Water-Data Report 2008

01464598 DELAWARE RIVER AT BURLINGTON, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 40°04′48″, long 74°52′09″ referenced to North American Datum of 1983, Burlington City, Burlington County, NJ, Hydrologic Unit 02040201, on left bank at Burlington-Bristol Bridge, 0.7 mi north of US Route 130, 1.0 mi downstream of Assiscunk Creek, and at river mile 117.82.

DRAINAGE AREA.--7,160 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Continuous-record tide gage, March 1921 to July 1926, January 1931 to November 1939, August 1951 to June 1954, July 1957 to June 1964, July 1964 to September 2006. Records prior to July 1964 are in files of the Philadelphia District of the Army Corps of Engineers. Annual maximum tide, water year 2007.

REVISED RECORDS.--WDR NJ-76-1:1973(m).

GAGE.--Tidal crest-stage gage. Datum of gage is at 0.00 ft NAVD of 1988. Prior to October 2006, water-stage recorder at site approximately 1,500 ft downstream in intake canal of the Public Service Electric and Gas Company (PSE&G) property at datum 0.00 ft NGVD of 1929. Prior to May 20, 1971, water-stage recorder at site 0.7 mi upstream of PSE&G location at datum 0.00 ft NGVD of 1929. Data published to NGVD of 1929 can be adjusted to NAVD of 1988 by subtracting 1.07 ft. Online peaks have been adjusted to current datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation recorded, 7.71 ft (adjusted to NAVD of 1988), Dec 11, 1992; minimum elevation recorded, -7.93 ft (adjusted to NAVD of 1988), Nov 21, 1989.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation known, 9.7 ft (from high-water mark at site 1.4 mi upstream, adjusted to NAVD of 1988), Aug 20, 1955; minimum elevation known, -10.2 ft (adjusted to NAVD of 1988), Dec 31, 1962.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 6.63 ft, Oct 27.