Water-Data Report 2012

07362000 OUACHITA RIVER AT CAMDEN, AR

Upper Ouachita Basin
Upper Ouachita Subbasin

LOCATION.--Lat 33°35′47″, long 92°49′05″ referenced to North American Datum of 1983, in SE ¼ SE ¼ sec.14, T.13 S., R.17 W., Ouachita County, AR, Hydrologic Unit 08040102, at bridge on U.S. Hwy 79B at Camden, 3.4 mi downstream from Ecore Fabre Bayou, 6.2 mi upstream from Two Bayou, and at river mile 354.1.

DRAINAGE AREA.--5,360 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Oct 1928 to current year. Oct 1929 to date in reports of U.S. Army Corps of Engineers. Monthly discharge only, Oct 1929 to Sep 1960 published in WSP 1311 and WSP 1731. Gage heights collected since 1885 in this vicinity are contained in reports of National Weather Service.

REVISED RECORDS.--fill this in next year for 2009

GAGE.--Water-stage recorder. Datum of gage is 71.69 ft above NGVD of 1929. Aug 1928 to Jul 1935, and Jul 1935 to Jan 1945, nonrecording gage at present site and datum. Jan 1945 to Oct 1947, nonrecording gage at site 0.4 mi downstream at present datum. Aug 1938 to May 1949, supplementary nonrecording gage, 4.5 mi upstream. Since Jan 1957, auxiliary water-stage recorder, 3.2 mi downstream.

REMARKS.--Water-discharge records fair except estimated daily discharges, which are poor. Flow regulated since 1925 by Lake Catherine, 102 mi upstream, capacity, 35,250 acre-ft, since 1932 by Lake Hamilton, capacity, 190,100 acre-ft, since 1949 by Lake Greeson, capacity, 407,900 acre-ft, since 1952 by Lake Ouachita, capacity, 2,768,400 acre-ft, and since Aug 1969 by DeGray Lake, capacity, 881,900 acre-ft. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 94,300 ft^3/s, Mar. 25, gage height, 7.63 ft; minimum discharge, 279 ft^3/s, Oct. 13, gage height, 0.08 ft.

