06879100 KANSAS RIVER AT FORT RILEY, KS

LOCATION.--Lat 39°03'12", long 96°46'36", in NE ¼ SW ¼ NW ¼ sec.33, T.11 S., R.6 E., Geary County, Hydrologic Unit 10270101, on right bank at downstream side of military highway bridge, 1.6 mi downstream from the confluence of the Republican and Smoky Hill Rivers, and at mile 168.9.

DRAINAGE AREA.--44,870 mi^2, of which a large area is noncontributing.

PERIOD OF RECORD.--December 1963 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,034.69 ft above NGVD of 1929. Gage temporarily moved on May 27, 2005, 1.0 mi downstream during bridge construction.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Natural flow affected by reservoirs in Colorado, Nebraska, and Kansas, and by numerous diversions upstream from station. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1951 reached a stage of 34.5 ft, from information by U.S. Army Corps of Engineers.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	318	330	244	708	358	396	480	451	414	589	443	779
2	282	581	241	714	356	381	438	441	414	566	561	667
3	254	583	236	733	357	371	406	433	3,760	549	487	609
4	239	581	232	733	351	365	379	420	22,200	542	431	563
5	226	567	238	668	336	355	372	406	22,000	537	384	527
6	301	512	237	572	383	339	437	395	12,600	522	351	495
7	592	511	242	364	422	341	1,870	383	8,720	517	332	448
8	656	512	263	358	543	341	3,130	379	5,930	512	317	426
9	668	507	274	369	517	342	2,620	377	4,110	494	306	408
10	674	529	271	362	524	313	2,970	365	7,530	475	293	391
11	684	536	262	347	514	312	2,690	356	9,090	461	284	379
12	682	523	251	318	437	315	1,910	392	7,040	452	278	368
13	679	522	238	307	516	309	1,490	1,060	9,840	444	344	360
14	677	521	231	e300	933	301	1,200	3,910	8,200	432	385	361
15	676	521	217	e300	1,220	294	997	2,780	5,510	421	511	381
16	673	520	216	e300	1,120	241	907	2,940	3,470	410	554	368
17	671	523	359	e300	1,160	226	835	1,690	2,290	395	519	364
18	673	589	1,940	e300	1,010	222	750	1,080	1,650	399	424	359
19	670	596	2,040	e300	901	224	700	845	1,310	466	392	354
20	668	601	2,040	268	842	227	655	721	1,110	434	567	351
21	667	603	2,090	300	813	252	611	644	1,000	413	448	342
22	661	543	2,030	383	703	298	575	580	921	409	390	496
23	657	263	1,980	378	490	923	542	525	910	391	366	1,370
24	650	248	2,000	397	460	2,270	511	487	1,120	371	856	451
25	643	233	2,010	397	434	1,850	496	463	880	359	2,420	410
26	622	224	2,040	379	418	1,160	488	498	768	381	5,030	398
27	619	229	2,050	396	417	844	487	462	728	372	7,150	386
28	631	232	2,070	391	414	710	502	458	691	360	4,350	388
29	581	249	1,880	374	---	626	489	508	636	351	2,630	372
30	274	253	1,010	364	---	567	471	463	608	343	1,750	364
31	249	---	724	362	---	528	---	424	---	331	1,340	---
MEAN	555	458	973	411	605	524	1,014	817	4,848	442	1,126	464
MAX	684	603	2,090	733	1,220	2,270	3,130	3,910	22,200	589	7,150	1,370
MIN	226	224	216	268	336	222	372	356	414	331	278	342
AC-FT	34,150	27,260	59,810	25,270	33,620	32,220	60,310	50,250	288,500	27,170	69,210	27,640

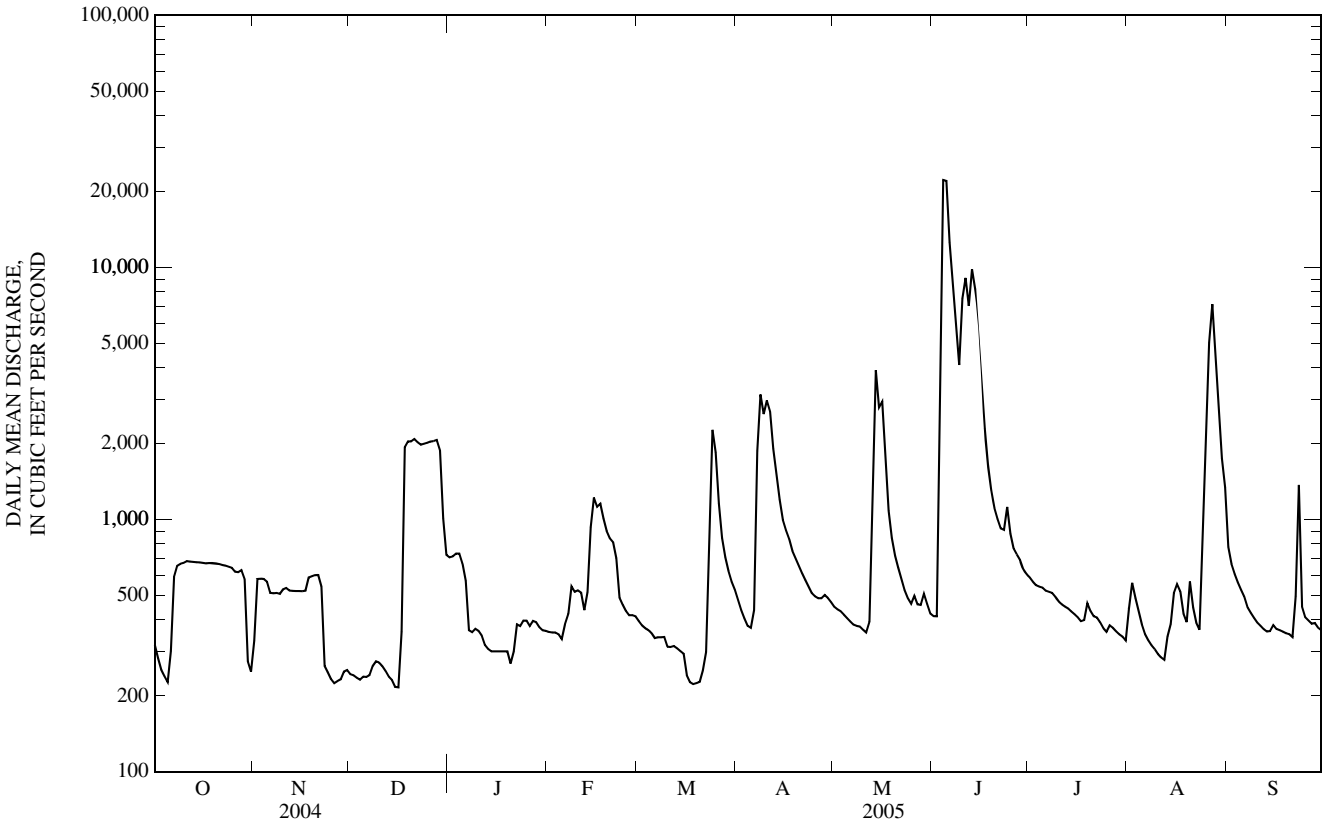
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2005, BY WATER YEAR (WY)

MEAN	2,297	1,960	1,767	1,204	1,823	2,838	3,187	3,943	4,164	4,207	2,778	2,172
MAX	26,340	16,650	10,070	7,041	8,689	13,800	16,580	16,640	18,730	40,990	24,050	16,210
(WY)	(1974)	(1974)	(1974)	(1974)	(1993)	(1973)	(1987)	(1993)	(1995)	(1993)	(1993)	(1993)
MIN	335	226	204	207	182	204	210	191	408	240	215	323
(WY)	(1981)	(1992)	(1992)	(1992)	(1992)	(1992)	(1992)	(1992)	(1988)	(1991)	(2003)	(2004)

06879100 KANSAS RIVER AT FORT RILEY, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1965 - 2005	
ANNUAL MEAN	904		1,016		2,700	
HIGHEST ANNUAL MEAN					12,500	1993
LOWEST ANNUAL MEAN					515	2003
HIGHEST DAILY MEAN	8,120	Mar 6	22,200	Jun 4	83,700	Jul 25, 1993
LOWEST DAILY MEAN	216	Dec 16	216	Dec 16	114	Aug 17, 2003
ANNUAL SEVEN-DAY MINIMUM	238	Nov 25	238	Nov 25	124	Aug 14, 2003
MAXIMUM PEAK FLOW			29,200	Jun 4	87,600	Jul 26, 1993
MAXIMUM PEAK STAGE			17.84	Jun 4	27.93	Jul 26, 1993
INSTANTANEOUS LOW FLOW			192	Dec 15	100	Dec 24, 1966
ANNUAL RUNOFF (AC-FT)	656,200		735,400		1,956,000	
10 PERCENT EXCEEDS	2,040		2,000		6,600	
50 PERCENT EXCEEDS	542		487		1,150	
90 PERCENT EXCEEDS	283		276		380	

e Estimated



06879650 KINGS CREEK NEAR MANHATTAN, KS

LOCATION.--Lat 39°06'07", long 96°35'42", in NW ¼ NW ¼ NW ¼ sec.18, T.11 S., R.8 E., Riley County, Hydrologic Unit 10270101, on left bank, 6.0 mi south of Manhattan, and at mile 2.9.

