

Water-Data Report 2010

07076750 WHITE RIVER AT GEORGETOWN, AR

White Basin
Lower White-Bayou Des Arc Subbasin

LOCATION.--Lat 35°07'44", long 91°26'59" referenced to North American Datum of 1983, in SW ¼ SW ¼ sec.20, T.6 N., R.4 W., White County, AR, Hydrologic Unit 08020301, on right bank at Arkansas Game and Fish Commission boat launching area at Georgetown, and at river mile 167.

DRAINAGE AREA.--22,400 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Oct 1977 to Sep 1990 and Oct 1994 to Sep 2009 operated as a partial-record station. Oct 1990 to Sep 1994 operated as a stage-only station. Oct 2009 to current year.

GAGE.--Water-stage recorder.

REMARKS.--Water-discharge records fair. No estimated daily discharges. Some regulation and diversions since 1943 by Norfolk Lake, capacity 1,983,000 acre-ft since 1948 by Clearwater Lake (Missouri), capacity 413,700 acre-ft; since Jul 24, 1951, by Bull Shoals Lake, 149 mi upstream, capacity 5,408,000 acre-ft; since Sep 9, 1956, by Table Rock Lake (Missouri), capacity 3,567,500 acre-ft; and since Dec 26, 1963, by Beaver Lake, capacity 1,951,500 acre-ft. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 95,000 ft³/s, Nov. 6, gage height, 24.68 ft; minimum discharge, 8,590 ft³/s, Sept. 9, gage height, 1.46 ft.

