Water-Data Report 2012

# 03050500 TYGART VALLEY RIVER NEAR ELKINS, WV

Monongahela Basin
Tygart Valley Subbasin

LOCATION.--Lat 38°55′25″, long 79°52′45″ referenced to North American Datum of 1927, Randolph County, WV, Hydrologic Unit 05020001, on left bank 1.4 mi upstream from the mouth of Leading Creek and 1.5 mi west of Elkins, and at mile 79.5.

DRAINAGE AREA.--271 $mi^2$.

## SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1944 to September 2004 (daily discharge and peaks), October 2004 to September 2008 (annual maximum gage height), October 2008 to current year (annual maximum and minimum gage height). Prior to October 1960, published as Tygart River near Elkins.

REVISED RECORDS.--WDR WV-97-1: Drainage area.

GAGE.--Water-stage recorder with satellite telemeter. Datum of gage is 1,894.50 ft above NAVD 88 (1,895.05 ft above NGVD 29). Prior to Nov. 16, 1944, nonrecording gage, and Nov. 16, 1944 to Sept. 30, 1951, water-stage recorder at site 200 ft upstream at same datum.

REMARKS.--Slight regulation at times by flood-diversion dam upstream from station.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--60 years, 525 $ft^3/s$, 26.33 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,500 $ft^3/s$, Nov. 5, 1985, gage height, 22.81 ft, from floodmarks, from rating curve extended above 13,800 $ft^3/s$, on basis of slope-area measurement of peak flow, highest since 1888.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 13.31 ft, Mar. 1; minimum gage height, 1.22 ft, Sept. 1, 2.



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