

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SERVICE

WATER LEVEL NOTE FOR HYDROGRAPHIC SHEET

Processing Division: Atlantic Marine Center: MOA231

Hourly heights are approved for

Water Level Station Used: See remarks

Period: July 11, 1984, through September 20, 1984

HYDROGRAPHIC SHEET: H-10141

OPR- X278-HFP-84

Locality: St. Mary's River

Plane of reference: Low Water Datum (-IGLD See remarks ----- Feet)

Remarks:

Above the Locks:

Station 907-6070, Southwest Pier, Michigan

Low Water Datum 599.8 Feet, IGLD 1955

Below the Locks:

Station 907-6060, U.S. Slip, Michigan

Low Water Datum 577.5 Feet, IGLD 1955

*for* Harry G. Hays  
Chief, Water Levels Section

### Field Water Level Note

Field water level reduction of soundings are based on unverified actual heights from the water level gage above the Corps of Engineers Locks, at Sault Ste. Marie, Michigan. This is station Southwest Pier (#907-6070). Data from this station was interpolated using program RK 500 on the Digital PDP/8e computer. Water level records were recorded in Eastern Standard Time, while computer output was in GMT.

Levels were run at station Southwest Pier and station Point Iroquois (#909-9004), prior to collecting data for hydrography and again after data collection had ended for the field season on OPR-X278. Beginning and ending levels were in agreement from both stations. Contact was made with all observers at the beginning of the project and no problems were encountered during the project.

Data from water level gage station U.S. Slip (#907-6060), located below the Corps of Engineers Locks was used to reduce sounding data from Pre-survey review item investigations and check channel lines run to overlay with data from the Canadian Hydrographic Service data in the area east of the locks.