

Water-Data Report 2011

03528390 CROOKED CREEK NEAR MAYNARDVILLE, TN

Upper Tennessee Basin
Upper Clinch Subbasin

LOCATION.--Lat 36°15'56", long 83°50'25" referenced to North American Datum of 1927, Union County, TN, Hydrologic Unit 06010205, at culvert on State Highway 170, 2.5 mi northwest of Maynardville, 5.5 mi northwest of Paulette.

DRAINAGE AREA.--2.23 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--1986 to current year.

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, 1,400 ft³/s, Apr. 17, 1998, maximum gage height, 9.67 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 215 ft³/s, gage height, 3.09 ft., Apr. 16, 2011.