07249400 JAMES FORK NEAR HACKETT, AR

Robert S. Kerr Reservoir Basin
Poteau Subbasin

LOCATION.--Lat 35°09′45″, long 94°24′25″ referenced to North American Datum of 1983, in NW ¼ NW ¼ sec.34, T.6 N., R.32 W., Sebastian County, AR, Hydrologic Unit 11110105, near left bank on downstream side of bridge on State Hwy 45, 1.7 mi south of Hackett, 2.0 mi downstream from Elder Branch, and 3.6 mi upstream from Arkansas-Oklahoma State line.

DRAINAGE AREA.--147 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Apr 1958 to current year.

REVISED RECORDS.--WDR Arkansas 1970: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 457.71 ft above NGVD of 1929. Prior to Oct 1, 1990, at datum 2.00 ft higher.

REMARKS.--Water-discharge records good except estimated daily discharges, which are poor. Water quality data available at the files of the USGS. Satellite telemeter at station.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 22	1200	5,000	21.29
Dec 4	1915	3,390	17.64
Jan 26	0015	*7,620	*22.83
Feb 4	0845	3,720	18.60
Mar 11	2330	3,330	17.46
Mar 20	1900	6,430	22.35

Minimum discharge, 0.71 ft^3/s, Sept. 26, 27, gage height, 2.18 ft.

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 07249400, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/07249400.2012.pdf

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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	2.6	9.4	119	43	194	42	68	17	e15	e0.99	e2.0	e1.0
2	2.0	8.0	106	34	200	35	57	19	e14	e0.98	e1.8	e1.0
3	1.4	7.9	97	28	219	32	63	14	e12	e0.97	e1.6	e1.0
4	1.2	6.9	2,160	26	2,130	26	131	13	e11	e0.96	e1.4	e1.0
5	1.3	6.7	2,420	25	535	22	81	13	e9.8	e0.95	e1.2	e1.0
6	1.3	6.3	1,100	22	337	20	58	13	e8.5	e0.94	1.0	e1.0
7	0.97	6.4	473	22	263	18	47	13	e7.2	e0.93	e1.0	e1.0
8	0.99	266	318	22	225	164	40	13	e6.0	e0.92	e1.0	e1.1
9	1.0	922	243	20	190	524	33	13	e4.8	e21	e1.0	e1.1
10	1.1	150	191	116	191	192	30	13	e3.5	e108	e1.0	e1.0
11	1.7	91	155	692	180	967	28	13	e2.3	e10	e1.0	e1.0
12	1.8	69	131	214	136	1,370	e27	13	e2.2	e7.4	e1.0	e1.0
13	1.5	57	111	119	143	381	22	13	e2.1	e5.0	e1.0	e1.1
14	1.7	51	109	90	233	246	19	14	e2.0	e2.2	e1.0	1.2
15	1.9	55	252	71	179	184	e23	14	e2.0	e27	e1.0	1.4
16	1.6	381	367	63	145	145	e47	14	e1.9	e41	e1.0	1.4
17	1.6	155	235	60	124	120	e30	14	e1.8	e21	e1.0	2.0
18	2.7	95	166	42	111	97	21	14	e1.8	e8.5	e1.1	2.4
19	2.4	75	138	33	106	106	16	14	e1.7	e7.2	e1.1	2.3
20	2.1	62	352	32	99	3,920	14	15	e1.7	e6.7	e1.1	1.8
21	2.3	85	231	30	139	3,540	14	15	e1.6	e5.0	e1.1	1.2
22	2.7	2,990	153	27	118	1,220	13	15	e1.5	e4.3	e1.0	0.98
23	5.3	531	118	25	98	575	13	15	e1.5	e3.6	e1.0	0.91
24	3.1	296	96	22	77	382	13	15	e1.4	e3.0	e1.0	0.85
25	3.9	217	84	3,350	58	282	12	15	e1.3	e2.4	e1.0	0.80
26	4.6	191	76	3,660	51	220	12	16	e1.3	e2.0	e1.0	0.76
27	6.9	307	110	727	48	177	12	16	e1.2	e165	e1.0	0.77
28	12	209	94	437	44	146	12	16	e1.1	e44	e1.0	0.88
29	11	164	67	315	44	121	12	16	e1.1	e28	e1.0	0.88
30	14	138	57	259	---	101	12	16	e1.0	e10	e1.0	0.94
31	12	---	48	221	---	83	---	16	---	e5.0	e1.0	---
Total	110.66	7,608.6	10,377	10,847	6,617	15,458	980	450	124.3	544.94	34.4	34.77
Mean	3.57	254	335	350	228	499	32.7	14.5	4.14	17.6	1.11	1.16
Max	14	2,990	2,420	3,660	2,130	3,920	131	19	15	165	2.0	2.4
Min	0.97	6.3	48	20	44	18	12	13	1.0	0.92	1.0	0.76
Ac-ft	219	15,090	20,580	21,520	13,120	30,660	1,940	893	247	1,080	68	69
Cfsm	0.02	1.73	2.28	2.38	1.55	3.39	0.22	0.10	0.03	0.12	0.01	0.01
In.	0.03	1.93	2.63	2.74	1.67	3.91	0.25	0.11	0.03	0.14	0.01	0.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	74.9	151	196	173	212	279	240	268	92.1	49.5	10.9	31.9
Max	867	915	760	820	727	1,250	1,047	1,203	342	768	81.7	656
(WY)	(1985)	(1997)	(1972)	(1998)	(2001)	(2008)	(1973)	(1990)	(1989)	(2004)	(1981)	(2008)
Min	0.00	0.00	0.40	0.50	1.08	0.92	19.9	14.5	1.76	0.42	0.01	0.00
(WY)	(1964)	(1964)	(1967)	(1964)	(1967)	(1967)	(2003)	(2012)	(2006)	(2006)	(1980)	(1963)

