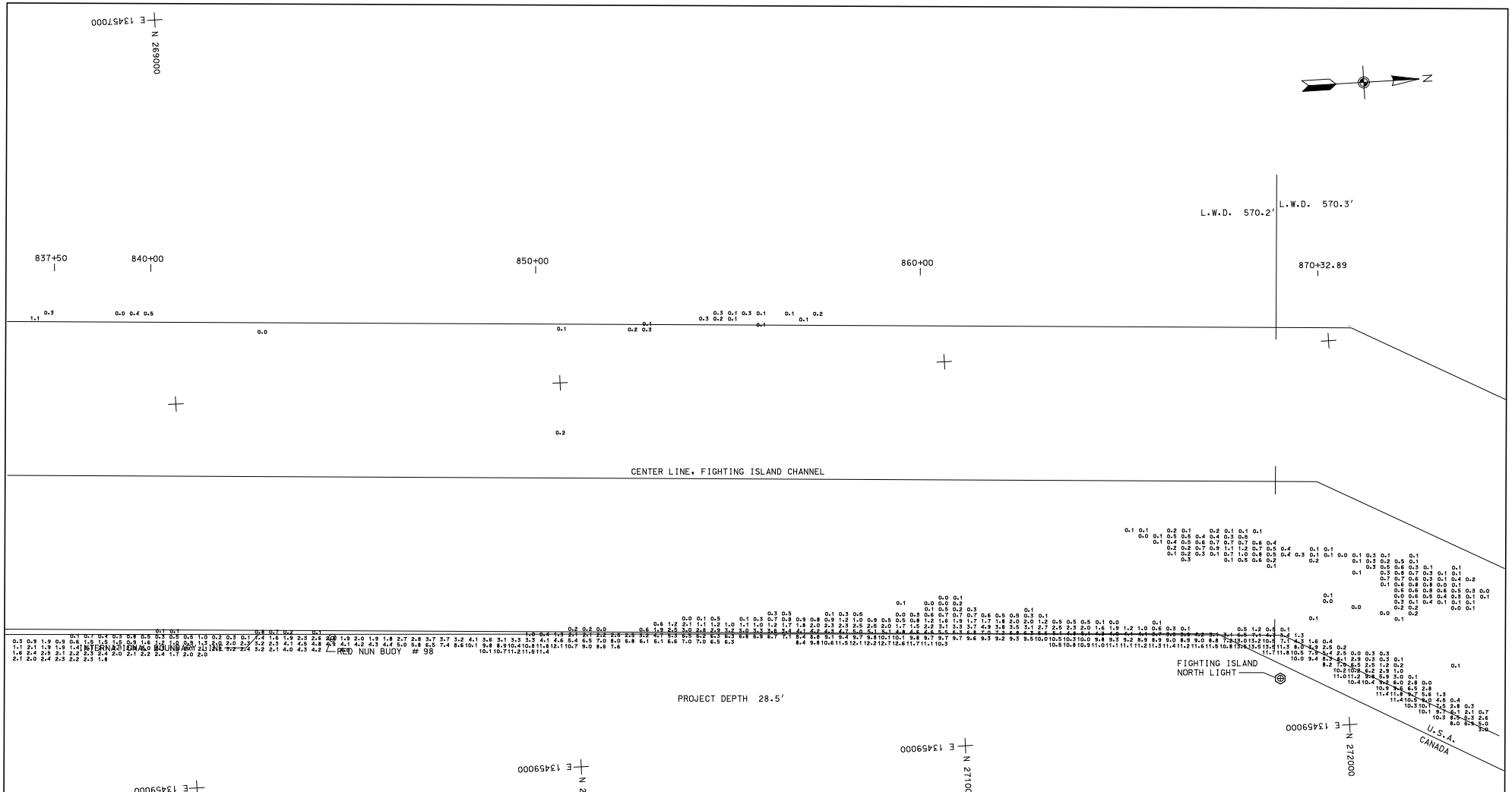

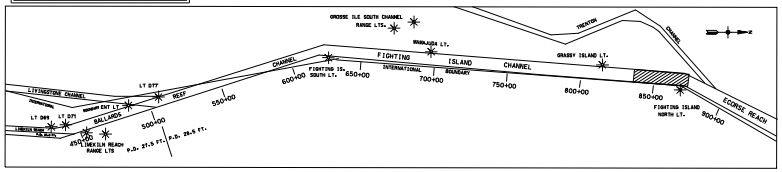


## LEGEND

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) AT ELEVATION 572.8 FT. 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, 1985 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: | STARLINK DGPS |
| DATA PROCESSOR: | DELL PRECISION 330 |
| SOFTWARE: | COASTAL OCEANOGRAPHICS |
| PLOTTER: | ENCAD, CADJET 2 |
| SONIC SOUNDER: | RESON 8125 SONAR |

## NOTES:

1. GAGES
2. POSITIONS WERE DETERMINED BY GPS REFERENCE BEACON 839. LOCATED AT FORT WAYNE DETROIT, MICHIGAN - FREQUENCY 319 KHZ. 200 BPS
3. TRANSDUCER USED TO MEASURE DEPTH DATA WAS RESON 8125 MULTI-BEAM

100' 0' 100' 200'
SCALE

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

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

DETROIT AREA OFFICE

# FIGHTING ISLAND CHANNEL

CS 837+50 TO CS 870+32.89

AUTOMATED SWEEP SURVEY RESULTS

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

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

SCALE AS SHOWN

DRAWING NUMBER

SHEET 7 OF 7