Water-Data Report 2013

07249413 POTEAU RIVER NEAR PANAMA, OK

Robert S. Kerr Reservoir Basin
Poteau Subbasin

LOCATION.--Lat 35°09′56″, long 94°39′10″ referenced to North American Datum of 1927, in SE ¼ SE ¼ sec.15, T.8 N., R.25 E., Le Flore County, OK, Hydrologic Unit 11110105, on left end of county road bridge, 1.5 mi east of Panama, OK, .8 mi downstream from James Fork Creek, and at mile 26.4.

DRAINAGE AREA.--1,785 mi^2, from automated delineation using 10-meter National Elevation Dataset digital elevation model data dated 10/01/2006 and Watershed Boundary Dataset dated 10/01/2006, using Albers Equal-Area Projection, North American Datum 1983.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1989 to December 1990, May 1992 to current year.

REVISED RECORDS.--WDR 2012: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 387.96 ft above NGVD of 1929. Prior to December 1990, at site .4 mi upstream at datum 5.00 ft higher.

REMARKS.--Records poor. Flow partially regulated by Wister Reservoir 34.5 mi upstream. U.S. Army Corps of Engineers' satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 1935 reached a stage of 44.6 ft (HWM) at datum then in use, from information by U.S. Army Corps of Engineers.

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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	22	6.0	36	79	948	2,440	8,390	e2,420	10,000	e3,270	e2,390	389
2	17	6.4	38	75	826	e2,200	3,750	e2,320	16,200	1,370	1,720	383
3	13	7.5	36	73	775	e2,100	10,300	1,450	13,200	935	e1,330	374
4	11	7.8	35	74	756	e2,040	9,600	1,020	5,370	899	e1,300	368
5	11	7.8	33	71	667	e2,000	8,030	995	e3,560	908	e1,300	202
6	11	6.5	34	66	895	e1,920	6,580	955	e3,360	903	683	90
7	11	5.6	35	60	971	1,060	e6,500	913	e5,270	901	444	82
8	10	4.8	36	59	975	856	e6,520	878	e6,210	881	449	79
9	9.1	4.3	36	67	968	681	e6,720	850	e6,220	298	792	75
10	8.2	5.1	34	80	1,200	3,090	5,050	576	e6,140	99	1,120	75
11	7.9	6.9	32	71	1,500	5,790	3,490	469	e6,430	79	975	e81
12	12	8.1	31	69	1,260	3,840	4,450	594	e6,710	73	924	e89
13	25	9.2	34	104	1,470	3,420	e6,200	570	e6,620	184	3,090	81
14	53	8.3	36	160	1,440	e3,120	e6,850	329	e6,480	279	5,410	79
15	64	7.0	38	135	1,260	e2,980	e6,840	211	e5,960	278	2,270	76
16	71	5.8	37	104	1,150	e2,880	e6,690	205	e5,460	294	1,860	74
17	75	5.4	35	89	1,080	e2,800	e6,480	203	e6,300	283	1,650	72
18	49	6.5	33	78	1,040	e2,760	4,320	198	5,260	186	1,400	71
19	32	8.4	34	79	1,030	e2,710	3,820	188	3,510	80	e1,240	68
20	22	14	41	136	1,660	e2,600	e4,930	180	4,120	225	1,170	72
21	17	20	51	138	1,760	1,570	e5,350	2,060	e5,560	131	1,140	73
22	13	21	55	136	2,410	1,350	e5,160	8,980	e6,070	78	1,120	69
23	10	30	57	134	2,080	818	e4,940	5,590	e6,070	80	1,080	67
24	8.9	32	53	135	1,720	725	e4,830	1,610	e5,980	4,500	1,070	66
25	8.6	32	58	134	1,640	811	3,800	988	e5,860	3,730	1,050	66
26	9.0	34	70	132	3,140	694	2,690	818	4,650	1,300	1,030	63
27	9.6	34	64	129	2,370	631	1,310	3,380	e3,660	2,850	1,020	61
28	9.5	33	60	127	2,520	601	1,460	4,690	e3,550	1,180	1,020	63
29	8.7	34	72	139	---	582	1,170	e5,510	e3,490	564	1,000	82
30	7.5	35	69	1,300	---	3,450	e2,280	e5,750	e3,440	e2,210	959	70
31	6.6	---	65	1,280	---	e8,790	---	e6,300	---	e2,410	482	---
Total	642.6	446.4	1,378	5,513	39,511	71,309	158,500	61,200	180,710	31,458	42,488	3,560
Mean	20.7	14.9	44.5	178	1,411	2,300	5,283	1,974	6,024	1,015	1,371	119
Max	75	35	72	1,300	3,140	8,790	10,300	8,980	16,200	4,500	5,410	389
Min	6.6	4.3	31	59	667	582	1,170	180	3,360	73	444	61
Ac-ft	1,270	885	2,730	10,940	78,370	141,400	314,400	121,400	358,400	62,400	84,270	7,060

