

Water-Data Report 2012

03058500 WEST FORK RIVER AT BUTCHERVILLE, WV

Monongahela Basin
West Fork Subbasin

LOCATION.--Lat 39°05'26", long 80°28'04" referenced to North American Datum of 1927, Lewis County, WV, Hydrologic Unit 05020002, on right bank at Butcherville, 0.5 mi upstream from Freemans Creek, 3,500 ft downstream from abandoned railroad bridge, 3.0 mi north of Weston, and at mile 65.0.

DRAINAGE AREA.--181 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1915 to June 1925 (daily discharge and peaks), July to September 1925 (monthly discharge, published in WSP 1305), October 1925 to September 1976 (daily discharge and peaks), October 1976 to September 2000 (daily discharge and annual maxima), October 2000 to to September 2002 (annual maxima), October 2002 to September 2008 (annual maximum gage height), October 2008 to current year (annual maximum and minimum gage height).

REVISED RECORDS.--WSP 1053: 1935. WSP 1335: 1918, 1923.

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 992.44 ft above NAVD 88 (VERTCON conversion of 993.00 ft above NGVD 29). Prior to Feb. 17, 1937, nonrecording gage at abandoned railroad bridge 3,500 ft upstream. Feb. 17, 1937 to Apr. 9, 1939, nonrecording gage at site 2,500 ft upstream. Prior to Oct. 1, 1942, at datum 10 ft lower.

REMARKS.--Flow partially regulated since 1973 by Stonecoal Reservoir, and regulated since January 1990 by Stonewall Jackson Dam.

AVERAGE DISCHARGE FOR PERIOD PRIOR TO REGULATION.--56 years (water years 1916-72), 298 ft³/s, 22.38 in/yr.

EXTREMES FOR PERIOD PRIOR TO REGULATION.--Maximum discharge, 18,000 ft³/s, Jun. 25, 1950, gage height, 16.81 ft, from rating curve extended above 7,500 ft³/s on basis of slope-area measurement of peak flow, highest since 1888; no flow at times during October 1919 and December 1922 caused by either diversion or pondage at small dam upstream.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 6.52 ft, Nov. 23; minimum gage height, 1.20 ft, Apr. 26, Aug. 9.