DRAINAGE AREA.--4.09 mi^2.

PERIOD OF RECORD.--April 1979 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,094.65 ft above NGVD of 1929.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 50 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jun 3	0815	100	5.01	Jun 10	2205	1,070	7.75
Jun 4	0150	72	4.76	Jun 11	0305	904	7.47
Jun 4	1910	*3,770	*10.61	Jun 12	0905	71	4.75
Jun 10	0355	257	5.87				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	e0.00	0.00	0.00	0.54	0.25	1.2	0.40	2.2	0.09	e0.00
2	0.00	0.00	e0.00	0.00	0.00	0.57	0.35	1.1	0.36	1.9	0.04	0.00
3	0.00	0.00	e0.00	0.00	0.00	0.56	0.42	1.1	17	1.8	0.01	0.00
4	0.00	0.00	e0.00	0.00	0.00	0.52	0.42	1.1	195	1.7	0.00	e0.00
5	0.00	0.00	e0.00	0.00	0.00	0.43	0.44	1.0	45	1.4	0.00	0.00
6	0.00	e0.00	e0.00	e0.00	0.00	0.56	2.6	1.0	32	1.2	0.00	0.00
7	0.00	e0.00	e0.00	0.00	0.00	0.52	2.9	0.94	29	0.99	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.43	3.3	0.93	26	0.78	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.40	3.6	0.85	25	0.64	0.00	0.00
10	0.00	0.00	e0.00	0.00	0.00	0.43	3.6	0.90	75	0.58	0.00	0.00
11	0.00	0.00	e0.00	0.00	0.00	0.44	3.7	0.82	72	0.51	0.00	e0.00
12	0.00	0.00	0.00	0.00	0.00	0.46	3.4	1.0	33	0.49	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.31	3.1	1.6	24	0.47	0.00	0.00
14	0.00	0.00	e0.00	0.00	e3.0	0.33	3.0	1.4	18	0.44	0.00	0.00
15	0.00	0.00	e0.00	0.00	e1.6	0.36	2.9	1.3	15	0.44	0.00	0.00
16	0.00	0.00	e0.00	e0.00	1.1	0.34	2.8	1.4	12	0.41	0.00	0.00
17	0.00	0.00	e0.00	0.00	1.2	0.34	2.7	1.4	10	0.40	0.00	0.00
18	0.00	0.00	0.00	0.00	1.2	0.30	2.7	1.3	8.7	0.41	0.00	e0.00
19	0.00	0.00	e0.00	0.00	1.4	0.18	2.5	1.2	7.5	0.44	0.00	e0.00
20	0.00	0.00	e0.00	e0.00	1.3	0.20	2.3	1.1	6.6	0.39	0.00	e0.00
21	0.00	0.00	0.00	e0.00	1.1	0.31	2.2	1.1	6.1	0.39	0.00	e0.00
22	0.00	0.00	0.00	0.00	1.0	0.28	2.0	0.90	5.4	0.38	0.00	e0.00
23	0.00	0.00	0.00	0.00	1.0	0.24	1.8	0.87	4.7	0.34	0.00	0.00
24	0.00	0.00	0.00	0.00	0.88	0.30	1.9	0.80	4.1	0.31	0.00	0.00
25	0.00	0.00	0.00	0.00	0.68	0.24	1.9	0.70	3.6	0.28	0.00	0.00
26	0.00	0.00	0.00	0.00	0.66	0.22	1.7	0.61	3.2	0.30	e0.00	0.00
27	0.00	0.00	0.00	0.00	0.68	0.28	1.5	0.59	2.8	0.21	0.00	0.00
28	0.00	0.00	0.00	0.00	0.60	0.36	1.5	0.58	2.7	0.20	0.00	0.00
29	0.00	e0.00	0.00	0.00	---	0.45	1.4	0.52	2.4	0.18	0.00	0.00
30	0.00	e0.00	0.00	0.00	---	0.38	1.3	0.46	2.3	0.16	e0.00	0.00
31	0.00	---	0.00	0.00	---	0.22	---	0.44	---	0.13	e0.00	---
MEAN	0.00	0.00	0.00	0.00	0.62	0.37	2.14	0.97	23.0	0.66	0.00	0.00
MAX	0.00	0.00	0.00	0.00	3.0	0.57	3.7	1.6	195	2.2	0.09	0.00
MIN	0.00	0.00	0.00	0.00	0.00	0.18	0.25	0.44	0.36	0.13	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	35	23	127	60	1,370	41	0.3	0.00

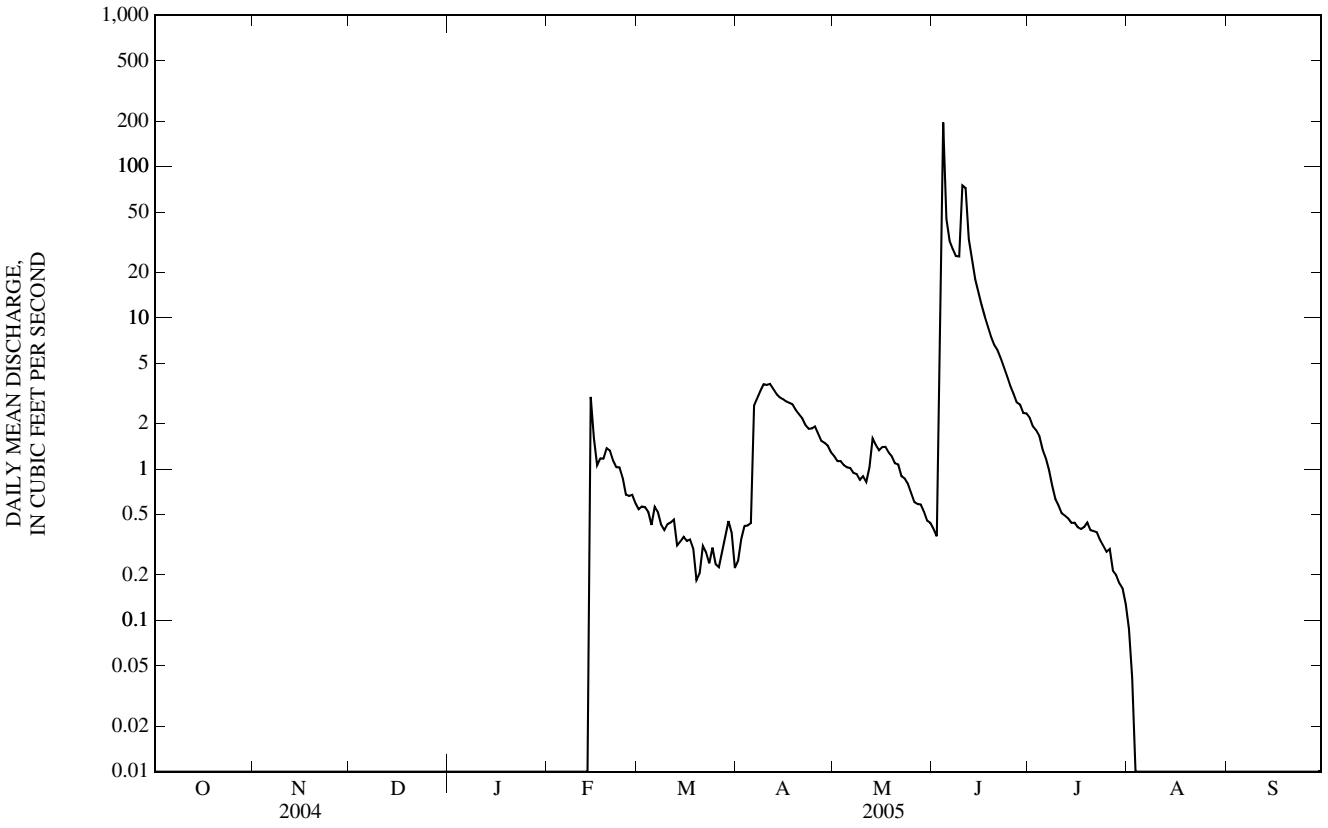
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2005, BY WATER YEAR (WY)

