Water-Data Report 2012

02469761 TOMBIGBEE RIVER AT COFFEEVILLE LOCK AND DAM NEAR COFFEEVILLE, AL

Mobile Bay-Tombigbee Basin
Lower Tombigbee Subbasin

LOCATION.--Lat 31°45′30″, long 88°07′45″ referenced to North American Datum of 1927, Choctaw County, AL, Hydrologic Unit 03160203, near right bank at Coffeeville Lock and Dam, 2 mi west of Coffeeville, 4 mi downstream of Turkey Creek, and at river mile 74.7.

DRAINAGE AREA.--18,417 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1960 to current year (water years 1961-67 published in 1977 annual report).

REVISED RECORDS.-- WDR AL-84-1: Drainage area. WDR AL-90-1: 1987, 1989. WDR AL-94-1: 1993.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. Prior to October 1, 1993, water-stage recorder at same site at datum 14.00 ft lower.

REMARKS.--No estimated daily discharges. Record considered good. Some regulation by Lewis Smith Reservoir on Sipsey Fork (station 02451950), Bankhead Lock and Dam on Black Warrior River, usable capacity, 112,000 acre-ft, Holt Lock and Dam on Black Warrior River, usable capacity, 115,000 acre-ft, and lock and dam at gage. Records since Jan. 16, 1985, include diversions from Tennessee River basin through Bay Springs lock on Tennessee-Tombigbee Waterway.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 1, 1874 reached a stage of 53.4 ft, discharge not determined, at site 0.5 mi downstream at present datum.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 110,000 ft^3/s, Mar. 27; minimum discharge, 684 ft^3/s, Nov. 13.

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 02469761, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/02469761.2012.pdf

