



Water-Data Report 2010

03490522 FORGEY CREEK AT ZION HILL, TN

French Broad-Holston Basin
Holston Subbasin

LOCATION.--Lat 36°29'12", long 82°53'08" referenced to North American Datum of 1927, Hawkins County, TN, Hydrologic Unit 06010104, at culvert on county road (Carter Valley Road), 0.9 mi north of Zion Hill, 7.8 mi northeast of Rogersville.

DRAINAGE AREA.--1.38 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--1986-2009

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, 321 ft³/s, July 21, 1999, maximum gage height, 21.93 ft.

**MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Date	Discharge, in ft ³ /s	Discharge qualification code	Gage height, in ft	Gage height qualification code
2010	56.0	4,B	17.93	4

Discharge qualification code:

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