MEAN	1.24	1.49	0.76	0.43	1.04	2.79	5.10	6.21	3.80	4.08	0.54	0.21
MAX	10.9	24.7	8.09	2.32	4.51	12.5	21.9	43.7	23.0	43.5	4.11	2.46
(WY)	(1999)	(1999)	(1993)	(1999)	(1993)	(1984)	(1999)	(1995)	(2005)	(1993)	(1998)	(1989)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1980)	(1980)	(1980)	(1980)	(1980)	(1981)	(1981)	(1989)	(1989)	(1988)	(1980)	(1980)

06879650 KINGS CREEK NEAR MANHATTAN, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1980 - 2005	
ANNUAL MEAN	1.93		2.28		2.31	
HIGHEST ANNUAL MEAN					9.47	1993
LOWEST ANNUAL MEAN					0.20	1989
HIGHEST DAILY MEAN	224	Jul 2	195	Jun 4	464	May 13, 1995
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1979
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1979
MAXIMUM PEAK FLOW			3,770	Jun 4	10,200	May 13, 1995
MAXIMUM PEAK STAGE			10.61	Jun 4	13.98	May 13, 1995
INSTANTANEOUS LOW FLOW			0.00	Oct 1	0.00	many years
ANNUAL RUNOFF (AC-FT)	1,400		1,650		1,680	
10 PERCENT EXCEEDS	2.9		2.7		4.9	
50 PERCENT EXCEEDS	0.05		0.00		0.09	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated



06882510 BIG BLUE RIVER AT MARYSVILLE, KS

LOCATION.--Lat 39°50'31", long 96°39'43", in NE ¼ NW ¼ NE ¼ sec.32, T.2 S., R.7 E., Marshall County, Hydrologic Unit 10270205, on left bank at upstream side of bridge on U.S. Highway 36, 0.3 mi west of Marysville, and at mile 84.6.

DRAINAGE AREA.--4,777 mi^2.

PERIOD OF RECORD.--October 1984 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,110.31 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Powerplant located 0.8 mi upstream. Some pump diversions for irrigation upstream from station. Natural flow affected by ground-water withdrawals for irrigation and return flow from irrigated areas. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 1903 reached a stage of 43.79 ft, from floodmarks. Flood of June 9, 1941, reached a stage of 45.39 ft, from floodmarks; no discharge determined. Flood of June 15, 1951, reached a stage of 40.22 ft, from U.S. Weather Bureau wire-weight gage reading; discharge 55,600 ft^3/s, by contracted-opening measurement of peak flow. Flood of Oct. 13, 1973, reached a stage of 43.86 ft, from wire-weight gage readings.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 17	1500	*8,880	*21.87	No peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	119	138	164	214	247	229	221	317	398	292	547	236
2	117	146	159	202	253	224	210	293	385	224	375	1,540
3	131	151	156	199	247	218	204	277	816	260	290	1,900
4	137	181	158	144	270	215	202	264	1,260	265	216	1,690
5	128	170	163	e143	283	212	201	257	1,160	202	172	906
6	122	157	181	e142	295	207	1,790	249	749	179	149	552
7	120	150	189	e141	386	209	1,870	241	627	154	136	378
8	122	144	179	e140	288	201	676	237	662	128	114	307
9	125	141	175	e139	275	197	420	240	609	109	90	245
10	124	146	174	e138	246	195	312	231	903	107	72	213
11	124	148	172	e137	264	189	294	229	1,930	96	71	185
12	123	148	170	e137	327	185	1,080	2,720	1,690	86	86	167
13	124	142	164	e137	1,060	183	870	4,400	1,190	77	208	181
14	123	143	147	e137	1,630	183	605	2,510	1,420	66	2,490	e180
15	120	148	133	e137	1,050	183	421	4,100	1,180	59	1,710	e190
16	114	153	156	e137	636	181	358	6,370	858	52	825	e193
17	119	160	165	e137	538	182	348	8,560	703	53	521	172
18	126	164	161	e138	474	185	317	6,380	597	89	353	153
19	127	164	155	e139	441	183	617	2,540	506	112	312	143
20	126	166	113	e140	413	178	834	1,950	441	119	345	137
21	127	161	157	e141	376	188	936	1,510	389	111	247	128
22	129	160	143	e142	340	209	1,430	1,100	352	111	198	120
23	130	162	136	e144	314	226	1,850	846	317	100	184	115
24	128	160	120	190	291	227	1,380	703	280	105	320	110
25	124	156	128	182	270	232	958	608	254	97	677	109
26	124	160	150	221	256	228	672	539	278	426	435	108
27	126	164	155	254	246	224	520	491	283	e1,620	442	102
28	130	165	163	250	238	225	434	457	246	e1,630	315	101
29	136	166	165	234	---	223	381	432	205	e1,530	234	102
30	136	167	188	235	---	226	342	404	263	1,300	277	100
31	130	---	205	241	---	226	---	385	---	921	294	---
MEAN	126	156	159	168	427	206	692	1,608	698	345	410	359
MAX	137	181	205	254	1,630	232	1,870	8,560	1,930	1,630	2,490	1,900
MIN	114	138	113	137	238	178	201	229	205	52	71	100
AC-FT	7,720	9,280	9,810	10,340	23,710	12,640	41,160	98,860	41,560	21,180	25,200	21,350

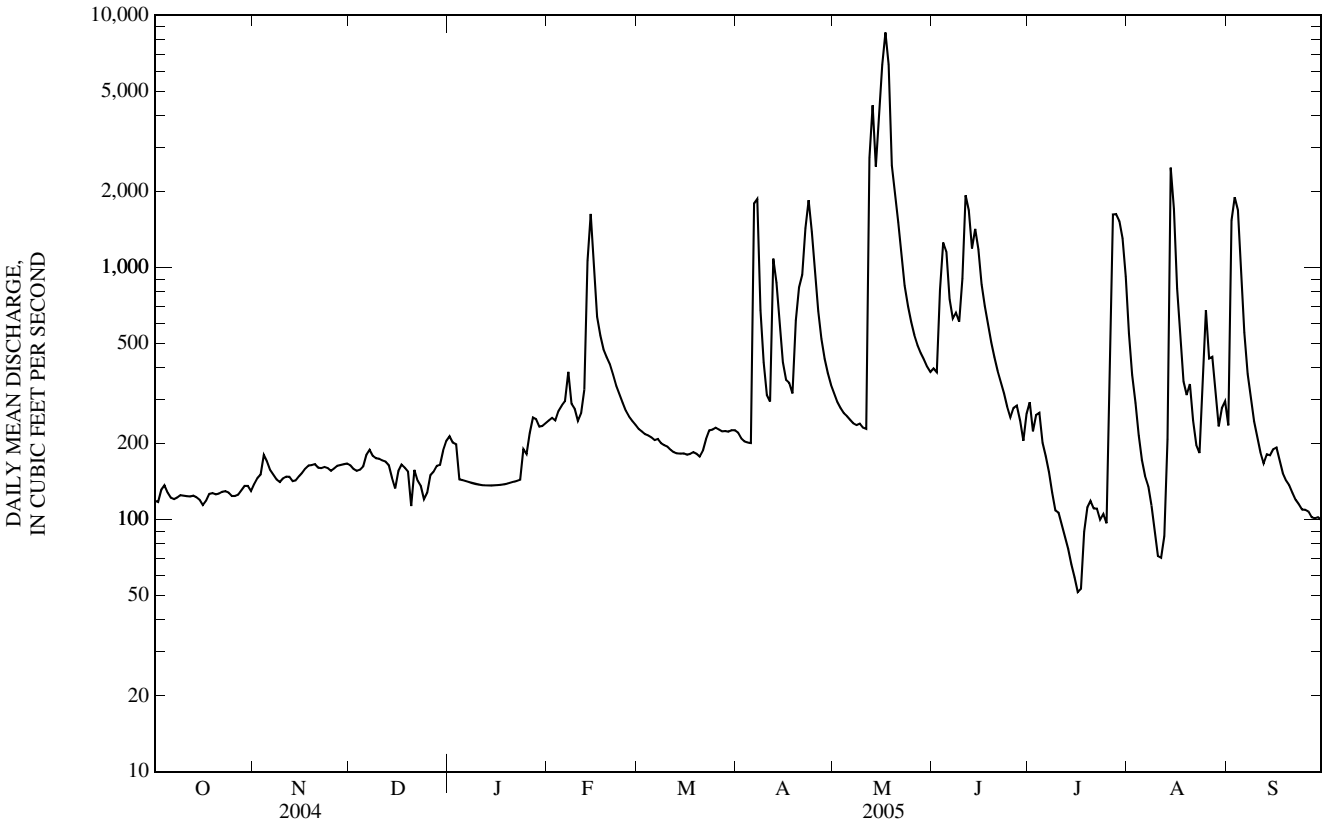
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2005, BY WATER YEAR (WY)

