

Water-Data Report 2013

**03069880 BUFFALO CREEK NEAR ROWLESBURG, WV**

Monongahela Basin  
Cheat Subbasin

LOCATION.--Lat 39°17'19", long 79°42'16" referenced to North American Datum of 1927, Preston County, WV, Hydrologic Unit 05020004, on left bank, 150 feet upstream from secondary highway bridge, 4.5 miles southwest of Rowlesburg, and at mile 2.8.

DRAINAGE AREA.--12.2 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--October 1967 to September 1977 (daily discharge and peaks), April 1993 to current year (annual maxima).

REVISED RECORDS.--WDR WV-2005-1: 1997-99(M).

GAGE.--Crest-stage gage. Datum of gage is approximately 1,639.38 ft above NAVD 88 (VERTCON conversion of 1,640 ft above NGVD 29, from topographic map). Prior to Sept. 30, 1977, water-stage and rainfall recorders, at same site and datum.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--10 years, 30.0 ft<sup>3</sup>/s, 33.39 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,690 ft<sup>3</sup>/s, Sept. 13, 1971, from rating curve extended above 1,500 ft<sup>3</sup>/s on basis of step-backwater method; minimum, 0.06 ft<sup>3</sup>/s, July 17, 18, 1971, gage height, 0.77 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 3, 1978, reached a stage of 8.10 ft, discharge, 8,400 ft<sup>3</sup>/s, from rating curve extended above 1,500 ft<sup>3</sup>/s on basis of step-backwater method, highest since 1968.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 870 ft<sup>3</sup>/s, Oct. 30, gage height, 4.24 ft.