02469761 TOMBIGBEE RIVER AT COFFEEVILLE LOCK AND DAM NEAR COFFEEVILLE, AL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8,500	1,870	31,500	59,500	72,600	24,500	33,900	4,940	4,460	2,650	8,360	7,670
2	5,670	1,860	26,000	42,600	57,900	32,000	32,900	4,670	5,770	2,760	14,200	6,180
3	3,050	1,780	18,400	31,200	49,900	44,900	32,700	4,350	4,290	2,860	14,700	5,700
4	3,130	1,970	18,000	25,200	48,100	70,400	28,900	8,460	5,950	2,740	8,830	16,400
5	2,980	1,920	14,100	23,900	50,800	71,300	25,700	7,420	7,030	2,370	7,560	36,100
6	2,370	2,180	14,100	23,300	62,100	60,500	20,700	6,520	6,320	2,280	4,780	43,200
7	2,450	4,320	15,700	23,200	70,500	44,500	18,000	9,020	5,830	2,300	5,920	40,900
8	2,480	3,350	20,300	22,400	67,600	34,300	13,700	10,900	3,600	2,560	6,970	30,100
9	4,300	2,090	26,200	24,800	57,100	33,100	12,300	6,790	4,340	2,370	3,990	17,700
10	2,100	4,640	28,700	29,500	43,800	56,100	11,500	11,000	5,400	2,200	7,120	9,750
11	2,690	2,220	23,000	43,800	34,700	79,800	9,220	13,800	4,970	3,100	9,300	4,770
12	4,130	1,230	19,400	52,700	28,300	85,700	8,220	11,500	8,840	7,170	12,700	9,100
13	2,410	1,060	17,500	58,700	22,200	77,300	9,470	16,400	5,960	10,200	6,880	6,420
14	2,250	1,460	14,300	61,300	21,100	64,500	6,480	22,800	6,090	8,830	7,840	4,510
15	2,250	2,160	10,300	57,700	24,000	49,100	5,970	20,800	4,380	8,260	9,790	3,000
16	2,040	3,880	9,190	49,700	30,800	38,500	7,830	17,700	4,290	7,840	5,480	3,430
17	2,080	7,110	15,600	42,500	41,800	32,400	10,300	14,200	4,000	6,180	6,440	3,890
18	3,840	5,430	19,000	36,700	46,700	27,600	15,800	8,760	3,090	5,430	10,300	9,840
19	2,240	3,140	19,700	36,900	62,600	23,500	25,900	10,100	2,090	9,320	17,900	20,600
20	1,920	3,280	19,200	37,000	75,100	20,300	23,700	7,970	1,920	8,340	19,100	20,800
21	1,660	2,510	17,400	37,800	75,500	19,400	21,200	4,020	1,970	12,400	16,700	19,500
22	2,200	3,110	19,200	36,900	62,000	25,200	15,500	5,870	2,020	15,400	10,800	18,000
23	1,980	6,280	33,800	40,200	46,400	73,800	10,200	6,980	1,930	22,300	8,020	14,900
24	1,660	6,420	44,900	53,300	40,800	88,200	8,580	5,870	1,790	17,200	6,510	11,000
25	3,040	6,380	49,000	62,600	34,700	98,500	8,860	3,140	1,730	7,900	6,740	7,010
26	2,980	3,520	46,800	62,600	29,700	105,000	6,890	3,980	1,490	5,960	6,000	8,090
27	1,440	8,610	51,600	77,900	21,000	103,000	3,760	4,260	1,500	3,760	3,970	5,040
28	1,780	15,900	67,500	90,100	21,100	84,500	5,800	4,030	1,310	4,050	4,900	4,550
29	2,210	20,500	84,700	91,500	25,000	47,800	5,150	3,070	1,290	3,850	4,930	5,930
30	2,120	29,300	88,500	91,400	---	30,600	4,630	2,390	1,790	3,880	5,250	6,160
31	1,620	---	78,700	85,000	---	27,200	---	4,260	---	6,170	8,870	---
Total	85,570	159,480	962,290	1,511,900	1,323,900	1,673,500	443,760	265,970	115,440	202,630	270,850	400,240
Mean	2,760	5,316	31,040	48,770	45,650	53,980	14,790	8,580	3,848	6,536	8,737	13,340
Max	8,500	29,300	88,500	91,500	75,500	105,000	33,900	22,800	8,840	22,300	19,100	43,200
Min	1,440	1,060	9,190	22,400	21,000	19,400	3,760	2,390	1,290	2,200	3,970	3,000
Cfsm	0.15	0.29	1.69	2.65	2.48	2.93	0.80	0.47	0.21	0.35	0.47	0.72
In.	0.17	0.32	1.94	3.05	2.67	3.38	0.90	0.54	0.23	0.41	0.55	0.81

