02447025 TOMBIGBEE RIVER AT HEFLIN LOCK AND DAM NEAR GAINESVILLE, AL

Black Warrior-Tombigbee Basin
Middle Tombigbee-Lubbub Subbasin

LOCATION.--Lat 32°50′53″, long 88°09′22″ referenced to North American Datum of 1927, Greene County, AL, Hydrologic Unit 03160106, in N½ sec. 36, T.22 N., R.2 W., on left bank end of dam, 1.0 mile downstream from Turkey Paw Branch, 1.8 miles north of Gainesville, 2.4 mi upstream from Noxubee River, and at river mile 238.6.

DRAINAGE AREA.--7,230 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--March 1978 to current year.

REVISED RECORDS.-- WDR AL-84-1: Drainage area. WDR AL-91-1: 1979, 1983, 1984.

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to October 1, 1999, water-stage recorder at same site at datum 65.00 ft higher.

REMARKS.--Estimated daily discharge: November 15-17, 19, 22 and December 3. Record considered good, except for estimated periods, which are fair. Records since January 16, 1985 include diversions from Tennessee River basin through Bay Springs lock on Tennessee Tombigbee Waterway.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 146,000 ft^3/s, Jan. 17; minimum discharge, 64 ft^3/s, Oct. 10.

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 02447025, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/02447025.2013.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	16,700	1,040	1,910	20,500	24,400	17,000	22,300	22,500	1,940	1,460	2,550	624
2	20,500	664	876	54,300	21,700	12,400	16,800	19,400	5,440	1,080	4,370	1,310
3	9,310	1,450	e1,720	43,200	17,200	11,900	16,700	15,700	5,730	628	1,390	1,280
4	11,600	1,890	2,330	32,400	13,000	7,970	15,200	23,300	3,480	1,740	3,750	549
5	6,600	1,560	3,330	29,200	11,100	11,600	22,200	29,800	3,630	6,030	1,140	672
6	4,730	1,370	2,250	21,700	8,020	11,000	16,400	27,500	9,700	16,300	2,680	1,690
7	3,360	875	3,650	15,400	7,890	7,760	14,600	27,300	9,510	7,710	5,320	674
8	2,150	469	653	9,340	8,950	9,000	11,400	23,600	5,480	7,960	1,170	611
9	6,760	2,430	4,420	9,560	6,440	6,840	9,040	18,900	4,530	7,050	3,170	560
10	1,630	478	5,780	15,000	11,300	5,390	8,350	15,500	10,800	5,590	3,910	610
11	2,840	617	9,410	21,400	34,000	25,600	11,700	16,200	9,260	15,100	3,930	1,070
12	1,070	3,970	5,200	21,600	35,100	64,200	46,000	12,600	9,280	9,940	4,610	923
13	2,820	1,500	5,410	43,400	47,500	47,300	48,000	12,500	6,170	5,660	3,630	1,060
14	2,690	1,800	3,400	55,400	46,900	32,200	31,300	7,780	2,380	7,010	2,890	632
15	2,420	e1,840	4,320	80,000	33,900	27,300	30,900	7,640	3,390	6,400	5,400	679
16	2,460	e3,790	6,840	95,800	24,400	15,900	25,600	6,400	3,180	5,920	2,070	542
17	1,960	e765	29,900	122,000	14,500	11,800	16,200	5,940	3,020	3,450	4,350	548
18	6,200	2,170	21,700	130,000	11,400	9,410	10,700	24,300	4,460	5,530	2,580	438
19	6,410	e1,900	13,700	105,000	19,200	11,700	29,200	30,500	1,490	3,910	2,810	554
20	5,800	1,320	15,700	75,400	19,300	9,890	38,900	21,600	2,460	4,040	1,650	564
21	4,100	1,590	11,100	49,900	17,000	10,200	25,600	20,200	4,200	3,050	4,020	9,170
22	4,730	e706	7,050	30,000	46,000	6,890	20,600	22,400	2,510	3,380	2,590	5,900
23	2,160	1,680	8,420	22,300	57,600	14,900	14,400	23,300	929	3,540	2,740	3,530
24	1,870	1,720	7,310	17,000	40,600	49,700	13,800	12,500	1,430	4,610	3,020	4,360
25	2,580	1,130	12,000	11,500	31,700	67,500	18,600	10,000	2,640	6,640	2,610	6,040
26	831	2,100	47,400	11,700	22,500	54,200	12,700	5,920	603	6,100	1,250	920
27	2,310	1,740	46,500	9,290	29,300	43,500	12,400	6,640	1,430	5,810	2,550	2,240
28	2,060	1,950	28,200	10,400	21,700	33,300	14,300	3,350	1,880	3,190	669	1,990
29	1,380	1,350	37,500	7,730	---	20,200	37,600	5,090	1,720	3,090	2,780	1,170
30	579	2,900	35,000	15,600	---	14,600	25,600	1,090	1,650	2,900	614	1,600
31	1,080	---	24,800	37,700	---	16,400	---	5,820	---	3,610	673	---
Total	141,690	48,764	407,779	1,223,720	682,600	687,550	637,090	485,270	124,322	168,428	86,886	52,510
Mean	4,571	1,625	13,150	39,470	24,380	22,180	21,240	15,650	4,144	5,433	2,803	1,750
Max	20,500	3,970	47,400	130,000	57,600	67,500	48,000	30,500	10,800	16,300	5,400	9,170
Min	579	469	653	7,730	6,440	5,390	8,350	1,090	603	628	614	438
Cfsm	0.63	0.22	1.82	5.46	3.37	3.07	2.94	2.17	0.57	0.75	0.39	0.24
In.	0.73	0.25	2.10	6.30	3.51	3.54	3.28	2.50	0.64	0.87	0.45	0.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	3,930	6,534	15,790	20,100	21,460	22,000	18,950	13,880	7,015	4,091	2,455	3,337
Max	30,290	20,560	52,060	39,470	55,070	60,760	60,770	85,110	34,660	17,460	9,756	19,640
(WY)	(2010)	(2005)	(1984)	(2013)	(1990)	(1980)	(1983)	(1991)	(1997)	(1989)	(2003)	(2009)
Min	495	846	2,076	2,481	4,178	5,342	2,537	1,316	757	686	485	371
(WY)	(1979)	(1982)	(2000)	(1981)	(2000)	(2007)	(1986)	(2007)	(1988)	(2000)	(2000)	(2000)

