

08133500 North Concho River at Sterling City, TX

Middle Colorado-Concho Basin
North Concho Subbasin

LOCATION.--Lat 31°49'48", long 100°59'36" referenced to North American Datum of 1927, Sterling County, TX, Hydrologic Unit 12090104, on right bank 100 ft upstream from bridge on State Highway 163, 0.5 mi south of Sterling City, 4.0 mi upstream from Sterling Creek, 5.1 mi downstream from Lacy Creek, and at mile 57.2.

DRAINAGE AREA.--588 mi² of which 20 mi² probably is noncontributing.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Sept. 1939 to Sept. 1985 (daily mean discharge), Oct. 1985 to Sept. 1995 (daily discharges greater than 100 ft³/s), Oct. 1995 to current year (peak discharges greater than base discharge).

PERIOD OF RECORD, Water-Quality.--

CHEMICAL DATA: Sept. 1964, Apr. 1966.

BIOCHEMICAL DATA: Sept. 1964, Apr. 1966.

PERIOD OF DAILY RECORD, Water-Quality.--

SPECIFIC CONDUCTANCE: Sept. 1964 to Apr. 1966.

WATER TEMPERATURE: Sept. 1964 to Apr. 1966.

REVISED RECORDS.--WSP 1512: 1945, 1948. WDR TX-81-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 2,242.36 ft above NGVD of 1929. Prior to Dec. 6, 1939, nonrecording gage at same site and datum. Satellite telemeter at station.

REMARKS.--Records good. No known regulation. There are several small diversions above station for irrigation. Some records listed in the period of record for may not be available electronically.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--46 years (water years 1940-85), 7.80 ft³/s (5,650 acre-ft/year).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,300 ft³/s, July 6, 1948, gage height, 23.70 ft; no flow at times each year. Maximum stage since at least 1891, that of July 6, 1948.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 300 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Sep 29	2300	*185	*8.07