07362000 OUACHITA RIVER AT CAMDEN, AR—Continued

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

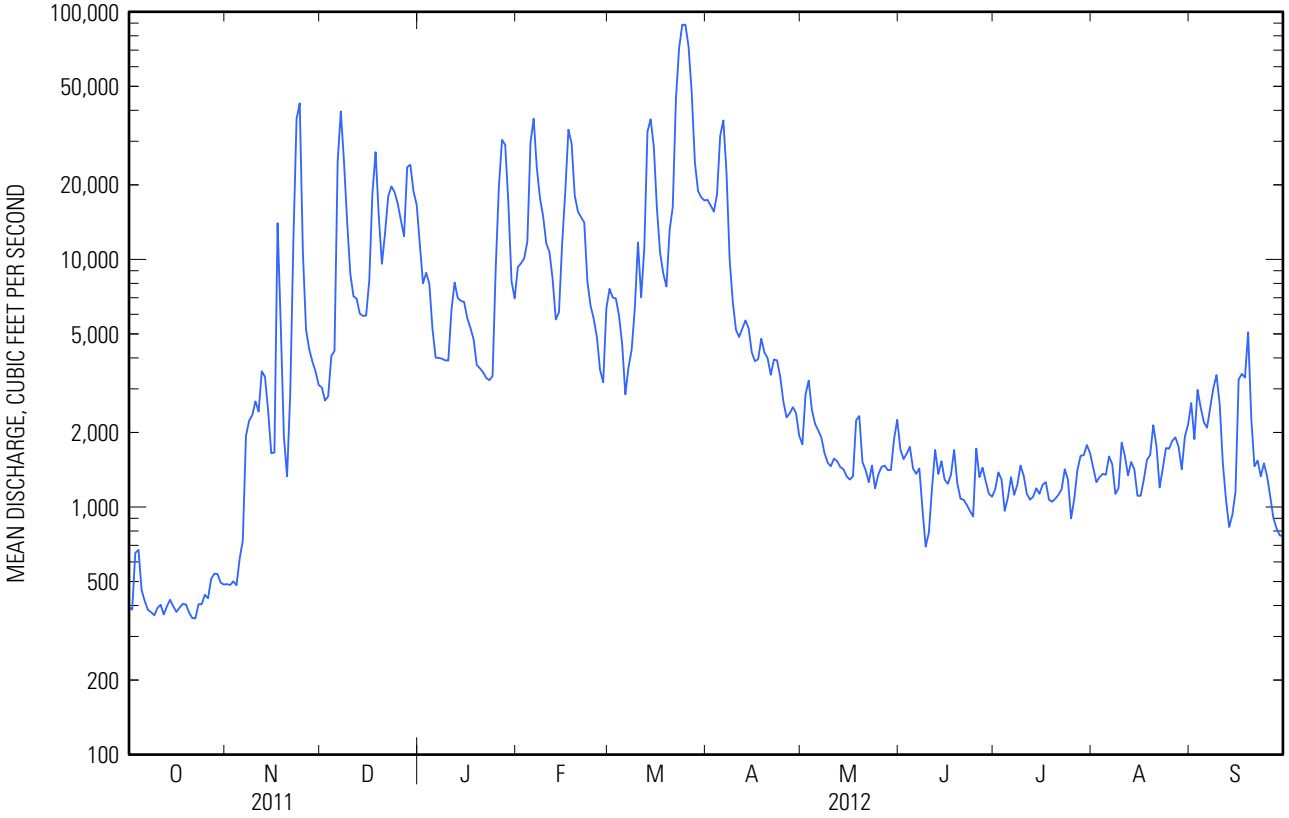
Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	394	488	e3,040	11,500	9,310	7,600	17,400	1,790	1,710	1,180	1,440	2,630
2	385	484	2,690	8,000	9,640	7,020	16,500	2,850	1,560	1,380	1,260	1,880
3	653	501	2,800	8,830	10,100	6,950	15,600	3,240	1,640	1,290	1,320	2,970
4	671	483	4,070	7,970	11,800	5,930	18,300	2,470	1,750	965	1,360	2,520
5	461	617	4,270	5,230	29,600	4,540	31,600	2,170	1,430	1,090	1,350	2,200
6	416	734	24,800	4,010	37,000	2,850	36,400	2,040	1,360	1,320	1,600	2,090
7	384	1,940	39,600	4,000	23,400	e3,660	22,400	1,910	1,430	1,120	1,490	2,520
8	376	2,230	24,900	3,970	17,700	e4,320	9,950	1,650	973	1,230	1,130	3,020
9	365	2,350	14,200	3,910	14,900	6,360	6,710	1,510	692	1,470	1,190	3,410
10	391	2,670	8,760	3,900	11,600	11,700	5,190	1,460	787	1,340	1,820	2,600
11	403	2,430	7,100	6,250	10,700	7,030	4,860	1,570	1,190	e1,130	1,610	1,500
12	368	3,530	6,940	8,060	8,330	11,100	5,260	1,530	1,700	e1,070	1,340	1,070
13	397	3,360	6,040	6,980	5,720	32,800	5,670	1,450	1,360	e1,100	1,520	830
14	422	2,460	5,910	6,800	6,120	36,800	5,270	1,420	1,530	e1,190	1,420	928
15	397	1,650	5,930	6,730	11,500	28,600	4,210	1,330	1,290	e1,130	1,110	1,150
16	377	1,660	8,220	5,790	18,800	16,000	3,880	1,290	1,240	e1,230	1,110	3,270
17	392	14,000	18,500	5,290	33,400	10,600	3,950	1,330	1,350	e1,260	1,290	e3,450
18	406	5,440	27,100	4,760	29,400	8,770	4,780	2,240	1,700	1,070	1,550	e3,330
19	404	1,920	15,000	3,750	18,100	7,770	4,210	2,330	1,250	1,050	1,620	e5,080
20	375	1,330	9,600	3,630	15,600	13,100	3,990	1,520	1,080	1,080	2,140	e2,270
21	356	2,860	12,800	3,500	14,800	16,300	3,420	1,410	1,070	1,120	1,760	1,460
22	355	11,900	18,000	3,320	14,100	44,400	3,940	1,260	1,020	1,180	1,200	1,540
23	405	36,900	19,700	3,250	8,140	71,300	3,910	1,470	964	1,420	1,430	1,330
24	405	42,700	18,700	3,380	6,500	88,600	3,350	1,190	916	1,290	1,730	e1,500
25	442	10,700	16,800	9,220	5,750	88,600	2,660	1,350	1,720	899	1,720	e1,330
