



Water-Data Report 2011

## 07024760 SPRING CREEK NEAR GREENFIELD, TN

Hatchie-Obion Basin  
South Fork Obion Subbasin

LOCATION.--Lat 36°11'24", long 88°45'53" referenced to North American Datum of 1927, Weakley County, TN, Hydrologic Unit 08010203, on State Highway 54, 3.2 mi northeast of Greenfield.

DRAINAGE AREA.--93.4 mi<sup>2</sup>.

### SURFACE-WATER RECORDS

PERIOD OF RECORD.--1997 to current year.

GAGE.--Datum of gage is 300.00 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, unknown, maximum gage height, 28.42 ft, Nov. 30, 2001.

REVISIONS.--The peak discharge reported for water years 1999, 2000 and 2001 have been revised for WDR TN-01-1: 2001. The peak discharge for water years 2002, 2008 and 2009 changed to "unknown" because stage-discharge rating needs definition above 2,400 ft<sup>3</sup>/s. They supersede figures published in WDR TN-02-1: 2002, WDR TN-08-1: 2008, and WDR TN-09-1: 2009.

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

Date	Discharge, in ft <sup>3</sup> /s	Discharge qualification code	Gage height, in ft	Gage height qualification code
May 3, 2011	---	---	26.80	---

#### MAXIMUM PEAK DISCHARGE WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

Date	Discharge, in ft <sup>3</sup> /s	Discharge qualification code	Gage height, in ft	Gage height qualification code
May 6, 1999	1,540	---	24.83	---

**07024760 SPRING CREEK NEAR GREENFIELD, TN—Continued****MAXIMUM PEAK DISCHARGE  
WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000**

<b>Date</b>	<b>Discharge, in ft<sup>3</sup>/s</b>	<b>Discharge qualification code</b>	<b>Gage height, in ft</b>	<b>Gage height qualification code</b>
Mar 19, 2000	808	---	23.43	---

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

<b>Date</b>	<b>Discharge, in ft<sup>3</sup>/s</b>	<b>Discharge qualification code</b>	<b>Gage height, in ft</b>	<b>Gage height qualification code</b>
Feb 16, 2001	1,860	---	25.19	---