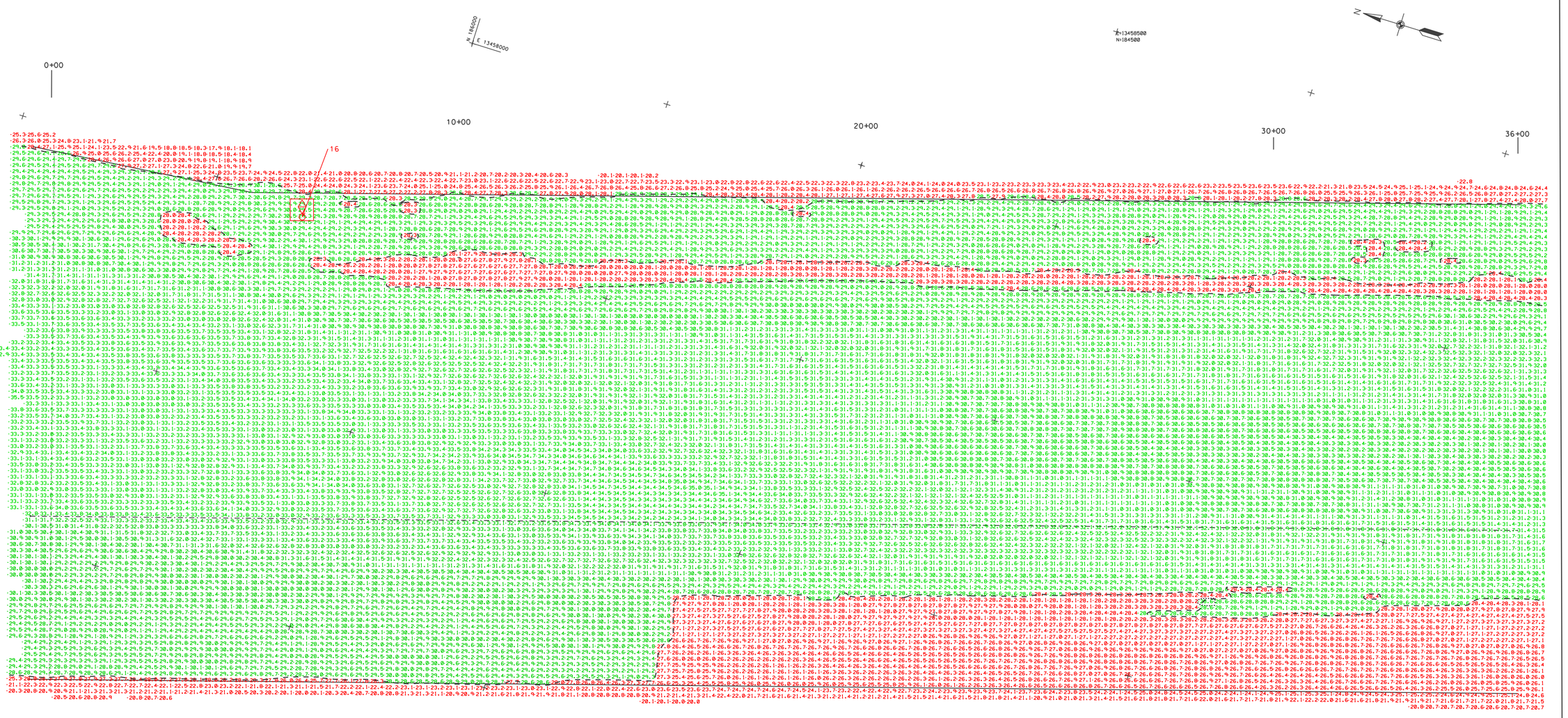

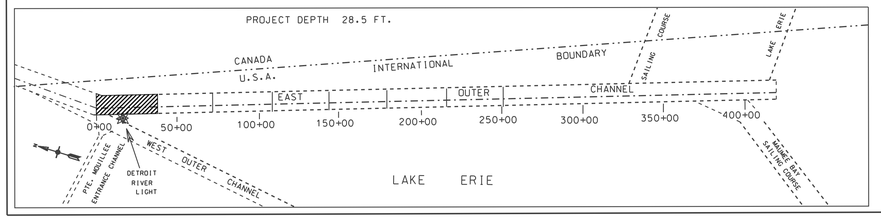

PROJECT DEPTH 28.5 FT.

28.5 FT. CONTOUR

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).

GRID COORDINATES

GRIDS SHOWN ARE BASED ON NATIONAL GEODETIC SURVEY PROJECTION TABLES. STATE OF MICHIGAN. SOUTH ZONE (2113). LAMBERT PROJECTION. 1983 NORTH AMERICAN DATUM.

ALL COORDINATES ARE IN U.S. SURVEY FEET.

DIRECTIONS

ALL DIRECTIONS ARE GRID AZIMUTHS REFERRED TO NORTH ZERO.

PROJECT DEPTHS ARE AS INDICATED ABOVE. ALL DEPTHS ARE IN U.S. SURVEY FEET.

THE AUTOMATED ELECTRONIC SURVEY WAS CONDUCTED BY ROBERT W. POLAK AND JIM BYRNE. ABOARD THE USACOE SURVEY VESSEL "WHEELER"

AUTOMATED EQUIPMENT USED

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

NOTES:

1. GAGES USED ARE AN AVERAGE OF DATA OBTAINED ELECTRONICALLY FROM THE NOAA GAGE AT FERMI POWER PLANT (9063090). 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 MULTI-BEAM CHOSOUNDER SYSTEM AND THE ODOM DIGIBAR PRO DB1200 VELOCITY PROFILER
4. EDITED MULTIBEAM SOUNDINGS WERE SORTED INTO A 37 FT. BY 15 FT. MATRIX. THE AVERAGE OF SOUNDINGS LOCATED IN EACH MATRIX CELL WAS THEN SELECTED FOR PLOTTING AT THE CELL CENTER.

100' 0' 100' 200'
SCALE

US ARMY CORPS OF ENGINEERS DETROIT DISTRICT

NO.	DATE	REVISION	BY
1.	05 JUNE 2008	UPDATED NOTES	R.W.P.
	06 AUG 2008	PLACED SOUNDINGS AND CONTOURED	R.W.P.

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

DETROIT AREA OFFICE — 29 JUL 2008

DETROIT RIVER, MICHIGAN
EAST OUTER CHANNEL
C.S. 0+00 TO C.S. 36+00
MULTIBEAM SWEEP SURVEY AFTER SOUNDINGS

DESIGNED BY: _____
DRAWN BY: R.W.P.
CHECKED BY: _____
REVIEWED BY: _____
SUBMITTED BY: _____
CHIEF, OTS BRANCH _____
APPROVED: _____
LTC, C.E. DISTRICT ENGINEER

APPROVAL RECOMMENDED: _____
CHIEF, PROJ. OPNS. SECT _____ DATE: _____

SCALE AS SHOWN

SHEET 1 OF 8

FILE NAME det100708.dgn