

Water-Data Report 2011

03604580 BLUE CREEK NEAR NEW HOPE, TN

Lower Tennessee Basin
Lower Duck Subbasin

LOCATION.--Lat 36°03'52", long 87°38'58" referenced to North American Datum of 1927, Humphreys County, TN, Hydrologic Unit 06040003, at county road bridge, 1.8 mi. northwest of New Hope, 3.1 mi. southeast of McEwen, and at River Mile 3.9.

DRAINAGE AREA.--13.2 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--1984-2011

GAGE.--A standard USGS crest-stage gage in one section consisting of an 8-ft. length of 2-in. diameter galvanized steel pipe with standard Columbus fittings at top and bottom. The gage is mounted to the left downstream wingwall. range in gage height is 17.04 ft. to 24.94 ft. Length of redwood stick is 7.90 ft.

REMARKS.--As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging station 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 gage height, 18.82 ft., maximum discharge, 3,930 ft³/s, June 13, 1989.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 17.95 ft., peak discharge 3,070 ft³/s, Apr. 27, 2011.