

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: * Oak Orchard, New York (905-2070)
** Rochester, New York (905-2058)

Period: May 30, 1984 through August 15, 1984 except -- see NOTE below.

HYDROGRAPHIC SHEET: H-10110

OPR- V255-HFP-84

Locality: Lake Ontario

Plane of reference: Low Water Datum (IGLD 1955: 242.8 Feet)

Remarks:

Zoning not required, data from other gages on Lake Ontario indicates no unusual water level movement during the survey period.

NOTE: Use data from the Rochester, New York gage for the month of July 1984. The gage roll from Oak Orchard for July 1984 was lost in the mail.

for Harry A. Lippincott
Chief, Water Levels Section

Field Water Level Note

Field water level reduction of soundings was based on actual water levels from Oak Orchard Harbor, NY. All data were interpolated from ADR data tapes or supplemental staff readings and reduced to the International Great Lakes Datum (IGLD 1955). All times of actual and applied water levels are UTC.

Two water level gages were in operation during the 1983 and 1984 field seasons. The locations and periods of operation are:

Site	Location	Period
=====		
Oak Orchard Harbor 905-2070	43° 21. ² 3 N	5/31/84-10/4/83
	78° 11. ⁶ 3 W	5/25/84-8/1/84
Rochester, NY 905-2058	43° 16. ¹ 2 N	5/31/83-9/29/83
	77° 37.5 W	5/24/84-8/1/84

Oak Orchard Harbor, NY

The gage and staff were installed by HFP4 personal and maintained by them throughout the 1983 season. The gage was operated like a tide gage with the gage set to read 10 feet higher than the staff. The zero on the staff was set to IGLD, 1955 and the gage was operated on UTC.

In 1984, the gage and ETG was installed by an AMC tides party. While gage was operated by a contract observer, the ADR data tapes were forwarded by HFP-4 after actual heights were recorded for hydrography. The gage was set to EST. No loss for either field season was reported.

Rochester, NY

The gage and ETG is a primary water level station maintained by the NOS, N/MOA 212. The contract observer was contacted throughout the survey with no reported loss of water level data.

Levels

Levels were run before and after hydrography in 1983 by HFP-4 on both gages. No significant difference in elevations were found. Levels were run at the beginning of hydrography in

1984 by HFP-4 on both gages and will be run again at the conclusion of the current field season.

Zoning

As Rochester gage data was not available for comparison with the Oak Orchard data, zoning was not used in the field reduction of soundings. Currents within the Lake Ontario project area are negligible.