

Water-Data Report 2012

07143350 ARKANSAS R NR BENTLEY, KS

Middle Arkansas Basin
Gar-Peace Subbasin

LOCATION.--Lat 37°50'33", long 97°31'08" referenced to North American Datum of 1927, in NW ¼ SW ¼ SW ¼ sec.27, T.25 S., R.2 W., Sedgwick County, KS, Hydrologic Unit 11030010, located on right upstream side of bridge 200 ft from right bank, and at mile 783.1.

DRAINAGE AREA.--39,050 mi² of which 7,186 mi² probably is noncontributing.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 2008 to February 2012 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 1,360.56 ft above NGVD of 1929.

REMARKS.--Record fair. Satellite telemeter at station.

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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	16	33	54	70	69	---	---	---	---	---	---	---
2	15	34	54	69	70	---	---	---	---	---	---	---
3	12	43	66	68	238	---	---	---	---	---	---	---
4	9.9	42	76	64	492	---	---	---	---	---	---	---
5	9.4	41	84	64	289	---	---	---	---	---	---	---
6	8.1	41	75	63	216	---	---	---	---	---	---	---
7	8.1	49	69	64	189	---	---	---	---	---	---	---
8	19	71	e70	62	177	---	---	---	---	---	---	---
9	39	101	e70	62	165	---	---	---	---	---	---	---
10	58	99	76	59	155	---	---	---	---	---	---	---
11	54	89	59	58	154	---	---	---	---	---	---	---
12	43	75	55	e63	147	---	---	---	---	---	---	---
13	37	64	56	e58	166	---	---	---	---	---	---	---
14	36	56	68	e90	154	---	---	---	---	---	---	---
15	34	52	67	e91	142	---	---	---	---	---	---	---
16	33	48	66	e80	139	---	---	---	---	---	---	---
17	33	47	61	e74	133	---	---	---	---	---	---	---
18	33	43	58	e71	131	---	---	---	---	---	---	---
19	35	43	81	e79	126	---	---	---	---	---	---	---
20	35	45	121	e78	125	---	---	---	---	---	---	---
21	35	46	165	e79	128	---	---	---	---	---	---	---
22	34	46	140	e99	121	---	---	---	---	---	---	---
23	35	45	128	94	120	---	---	---	---	---	---	---
24	34	43	107	83	119	---	---	---	---	---	---	---
25	34	43	96	81	119	---	---	---	---	---	---	---
26	34	56	84	78	116	---	---	---	---	---	---	---
27	34	72	81	73	116	---	---	---	---	---	---	---
28	34	69	78	72	111	---	---	---	---	---	---	---
29	35	59	77	72	135	---	---	---	---	---	---	---
30	35	56	76	68	---	---	---	---	---	---	---	---
31	34	---	73	69	---	---	---	---	---	---	---	---
Mean	30.5	55.0	80.4	72.7	157	---	---	---	---	---	---	---
Max	58	101	165	99	492	---	---	---	---	---	---	---
Min	8.1	33	54	58	69	---	---	---	---	---	---	---
Ac-ft	1,880	3,270	4,940	4,470	9,050	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2008 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	451	320	231	224	245	279	568	826	1,129	535	332	366
Max	1,268	594	358	324	321	346	1,212	1,833	1,763	1,138	488	636
(WY)	(2009)	(2009)	(2009)	(2009)	(2010)	(2010)	(2009)	(2009)	(2010)	(2010)	(2008)	(2009)
Min	30.5	55.0	80.4	72.7	157	207	184	177	145	48.3	57.9	15.5
(WY)	(2012)	(2012)	(2012)	(2012)	(2012)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)	(2011)

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SUMMARY STATISTICS

	Calendar Year 2011		Water Years 2008 - 2012	
Annual mean	118		484	
Highest annual mean			764	2009
Lowest annual mean			155	2011
Highest daily mean	457	May 30	6,440	Jul 5, 2010
Lowest daily mean	5.6	Sep 14	5.6	Sep 14, 2011
Annual seven-day minimum	7.6	Sep 9	7.6	Sep 9, 2011
Maximum peak flow			7,960	Jul 5, 2010
Maximum peak stage			19.00	Jul 5, 2010
Instantaneous low flow			3.2	Sep 12, 2011
Annual runoff (ac-ft)	85,200		350,700	
10 percent exceeds	216		840	
50 percent exceeds	107		295	
90 percent exceeds	23		134	

