Water-Data Report 2011

03184500 NEW RIVER AT HINTON, WV

Kanawha Basin
Lower New Subbasin

LOCATION.--Lat 37°40′13″, long 80°53′34″ referenced to North American Datum of 1927, Summers County, WV, Hydrologic Unit 05050004, on the right bank, in the city of Hinton, on Hinton Builders Supply Company property 0.2 mi upstream from Madam Creek, and 1.5 mi downstream from Greenbrier River at New River mile 62.0 and Kanawha River mile 160.0.

DRAINAGE AREA.--6,256 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June 1936 to September 1955 (daily discharge and peaks), October 1955 to September 2003 (daily discharge and annual maximum), October 2003 to September 2008 (annual maximum gage height), October 2008 to current year (annual maximum and minimum gage height).

REVISED RECORDS.--WDR WV-82-1: Drainage area. WDR WV-85-1: 1984(m): WDR WV-99-1: 1998 (m).

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 1,354.82 ft above NAVD 88 (1,355.38 ft above NGVD 29, corrected). Prior to June 5, 1949, water-stage recorder at site 400 ft upstream at same datum.

REMARKS.--Flow regulated since May 1939 by Claytor Lake, and since August 1949 by Bluestone Lake.

AVERAGE DISCHARGE FOR PERIOD PRIOR TO REGULATION.--2 years (water years 1937 and 1938), 8,642 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 246,000 ft^3/s, Aug. 15, 1940, gage height, 18.97 ft, from rating curve extended above 80,000 ft^3/s on basis of slope-area measurement at station at Bluestone Dam and gaged inflow from Greenbrier River, highest since 1901; minimum, 238 ft^3/s, Aug. 21, 1962.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 8.99 ft, Mar. 7; minimum gage height, 1.56 ft, Oct. 10, 14.

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 03184500, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/03184500.2011.pdf