

**03428500 WEST FORK STONES RIVER NEAR SMYRNA, TN**

Lower Cumberland Basin  
Stones Subbasin

LOCATION.--Lat 35°56'25.30", long 86°27'56.92" referenced to North American Datum of 1927, Rutherford County, TN, Hydrologic Unit 05130203, near left bank at county bridge on Sulphur Springs Road, 400 ft. upstream from Nices Mill Dam, 1.6 mi. downstream from Overall Creek, 4.2 mi. southeast of Smyrna, and at River Mile 6.4.

DRAINAGE AREA.--237 mi<sup>2</sup> of which 43 mi<sup>2</sup> probably is noncontributing.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Continuous-record streamgage, 1965-1991; Crest-stage gage, 1992-2011

REMARKS.--As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected.

A crest-stage gage is a device that will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from current meter or indirect measurements of peak flow. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained, but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 63,800 ft<sup>3</sup>/s, Mar. 13, 1975; maximum gage height, 19.18 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 20,300 ft<sup>3</sup>/s, Apr. 28, 2011, maximum gage height, 15.80 ft.