

Water-Data Report 2011

03599430 FOUNTAIN CREEK NEAR CULLEOKA, TN

Lower Tennessee Basin
Upper Duck Subbasin

LOCATION.--Lat 35°28'17.76", long 86°57'22.83" referenced to North American Datum of 1927, Maury County, TN, Hydrologic Unit 06040002, crest stage gage on upstream side of State Highway 373 bridge 5.5 mi. east of I-65, 1.6 mi. southeast of Culleoka, 2.7 mi. upstream from confluence with Globe Creek.

DRAINAGE AREA.--26.9 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Continuous-record gage, 1966-68; Crest-stage gage, 1997-2011

GAGE.--A standard USGS crest-stage gage consisting of a single 18-ft. section of 2-in. diameter galvanized steel pipe with standard Columbus fittings at top and bottom. The gage is mounted on the upstream right side of the bridge. Range in gage height is 6.10 ft. to 23.90 ft. Length of redwood stick is 17.78 ft.

A standard USGS staff gage is mounted on the right side of the mid-stream pier.

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 gage height, 15.89 ft., maximum discharge, 12,700 ft³/s, May 6, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 11.56 ft., maximum discharge, 4,750 ft³/s, Apr. 27, 2011.