MEAN	654	532	409	344	629	1,412	991	1,808	1,939	2,249	932	943
MAX	5,114	2,172	1,016	644	2,157	7,346	4,912	5,946	4,229	15,000	2,751	3,957
(WY)	(1987)	(1999)	(1998)	(1987)	(1993)	(1987)	(1987)	(1995)	(2001)	(1993)	(1993)	(1989)
MIN	87.5	146	159	146	208	206	211	187	294	112	135	109
(WY)	(1992)	(1992)	(2004)	(2004)	(1990)	(2005)	(1989)	(1989)	(1988)	(2002)	(2003)	(1991)

06882510 BIG BLUE RIVER AT MARYSVILLE, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1985 - 2005	
ANNUAL MEAN	688		446		1,073	
HIGHEST ANNUAL MEAN					3,318	1993
LOWEST ANNUAL MEAN					413	1988
HIGHEST DAILY MEAN	14,800	May 30	8,560	May 17	34,400	Jul 7, 1986
LOWEST DAILY MEAN	101	Jan 28	52	Jul 16	23	Mar 25, 1991
ANNUAL SEVEN-DAY MINIMUM	103	Jan 28	69	Jul 12	49	Aug 4, 2002
MAXIMUM PEAK FLOW			8,880	May 17	39,700	Jul 6, 1986
MAXIMUM PEAK STAGE			21.87	May 17	38.90	Jul 6, 1986
INSTANTANEOUS LOW FLOW			48	Jul 16	17	Dec 4, 1991
ANNUAL RUNOFF (AC-FT)	499,400		322,800		777,500	
10 PERCENT EXCEEDS	1,670		995		2,290	
50 PERCENT EXCEEDS	189		204		411	
90 PERCENT EXCEEDS	116		120		170	

e Estimated



06884200 MILL CREEK AT WASHINGTON, KS

LOCATION.--Lat 39°48'49", long 97°02'14", in SW ¼ SW ¼ SE ¼ sec.1, T.3 S., R.3 E., Washington County, Hydrologic Unit 10270207, on right bank at downstream side of bridge in roadside park on U.S. Highway 36, 0.5 mi east of Washington, and at mile 26, approximately.

DRAINAGE AREA.--344 mi^2.

PERIOD OF RECORD.--October 1959 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,261.56 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Low flow partially regulated at times by irrigation. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum known stages since at least 1903, about 36 ft, June 8, 1941, about 34 ft in 1903 and 1908, from information by local residents and newspaper files.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 6	1700	2,630	14.41	Aug 13	1700	*3,010	*15.64
Jul 27	0100	1,680	11.04	Aug 18	0100	2,090	12.55

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	4.6	4.2	5.8	9.9	7.0	9.0	10	15	6.3	10	9.2
2	0.70	4.4	4.6	6.9	10	7.2	8.1	10	8.4	5.8	6.9	256
3	1.3	3.8	4.7	e6.9	9.5	7.1	7.9	9.6	193	5.1	4.9	204
4	1.8	3.4	4.8	e6.8	9.9	6.9	7.7	9.1	235	4.7	3.8	54
5	1.2	3.2	5.1	e6.6	10	7.0	8.7	8.9	122	4.0	3.7	24
6	2.5	3.1	5.8	e6.5	e12	7.1	965	8.5	34	3.5	3.6	16
7	2.9	3.2	5.8	e6.2	e12	7.1	563	8.3	17	3.2	2.9	46
8	2.4	3.3	9.4	e5.9	e12	6.6	179	11	10	3.1	2.6	48
9	1.9	3.5	8.2	e5.7	e13	e6.9	71	12	9.7	2.9	2.6	20
10	2.6	3.9	8.3	e5.5	e12	6.8	43	8.7	137	2.7	2.2	12
11	3.2	4.8	7.7	e4.8	e12	6.4	46	116	649	2.6	2.5	8.6
12	2.1	3.8	7.3	e4.4	e12	6.4	229	544	203	2.3	7.2	7.6
13	1.6	3.3	6.6	e3.9	77	6.4	112	139	83	2.3	1,850	5.9
14	1.4	3.4	6.2	e3.5	66	6.2	77	46	40	2.3	964	5.5
15	1.6	3.5	6.3	e3.3	35	6.3	44	27	26	e2.2	e128	5.7
16	1.9	4.0	6.1	e3.4	25	6.6	32	20	19	2.1	46	5.2
17	2.2	4.3	6.3	e3.5	16	6.6	25	14	16	1.9	426	4.7
18	2.3	4.3	7.2	e3.6	12	6.6	21	11	27	5.9	1,430	4.8
19	2.4	4.1	7.5	e3.6	11	6.4	19	9.7	16	16	247	4.3
20	2.9	3.8	6.6	e3.9	10	6.4	17	8.1	12	11	77	3.8
21	3.2	4.0	5.3	e5.2	9.6	9.3	17	7.6	8.9	2.7	40	3.8
22	3.4	3.9	4.1	e4.7	9.0	13	15	6.6	7.5	1.7	29	4.1
23	2.4	4.1	3.9	e3.8	8.3	15	13	5.7	6.4	0.50	357	4.3
24	2.4	3.7	3.3	e5.2	8.0	19	12	5.4	5.4	0.21	296	4.8
25	2.6	3.5	3.4	e7.5	7.6	18	12	5.1	4.7	3.0	93	3.5
26	3.2	3.8	3.9	e10	7.4	15	11	5.1	4.4	628	68	3.0
27	3.6	5.3	4.3	e12	7.9	13	11	4.3	4.4	1,340	42	3.5
28	4.1	4.3	4.8	11	7.2	12	11	5.0	4.4	231	29	3.9
29	4.0	4.5	4.2	9.3	---	11	11	4.6	4.0	56	21	3.5
30	2.9	4.2	5.7	11	---	10	11	4.8	5.8	26	16	3.4
31	3.5	---	5.4	10	---	9.4	---	7.6	---	15	12	---
MEAN	2.43	3.90	5.71	6.14	16.1	8.99	86.9	35.2	64.3	77.2	201	26.1
MAX	4.1	5.3	9.4	12	77	19	965	544	649	1,340	1,850	256
MIN	0.70	3.1	3.3	3.3	7.2	6.2	7.7	4.3	4.0	0.21	2.2	3.0
AC-FT	149	232	351	378	895	553	5,170	2,170	3,820	4,750	12,350	1,550

