07072000 ELEVEN POINT RIVER NEAR RAVENDEN SPRINGS, AR

Upper White Basin
Eleven Point Subbasin

LOCATION.--Lat 36°20′47″, long 91°06′51″ referenced to North American Datum of 1983, in SE ¼ SE ¼ sec.30, T.20 N., R.1 W., Randolph County, AR, Hydrologic Unit 11010011, on right bank at upstream side of bridge on State Hwy 90, 0.9 mi downstream from Hincha Creek, 1.9 mi upstream from Eassis Creek, 6.6 mi northeast of Ravenden Springs, and at river mile 21.2.

DRAINAGE AREA.--1,130 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Oct 1929 to Sep 1933, Oct 1935 to Oct 1994, Mar 1995, and Oct 2000 to current year. Annual maximum water years 1995 to 2000. Prior to Oct 1949, published as "near Elevenpoint." Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 877: 1930 to 1933, 1936 to 1938. WSP 977: 1933, 1937 to 1939, 1942. WDR Ark. 1973: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 291.98 ft above NGVD of 1929. Prior to Nov 21, 1938, nonrecording gage at present site at datum 0.04 ft higher. Nov 21 to Dec 11, 1938, nonrecording gage at present site and datum.

REMARKS.--Water-discharge records fair except estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 26	0200	*66,900	*23.58
May 2	1930	38,200	20.69
Jul 8	1015	6,600	10.89

Minimum discharge, 362 ft^3/s, Jan. 12, Feb. 23, gage height, 2.75 ft.

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 07072000, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/07072000.2011.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	630	532	502	461	429	873	957	11,900	2,600	1,470	1,100	928
2	618	528	494	446	459	776	905	25,800	2,510	1,440	1,080	919
3	614	528	494	435	460	719	854	22,100	2,440	1,410	1,080	908
4	609	520	483	442	450	677	1,050	10,800	2,360	1,560	1,070	901
5	605	514	471	440	447	752	1,050	6,730	2,280	1,670	1,080	893
6	602	521	463	434	447	969	907	5,530	2,220	1,670	e1,090	880
7	600	511	469	433	440	929	862	4,910	2,170	1,580	1,070	873
8	598	517	467	427	429	882	838	4,480	2,110	4,460	1,070	869
9	596	518	456	414	413	1,190	810	4,030	2,060	e2,070	1,070	864
10	591	519	474	419	413	1,200	777	3,720	2,000	e1,650	1,050	865
11	588	522	470	403	415	1,060	848	3,470	1,970	1,540	1,040	873
12	590	518	427	399	427	979	1,060	3,260	2,130	1,470	1,140	861
13	593	510	444	407	429	910	1,130	3,840	1,960	1,450	1,290	851
14	586	503	441	414	425	1,040	1,040	3,640	1,920	1,410	1,080	849
15	582	501	449	424	417	1,270	1,940	3,230	1,880	e1,390	1,030	855
16	579	502	458	419	420	1,250	1,640	3,040	1,820	1,350	1,010	838
17	572	505	455	416	422	1,150	1,470	2,870	1,780	1,310	1,050	831
18	572	514	454	428	423	1,070	1,320	2,750	1,760	1,290	1,040	878
19	571	504	445	425	413	990	1,220	2,650	1,730	1,270	e1,030	932
20	568	493	444	410	411	928	1,150	2,590	1,700	1,250	e1,020	851
21	566	494	467	401	413	887	1,080	4,110	1,660	1,230	e1,020	825
22	564	497	456	408	406	853	1,210	3,290	1,640	1,210	e990	801
23	562	507	440	411	398	829	2,500	3,990	1,600	1,200	e980	797
24	555	509	440	416	919	790	13,800	e5,300	1,580	1,190	e1,000	784
25	559	553	441	404	1,400	759	42,100	4,740	1,580	1,220	e1,060	788
26	571	555	429	410	796	1,120	e54,700	4,560	1,550	1,170	1,000	800
27	565	526	430	413	737	1,210	33,600	3,680	1,530	1,150	981	778
28	553	501	434	414	954	966	18,200	3,330	1,800	1,140	967	765
29	e555	514	447	412	---	977	10,900	3,100	1,560	1,130	955	751
30	528	523	456	410	---	1,230	6,520	2,890	1,500	1,120	946	730
31	531	---	e480	404	---	1,030	---	2,720	---	1,100	936	---
Total	17,973	15,459	14,180	12,999	14,612	30,265	206,438	173,050	57,400	45,570	32,325	25,338
Mean	580	515	457	419	522	976	6,881	5,582	1,913	1,470	1,043	845
Max	630	555	502	461	1,400	1,270	54,700	25,800	2,600	4,460	1,290	932
Min	528	493	427	399	398	677	777	2,590	1,500	1,100	936	730
Ac-ft	35,650	30,660	28,130	25,780	28,980	60,030	409,500	343,200	113,900	90,390	64,120	50,260
Cfsm	0.51	0.46	0.40	0.37	0.46	0.86	6.09	4.94	1.69	1.30	0.92	0.75
In.	0.59	0.51	0.47	0.43	0.48	1.00	6.80	5.70	1.89	1.50	1.06	0.83

