Water-Data Report 2011

03425637 STATION CAMP CREEK AT COTTONTOWN, TN

Lower Cumberland Basin
Lower Cumberland-Old Hickory Lake Subbasin

LOCATION.--Lat 36°27′06″, long 86°32′16″ referenced to North American Datum of 1927, Sumner County, TN, Hydrologic Unit 05130201, at State Highway 25 bridge in Cottontown.

DRAINAGE AREA.--7.21 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--1995-2011

REMARKS.--As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging station 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, 3,030 ft^3/s, May 2, 2010; maximum gage height, 19.13 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 906 ft^3/s, Feb. 28, 2011, maximum gage height 13.75 ft.