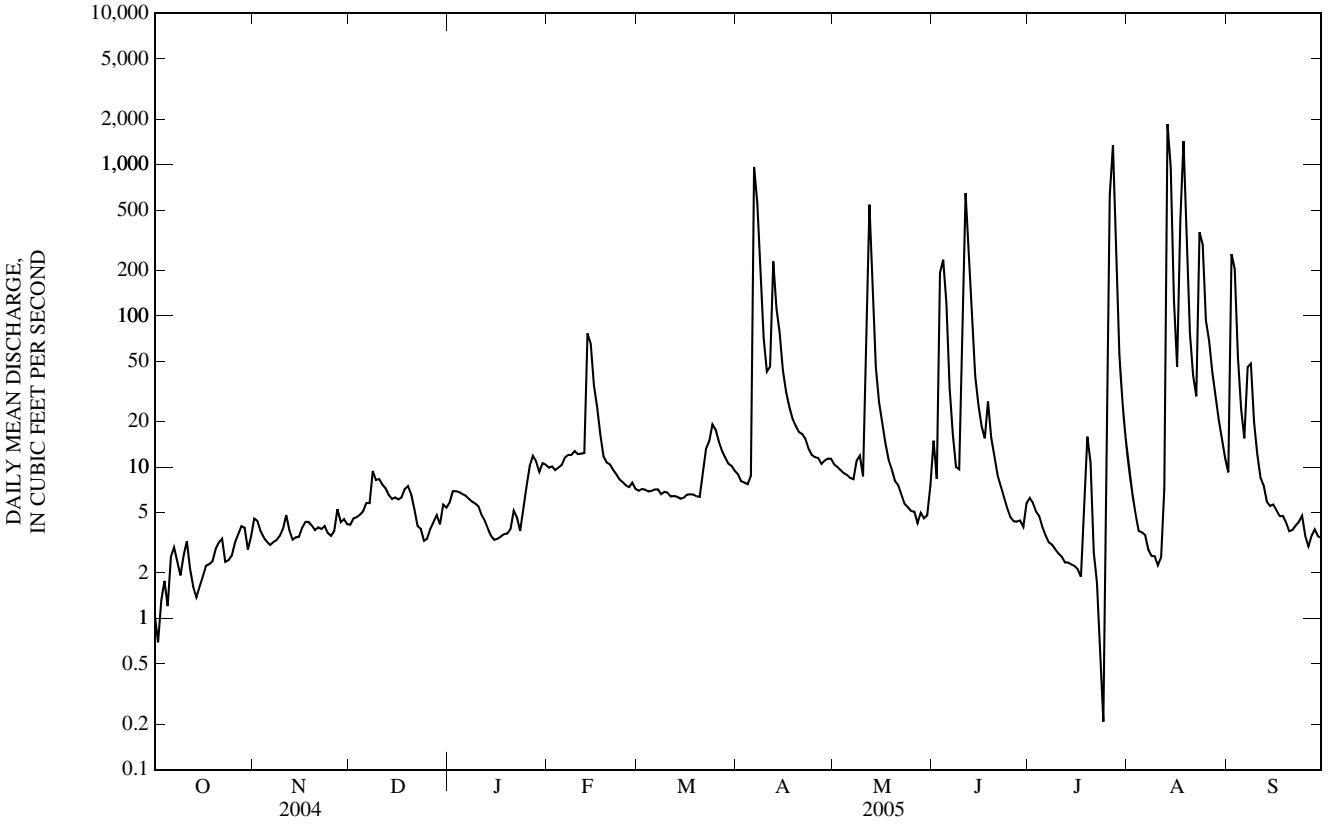
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2005, BY WATER YEAR (WY)

MEAN	66.3	47.7	30.1	43.2	80.5	174	119	191	195	127	60.5	91.8
MAX	839	359	176	367	505	1,264	725	1,161	804	2,151	344	864
(WY)	(1974)	(1973)	(1993)	(1962)	(1969)	(1979)	(1987)	(1995)	(1967)	(1993)	(1968)	(1973)
MIN	1.11	1.50	1.39	1.06	2.23	5.81	6.23	3.54	6.38	0.33	1.15	2.08
(WY)	(1967)	(1967)	(1967)	(1967)	(1967)	(1967)	(1966)	(1966)	(2000)	(1964)	(1991)	(2000)

06884200 MILL CREEK AT WASHINGTON, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1960 - 2005	
ANNUAL MEAN	46.5		44.7		102	
HIGHEST ANNUAL MEAN					468	1993
LOWEST ANNUAL MEAN					12.7	1964
HIGHEST DAILY MEAN	2,060	Mar 5	1,850	Aug 13	10,000	Jul 7, 1993
LOWEST DAILY MEAN	0.28	Sep 14	0.21	Jul 24	0.00	Jun 29, 1963
ANNUAL SEVEN-DAY MINIMUM	1.0	Sep 8	1.6	Oct 1	0.00	Jun 29, 1963
MAXIMUM PEAK FLOW			3,010	Aug 13	14,600	Jul 7, 1993
MAXIMUM PEAK STAGE			15.64	Aug 13	29.35	Jul 7, 1993
INSTANTANEOUS LOW FLOW			0.09	Jul 24	0.00	many years
ANNUAL RUNOFF (AC-FT)	33,790		32,370		74,060	
10 PERCENT EXCEEDS	71		55		168	
50 PERCENT EXCEEDS	8.3		6.6		18	
90 PERCENT EXCEEDS	2.2		2.8		3.2	

e Estimated



06884400 LITTLE BLUE RIVER NEAR BARNES, KS

LOCATION.--Lat 39°43'33", long 96°48'16", in SW ¼ SW ¼ SW ¼ sec.6, T.4 S., R.6 E., Marshall County, Hydrologic Unit 10270207, on right bank at downstream side of county bridge 1.0 mi north and 3.1 mi east of Barnes downstream and at mile 12.7.

DRAINAGE AREA.--3,351 mi^2.

PERIOD OF RECORD.--April 1958 to current year. Published as "at Waterville" April 1958 to September 1960; records prior to April 1958 collected at site 11.5 mi downstream and are considered not equivalent. Prior to August 2004 recording gage located 6.5 mi upstream at different datum.

GAGE.--Water-stage recorders. Datum of gage is 1,135.00 ft from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Natural flow affected by ground-water withdrawals, diversions for irrigation, and return flow from irrigated areas. Satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 12	0900	*7,010	*12.03	Aug 14	0800	4,850	10.23
Jul 27	1900	4,550	9.96				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	98	131	164	e97	142	156	222	221	169	357	255
2	85	105	126	155	e98	140	148	211	211	138	256	1,020
3	83	110	123	153	e98	140	149	201	556	135	191	2,290
4	81	110	122	e106	e98	139	147	195	732	125	139	965
5	83	105	131	e102	e100	138	164	189	655	107	110	432
6	87	104	139	e97	e105	137	1,430	187	402	94	92	275
7	90	102	135	e94	e122	137	2,240	182	265	82	88	232
8	94	101	131	e93	e132	135	890	183	218	74	90	897
9	92	101	129	e93	e138	135	488	208	215	63	79	795
10	89	107	126	e93	e151	141	344	186	486	55	76	395
11	89	111	124	e92	e170	152	293	182	1,640	55	67	262
12	93	109	122	e91	333	138	1,250	3,850	1,510	50	77	209
13	98	107	119	e89	523	136	715	1,670	818	44	673	176
14	97	108	121	e81	476	135	730	699	623	42	4,180	153
15	94	111	119	e77	354	134	561	1,200	505	42	1,950	144
16	92	112	113	e74	258	133	385	1,370	392	46	919	130
17	91	115	134	e75	220	133	305	957	325	43	578	122
18	91	117	125	e75	205	134	264	729	280	71	2,180	120
19	92	120	133	e77	198	132	243	554	249	110	1,470	117
20	91	120	100	e79	195	132	1,170	428	244	107	895	111
21	95	119	127	e81	186	140	1,880	364	214	95	634	108
22	98	118	109	e84	179	174	1,320	315	193	83	680	103
23	97	120	99	e88	168	211	1,070	281	175	74	762	115
24	94	125	92	e91	157	219	590	258	175	74	1,410	97
25	93	130	104	e92	152	194	432	241	192	75	2,170	98
26	94	132	108	e94	149	212	331	224	219	218	1,330	95
27	95	135	103	e95	148	199	283	213	208	2,710	797	92
28	97	132	110	e95	144	182	258	205	176	2,950	728	92
29	99	132	112	e96	---	173	245	195	141	1,400	502	96
30	96	131	155	e96	---	167	234	188	157	835	371	90
31	95	---	178	e97	---	163	---	187	---	525	300	---
MEAN	92.1	115	123	95.8	191	154	624	525	413	345	779	336
MAX	99	135	178	164	523	219	2,240	3,850	1,640	2,950	4,180	2,290
MIN	81	98	92	74	97	132	147	182	141	42	67	90
AC-FT	5,660	6,840	7,540	5,890	10,620	9,480	37,120	32,280	24,590	21,210	47,900	20,010

