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.

2. THIS INFORMATION IS INTENDED FOR THE INTERNAL USE OF THE U.S. ARMY CORPS OF ENGINEERS AND IS BEING PROVIDED FOR EXTERNAL USE AS A PUBLIC SERVICE. THIS AGENCY ACCEPTS NO RESPONSIBILITY FOR ERRORS OR OMISSIONS CONTAINED IN THIS DATA. THE ACCURACY OF THIS DATA IS THEREFORE NOT GUARANTEED, AND PRUDENT MARINERS SHOULD NOT RELY SOLELY UPON IT.

3. THE SOUNDINGS INDICATED HEREON REPRESENT THE MINIMUM DEPTH FOUND IN THE #0 FOOT BY #0 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 POINT AUX. PINS CHANNEL.

6. ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1955 (1LGD 55). LOW WATER DATUM ZERO IS 569.7 FEET ABOVE MEAN WATER LEVEL AT FATHER POINT QUEBEC. WATER LEVEL READINGS ARE FROM AN AUTOMATED GAUGE LOCATED AT THE C. REISS COAL DOCK. DEPTHS ARE MEASURED USING 16.5 DEGREE, 214 Kmz. 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 28.0' BELOW LOW WATER DATUM.

LEGEND

0.0 - 28.0	FEET
28.0 - 28.5	FEET
28.5 - 29.0	FEET
29.0 - 29.5	FEET
29.5 - 30.0	FEET
30.0 - 40.0	FEET
40.0 - 50.0	FEET
50.0 - 100.0	FEET

U.S. Army Corps of Engineers
Detroit District

C.S. 113+00

C.S. 138+00

PT. AUX. PINS COURSE

600' S

500' S

SAINT MARY'S RIVER

CANADA

MICHIGAN

WISCONSIN

MINN.
IOWA

ILLINOIS

INDIANA

OHIO

LOCATION MAP
NO SCALE

ONTARIO

MICHIGAN

PT. AUX PINS COURSE

SITE MAP
NO SCALE

01 02 03 04 05 06

PT. LOUISE TURN

PT. LOUISE CHANNEL

ST. MARY'S RIVER

VOAR SHOALS CHANNEL

BAR POINT

FLOW

100' 50' 0 100' 200'

SCALE: 1"=100'

U.S. ARMY ENGINEER DISTRICT
DETROIT, MICHIGAN

Surveyed by: EE GREEN
Date: APR 11, 1999
Chief, Navigation Section: Jon Van Hee
Chief, Hydraulics Section: Fariborz Maseeh
Drawing Name: PA
Chief, Geo. Spec. Section: Robert Fox
Chief, Spec. Projects: Robert Fox
Approved by: Chief, Operations Division: Stephen Hammer

SOO AREA OFFICE
SOO HARBOR, MICHIGAN
FEDERAL NAVIGATION CHANNEL

POINT AUX. PINS COURSE
SURVEY SECTION 06
C.S. 113+00 TO C.S. 138+00
MINIMUM DEPTH PLOT

Sheet reference number:
PA06
Sheet 06 of 06