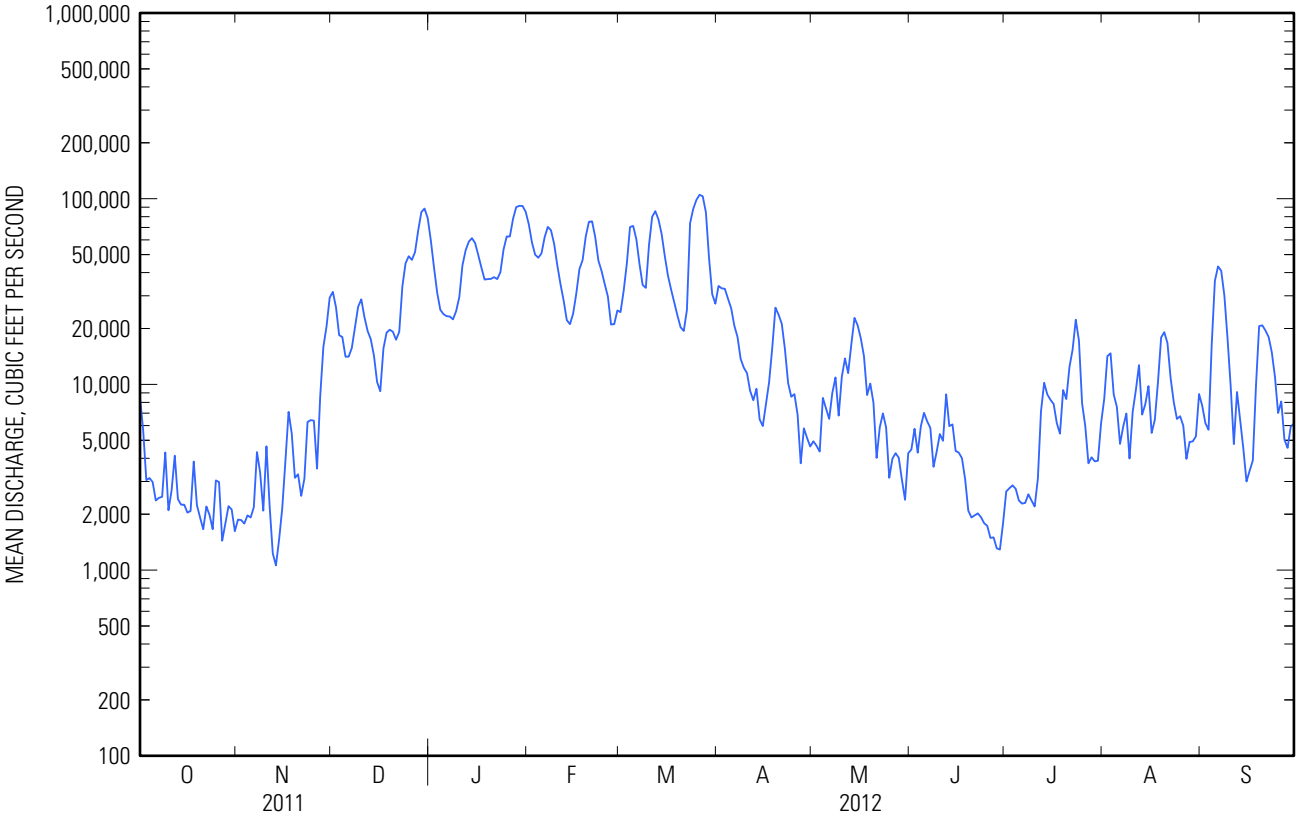
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	9,202	14,120	33,570	49,640	54,230	62,030	53,290	30,430	16,230	12,250	8,044	8,851
Max	56,230	45,010	100,900	110,900	161,100	152,200	171,600	153,100	68,860	58,070	24,140	40,870
(WY)	(2010)	(2005)	(1984)	(1974)	(1990)	(1961)	(1980)	(1991)	(1997)	(1989)	(2003)	(2009)
Min	1,401	1,973	3,754	7,689	10,790	13,470	5,781	2,866	2,416	3,132	2,353	2,037
(WY)	(1988)	(1982)	(2008)	(1981)	(2000)	(2007)	(1986)	(2007)	(2007)	(2000)	(1999)	(2010)

