Water-Data Report 2013

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 mi^2.

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).

PERIOD OF RECORD, Water-Quality.--
CHEMICAL DATA: Oct. 1969 to Sept. 1981.
BIOCHEMICAL DATA: Oct. 1969 to Sept. 1981.
PESTICIDE DATA: Aug. 1970.
RADIOCHEMICAL DATA: Mar. to May 1981.

PERIOD OF DAILY RECORD, Water-Quality.--
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. Some records listed in the "Period of Record" for surface water and water quality may not be available electronically.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--26 years (water years 1923-25, 1939-61) unregulated, 1,807 ft^3/s (1,309,000 acre-ft/yr); 24 years (water years 1962-85) regulated, 1,353 ft^3/s (980,200 acre-ft/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 49,900 ft^3/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 ft^3/s, from rating curve extended above 40,000 ft^3/s); flood in 1900 reached a stage of 19.9 ft (discharge, about 80,000 ft^3/s), from information by local residents.

EXTREMES FOR CURRENT YEAR.--No peak discharge greater than base discharge of 9,000 ft^3/s

Date	Time	Discharge (ft^3/s)	Gage height (ft)
June 3	1345	--	10.94

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 08033000, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/08033000.2013.pdf