06911490 SALT CREEK AT LYNDON, KS

Osage Basin
Upper Marais Des Cygnes Subbasin

LOCATION.--Lat 38°36′05″, long 95°41′04″ referenced to North American Datum of 1927, in SE ¼ SE ¼ NW ¼ sec.6, T.17 S., R.16 E., Osage County, KS, Hydrologic Unit 10290101, on left bank at upstream side of U.S. Highway 75 bridge, 0.25 mi south of Lyndon, and at mile 16.6.

DRAINAGE AREA.--97.8 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1999 to current year.

GAGE.--Water-stage recorder. Datum of gage is 979.79 ft above NGVD of 1929. Prior to Oct. 1, 1999, recording gage at site 0.5 mi north and 2.5 mi east of present site at datum 24.01 ft lower.

REMARKS.--Records good. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10,000 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 13	1300	*5,300	*11.30

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.54	2.1	3.5	11	10	40	27	29	14	7.5	7.0	4.1
2	0.67	1.9	3.2	8.0	10	75	23	179	94	5.6	3.8	3.4
3	0.67	1.8	2.3	6.9	11	1,290	23	114	789	4.6	2.3	3.9
4	0.60	2.0	2.4	7.3	15	200	24	48	191	4.2	1.8	4.1
5	0.53	2.4	2.8	35	456	109	23	33	97	4.4	1.5	3.7
6	0.47	1.7	3.1	218	366	71	22	30	593	4.0	1.8	3.7
7	0.45	1.8	4.1	133	144	52	21	29	67	3.6	2.1	3.5
8	1.8	2.1	4.3	97	154	36	182	27	27	3.2	1.9	3.1
9	0.76	2.5	3.8	86	209	34	186	86	23	3.1	63	2.8
10	0.54	2.8	4.0	52	206	30	106	79	17	3.1	335	2.7
11	0.41	2.9	170	35	76	28	97	75	10	2.9	40	2.8
12	0.38	2.3	385	26	55	27	68	43	132	3.4	14	495
13	2.0	2.0	107	20	38	25	43	28	1,200	3.8	7.5	3,990
14	1.7	2.0	137	16	40	23	33	22	140	3.0	5.1	395
15	12	1.7	74	13	31	27	29	18	63	2.6	3.7	114
16	52	1.4	34	17	30	33	28	15	40	2.5	2.8	63
17	492	1.4	29	23	1,390	1,010	26	12	32	2.4	2.3	34
18	619	1.9	22	19	796	1,260	31	9.9	26	2.1	2.0	21
19	79	2.3	21	13	175	218	31	8.7	32	2.0	2.1	16
20	23	1.8	20	11	105	123	26	8.0	101	1.9	2.5	13
21	9.4	1.5	18	11	54	83	22	6.6	49	1.9	2.5	11
22	474	1.7	18	9.6	46	59	25	33	22	2.3	2.5	9.8
23	167	1.5	15	8.2	37	46	50	12	14	2.2	5.5	8.3
24	43	1.8	15	6.8	48	40	520	721	11	2.0	8.7	7.9
25	16	2.2	13	6.0	153	36	158	262	9.1	2.3	9.5	18
26	9.5	2.6	17	6.7	129	34	76	392	7.3	2.5	5.2	18
27	6.2	2.4	20	8.5	68	34	77	818	8.3	2.5	3.8	8.7
28	4.4	3.7	20	14	53	31	69	193	17	2.3	6.0	5.8
29	2.9	3.1	17	20	46	28	43	78	42	2.1	11	5.8
30	2.3	2.8	15	15	---	27	33	42	13	29	9.5	4.6
31	2.0	---	13	13	---	27	---	23	---	21	5.8	---
Mean	65.3	2.14	39.1	31.2	171	166	70.7	112	129	4.52	18.5	176
Max	619	3.7	385	218	1,390	1,290	520	818	1,200	29	335	3,990
Min	0.38	1.4	2.3	6.0	10	23	21	6.6	7.3	1.9	1.5	2.7
Ac-ft	4,020	127	2,410	1,920	9,820	10,230	4,210	6,890	7,700	278	1,130	10,470

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	11.1	8.48	24.3	21.2	63.0	80.5	64.9	158	162	41.6	22.9	38.3
Max	65.3	48.2	105	130	171	231	144	606	628	199	93.4	176
(WY)	(2008)	(2005)	(2000)	(2005)	(2008)	(2004)	(2007)	(2007)	(2005)	(2004)	(2005)	(2008)
Min	0.00	0.02	0.06	0.09	1.22	1.51	8.72	7.12	2.71	0.77	0.11	0.00
(WY)	(2001)	(2001)	(2001)	(2001)	(2003)	(2003)	(2001)	(2000)	(2000)	(2000)	(2000)	(2000)