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	628	879	1,079	1,264	1,353	1,655	2,015	1,780	1,172	839	673	634
Max	3,342	3,028	6,625	4,757	3,833	5,659	6,881	5,582	4,550	2,105	1,147	1,666
(WY)	(2010)	(1959)	(1983)	(1949)	(1950)	(2008)	(2011)	(2011)	(1945)	(1951)	(1946)	(1975)
Min	272	284	276	266	354	419	440	446	355	311	269	291
(WY)	(1957)	(1957)	(1956)	(1956)	(1963)	(1981)	(1981)	(2001)	(1936)	(1936)	(1936)	(1956)

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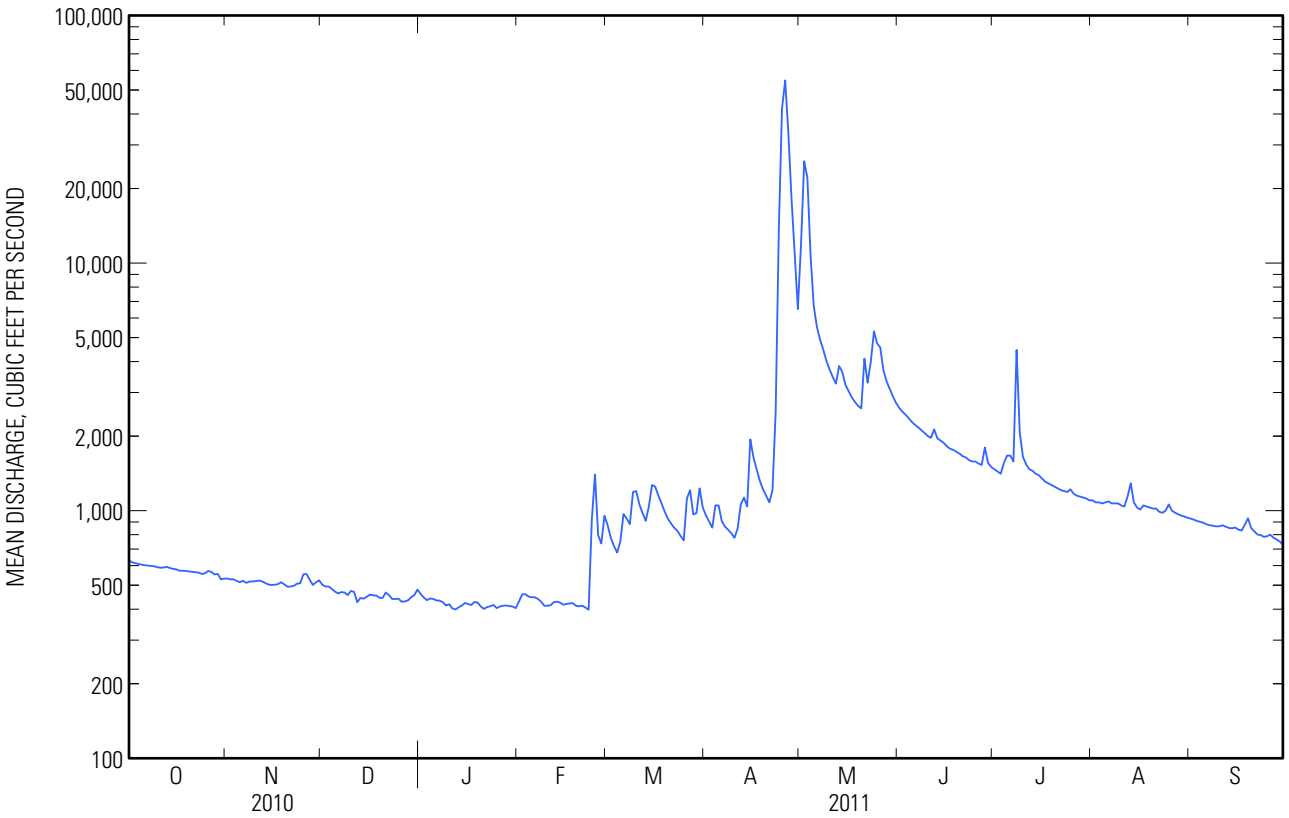
SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 1930 - 2011	
Annual total	449,172		645,609			
Annual mean	1,231		1,769		1,159	
Highest annual mean					2,326	1973
Lowest annual mean					435	1981
Highest daily mean	3,960	Apr 24	54,700	Apr 26	54,700	Apr 26, 2011
Lowest daily mean	427	Dec 12	398	Feb 23	[a]226	Sep 9, 1936
Annual seven-day minimum	437	Dec 23	409	Jan 20	241	Aug 25, 1936
Maximum peak flow			66,900	Apr 26	[b]162,000	Dec 3, 1982
Maximum peak stage			23.58	Apr 26	[c]29.06	Dec 3, 1982
Instantaneous low flow			362	Jan 12[d]	[a]226	Sep 9, 1936
Annual runoff (ac-ft)	890,900		1,281,000		839,300	
Annual runoff (cfsm)	1.09		1.57		1.03	
Annual runoff (inches)	14.79		21.25		13.93	
10 percent exceeds	2,190		2,730		2,080	
50 percent exceeds	928		873		812	
90 percent exceeds	502		427		410	

[a] Observed
[b] From rating curve extended above 23,000 ft³/s on basis of contracted-opening and flow-over-road measurement of peak flow
[c] From floodmarks
[d] Occurred on several days