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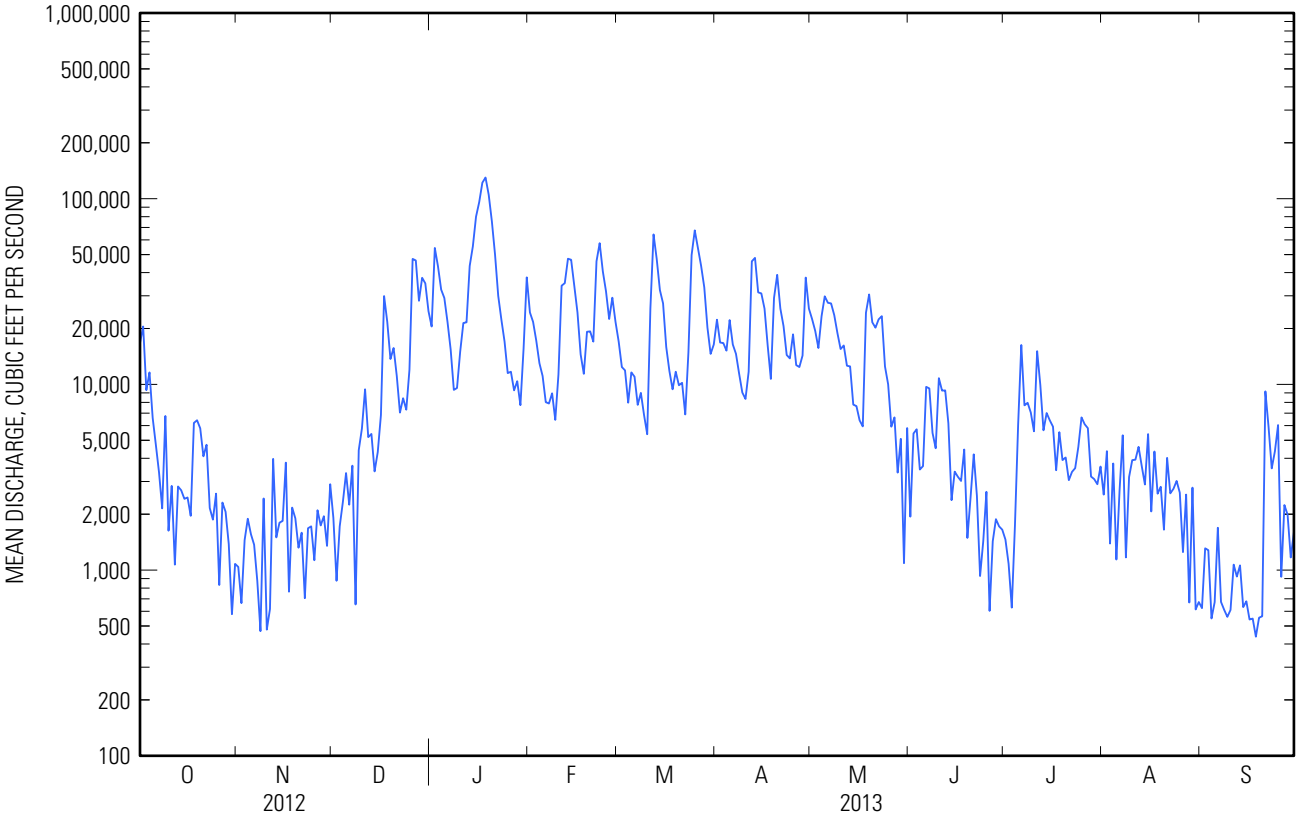
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1978 - 2013	
Annual total	2,670,764		4,746,609			
Annual mean	7,297		13,000		11,590	
Highest annual mean					24,850	1991
Lowest annual mean					3,814	1988
Highest daily mean	58,500	Mar 23	130,000	Jan 18	191,000	Mar 2, 2009
Lowest daily mean	469	Nov 8	438	Sep 18	93	Oct 6, 1984
Annual seven-day minimum	524	Jul 1	565	Sep 14	200	Sep 30, 1978
Maximum peak flow			146,000	Jan 17	211,000	Mar 1, 2009
Maximum peak stage			110.20	Feb 27	120.74	Apr 15, 1979
Annual runoff (cfsm)	1.01		1.80		1.60	
Annual runoff (inches)	13.74		24.42		21.79	
10 percent exceeds	18,700		32,300		29,800	
50 percent exceeds	3,300		6,400		4,810	
90 percent exceeds	674		1,070		708	



