

08130500 Dove Creek at Knickerbocker, TX

Middle Colorado-Concho Basin
South Concho Subbasin

LOCATION.--Lat 31°16'26", long 100°37'50" referenced to North American Datum of 1927, Tom Green County, TX, Hydrologic Unit 12090102, on left downstream end of bridge on Farm Road 2335, 0.5 mi west of Knickerbocker, and 5.7 mi upstream from mouth.

DRAINAGE AREA.--226 mi² of which 8 mi² probably is noncontributing.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Oct. 1960 to Sept. 1995 (daily mean discharge), Oct. 1995 to current year (peak discharges greater than base discharge).

PERIOD OF RECORD, Water-Quality.--

CHEMICAL DATA: Feb. 1965 to May 1967.

BIOCHEMICAL DATA: Feb. 1965 to May 1967.

REVISED RECORDS.--WDR TX-81-3: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 2,001.45 ft above NGVD of 1929. Prior to Nov. 10, 1960, nonrecording gage, Nov. 10, 1960 to Mar. 17, 1986, water-stage recorder, both at site 278 ft to the right at present datum. Satellite telemeter at station.

REMARKS.--Records good. No known regulation. Flow is affected by diversions from two small upstream channel dams, and by small upstream diversions (for irrigation). Flow is sustained by springflow from Dove Creek Spring about 9.0 mi upstream. Some records listed in the period of record may not be available electronically.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--35 years (water years 1961-95), 16.2 ft³/s (11,740 acre-ft/year).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,500 ft³/s, Aug. 12, 1971, gage height, 20.66 ft; no flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1882, 30.4 ft in 1906 and Oct. 3, 1959; floods in 1882 and 1884 reached about the same stage, from information by local resident.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft³/s:

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
No peaks above base discharge			