



Water-Data Report 2011

07028500 NORTH FORK FORKED DEER RIVER AT TRENTON, TN

Hatchie-Obion Basin
North Fork Forked Deer Subbasin

LOCATION.--Lat 35°58'49", long 88°55'35" referenced to North American Datum of 1927, Gibson County, TN, Hydrologic Unit 08010204, at bridge on State Highway 77, 104, 0.75 mi east of Trenton and 16.5 mi upstream from the confluence with Middle Fork Forked Deer River.

DRAINAGE AREA.--73.5 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2008 to current year, crest-stage gage, at current location. October 1950 to September 1971, May 2003 to September 2008, daily discharge. Prior to December 1950 monthly discharge only, published in WSP 1731, 1979 to 1984 annual maximum at present site, 1987 to 2007, annual maximum stage at site 0.5 mi downstream.

REVISED RECORDS.--WSP 1241: 1951. WSP 1920: Drainage area. WDR TN-71-1: 1965, 1966, 1969 (M).

(Need to add 2003 to 2006 peak discharges.)

GAGE.--Datum of gage is 311.85 ft above NGVD of 1929, determined from elevation provided by Tennessee Department of Transportation. Prior to 1971 recording gage referenced to datum 8.44 ft lower than present datum, 1979 to 1984 annual maximum at datum 8.44 ft lower than present datum. July 1987 to September 2007 annual maximum stage indicator located at site .5 mi downstream of present site at datum 5.0 ft lower than present datum.

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, 6,250 ft³/s, April 28, 2011; maximum gage height, 15.66 ft.

REVISIONS.--WDR TN-06-1: 2003-06 (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
Apr 28, 2011	6,250	---	15.66	---

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

Date	Discharge, in ft ³ /s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Jun 19, 2006	2,060	---	12.92	---

07028500 NORTH FORK FORKED DEER RIVER AT TRENTON, TN—Continued**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
Mar 28, 2005	2,460	---	13.45	---

**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
Feb 5, 2004	2,100	---	12.98	---

**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 6, 2003	2,510	---	13.50	---