NOTES

1. THIS SURVEY INFORMATION IS ACCURATE AS OF THE DATE OF PUBLICATION. HYDROGRAPHIC SURVEY DATA IS SUBJECT TO CHANGE RAPIDLY DUE TO SEVERAL FACTORS INCLUDING BUT NOT LIMITED TO DREDGING ACTIVITY AND NATURAL SHOALING AND SCOURING PROCESSES. THE U.S. ARMY CORPS OF ENGINEERS ACCEPTS NO RESPONSIBILITY FOR CHANGES IN THE HYDRO-GRAPHICAL CONDITIONS WHICH DEVELOP AFTER THE DATE OF PUBLICATION.

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3. THE SOUNDINGS INDICATED HEREON REPRESENT THE MINIMUM DEPTH FOUND IN THE 20 FOOT BY 20 FOOT AREA CENTERED AROUND THE TEXT.

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

5. GRID COORDINATES ARE BASED ON THE MICHIGAN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, MICHIGAN NORTH ZONE (2111), NORTH AMERICAN DATUM 1983 (NAD83). ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET. CROSS SECTIONS AND RANGES ARE REFERRED TO PIPE ISLAND CHANNEL.

6. ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1955 (IGLD 55). LOW WATER DATUM ZERO IS 576.8 FEET ABOVE MEAN WATER LEVEL AT FATHER POINT QUEBEC. WATER LEVEL READINGS ARE FROM AN AUTOMATED GAUGE LOCATED AT DETOUR MARINA, DETOUR MI. DEPTHS ARE MEASURED USING 16.5 DEGREE, 214 Khz, TRANSDUCERS.

7. HORIZONTAL POSITIONING IS DETERMINED USING THE DIFFERENTIAL GLOBAL POSITIONING SYSTEM (DGPS). ADVERTISED POSITIONAL ACCURACY IS 1-3 METERS RMS.

8. UNLESS OTHERWISE NOTED PROJECT DEPTH IS 29.0' BELOW LOW WATER DATUM.

C.S. 69+00

C.S. 96+00

E 27,030,000

N 469,000

PIPE ISLAND COURSE

LOCATION MAP
NO SCALE

SAINT MARY'S RIVER
MICHIGAN
CANADA
ONTARIO
WISCONSIN
ILLINOIS
INDIANA
OHIO
MINN.
IOWA
DETOUR
MACKINAC ISLAND
ST. IGNACE
SAULT STE. MARIE
PIPE ISLAND COURSE
POT-HANDKERCHIEF BAY
DRUMMOND ISLAND
DETOUR PASSAGE
WHITEFISH BAY
LAKE SUPERIOR

SITE MAP
NO SCALE

LINE ISLAND CHANNEL
UPBOUND DETOUR PASSAGE
PIPE ISLAND CHANNEL
PIPE ISLAND COURSE SECTION 05
SAINT MARY'S RIVER
PIPE ISLAND
HARBOR ENTRANCE
WATER'S EDGE CLUBS
SHOOT'S POINT
01 02 03 04 05 06 07

LEGEND

0.0 - 29.0	FEET
29.0 - 29.5	FEET
29.5 - 30.0	FEET
30.0 - 30.5	FEET
30.5 - 31.0	FEET
31.0 - 41.0	FEET
41.0 - 51.0	FEET
51.0 - 100.0	FEET

FLOW

100' 50' 0 100' 200'

SCALE: 1"=100'

US Army Corps of Engineers
Detroit District

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

Surveyed by: [illegible]
Drawn by: [illegible]
Checked by: [illegible]
Approved by: [illegible]
Date: [illegible]
File name: [illegible]

600 ARMY MAPS
SAINT MARY'S RIVER
FEDERAL NAVIGATION CHANNEL

PIPE ISLAND COURSE
SURVEY SECTION 05
C.S. 69+00 TO C.S. 96+00
MINIMUM DEPTH PLOT

Sheet reference number:
PIC-03
Sheet 03 of 07