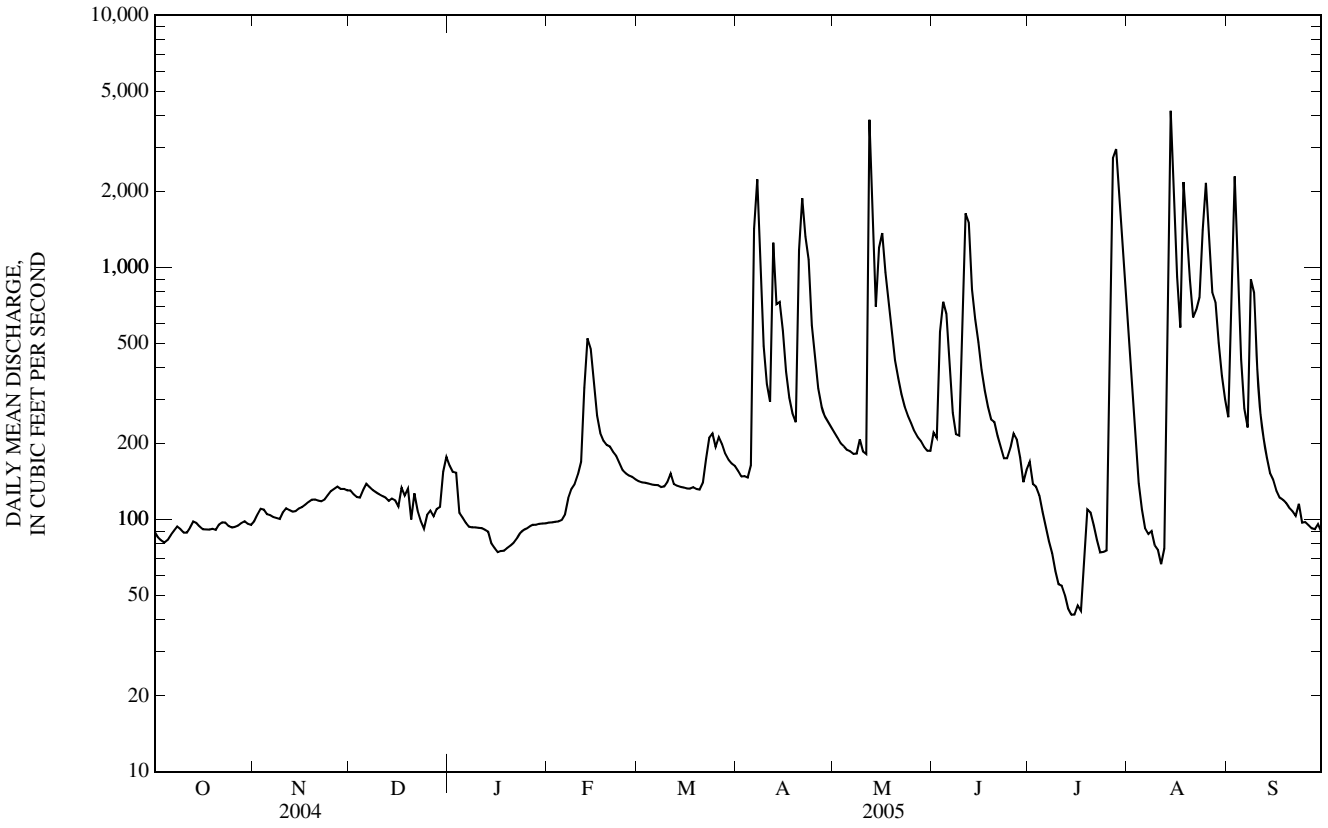
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2005, BY WATER YEAR (WY)

MEAN	551	331	243	286	479	998	691	1,121	1,259	1,028	586	581
MAX	6,989	1,526	676	1,097	1,576	5,436	3,696	3,985	5,343	11,420	3,487	3,804
(WY)	(1974)	(1997)	(1974)	(1974)	(1993)	(1979)	(1987)	(1995)	(1984)	(1993)	(1985)	(1973)
MIN	52.9	102	114	90.2	129	146	150	128	208	69.8	63.4	51.5
(WY)	(1992)	(1992)	(1967)	(1967)	(1992)	(1992)	(1981)	(1992)	(1988)	(2002)	(1991)	(1991)

06884400 LITTLE BLUE RIVER NEAR BARNES, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1959 - 2005	
ANNUAL MEAN	425		316		681	
HIGHEST ANNUAL MEAN					2,413	1993
LOWEST ANNUAL MEAN					234	1991
HIGHEST DAILY MEAN	8,470	Mar 6	4,180	Aug 14	46,100	Oct 13, 1973
LOWEST DAILY MEAN	56	Sep 14	42	Jul 14	24	Aug 4, 1964
ANNUAL SEVEN-DAY MINIMUM	62	Sep 11	46	Jul 11	28	Aug 1, 1964
MAXIMUM PEAK FLOW			7,010	May 12	53,700	Oct 12, 1973
MAXIMUM PEAK STAGE			12.03	May 12	27.70	Oct 12, 1973
INSTANTANEOUS LOW FLOW			41	Jul 14	22	Aug 6, 1964
ANNUAL RUNOFF (AC-FT)	308,700		229,100		493,100	
10 PERCENT EXCEEDS	920		744		1,290	
50 PERCENT EXCEEDS	153		137		255	
90 PERCENT EXCEEDS	88		89		121	

e Estimated



06885500 BLACK VERMILLION RIVER NEAR FRANKFORT, KS

LOCATION.--Lat 39°40'55", long 96°26'33", in NE ¼ NW ¼ NW ¼ sec.29, T.4 S., R.9 E., Marshall County, Hydrologic Unit 10270205, on right bank at downstream side of county highway bridge, 0.2 mi downstream from Robidoux Creek, 2.2 mi southwest of Frankfort, and at mile 19.9.

DRAINAGE AREA.--410 mi^2.

PERIOD OF RECORD.--October 1953 to current year. Monthly discharge only for October to December 1953, published in WSP 1730.