02469761 TOMBIGBEE RIVER AT COFFEEVILLE LOCK AND DAM NEAR COFFEEVILLE, AL—Continued

SUMMARY STATISTICS

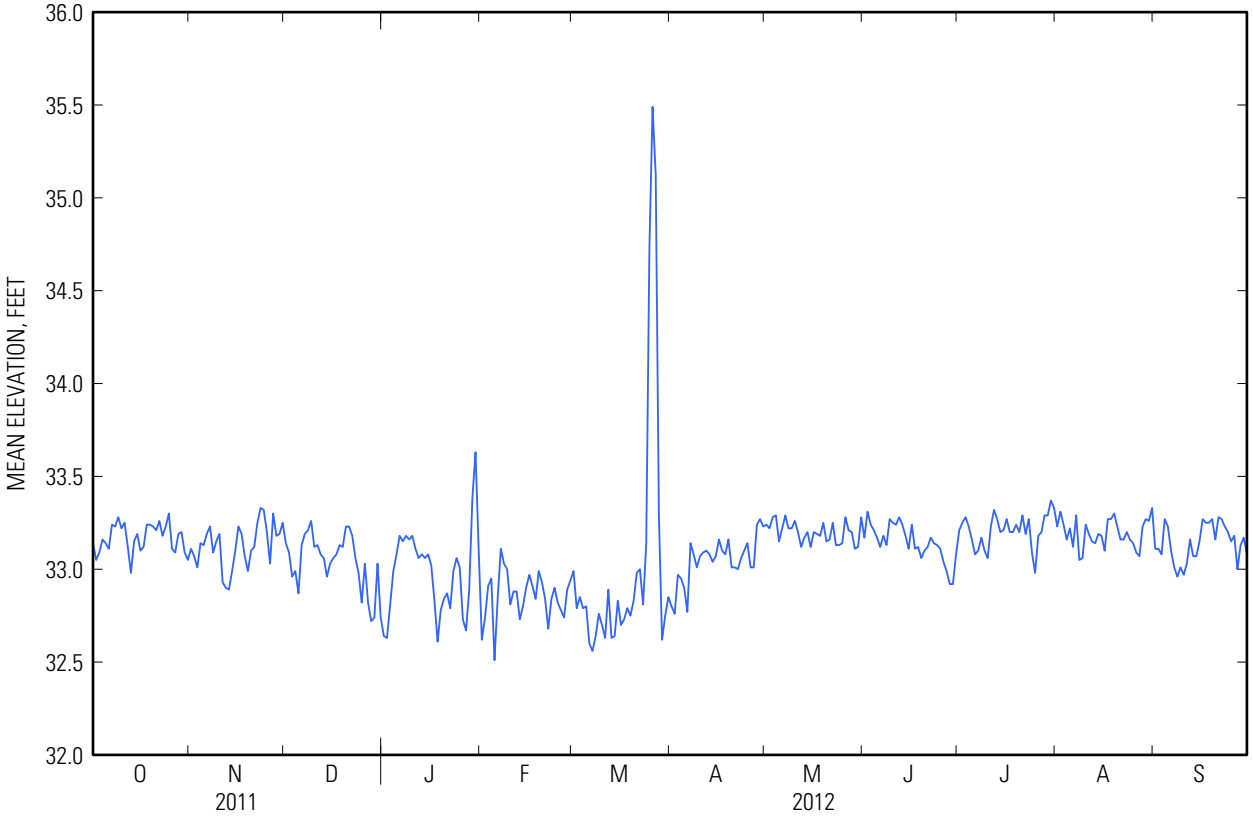
	Calendar Year 2011		Water Year 2012		Water Years 1961 - 2012	
Annual total	8,517,300		7,415,530			
Annual mean	23,340		20,260		29,200	
Highest annual mean					57,420	1983
Lowest annual mean					10,740	1988
Highest daily mean	146,000	Mar 12	105,000	Mar 26	286,000	Apr 22, 1979
Lowest daily mean	1,060	Nov 13	1,060	Nov 13	398	Aug 16, 1999
Annual seven-day minimum	1,750	Aug 24	1,560	Jun 24	1,140	Oct 4, 1984
Maximum peak flow			110,000	Mar 27	290,000	Apr 22, 1979
Maximum peak stage			35.57	Mar 26	51.46	Apr 22, 1979
Annual runoff (cfsm)	1.27		1.10		1.59	
Annual runoff (inches)	17.20		14.98		21.55	
10 percent exceeds	73,800		57,800		79,500	
50 percent exceeds	10,200		9,200		14,300	
90 percent exceeds	2,220		2,210		3,150	



