NOTES

1. THE SOUNDINGS INDICATED HEREON REPRESENT THE MINIMUM DEPTH FOUND IN THE 10 FOOT BY 10 FOOT AREA CENTERED AROUND THE TEXT. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SHOAL REMOVAL OPERATIONS AND NOTICES TO NAVIGATION INTERESTS.

2. ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). LOW WATER DATUM ZERO IS 577.5 FEET ABOVE MEAN WATER LEVEL AT FATHER POINT QUEBEC. WATER LEVEL READINGS ARE FROM AN AUTOMATED GAUGE LOCATED AT MACKINAC CITY (5080). DEPTHS ARE MEASURED USING A RESON SEABAT 8125 MULTIBEAM SONAR.

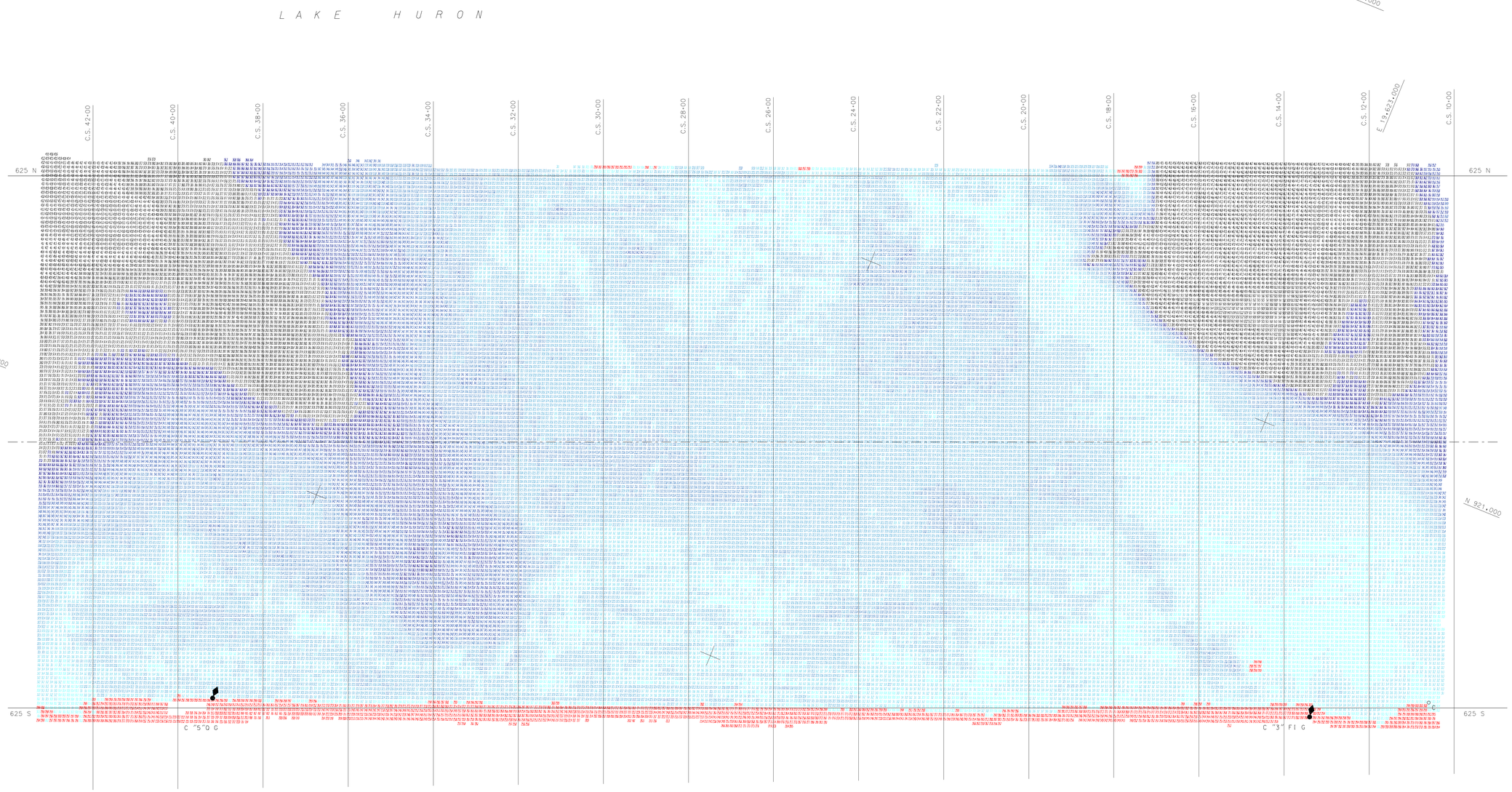
3. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON JULY 14, 2008 AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THE TIME.

