



Water-Data Report 2009

06804900 Johnson Creek near Memphis, Nebr.

Lower Platte Basin
Salt Subbasin

LOCATION.--Lat 41°08'47", long 96°23'13" referenced to North American Datum of 1983, in NW ¼ NW ¼ sec.35, T.14 N., R.9 E., Saunders County, NE, Hydrologic Unit 10200203, on left downstream bank on Saunders County road G, 3.5 mi north and 2 mi east of Memphis, and at mile 0.9.

DRAINAGE AREA.--21.5 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--September 1990 to current year.

GAGE.--Water-stage recorder with satellite telemetry. Datum of gage is 1,070.00 ft above sea level.

REMARKS.--Records good except for estimated daily discharges, which are fair.

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06804900 Johnson Creek near Memphis, Nebr.—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
DAILY MEAN VALUES
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.3	2.6	3.1	3.4	3.1	2.9	2.3	2.0	1.9	1.3	1.2	1.6
2	2.4	2.6	2.9	3.4	3.1	2.9	2.2	2.0	2.0	1.3	1.0	1.6
3	2.5	2.6	2.9	3.5	3.0	2.8	2.2	1.9	1.9	1.4	0.97	12
4	3.0	2.6	2.9	3.3	3.0	2.9	2.2	1.9	1.9	1.5	0.95	40
5	2.9	2.6	2.9	3.2	3.0	2.9	2.5	1.9	1.9	1.4	0.86	14
6	2.6	2.7	3.0	3.2	3.2	2.8	2.5	1.9	11	1.4	0.82	4.1
7	2.7	3.0	3.0	3.2	3.3	2.9	2.4	1.8	3.3	1.3	1.2	2.1
8	2.6	2.9	3.0	3.2	3.3	2.9	2.3	1.9	4.3	1.4	0.73	1.5
9	3.0	2.6	2.9	3.1	4.3	2.8	2.3	1.8	2.6	1.3	0.89	1.3
10	3.4	2.6	3.0	3.1	4.9	2.8	2.3	1.8	2.5	1.5	0.91	1.2
11	3.0	3.1	3.0	3.1	4.1	2.6	2.3	1.8	2.4	1.2	0.85	1.2
12	2.7	4.4	3.0	3.0	3.6	2.7	2.2	1.9	2.8	1.4	0.79	1.2
13	3.2	4.6	3.0	3.0	3.5	2.8	2.2	2.2	2.7	1.3	0.74	1.1
14	3.1	4.3	2.9	3.0	3.1	2.7	2.1	1.9	2.5	1.2	0.66	1.1
15	4.2	3.8	2.8	e2.9	3.1	2.7	2.0	1.9	2.5	1.2	1.0	1.1
16	3.1	3.3	2.9	3.0	3.0	2.7	2.1	1.8	2.5	1.8	1.2	0.88
17	3.2	3.3	3.0	3.1	3.1	2.8	2.2	1.7	2.4	1.4	0.84	0.75
18	3.1	3.2	3.0	3.1	2.8	2.8	2.2	1.7	2.4	1.3	0.94	0.69
19	3.5	3.2	3.1	3.1	2.7	2.8	2.1	1.6	4.2	1.2	1.5	0.71
20	3.3	3.3	3.1	3.1	2.8	2.8	2.0	1.6	2.9	1.5	0.90	0.65
21	3.1	3.0	e3.0	3.1	3.0	2.8	2.0	1.6	51	1.4	0.86	0.76
22	97	3.0	e3.0	3.1	3.4	2.7	2.0	1.5	13	1.3	0.83	0.72
23	96	3.0	3.0	3.0	3.2	2.8	2.0	1.6	4.0	1.3	1.2	0.77
24	24	2.9	3.0	3.0	3.2	2.9	1.9	1.5	2.2	1.3	0.76	0.79
25	8.6	2.9	3.0	3.0	3.0	2.7	1.9	1.6	1.8	1.2	0.86	0.62
26	5.4	2.9	3.1	3.0	3.0	2.6	2.1	1.7	1.7	1.2	54	0.54
27	3.5	2.9	3.1	3.0	2.9	2.5	2.1	1.8	1.6	1.2	8.8	0.52
28	2.9	2.9	3.1	3.0	2.8	2.5	2.0	1.7	1.4	1.2	3.1	0.48
29	2.8	2.9	3.6	3.0	---	2.5	2.1	1.7	1.4	1.2	2.0	0.47
30	2.7	3.1	3.7	3.0	---	2.5	2.0	1.6	1.3	1.0	1.8	0.48
31	2.7	---	3.6	3.1	---	2.5	---	1.6	---	1.0	1.7	---
Total	308.5	92.8	94.6	96.3	90.5	85.0	64.7	54.9	140.0	40.6	94.86	94.93
Mean	9.95	3.09	3.05	3.11	3.23	2.74	2.16	1.77	4.67	1.31	3.06	3.16
Max	97	4.6	3.7	3.5	4.9	2.9	2.5	2.2	51	1.8	54	40
Min	2.3	2.6	2.8	2.9	2.7	2.5	1.9	1.5	1.3	1.0	0.66	0.47
Ac-ft	612	184	188	191	180	169	128	109	278	81	188	188

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2009, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	2.33	1.69	1.63	1.58	2.31	3.51	2.47	3.94	9.31	4.66	2.93	1.98
Max	9.95	3.09	3.82	3.11	5.61	17.8	7.67	16.2	43.5	26.1	14.9	5.11
(WY)	(2009)	(2009)	(1998)	(2009)	(2008)	(1993)	(1999)	(2007)	(2008)	(1993)	(2007)	(1999)
Min	0.87	0.81	0.65	0.68	0.86	0.98	1.07	0.94	1.38	0.98	0.58	0.72
(WY)	(2005)	(2006)	(2003)	(2003)	(2003)	(2006)	(2004)	(2005)	(2006)	(2004)	(2004)	(1992)

06804900 Johnson Creek near Memphis, Nebr.—Continued**SUMMARY STATISTICS**

	Calendar Year 2008	Water Year 2009	Water Years 1990 - 2009	
Annual total	3,270.07	1,257.69		
Annual mean	8.93	3.45	3.17	
Highest annual mean			8.46	2008
Lowest annual mean			1.18	2006
Highest daily mean	193	Jun 5	97	Oct 22
Lowest daily mean	0.91	Jan 1	0.47	Sep 29
Annual seven-day minimum	1.0	Jan 25	0.56	Sep 24
Maximum peak flow			258	Aug 26
Maximum peak stage			9.22	Aug 26
Annual runoff (ac-ft)	6,490		2,490	2,300
10 percent exceeds	12		3.4	3.5
50 percent exceeds	2.3		2.6	1.7
90 percent exceeds	1.1		1.0	0.90

^a Gage height, 10.46 ft.^b Discharge, 228 ft³/s.