02469761 TOMBIGBEE RIVER AT COFFEEVILLE LOCK AND DAM NEAR COFFEEVILLE, AL—Continued

ELEVATION, FEET
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	33.14	33.11	33.14	32.64	32.62	32.99	32.80	33.24	33.17	33.21	33.23	e33.11
2	33.05	33.07	33.09	32.63	32.74	32.79	32.76	33.22	33.31	33.25	33.31	33.11
3	33.09	33.01	32.96	e32.81	32.91	32.85	32.97	33.28	33.24	33.28	33.24	33.08
4	33.16	33.14	32.99	e32.99	32.95	32.79	32.95	33.29	33.21	33.23	33.16	33.27
5	33.14	33.13	32.87	33.08	32.51	32.80	32.90	33.15	33.17	33.16	33.22	e33.23
6	33.11	33.19	33.13	33.18	32.84	32.60	32.77	33.22	33.12	33.08	33.12	e33.10
7	33.24	33.23	e33.19	33.15	33.11	32.56	33.14	33.29	33.18	33.10	33.29	e33.01
8	33.23	33.09	33.21	33.18	e33.03	32.64	33.08	33.22	33.13	33.17	e33.05	32.96
9	33.28	33.15	33.26	33.16	33.00	32.76	33.01	33.22	33.27	33.10	33.06	33.01
10	33.22	33.19	33.12	33.18	32.81	32.70	33.07	33.26	33.25	33.06	e33.24	32.97
11	33.25	32.93	33.13	33.11	32.88	32.63	33.09	33.20	33.24	33.23	33.19	33.03
12	33.12	32.90	33.08	33.06	32.88	32.89	33.10	33.12	e33.28	33.32	e33.15	33.16
13	32.98	32.89	33.06	33.08	32.73	32.63	33.08	33.17	33.24	33.27	33.14	33.07
14	33.15	e32.99	32.96	33.06	32.80	32.64	33.04	33.20	33.18	33.20	33.19	33.07
15	33.19	33.10	33.03	33.08	32.90	32.83	33.07	33.12	33.11	33.21	33.18	33.15
16	33.10	e33.23	33.06	33.02	32.97	32.70	33.16	33.20	33.24	33.27	33.10	33.27
17	33.12	33.19	33.08	32.83	e32.91	32.73	33.10	33.19	33.11	33.20	33.27	e33.25
18	33.24	33.07	33.13	32.61	32.84	32.79	33.08	33.18	33.12	e33.20	33.27	33.25
19	33.24	32.99	33.12	32.78	32.99	32.75	33.16	33.25	33.06	33.24	33.30	33.27
20	33.23	33.10	33.23	32.84	32.93	32.83	33.01	33.15	33.10	e33.20	33.23	33.16
21	33.21	33.12	33.23	32.87	32.84	32.98	33.01	33.16	33.12	33.29	33.16	33.28
22	33.26	e33.25	33.18	32.79	32.68	33.00	33.00	33.25	33.17	33.19	e33.16	33.27
23	33.18	33.33	33.06	e32.99	32.84	32.81	33.06	33.13	33.14	33.27	33.20	33.23
24	33.23	e33.32	32.98	33.06	32.90	e33.14	33.10	33.13	33.13	33.09	33.16	33.20
25	33.30	33.20	32.82	33.01	32.82	e34.73	33.14	33.14	33.11	32.98	33.14	33.15
26	33.11	33.03	33.03	32.73	32.78	35.49	33.01	33.28	33.04	33.18	33.09	33.18
27	33.09	33.30	32.82	32.67	32.74	e35.12	33.01	33.21	32.99	33.20	33.07	33.00
28	33.19	33.18	32.72	e32.89	32.89	e33.29	33.24	33.20	32.92	33.29	33.23	33.13
29	33.20	33.19	32.74	e33.38	e32.94	32.62	33.27	33.11	32.92	33.29	e33.27	33.17
30	33.09	33.25	33.03	e33.63	---	32.75	33.23	33.12	33.08	33.37	e33.26	33.08
31	33.05	---	32.74	33.10	---	32.85	---	33.28	---	33.33	e33.33	---
Mean	33.17	33.13	33.04	32.99	32.85	33.02	33.05	33.20	33.15	33.21	33.19	33.14
Max	33.30	33.33	33.26	33.63	33.11	35.49	33.27	33.29	33.31	33.37	33.33	33.28
Min	32.98	32.89	32.72	32.61	32.51	32.56	32.76	33.11	32.92	32.98	33.05	32.96

	Calendar Year 2011	Water Year 2012
Mean	33.27	33.10
Max	41.78	35.49
Min	32.45	32.51

02469761 TOMBIGBEE RIVER AT COFFEEVILLE LOCK AND DAM NEAR COFFEEVILLE, AL—Continued