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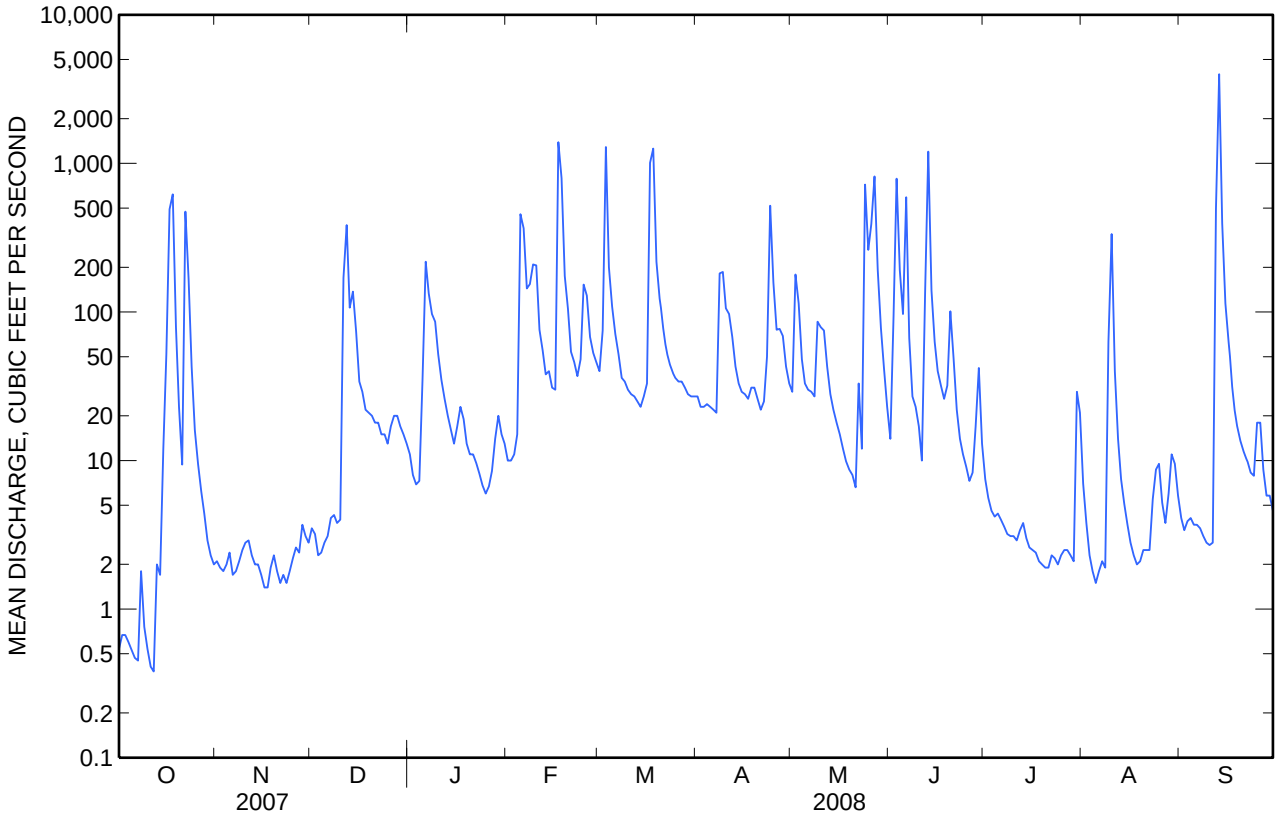
SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 2000 - 2008	
Annual mean	124		81.5		57.9	
Highest annual mean					123	2005
Lowest annual mean					18.6	2003
Highest daily mean	11,800	May 7	3,990	Sep 13	11,800	May 7, 2007
Lowest daily mean	0.30	Sep 4	0.38	Oct 12	0.00	Aug 25, 2000
Annual seven-day minimum	0.56	Oct 1	0.56	Oct 1	0.00	Aug 25, 2000
Maximum peak flow			5,300	Sep 13	16,400	May 7, 2007
Maximum peak stage			11.30	Sep 13	17.20	May 7, 2007
Instantaneous low flow			0.28	Oct 2	0.00	Aug 28, 2000
Annual runoff (ac-ft)	89,700		59,190		41,910	
10 percent exceeds	90		161		70	
50 percent exceeds	6.2		16		5.4	
90 percent exceeds	1.0		2.0		0.17