

08033000 Neches River near Diboll, TX

Neches Basin
Middle Neches Subbasin

LOCATION.--Lat 31°07'58", long 94°48'35" referenced to North American Datum of 1927, Angelina County, TX, Hydrologic Unit 12020002, near center of main span of downstream bridge on U.S. Highway 59, 700 ft downstream from Texas and New Orleans Railroad Co. bridge, 2.9 mi downstream from Alabama Creek, 3.8 mi south of Diboll and at mile 203.5.

DRAINAGE AREA.--2,724 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Oct. 1923 to Sept. 1925, Mar. 1939 to Sept. 1985 (daily mean discharge). Monthly discharge only for some periods, published in WSP 1312. Oct. 1985 to Sept. 1989 (annual maximum), Oct. 1989 to current year (peak discharges greater than base discharge). Water-quality records: Chemical data: Oct. 1969 to Sept. 1981. Biochemical data: Oct. 1969 to Sept. 1981. Specific conductance: Oct. 1969 to Sept. 1981. Water temperature: Oct. 1969 to Sept. 1981.

REVISED RECORDS.--WSP 1242: 1950. WSP 1732: Drainage area. WDR TX-05: 1996(M), 2000(M).

GAGE.--Water-stage recorder. Datum of gage is 136.46 ft above NGVD of 1929. Prior to July 10, 1925, nonrecording gage at site 630 ft upstream; July 10 to Aug. 31, 1925, and Mar. 30, 1939, to Sept. 24, 1943, nonrecording gage at site 500 ft upstream; Sept. 25, 1943, to Aug. 16, 1973, nonrecording gage at site 70 ft upstream; all at present datum. Satellite telemeter at station.

REMARKS.--Records good. Since water year 1962, at least 10% of contributing drainage area has been regulated. No peaks above base discharge during current year.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--26 years (water years 1923-25, 1939-61) unregulated, 1,807 ft³/s (1,309,000 acre-ft/yr); 24 years (water years 1962-85) regulated, 1,353 ft³/s (980,200 acre-ft/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 49,900 ft³/s, May 4, 1944, gage height, 18.70 ft; no flow Aug. 15-22, 1925.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1874, 21 ft in May 1884 (discharge, about 110,000 ft³/s, from rating curve extended above 40,000 ft³/s); flood in 1900 reached a stage of 19.9 ft (discharge, about 80,000 ft³/s), from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 9,000 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jan 15	2145	16,000	15.44
Jul 19	1345	*22,700	*16.17