

Water-Data Report 2007

03196800 ELK RIVER AT CLAY, WV

Kanawha Basin
Elk Subbasin

LOCATION.--Lat 38°27'38", long 81°05'16" referenced to North American Datum of 1927, Clay County, WV, Hydrologic Unit 05050007, on upstream side, right bank of County Route 28 bridge in the town of Clay, 1.0 mi downstream from Buffalo Creek, 2.2 mi downstream from Lower Two Run Creek, and at mile 52.4.

DRAINAGE AREA.--992 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1915 to September 1958 (annual maximum gage height, furnished by the National Weather Service), October 1958 to September 1978 (daily discharge and annual maxima), October 1978 to September 1993 (daily mean gage height and annual maxima), October 1993 to September 1994 (annual maximum gage height), October 1994 to September 1998 (annual maxima), October 2002 to current year (annual maximum gage height).

REVISED RECORDS.--WDR WV-82-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 677.28 ft above NGVD 88 (677.88 ft above NGVD 29). Prior to October 2003 at site 0.1 mi upstream at datum 0.42 ft lower. Prior to Mar. 27, 1959, nonrecording gage.

REMARKS.--Flow regulated since 1960 by Sutton Dam.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--20 years (water years 1959-78), 1,926 ft³/s, 26.31 in/yr, unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 48,000 ft³/s, Mar. 15, 1967, gage height, 22.80 ft; maximum gage height, 32.4 ft, Mar. 14, 1918; minimum discharge, 1.5 ft³/s, Sept. 22, 1959, gage height, -0.13 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 14, 1918, reached a stage of 32.4 ft, from reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 16.33 ft, Apr. 15.