



Water-Data Report 2011

07030100 CANE CREEK AT RIPLEY, TN

Hatchie-Obion Basin
Lower Hatchie Subbasin

LOCATION.--Lat 35°45'22", long 89°33'05" referenced to North American Datum of 1927, Lauderdale County, TN, Hydrologic Unit 08010208, at bridge on State Highway 19, 1.3 mi upstream from Hyde Creek, 1.5 mi northwest of Ripley.

DRAINAGE AREA.--33.9 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--1958-70, 1986-88 (operated as a continuous-record gaging station), 1989-2010

GAGE.--Datum of gage is 295.93 ft above NGVD of 1929.

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.

The following table contains annual maximum discharges for crest-stage stations. 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, 6,360 ft³/s, July 1, 1989, maximum gage height, 23.16 ft.

REVISIONS.--WDR TN-02-1: 2001-02 (P).

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Discharge, in ft ³ /s	Discharge qualification code	Gage height, in ft	Gage height qualification code
2011	---	---	---	---

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Date	Discharge, in ft ³ /s	Discharge qualification code	Gage height, in ft	Gage height qualification code
May 9, 2009	3,700	---	16.15	---

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**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Jan 14, 2007	2,890	4,B	14.16	4

Discharge qualification codes:

4 - Discharge less than indicated value, which is minimum recordable discharge at this site

B - Month or day of occurrence is unknown or not exact

Gage height qualification code:

4 - Gage height below minimum recordable elevation

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Jun 19, 2006	3,430	---	15.53	---

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Jun 12, 2005	3,020	---	14.50	---

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Apr 24, 2004	3,700	---	16.14	---

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
May 17, 2003	5,550	---	20.10	---

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**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Dec 17, 2001	4,460	---	17.83	---

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001**

Date	Discharge, in ft³/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Feb 16, 2001	3,210	---	14.99	---