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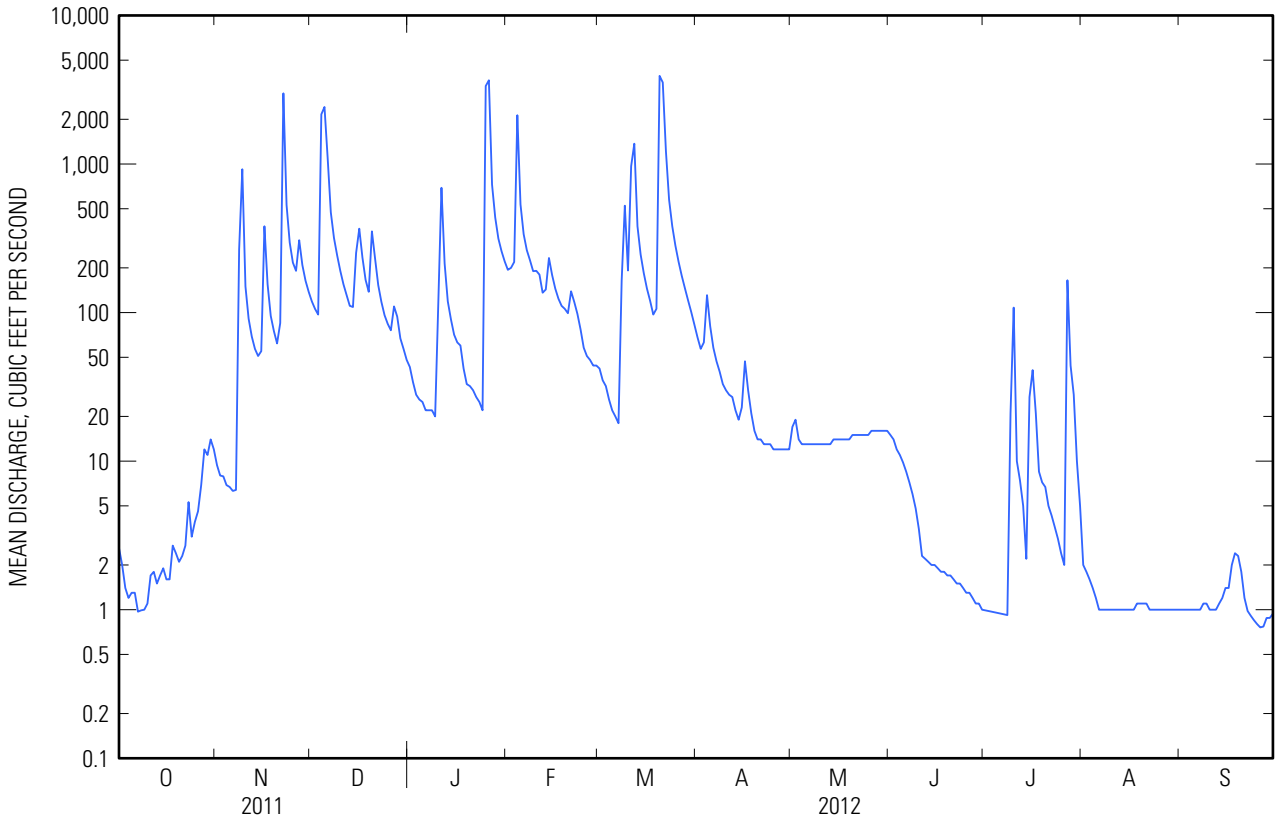
SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1958 - 2012	
Annual total	53,865.20		53,186.67			
Annual mean	148		145		147	
Highest annual mean					308	1973
Lowest annual mean					18.9	2006
Highest daily mean	7,470	Apr 25	3,920	Mar 20	17,100	May 14, 1968
Lowest daily mean	0.42	Jan 19	0.76	Sep 26	0.00	Aug 17, 1963 [a]
Annual seven-day minimum	0.44	Jan 15	0.84	Sep 23	0.00	Aug 17, 1963
Maximum peak flow			7,620	Jan 26	[b] 30,000	May 14, 1968
Maximum peak stage			22.83	Jan 26	[c] 25.00	May 14, 1968
Instantaneous low flow			0.71	Sep 26 [d]	0.00	Jan 1, 1958 [a]
Annual runoff (ac-ft)	106,800		105,500		106,400	
Annual runoff (cfsm)	1.00		0.989		0.999	
Annual runoff (inches)	13.63		13.46		13.58	
10 percent exceeds	247		248		278	
50 percent exceeds	6.9		15		28	
90 percent exceeds	1.2		1.0		1.4	

[a] Occurred on several days
[b] From rating curve extended above 20,000 ft³/s
[c] At present datum
[d] Also occurred Sept 27