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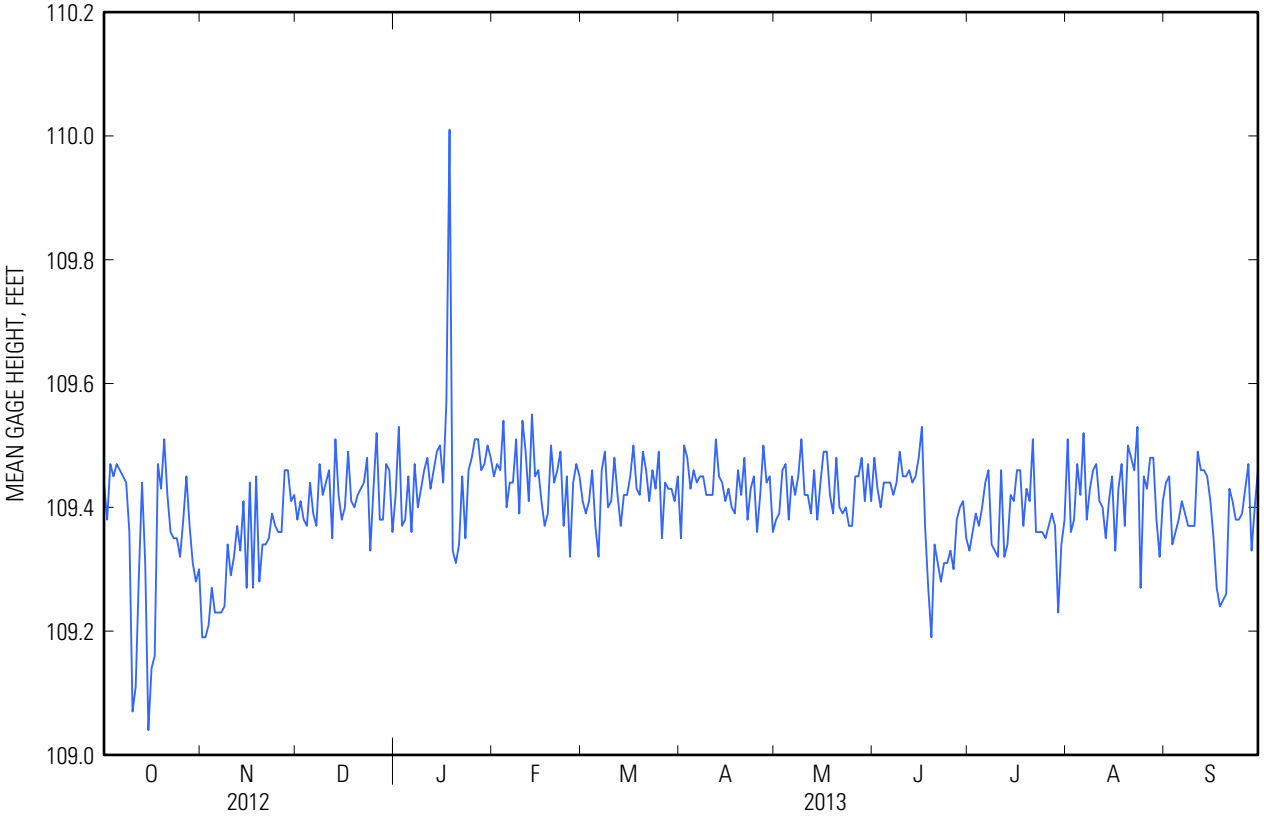
GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	109.44	109.19	109.38	109.42	109.45	109.41	109.35	109.38	109.48	109.33	109.51	109.44
2	109.38	109.19	109.41	109.53	109.47	109.39	109.50	109.39	109.43	109.36	109.36	109.45
3	109.47	109.21	109.38	109.37	109.46	109.41	109.48	109.46	109.40	109.39	109.38	109.34
4	109.45	109.27	109.37	109.38	109.54	109.46	109.43	109.47	109.44	109.37	109.47	109.36
5	109.47	109.23	109.44	109.45	109.40	109.37	109.46	109.38	109.44	109.40	109.42	109.38
6	109.46	109.23	109.39	109.36	109.44	109.32	109.44	109.45	109.44	109.44	109.52	109.41
7	109.45	109.23	109.37	109.47	109.44	109.46	109.45	109.42	109.42	109.46	109.38	109.39
8	109.44	109.24	109.47	109.40	109.51	109.49	109.45	109.45	109.44	109.34	109.43	109.37
9	109.36	109.34	109.42	109.43	109.39	109.40	109.42	109.51	109.49	109.33	109.46	109.37
10	109.07	109.29	109.44	109.46	109.54	109.41	109.42	109.42	109.45	109.32	109.47	109.37
11	109.11	109.32	109.46	109.48	109.49	109.48	109.42	109.42	109.45	109.46	109.41	109.49
12	109.29	109.37	109.35	109.43	109.41	109.42	109.51	109.39	109.46	109.32	109.40	109.46
13	109.44	109.33	109.51	109.46	109.55	109.37	109.45	109.46	109.44	109.34	109.35	109.46
14	109.31	109.41	109.42	109.49	109.45	109.42	109.44	109.38	109.45	109.42	109.41	109.45
15	109.04	109.27	109.38	109.50	109.46	e109.42	109.41	109.44	109.48	109.41	109.45	109.41
16	109.14	e109.44	109.40	109.44	109.41	109.45	109.43	109.49	109.53	109.46	109.33	109.35
