

03152000 LITTLE KANAWHA RIVER AT GLENVILLE, WV

Upper Ohio-Little Kanawha Basin
Little Kanawha Subbasin

LOCATION.--Lat 38°55'58.7", long 80°50'17.6" referenced to North American Datum of 1983, Gilmer County, WV, Hydrologic Unit 05030203, on right bank at abandoned bridge on Conrad Court Street at Glenville, 1,400 ft upstream from Sycamore Run and at mile 105.

DRAINAGE AREA.--387 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1912 to September 1914 (annual maximum gage height), June 1915 to September 1920 (daily discharge, estimated Mar. 13, 1918 peak discharge, and annual maximum gage height), October 1920 to September 1928 (estimated Nov. 16, 1926 peak discharge, and annual maximum gage height), October 1928 to September 1975 (daily discharge and peaks, monthly discharge only for October to December 1928 published in WSP 1305), October 1975 to September 1983 (daily discharge and annual maxima), October 1983 to September 1984 (annual maxima), October 1984 to September 2000 (daily discharge and annual maxima), October 2000 to September 2008 (annual maximum gage height), October 2008 to current year (annual maximum and minimum gage height).

REVISED RECORDS.--WSP 1305: 1930, 1932(M). WSP 1435: 1954. WSP 1555: 1947(M). WDR WV-82-1: 1979. WDR WV-97-1: Drainage area. WDR-US-2008: 1979.

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 697.25 ft above NAVD 88 (697.79 ft above NGVD 29). Prior to Dec. 14, 1934, nonrecording gage at same site and datum. Prior to July 1, 1986 at site 400 ft downstream and at the same datum. May 25, 1971 to September 1983, and October 1984 to June 21, 1988, auxiliary water-stage recorder on Leading Creek near Glenville 2.7 mi downstream from base gage at datum 699.69 ft above NAVD 88 (700.23 ft above NGVD 29). Prior to May 25, 1971, auxiliary nonrecording gage at same site and datum.

REMARKS.--Flow partially regulated since 1968 by five floodwater-detention reservoirs affecting 49.5 mi² and since March 1979 flow regulated by Burnsville Reservoir at mile 124.2.

AVERAGE DISCHARGE FOR PERIOD PRIOR TO REGULATION.--39 years (water years 1929-67), 592 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,900 ft³/s, Nov. 5, 1985, gage height, 36.46 ft, from floodmarks; no flow at times in September and October, 1930 and 1932.

EXTREMES FOR PERIOD PRIOR TO REGULATION.--(water years 1916-20, 1929-67), Maximum discharge, 21,500 ft³/s, Mar. 7, 1967, gage height, 34.50 ft, affected by backwater; no flow at times in September and October, 1930 and 1932. Flood of Mar. 13, 1918, reached a stage of 32.9 ft, discharge approximately 20,000 ft³/s. Flood of Nov. 16, 1926, reached a stage of 33.6 ft, discharge approximately 21,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 19.60 ft, Mar. 1; minimum gage height, 2.26 ft, Aug. 5.