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2013, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	695	1,669	2,737	2,928	3,166	3,536	3,613	3,694	2,144	678	345	652
Max	6,234	9,861	8,135	10,930	7,467	11,610	11,410	16,670	6,024	4,587	2,478	5,709
(WY)	(2010)	(1997)	(1997)	(1998)	(1990)	(2008)	(2008)	(1990)	(2013)	(2004)	(2007)	(2008)
Min	15.0	11.5	9.68	27.6	24.7	270	262	184	24.0	16.8	20.8	13.4
(WY)	(1990)	(1990)	(2006)	(2006)	(2006)	(2007)	(2003)	(2012)	(2012)	(2005)	(2006)	(2012)

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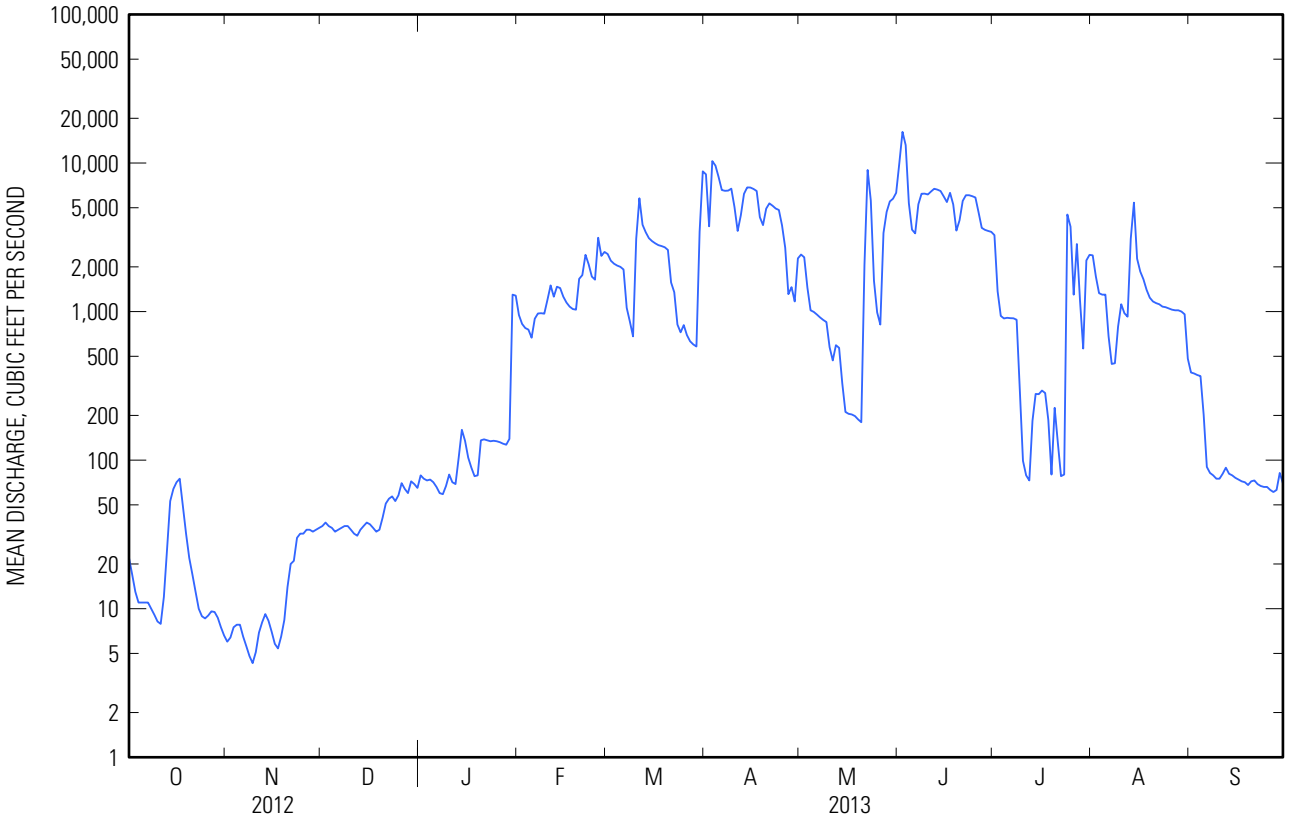
SUMMARY STATISTICS

	Calendar Year 2012		Water Year 2013		Water Years 1989 - 2013	
Annual total	453,928.5		596,716.0			
Annual mean	1,240		1,635		2,146	
Highest annual mean					3,907	1990
Lowest annual mean					295	2006
Highest daily mean	16,600	Jan 26	16,200	Jun 2	67,000	May 3, 1990
Lowest daily mean	4.3	Nov 9	4.3	Nov 9	2.7	Oct 20, 2003
Annual seven-day minimum	5.9	Nov 5	5.9	Nov 5	3.0	Oct 18, 2003
Maximum peak flow			17,300	Jun 2	74,600	May 3, 1990
Maximum peak stage			34.52	Jun 2	[a]46.59	May 3, 1990
Annual runoff (ac-ft)	900,400		1,184,000		1,555,000	
10 percent exceeds	5,240		5,530		6,770	
50 percent exceeds	36		601		440	
90 percent exceeds	9.6		12		23	

[a] At present datum.