07340000 LITTLE RIVER NEAR HORATIO, AR

Red-Little Basin
Lower Little Subbasin

LOCATION.--Lat 33°55′10″, long 94°23′12″ referenced to North American Datum of 1983, in SE ¼ NE ¼ sec.10, T.10 S., R.32 W., Sevier County, AR, Hydrologic Unit 11140109, on left bank downstream of bridge on State Hwy 41, 0.9 mi downstream from Rolling Fork, 2 mi southwest of Horatio, 28.5 mi upstream from Cossatot River, and at river mile 72.0.

DRAINAGE AREA.--2,660 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Oct 1930 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 858: 1932, 1935 to 1936. WSP 1211: 1931, drainage area. WSP 1561: 1932. WDR Arkansas 1978: drainage area.

GAGE.--Water-stage recorder. Datum of gage is 272.89 ft above NGVD of 1929. Prior to Feb 1935, nonrecording gage, and Feb 1934 to Sep 1961, water-stage recorder, at site 50 ft upstream at present datum.

REMARKS.--Water-discharge records fair. Some regulation and diversions since Oct 1968 by Broken Bow Lake (Oklahoma), 31.4 mi upstream, capacity 1,368,000 acre-ft; and since Jun 1969 by Pine Creek Lake (Oklahoma), 73.3 mi upstream, capacity 465,800 acre-ft. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in Aug 1915, reached a stage of 38.0 ft, discharge, 124,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16,100 ft^3/s, June 4, gage height, 19.97 ft; minimum discharge, 149 ft^3/s, Dec. 24, gage height, 4.14 ft.

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 07340000, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/07340000.2013.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	218	536	384	400	1,630	2,580	3,320	5,330	8,230	435	1,790	483
2	349	331	262	590	1,270	1,990	4,310	4,510	10,900	978	1,880	249
3	250	455	438	e1,300	782	1,920	4,660	3,530	13,600	548	1,850	399
4	267	388	320	940	643	1,690	6,930	2,780	15,700	1,700	732	322
5	253	291	263	852	815	1,720	9,890	1,590	15,000	879	406	585
6	291	410	239	521	943	1,620	10,600	1,270	13,200	680	419	708
7	244	415	252	681	764	1,770	10,100	1,380	11,700	410	372	794
8	198	458	237	654	598	1,120	8,900	1,130	11,900	288	1,220	366
9	238	457	246	e680	877	1,080	8,770	1,060	11,700	1,660	1,400	216
10	227	465	167	e710	821	826	8,910	922	11,600	2,330	1,050	668
11	293	309	189	e1,260	1,320	2,990	7,390	745	11,200	2,050	446	833
12	208	185	214	1,270	2,250	6,420	7,730	581	7,640	948	293	921
13	271	216	468	2,410	2,270	6,250	8,420	499	3,070	932	538	385
14	227	449	222	3,460	2,550	5,600	7,790	608	2,800	794	367	298
15	182	534	355	3,130	2,680	3,600	7,090	728	1,930	519	338	252
16	229	429	211	2,820	2,370	2,540	8,630	1,030	1,160	1,240	290	195
17	245	395	179	2,290	2,430	1,780	8,320	3,150	3,470	1,700	340	331
18	269	597	312	1,820	2,100	1,790	5,610	3,010	8,640	1,720	350	724
19	242	235	200	1,340	1,930	1,870	5,320	1,560	8,420	1,660	303	541
20	280	288	300	1,440	1,790	1,570	5,740	989	6,800	1,670	359	596
21	210	408	215	1,110	1,870	1,560	3,710	2,220	5,740	613	1,310	679
22	241	520	419	1,590	2,800	1,430	3,860	6,120	3,230	342	1,340	352
23	542	414	208	1,690	3,230	1,290	4,820	9,120	2,080	681	1,390	227
24	498	362	165	1,330	2,990	1,060	3,610	10,600	1,700	538	1,170	357
25	529	267	312	1,400	2,320	1,550	3,610	9,910	1,350	661	449	496
26	367	173	364	967	2,520	2,350	3,040	7,410	798	1,460	253	386
27	369	193	466	887	3,090	2,280	1,830	6,480	1,110	9,000	820	461
28	217	298	478	1,020	3,290	1,990	1,860	6,020	1,170	7,160	1,340	726
29	172	540	412	1,390	---	1,850	2,310	4,440	772	2,670	1,700	390
30	396	332	381	1,030	---	1,820	3,820	3,290	677	1,370	1,640	226
31	528	---	297	1,310	---	1,730	---	2,860	---	1,370	1,500	---
Total	9,050	11,350	9,175	42,292	52,943	69,636	180,900	104,872	197,287	49,006	27,655	14,166
Mean	292	378	296	1,364	1,891	2,246	6,030	3,383	6,576	1,581	892	472
Max	542	597	478	3,460	3,290	6,420	10,600	10,600	15,700	9,000	1,880	921
Min	172	173	165	400	598	826	1,830	499	677	288	253	195
Ac-ft	17,950	22,510	18,200	83,890	105,000	138,100	358,800	208,000	391,300	97,200	54,850	28,100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	2,106	3,840	5,660	4,830	5,545	6,441	5,493	5,883	3,941	1,868	1,157	1,396
Max	16,060	15,960	17,120	15,890	13,150	15,020	18,560	19,700	14,180	13,160	3,542	10,430
(WY)	(2010)	(1975)	(1972)	(1998)	(2010)	(1997)	(2008)	(2009)	(1990)	(2007)	(1992)	(1974)
Min	242	159	170	219	200	665	924	530	346	281	411	252
(WY)	(2000)	(2006)	(2006)	(2006)	(2006)	(1996)	(2003)	(1988)	(1988)	(1972)	(1977)	(2012)

