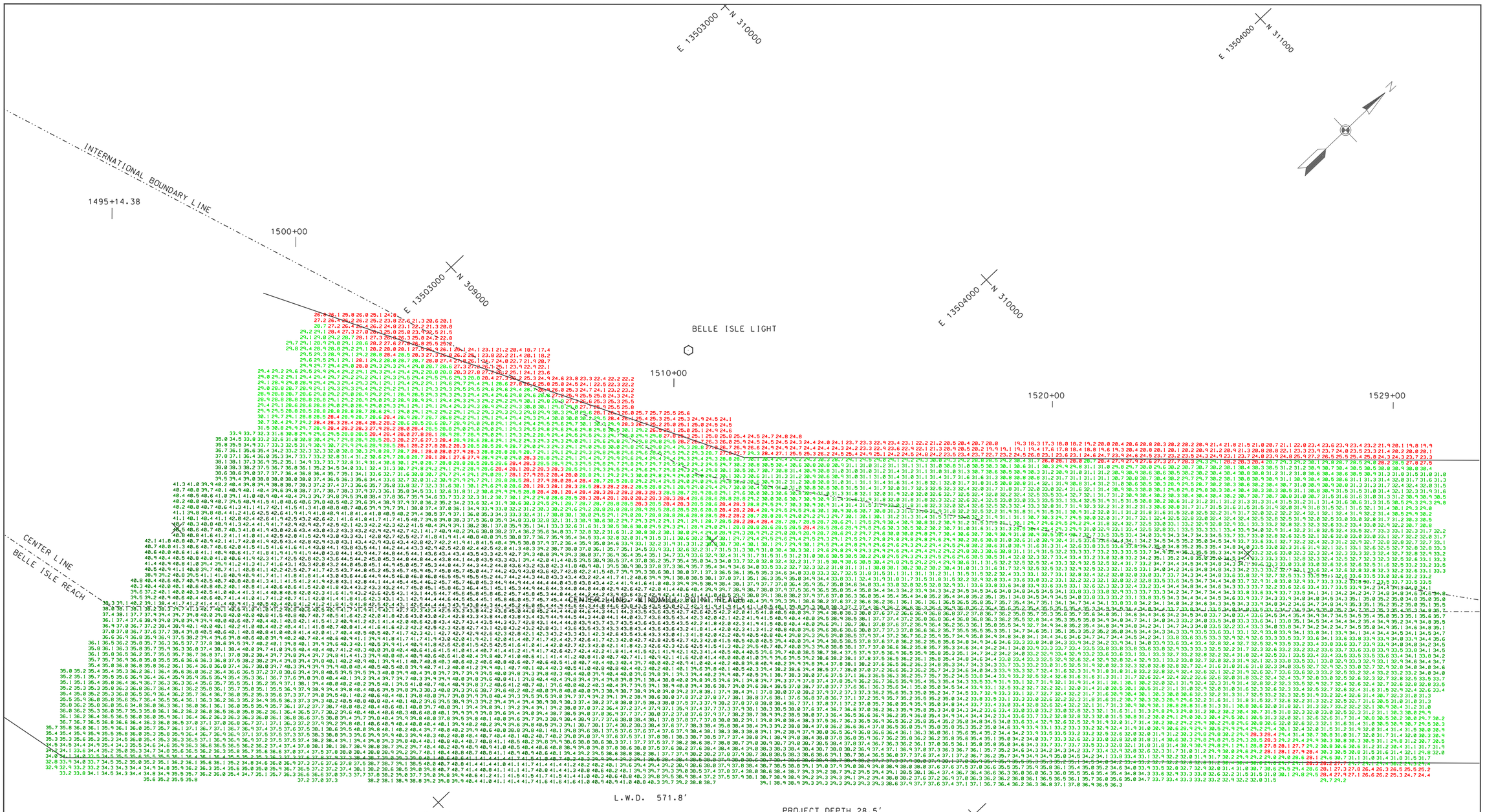


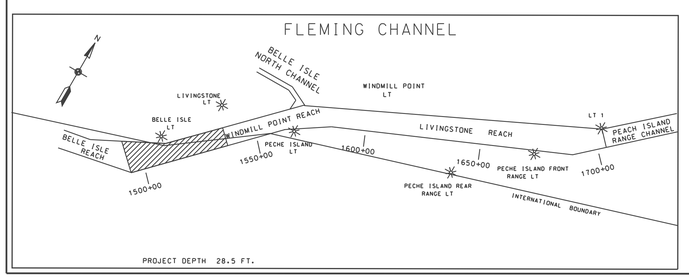

LEGEND

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 REFERED 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 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 A WEIGHTED AVERAGE OF DATA OBTAINED ELECTRONICALLY FROM NOAA GAGES AT WINDMILL POINT(81%). AND FORT WAYNE(19%). 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. AND ODOM DIGIBAR PRO DB1200 VELOCITY PROFILER.
4. EDITED MULTIBEAM SOUNDINGS WERE SORTED INTO A 37 FT. BY 15 FT. MATRIX. THE SHALLOWEST SOUNDING LOCATED IN EACH MATRIX CELL WAS THEN SELECTED FOR PLOTTING AT THE CELL CENTER.

100' 0' 100' 200'
SCALE

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

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

DETROIT AREA OFFICE — 14 NOVEMBER 2006

# DETROIT RIVER. MICHIGAN
## FLEMING CHANNEL
## CS 1495+00 TO CS 1529+00
## MULTI-BEAM SWEEP SURVEY RESULTS
## MINUMUM DEPTH PLOT

DESIGNED BY:
DRAWN BY: J.B.
CHECKED BY:
REVIEWED BY:
SUBMITTED BY: P.E.
CHIEF. PROJ DPNS SEC
APPROVED: P.E.
CHIEF. CONSTRUCTION - OPERATIONS DIVISION

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

SCALE AS SHOWN
SHEET 2 OF 7
DRAWING NUMBER fc2s1106.dgn