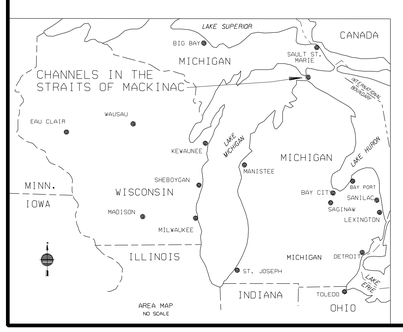
4. THE LOCATION OF NAVIGATION AIDS REPRESENT THEIR GENERAL LOCATION AND CANNOT BE CONSIDERED FOR NAVIGATION.

4. HORIZONTAL POSITIONING IS DETERMINED USING THE DIFFERENTIAL GLOBAL POSITIONING SYSTEM (DGPS). THE DIFFERENTIAL CORRECTIONS ARE PROVIDED BY U.S. COAST GUARD DIFFERENTIAL BROADCAST STATIONS LOCATED AT PICKFORD. AND CHEBOYGAN MI. SIGNAL STRENGTH IS USED AS THE DETERMINING FACTOR IN DIFFERENTIAL SELECTION. THE DGPS RECEIVER IS MANUFACTURED BY STARLINK. INC. MODEL DNAV 212. SERIAL NO. 292. THIS IS A SINGLE FREQUENCY RECEIVER (C/A. L1 CODE) WITH ADVERTISED POSITIONAL ACCURACY OF 1-3 METERS RMS.

5. GRID COORDINATES ARE BASED ON THE MICHIGAN STATE PLANE COORDINATE SYSTEM. LAMBERT PROJECTION. MICHIGAN CENTRAL ZONE (2112). NORTH AMERICAN DATUM 1983 (NAD83). ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET.

6. UNLESS OTHERWISE NOTED PROJECT DEPTH IS 30.0' BELOW LOW WATER DATUM.





SURVEY CONTROL DATA

STATION NUMBER	COORDINATES NORTH	COORDINATES EAST	ELEV.
EAST LIGHT	922.289.13	19.623.202.49	
PIER	898.272.31	19.594.727.97	
204	898.266.16	19.594.301.23	
110	898.744.14	19.594.376.53	
MACKINAW	897.531.71	19.594.100.84	585.154
STATE DOCK			583.526

AIDS TO NAVIGATION

DESCRIPTION	COORDINATES NORTH	COORDINATES EAST
C "5" Q G	919.466	19.620.954
C "3" F I G	920.399	19.623.360

LEGEND

- 0.0'
- 30.0'
- 31.0'
- 32.0'
- 33.0'
- 34.0'
- 35.0'
- 36.0'
- 37.0'
- 100'

100' 50' 0 100' 200'
SCALE: 1"=100'

US Army Corps of Engineers
Detroit District

Symbol	Description	Date (dd-mm-yy)	Date

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

Surveyed by: J. Mrozek
Drawn by: Cad
Cked by:
Area Chief: Scott Gerlach
Approved by:
Approval Recommended: S. Mgmt. Section
Reviewed by:
Chief, Eng. Design:
Chief, Eng. Support:
Survey Dates: July 14, 2008
Design file name:
Drawing code:
File name:
Plot date: 2-3-09
Plot scale: 1"=100'

SOO AREA OFFICE
CHANNELS IN STRAITS OF MACKINAC
FEDERAL NAVIGATION CHANNEL

ROUND ISLAND PASSAGE
JULY 14, 2008
CONDITION SURVEY

Sheet reference number:
RIP-01
Sheet 01 of 01