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.

E 271,497.000

N 473,000

C.S. 40+00

LINE ISLAND CHANNEL

PIPE ISLAND COURSE

C.S. 15+00

430' W

LOCATION MAP
NO SCALE

SAINT MARY'S RIVER
MICHIGAN
CANADA
ONTARIO
WISCONSIN
MINN.
IOWA
ILLINOIS
INDIANA
OHIO
DETROIT
MACKINAC
SAULT STE. MARIE
MARQUETTE
GREEN BAY
MILWAUKEE
CHICAGO
LAKE SUPERIOR
LAKE MICHIGAN
LAKE HURON
LAKE ERIE
MACKINAC ISLAND
ST. JOSEPH ISLAND
DRUMMOND ISLAND
DETOUR PASSAGE
WHITEFISH BAY
MUNISING BAY
POINT IROQUOIS
GRAND MARAIS
GRAND ISLAND
MUNISING
ESCANABA
MANISTIQUE
MENOMINEE
MARINETTE
SAULT STE. MARIE INTERNATIONAL BRIDGE
MACKINAC BRIDGE
AREA MAP
NO SCALE

SITE MAP
NO SCALE

PIPE ISLAND CHANNEL
LINE ISLAND CHANNEL
SAINT MARYS RIVER
DRUMMOND ISLAND PASSAGE
WATSON'S REEF CRANE
PIPE ISLAND COURSE
PIPE ISLAND CRANE
PIPE ISLAND LIGHT
PIPE ISLAND CHANNEL
SAINT'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

| | | | |
|---|---|---|---|
| Surveyed by: J.A. BROOKS | Date: SEPT. 21, 2004 | Datum: NAD83 (1986) | Horiz. Units: US SURVEY FEET |
| Processed by: K.M.K. | Chkd by: M.E.K. | Drawing name: PIC01FOOT.dgn | |
| Approved: Hydrographic Surveyor | Approved by: Chief, Survey Section | Plotted by: | |
| CHIEF, ENG. TECH. BRANCH | CHIEF, ENG. TECH. BRANCH | CHIEF, ENG. TECH. BRANCH | |
| CHIEF, ENG. TECH. BRANCH | CHIEF, ENG. TECH. BRANCH | CHIEF, ENG. TECH. BRANCH | |

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

SOO HARBOR (SOUTH SIDE)
SAULT STE. MARIE
FEDERAL NAVIGATION CHANNEL

PIPE ISLAND COURSE
SURVEY SECTION 01-000
C.S. 15+00 TO C.S. 40+00
MINIMUM DEPTH PLOT

Sheet reference number:
PIC-01
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