

Water-Data Report TX-2005

08095400 Hog Creek near Crawford, TX

Brazos River Basin

LOCATION.--Lat 31°33'20", long 97°21'22" referenced to North American Datum of 1927, McLennan County, Hydrologic Unit 12060203, on downstream side of bridge on Farm Road 185, 5.6 mi east of Crawford, and 9.8 mi upstream from South Bosque River.

DRAINAGE AREA.--78.2 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Aug. 1959 to Sept. 1985 (daily mean discharge), Oct. 1985 to current year (peak discharges greater than base discharge).

REVISED RECORDS.--WSP 1922: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 560.54 ft above NGVD of 1929. Prior to Oct. 27, 1959, nonrecording gage at same site and datum. Satellite telemeter at station.

REMARKS.--Records good. Since water year 1980, at least 10% of the contributing drainage area has been regulated. These structures control runoff from 42.0 mi² in the Hog Creek drainage basin.

AVERAGE DISCHARGE FOR PERIOD PRIOR TO REGULATION.--20 years (water years 1960-1979), 37.7 ft³/s (27,310 acre-ft/yr).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1900, 17.5 ft Sept. 26, 1936. Flood in Apr. or May 1957 reached a stage of 15.7 ft, from information by local residents.

EXTREMES FOR PERIOD PRIOR TO REGULATION.--WATER YEARS 1959-1979: Maximum discharge, 15,400 ft³/s Oct. 4, 1959 (gage height, 14.31 ft); no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 17	1445	2,740	6.97
Nov 22	1330	1,850	5.88
Nov 23	1515	*3,760	*8.06
Nov 23	2315	1,760	5.76