

Water-Data Report 2010

01454720 LEHIGH RIVER AT EASTON, PA

Upper Delaware Basin
Lehigh Subbasin

LOCATION.--Lat 40°41'12", long 75°12'32" referenced to North American Datum of 1927, Northampton County, PA, Hydrologic Unit 02040106, on left bank, near bridge on PA Highway 611 in Easton.

DRAINAGE AREA.--1,364 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1961 to July 2010 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1963 to July 2010.

pH: November 1972 to July 2010.

WATER TEMPERATURE: October 1961 to July 2010.

DISSOLVED OXYGEN: June 1966 to July 2010.

INSTRUMENTATION.--Water-quality monitor since October 1961. Probes interfaced with a data collection platform since the 1986 water year.

REMARKS.--No data are available due to the seasonal non-operation period (November through March) and due to malfunctions of the equipment April through July. The equipment was moved permanently on July 28 to an alternate site, 01454700, Lehigh River at Glendon, PA.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 581 microsiemens, Aug. 19, 1963; minimum, 70 microsiemens, Nov. 14, 1970.

pH: Maximum, 8.7, July 18, 19, 1991; minimum, 6.0, Mar. 16, 1978.

WATER TEMPERATURE: Maximum, 30.5°C, July 29, 1970, July 21, 1980; minimum, 0.0°C, many days during winters.

DISSOLVED OXYGEN: Maximum, 15.7 mg/L, Apr. 14, 1986; minimum, 0.0 mg/L, Aug. 4, 1966.