26	428	5,210	14,400	19,700	4,860	72,400	2,300	1,450	1,320	1,080	1,850	e1,100
27	513	4,340	12,400	30,400	3,580	47,000	2,390	1,470	1,440	1,410	1,910	e900
28	538	3,870	23,600	29,000	3,190	24,600	2,530	1,410	1,270	1,610	1,750	819
29	536	3,530	24,100	16,900	6,340	18,900	2,390	1,410	1,130	1,620	1,420	768
30	495	e3,110	18,800	8,160	---	17,800	1,940	1,880	1,100	1,780	1,930	762
31	486	---	16,600	6,960	---	17,300	---	2,250	---	1,650	2,150	---
Total	13,396	175,397	435,370	253,150	399,980	740,700	254,960	53,650	38,972	38,754	47,520	60,227
Mean	432	5,847	14,040	8,166	13,790	23,890	8,499	1,731	1,299	1,250	1,533	2,008
Max	671	42,700	39,600	30,400	37,000	88,600	36,400	3,240	1,750	1,780	2,150	5,080
Min	355	483	2,690	3,250	3,190	2,850	1,940	1,190	692	899	1,110	762
Ac-ft	26,570	347,900	863,600	502,100	793,400	1,469,000	505,700	106,400	77,300	76,870	94,260	119,500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	2,998	5,188	9,429	11,880	12,210	12,800	12,620	12,430	5,486	3,070	2,273	2,614
Max	48,050	25,370	41,930	46,610	40,110	45,110	48,110	58,700	31,090	13,640	15,330	25,150
(WY)	(2010)	(1973)	(1983)	(1937)	(1950)	(1945)	(1945)	(2009)	(1974)	(1989)	(2009)	(2008)
Min	291	381	688	686	1,411	1,742	1,578	1,407	411	260	176	154
(WY)	(1933)	(1933)	(2011)	(1940)	(2006)	(1954)	(1930)	(2005)	(1936)	(1930)	(1930)	(1943)

07362000 OUACHITA RIVER AT CAMDEN, AR—Continued

SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1929 - 2012	
Annual total	2,849,882		2,512,076			
Annual mean	7,808		6,864		7,712	
Highest annual mean					16,120	1973
Lowest annual mean					2,292	1936
Highest daily mean	93,900	Apr 29	88,600	Mar 24	238,000	Apr 3, 1945
Lowest daily mean	355	Oct 22	355	Oct 22	125	Sep 16, 1943
Annual seven-day minimum	381	Oct 16	381	Oct 16	132	Sep 11, 1943
Maximum peak flow			94,300	Mar 25	243,000	Apr 3, 1945
Maximum peak stage			33.56	Mar 26	44.82	Apr 3, 1945
Instantaneous low flow			279	Oct 13	125	Sep 16, 1943[a]
Annual runoff (ac-ft)	5,653,000		4,983,000		5,587,000	
10 percent exceeds	24,600		18,200		19,300	
50 percent exceeds	2,400		2,320		3,460	
90 percent exceeds	523		686		810	

[a] Also Sep 24-26, 1943