17	109.16	e109.27	109.49	109.57	109.37	109.50	109.40	109.49	109.37	109.46	109.43	109.27
18	109.47	109.45	109.41	110.01	109.39	109.43	109.39	109.42	109.27	109.37	109.47	109.24
19	109.43	e109.28	109.40	109.33	109.50	109.42	109.46	109.39	109.19	109.43	109.37	109.25
20	109.51	109.34	109.42	109.31	109.44	109.49	109.42	109.48	109.34	109.41	109.50	109.26
21	109.42	109.34	109.43	109.34	109.46	109.46	109.48	109.40	109.31	109.51	109.48	109.43
22	109.36	109.35	109.44	109.45	109.49	109.41	109.38	109.39	109.28	109.36	109.46	109.41
23	109.35	109.39	109.48	109.35	109.37	109.46	109.43	109.40	109.31	109.36	109.53	109.38
24	109.35	109.37	109.33	109.46	109.45	109.43	109.45	109.37	109.31	109.36	109.27	109.38
25	109.32	109.36	109.43	109.48	109.32	109.49	109.36	109.37	109.33	109.35	109.45	109.39
26	109.38	109.36	109.52	109.51	109.44	109.35	109.42	109.45	109.30	109.37	109.43	109.43
27	109.45	109.46	109.38	109.51	109.47	109.44	109.50	109.45	109.38	109.39	109.48	109.47
28	109.37	109.46	109.38	109.46	109.45	109.43	109.44	109.48	109.40	109.37	109.48	109.33
29	109.31	109.41	109.47	109.47	---	109.43	109.45	109.41	109.41	109.23	109.38	109.40
30	109.28	109.42	109.46	109.50	---	109.41	109.36	109.47	109.35	109.34	109.32	109.46
31	e109.30	---	109.36	109.48	---	109.45	---	109.41	---	109.38	109.41	---
Mean	109.35	109.33	109.42	109.46	109.45	109.43	109.43	109.43	109.39	109.38	109.43	109.39
Max	109.51	109.46	109.52	110.01	109.55	109.50	109.51	109.51	109.53	109.51	109.53	109.49
Min	109.04	109.19	109.33	109.31	109.32	109.32	109.35	109.37	109.19	109.23	109.27	109.24

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