GAGE.--Water-stage recorder. Datum of gage is 1,106.91 ft above NGVD of 1929. Prior to May 13, 1954, nonrecording gage at same site and datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug. 3, 1948, reached a stage of 30.2 ft, present site and datum, from floodmarks. Flood in June 1951 reached a stage of 28.6 ft, present site and datum, from floodmarks, discharge, 30,400 ft^3/s, based on contracted-opening measurement of peak flow.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 13	1130	*9,790	*26.07	Jun 12	1700	4,740	19.83
Jun 11	1630	3,480	16.94				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.9	4.8	9.0	13	21	11	10	15	26	47	8.8	3.9
2	2.6	6.9	8.4	e11	21	13	9.5	14	29	33	7.8	379
3	2.6	6.5	8.7	e9.6	19	12	9.5	14	529	26	7.4	489
4	3.1	5.6	9.1	e7.8	20	13	9.9	14	360	23	7.2	70
5	3.1	4.9	11	e7.7	21	13	10	14	234	20	6.9	25
6	3.5	4.4	15	e9.6	31	13	191	15	94	18	6.9	14
7	3.8	4.8	15	e9.4	63	12	888	18	61	17	8.2	9.5
8	3.7	5.1	12	e7.7	48	11	120	21	46	14	8.1	6.6
9	3.5	5.1	10	e8.4	39	11	57	26	38	13	7.4	5.5
10	3.8	6.1	9.0	e9.2	30	11	40	32	1,640	12	5.8	4.2
11	4.1	6.8	8.4	e8.6	23	10	95	32	2,380	11	3.9	3.4
12	4.9	7.2	8.1	e8.3	24	9.7	266	1,170	3,100	20	4.6	3.7
13	3.9	7.4	7.5	e6.8	663	10	85	6,890	1,750	69	17	3.1
14	3.7	6.9	7.0	e5.9	248	9.3	47	1,400	410	18	34	3.0
15	2.9	6.5	6.9	e5.2	86	9.2	33	531	201	13	18	3.2
16	2.8	6.6	7.2	e5.4	44	9.7	26	258	146	13	10	3.4
17	2.8	7.3	7.5	5.7	29	10	23	161	146	9.7	6.4	3.5
18	2.7	8.1	8.6	6.0	23	9.8	22	127	97	12	163	3.3
19	2.8	9.1	e4.0	6.5	21	9.7	20	107	79	16	302	3.3
20	3.1	9.3	e5.8	e8.0	21	9.4	19	94	64	12	253	3.2
21	3.1	8.3	e5.3	e9.8	20	11	19	82	54	11	86	3.3
22	3.2	8.0	e4.4	e9.4	18	18	18	69	49	8.8	32	3.0
23	3.2	8.3	e4.9	e9.2	17	19	18	58	44	8.8	19	2.8
24	3.4	7.3	e4.3	e15	16	16	16	46	34	8.1	16	2.8
25	3.3	7.0	e4.4	20	14	15	16	33	28	6.8	18	3.3
26	4.1	7.4	5.9	21	14	14	16	29	24	23	36	3.0
27	4.8	8.9	7.4	25	14	12	16	27	21	248	50	2.7
28	6.6	11	9.8	27	13	12	15	25	23	47	16	2.9
29	14	10	9.6	21	---	12	16	24	83	20	9.2	2.7
30	7.0	9.5	13	21	---	13	15	22	41	13	6.8	2.8
31	4.7	---	14	21	---	11	---	22	---	11	4.9	---
MEAN	3.99	7.17	8.43	11.6	57.9	11.9	71.5	367	394	26.5	38.1	35.6
MAX	14	11	15	27	663	19	888	6,890	3,100	248	302	489
MIN	2.6	4.4	4.0	5.2	13	9.2	9.5	14	21	6.8	3.9	2.7
AC-FT	245	427	518	712	3,220	733	4,260	22,590	23,470	1,630	2,340	2,120

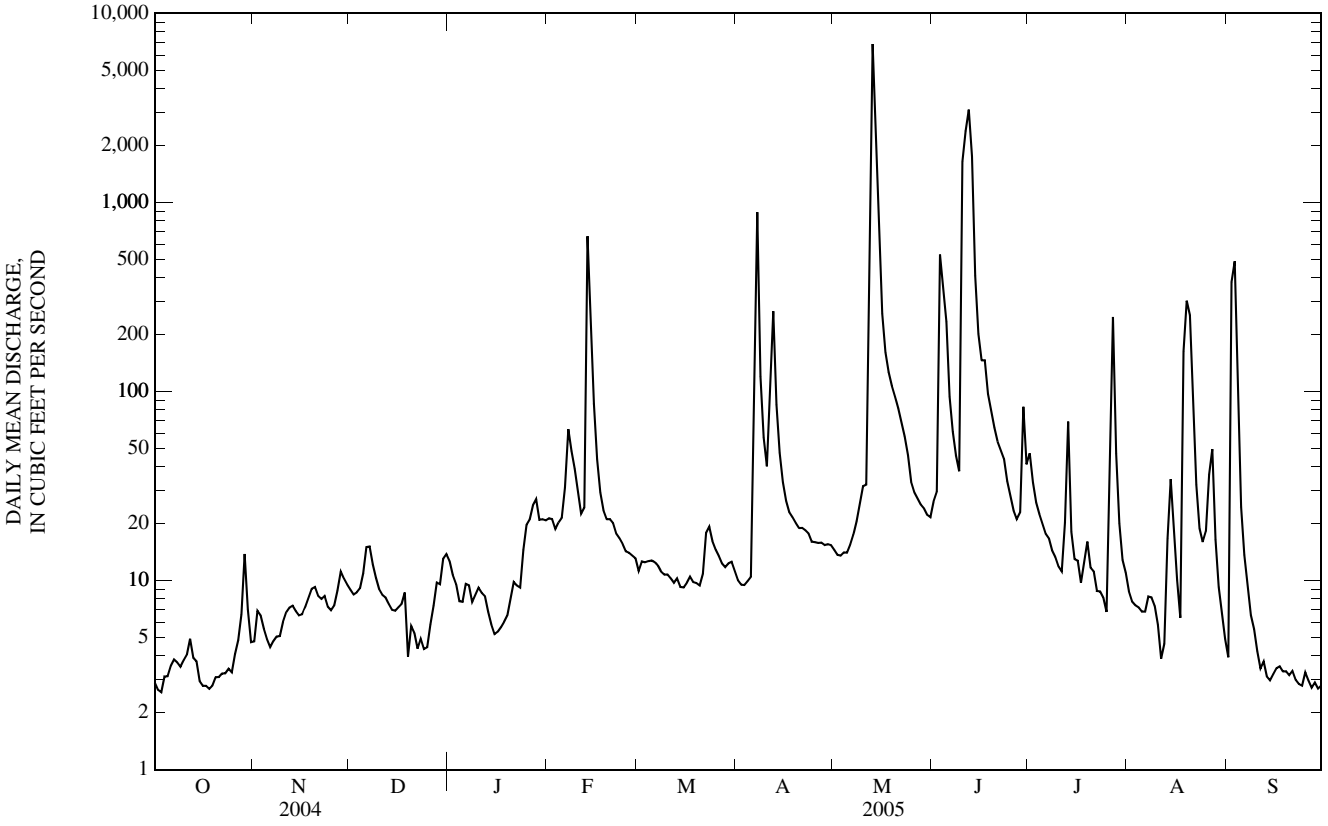
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2005, BY WATER YEAR (WY)

MEAN	113	86.6	47.6	52.4	139	235	207	306	310	261	79.7	159
MAX	1,685	1,158	255	371	662	1,413	1,750	1,873	1,431	4,575	675	1,068
(WY)	(1974)	(1999)	(1993)	(1962)	(1969)	(1979)	(1999)	(1995)	(1999)	(1993)	(1985)	(1977)
MIN	0.00	0.02	0.51	0.49	2.00	2.87	3.18	3.88	11.8	2.38	0.22	0.00
(WY)	(1957)	(1957)	(1957)	(1957)	(1956)	(1956)	(1956)	(1956)	(1972)	(1954)	(1955)	(1956)

06885500 BLACK VERMILLION RIVER NEAR FRANKFORT, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1954 - 2005	
ANNUAL MEAN	53.2		86.0		166	
HIGHEST ANNUAL MEAN					812	1993
LOWEST ANNUAL MEAN					11.8	1956
HIGHEST DAILY MEAN	5,040	Mar 5	6,890	May 13	28,800	Oct 11, 1973
LOWEST DAILY MEAN	2.6	Sep 24	2.6	Oct 2	0.00	Aug 3, 1955
ANNUAL SEVEN-DAY MINIMUM	2.8	Sep 20	2.9	Oct 15	0.00	Aug 28, 1956
MAXIMUM PEAK FLOW			9,790	May 13	38,300	May 30, 1959
MAXIMUM PEAK STAGE			26.07	May 13	30.28	Jul 5, 1993
INSTANTANEOUS LOW FLOW			1.6	Dec 19	0.00	at times
ANNUAL RUNOFF (AC-FT)	38,630		62,260		120,500	
10 PERCENT EXCEEDS	71		86		230	
50 PERCENT EXCEEDS	13		12		27	
90 PERCENT EXCEEDS	3.4		3.5		4.0	

e Estimated



06886900 TUTTLE CREEK LAKE NEAR MANHATTAN, KS

LOCATION.--Lat 39°15'16", long 96°36'08", in NW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.24, T.9 S., R.7 E., Pottawatomie County, Hydrologic Unit 10270205, on Big Blue River, near right end of dam, 5.0 mi north of Manhattan, and at mile 10.0.

