

Water-Data Report 2012

## 07344210 Sulphur River near Texarkana, TX

Big Cypress-Sulphur Basin  
Lower Sulphur Subbasin

LOCATION.--Lat 33°18'15", long 94°09'05" referenced to North American Datum of 1983, Bowie County, TX, Hydrologic Unit 11140302, on downstream side of highway embankment near left end of northbound bridge on U.S. Hwy 59, 0.4 mi downstream from Texarkana (Wright Patman) dam, 1.4 mi upstream from Elliott Creek, 11.7 mi southwest of Texarkana, and at mi 44.1.

DRAINAGE AREA.--3,443 mi<sup>2</sup>.

### SURFACE-WATER RECORDS

PERIOD OF RECORD.--Oct. 1979 to Sept. 1985 (daily discharges), Oct. 1985 to Sept. 1995 (midnight elevations), Aug. 2007 to current year (daily discharges above 560 ft<sup>3</sup>s). Jan. to Dec. 1939 and Jan. 1945 to Sept. 1979 (daily discharges) published by U.S. Army Corp of Engineers.

PERIOD OF RECORD, Water-Quality.--

CHEMICAL DATA: Jan. 1983 to Aug. 1985, Feb. 1992 to Aug. 1998 and Feb. 2005 to Aug. 2007.

BIOCHEMICAL DATA: Jan. 1983 to Aug. 1985, Feb. 1992 to Aug. 1998 and Feb. 2005 to Aug. 2007.

RADIOCHEMICAL DATA: Feb. 2005 to Aug. 2007.

GAGE.--Water-stage recorder. Datum of gage is 180.00 ft above NGVD of 1929. Satellite telemeter at station.

REMARKS.--Records fair except those for estimated daily mean discharges, which are poor. Some records listed in the "Period of Record" for surface water and water quality may not be available electronically. Since installation of gage, flow has been regulated by Texarkana (Wright Patman) dam located 0.4 mi upstream. No known diversions. No flow at times.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,600 ft<sup>3</sup>s, Oct. 14, 2009; maximum gage height, 32.67 ft, Jan. 5, 1983. No flow at times.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 94,000 ft<sup>3</sup>s, Apr. 4, 1945; maximum stage, 47.23 ft, Apr. 14, 1945 (U.S. Army Corps of Engineers). No flow at times.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,600 ft<sup>3</sup>s, Mar. 26, 27; maximum gage height, 31.61 ft., Mar. 27.

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**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012**  
**DAILY MEAN VALUES**  
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	3,120	---	11,300	---	---	---	---	---
2	---	---	---	---	5,130	---	11,200	---	---	---	---	---
3	---	---	---	---	6,750	---	11,000	---	---	---	---	---
4	---	---	---	---	7,260	---	11,100	---	---	---	---	---
5	---	---	---	---	7,490	---	11,000	---	---	---	---	---
6	---	---	---	---	7,620	---	10,900	---	---	---	---	---
7	---	---	---	---	7,700	---	10,800	---	---	---	---	---
8	---	---	---	---	7,750	---	10,800	---	---	---	---	---
9	---	---	---	---	7,770	---	10,700	---	---	---	---	---
10	---	---	---	---	7,780	---	10,600	---	---	---	---	---
11	---	---	---	---	7,770	---	10,600	---	---	---	---	---
12	---	---	---	---	7,770	---	10,700	---	---	---	---	---
13	---	---	---	---	7,350	---	10,800	---	---	---	---	---
14	---	---	---	---	6,320	---	10,800	---	---	---	---	---
15	---	---	---	---	5,490	---	10,800	---	---	---	---	---
16	---	---	---	---	4,070	1,750	10,700	---	---	---	---	---
17	---	---	---	---	3,330	2,690	10,100	---	---	---	---	---
18	---	---	---	---	2,970	2,960	8,570	---	---	---	---	---
19	---	---	---	---	3,020	3,670	7,000	---	---	---	---	---
20	---	---	---	---	3,130	5,400	6,520	---	---	---	---	---
21	---	---	---	---	3,030	e7,930	6,370	---	---	---	---	---
22	---	---	---	---	2,930	e10,200	6,120	---	---	---	---	---
23	---	---	---	---	2,870	11,200	5,220	---	---	---	---	---
24	---	---	---	---	2,810	11,200	3,390	---	---	---	---	---
25	---	---	---	---	2,770	11,400	2,280	---	---	---	---	---
26	---	---	---	---	2,750	11,600	---	---	---	---	---	---
27	---	---	---	945	2,550	11,600	---	---	---	---	---	---
28	---	---	---	1,210	1,990	11,400	---	---	---	---	---	---
29	---	---	---	1,270	1,310	11,400	---	---	---	---	---	---
30	---	---	---	1,730	---	11,400	---	---	---	---	---	---
31	---	---	---	2,390	---	11,400	---	---	---	---	---	---
<b>Total</b>	---	---	---	---	142,600	---	---	---	---	---	---	---
<b>Mean</b>	---	---	---	---	4,917	---	---	---	---	---	---	---
<b>Max</b>	---	---	---	---	7,780	---	---	---	---	---	---	---
<b>Min</b>	---	---	---	---	1,310	---	---	---	---	---	---	---
<b>Ac-ft</b>	---	---	---	---	282,800	---	---	---	---	---	---	---

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