07076750 WHITE RIVER AT GEORGETOWN, AR—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	30,300	73,400	31,700	79,900	63,100	47,600	47,600	39,100	36,600	24,600	17,300	10,000
2	28,600	77,100	32,200	76,600	63,300	44,800	48,300	42,100	34,200	23,400	16,700	10,000
3	27,600	83,200	35,400	73,400	63,600	42,100	49,200	42,700	32,400	22,200	16,500	10,400
4	26,600	89,400	38,700	70,900	63,800	40,200	50,500	41,900	31,500	19,700	16,200	10,900
5	25,400	93,700	41,200	68,700	63,700	38,100	51,400	41,800	30,700	16,600	16,300	11,200
6	24,800	94,600	43,900	67,000	63,500	35,500	51,900	40,600	30,000	14,200	17,100	10,900
7	24,600	93,200	46,600	66,300	62,500	32,800	52,000	39,400	29,900	13,000	17,100	10,300
8	24,500	90,300	49,600	65,800	62,200	30,200	53,200	38,100	29,800	12,600	16,300	9,400
9	25,100	86,900	52,800	65,600	62,600	28,400	53,400	36,400	29,400	12,100	15,200	8,660
10	31,100	83,300	54,600	65,700	62,400	26,700	53,500	35,300	29,200	12,100	14,300	8,800
11	34,900	80,000	56,100	66,000	62,400	27,300	52,800	34,900	29,300	13,100	13,400	9,420
12	36,900	76,800	57,500	66,100	62,200	29,800	51,900	33,700	29,400	15,500	12,900	11,400
13	38,200	73,800	58,700	66,100	61,700	32,200	51,500	33,200	29,100	18,700	14,000	12,900
14	43,500	70,800	59,600	65,900	61,300	33,400	50,900	33,000	29,000	23,000	15,300	13,400
15	47,500	68,200	60,400	65,500	61,100	32,600	50,100	33,300	28,700	28,600	15,600	13,100
16	48,500	66,100	60,800	64,900	60,600	32,100	49,000	33,700	28,600	30,300	14,800	12,700
17	50,800	64,000	61,300	64,700	60,100	30,900	47,100	33,900	27,600	29,400	13,800	12,600
18	52,900	61,600	61,500	63,900	59,500	28,600	43,600	35,900	27,000	27,100	12,700	12,600
19	54,200	59,500	61,200	63,000	59,200	26,500	40,600	36,900	26,500	24,600	11,900	12,300
20	54,300	57,400	60,700	62,400	59,100	24,300	38,400	37,500	25,900	23,300	11,500	12,000
21	53,200	55,300	60,200	62,500	58,700	22,300	36,800	39,600	25,400	22,200	11,900	12,600
22	51,400	53,100	59,600	62,200	58,500	21,800	35,200	40,400	25,500	22,000	12,300	13,200
23	51,700	50,400	60,200	61,400	57,500	22,900	33,800	41,100	25,900	22,900	12,600	13,000
24	52,300	47,100	67,000	61,500	56,000	26,900	33,500	42,100	25,800	23,700	13,000	12,600
25	51,000	43,600	78,000	61,600	55,200	32,700	35,800	43,500	25,700	24,000	12,800	12,200
26	50,700	40,700	87,500	61,300	53,700	36,400	36,500	44,200	25,400	23,400	12,700	12,300
27	51,100	38,400	90,500	61,200	51,900	38,300	37,200	44,000	25,300	22,100	12,700	12,100
28	52,300	36,200	89,600	61,500	49,800	40,000	37,700	43,400	25,400	20,700	11,700	11,600
29	53,600	34,100	87,400	62,300	---	42,000	37,700	42,000	25,900	19,800	10,600	10,900
30	59,000	32,800	85,200	63,200	---	44,600	36,800	40,400	25,700	19,100	9,940	10,300
31	67,500	---	82,900	63,100	---	46,500	---	38,600	---	18,100	10,000	---
Total	1,324,100	1,975,000	1,872,600	2,030,200	1,679,200	1,038,500	1,347,900	1,202,700	850,800	642,100	429,140	343,780
Mean	42,710	65,830	60,410	65,490	59,970	33,500	44,930	38,800	28,360	20,710	13,840	11,460
Max	67,500	94,600	90,500	79,900	63,800	47,600	53,500	44,200	36,600	30,300	17,300	13,400
Min	24,500	32,800	31,700	61,200	49,800	21,800	33,500	33,000	25,300	12,100	9,940	8,660
Ac-ft	2,626,000	3,917,000	3,714,000	4,027,000	3,331,000	2,060,000	2,674,000	2,386,000	1,688,000	1,274,000	851,200	681,900
Cfsm	1.91	2.94	2.70	2.92	2.68	1.50	2.01	1.73	1.27	0.92	0.62	0.51
In.	2.20	3.28	3.11	3.37	2.79	1.72	2.24	2.00	1.41	1.07	0.71	0.57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	16,150	20,300	30,170	36,520	34,040	36,660	42,810	39,620	33,870	25,470	17,750	15,400
Max	42,710	65,830	60,410	66,370	59,970	84,080	133,500	69,510	102,500	56,980	35,400	30,550
(WY)	(2010)	(2010)	(2010)	(1991)	(2010)	(2008)	(1945)	(1945)	(1945)	(1928)	(1945)	(1945)
Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1931)	(1931)	(1931)	(1931)	(1931)	(1931)	(1931)	(1931)	(1931)	(1931)	(1931)	(1931)

07076750 WHITE RIVER AT GEORGETOWN, AR—Continued

SUMMARY STATISTICS

	Water Year 2010		Water Years 1928 - 2010	
Annual total	14,736,020			
Annual mean	40,370		24,260	
Highest annual mean			40,370	2010
Lowest annual mean			0.00	1931
Highest daily mean	94,600	Nov 6	192,000	Apr 22, 1945
Lowest daily mean	8,660	Sep 9	0.00	Oct 1, 1930
Annual seven-day minimum	9,810	Sep 5	0.00	Oct 1, 1930
Maximum peak flow	95,000	Nov 6	a	
Maximum peak stage	24.68	Nov 6	a	
Instantaneous low flow	8,590	Sep 9	a	
Annual runoff (ac-ft)	29,230,000		17,580,000	
Annual runoff (cfs)	1.80		1.08	
Annual runoff (inches)	24.47		14.72	
10 percent exceeds	65,800		54,600	
50 percent exceeds	37,700		19,800	
90 percent exceeds	12,700		0.00	

^a Undetermined