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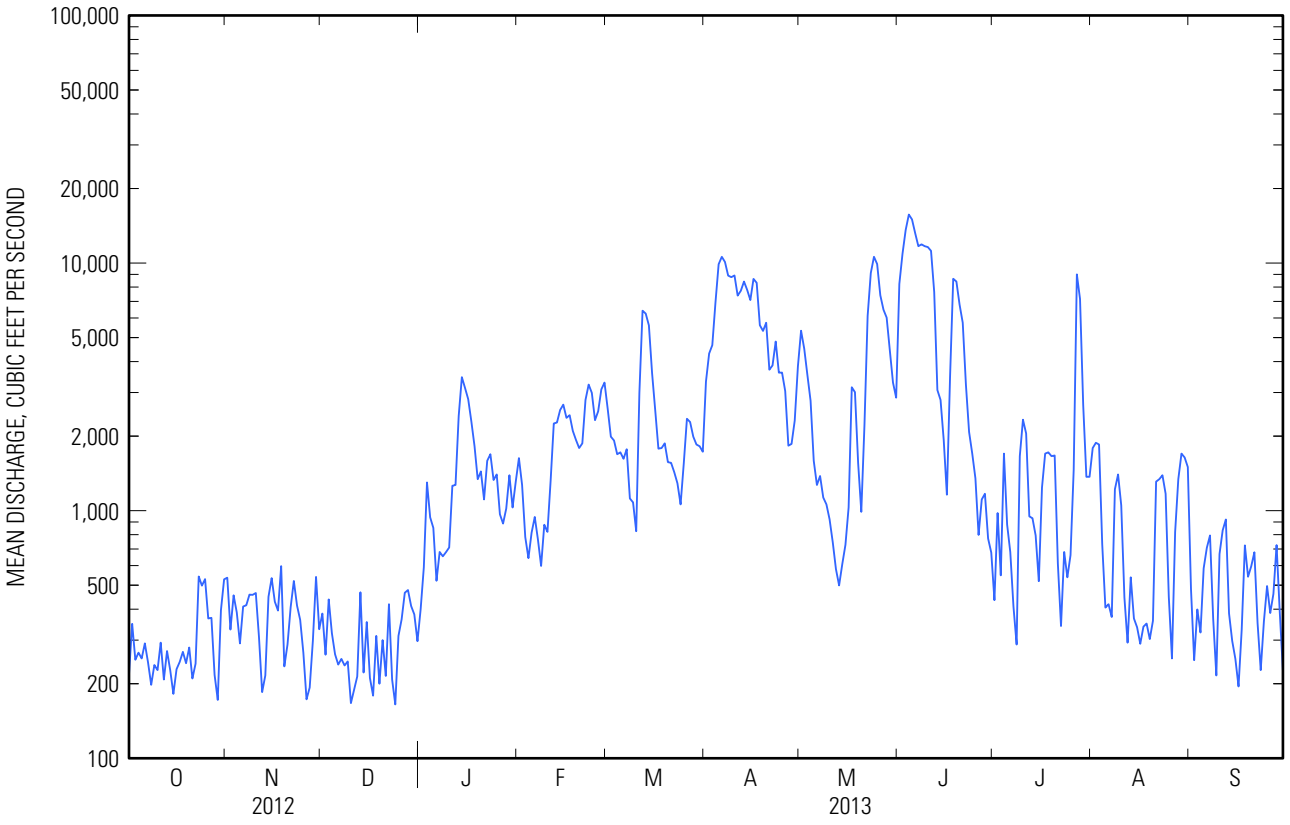
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1969 - 2013	
Annual total	947,990		768,332			
Annual mean	2,590		2,105		[a]4,006	
Highest annual mean					7,523	1973
Lowest annual mean					967	2006
Highest daily mean	22,800	Mar 22	15,700	Jun 4	57,700	Dec 12, 1971
Lowest daily mean	165	Dec 24	165	Dec 24	[b]37	Jul 20, 2009
Annual seven-day minimum	221	Dec 6	221	Dec 6	100	Sep 2, 2009
Maximum peak flow			16,100	Jun 4	[c]65,100	Dec 10, 1971
Maximum peak stage			19.97	Jun 4	[d]32.84	Dec 10, 1971
Instantaneous low flow			149	Dec 24	26	Jul 20, 2009
Annual runoff (ac-ft)	1,880,000		1,524,000		2,902,000	
10 percent exceeds	10,800		6,440		12,200	
50 percent exceeds	476		967		1,670	
90 percent exceeds	237		246		353	

[a] Prior to regulation, water years 1931 to 1968, 3,742 ft³/s
[b] Lowest daily mean for period of record, 1.0 ft³/s Aug 18 to Sep 1, 1954
[c] Maximum discharge for period of record, 120,000 ft³/s Mar 30, 1945, from rating curve extended above 93,000 ft³/s
[d] Maximum gage height for period of record, 37.70 ft Mar 30, 1945