DRAINAGE AREA.--9,628 mi^2.

PERIOD OF RECORD.--March to April 1960, March 1962 to current year. Prior to October 1968, published as "Tuttle Creek Reservoir near Randolph." October 1968 to September 1971 published as "Tuttle Creek Reservoir near Manhattan."

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to July 1, 1968, at site 19.8 mi upstream at same datum.

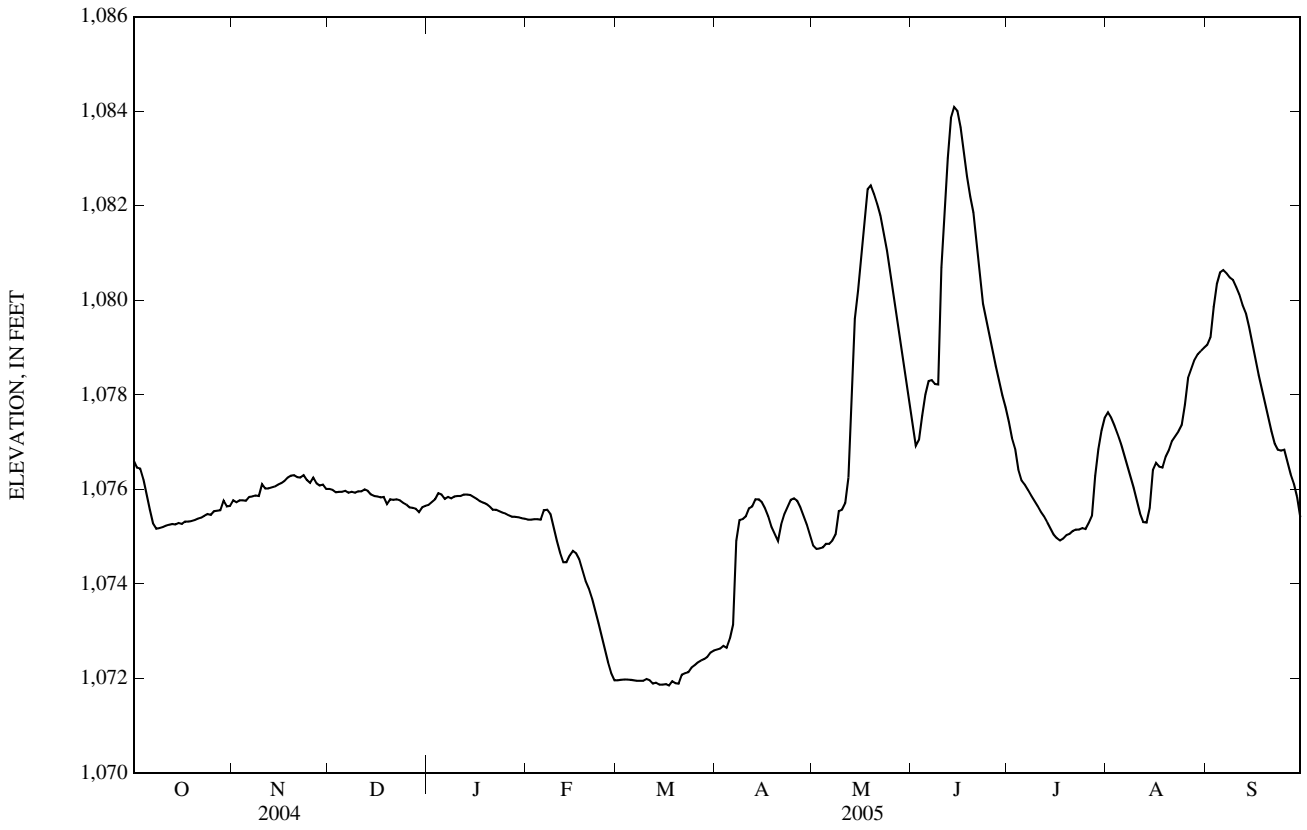
REMARKS.--Records good. Reservoir is formed by compacted earthfill dam. Storage began Mar. 15, 1962. Conservation pool elevation was first reached on Apr. 30, 1963. Total capacity, 3,186,000 acre-ft consisting of the following: Sedimentation, 211,500 acre-ft below elevation 1,061.0 ft; conservation pool, 177,100 acre-ft between elevations 1,061.0 ft and 1,075.0 ft; flood-control pool, 1,937,000 acre-ft between elevations 1,075.0 ft and 1,136.0 ft; and surcharge pool, 860,100 acre-ft between elevations 1,136.0 ft and 1,150.0 ft. Reservoir is used to store water for flood control. Figures given herein represent total contents. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 1,137.76 ft, July 22, 1993, contents, 2,423,000 acre-ft; minimum elevation since conservation pool was first reached, 1,060.82 ft, Jan. 4, 1967, contents, 231,000 acre-ft.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,084.13 ft, June 15, contents, 545,200 acre-ft; minimum elevation, 1,071.78 ft, Mar. 7, contents, 343,700 acre-ft.

Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on field survey by U.S. Army Corps of Engineers in 1973 revised 1982)

Elevation	Contents	Elevation	Contents	Elevation	Contents
1,070	320,100	1,080	469,400	1,085	561,900
1,075	388,600				



06886900 TUTTLE CREEK LAKE NEAR MANHATTAN, KS—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,076.61	1,075.77	1,076.01	1,075.67	1,075.36	1,071.96	1,072.61	1,074.81	1,077.43	1,077.44	1,077.63	1,079.06
2	1,076.46	1,075.73	1,075.99	1,075.73	1,075.36	1,071.97	1,072.63	1,074.74	1,076.92	1,077.09	1,077.52	1,079.22
3	1,076.44	1,075.77	1,075.94	1,075.79	1,075.37	1,071.98	1,072.69	1,074.75	1,077.05	1,076.86	1,077.35	1,079.86
4	1,076.21	1,075.77	1,075.95	1,075.92	1,075.37	1,071.98	1,072.65	1,074.77	1,077.56	1,076.42	1,077.17	1,080.35
5	1,075.89	1,075.76	1,075.95	1,075.89	1,075.36	1,071.97	1,072.84	1,074.85	1,078.01	1,076.19	1,076.97	1,080.59
6	1,075.57	1,075.84	1,075.97	1,075.80	1,075.56	1,071.96	1,073.14	1,074.85	1,078.29	1,076.10	1,076.73	1,080.64
7	1,075.28	1,075.85	1,075.93	1,075.84	1,075.57	1,071.95	1,074.91	1,074.92	1,078.31	1,075.99	1,076.50	1,080.57
8	1,075.17	1,075.87	1,075.95	1,075.81	1,075.48	1,071.95	1,075.35	1,075.05	1,078.23	1,075.87	1,076.27	1,080.48
9	1,075.18	1,075.86	1,075.93	1,075.85	1,075.20	1,071.95	1,075.37	1,075.54	1,078.22	1,075.76	1,076.03	1,080.43
10	1,075.20	1,076.11	1,075.96	1,075.86	1,074.91	1,071.99	1,075.43	1,075.57	1,080.69	1,075.65	1,075.76	1,080.28
11	1,075.23	1,076.02	1,075.96	1,075.86	1,074.66	1,071.96	1,075.60	1,075.71	1,081.70	1,075.53	1,075.49	1,080.12
12	1,075.25	1,076.02	1,076.00	1,075.89	1,074.46	1,071.89	1,075.64	1,076.25	1,083.01	1,075.43	1,075.31	1,079.90
13	1,075.27	1,076.04	1,075.97	1,075.89	1,074.46	1,071.91	1,075.79	1,078.27	1,083.86	1,075.31	1,075.30	1,079.73
14	1,075.26	1,076.06	1,075.89	1,075.88	1,074.60	1,071.87	1,075.79	1,079.61	1,084.09	1,075.18	1,075.61	1,079.44
15	1,075.29	1,076.10	1,075.86	1,075.84	1,074.70	1,071.87	1,075.73	1,080.20	1,084.01	1,075.05	1,076.41	1,079.10
16	1,075.27	1,076.13	1,075.85	1,075.80	1,074.65	1,071.88	1,075.60	1,080.93	1,083.66	1,074.97	1,076.56	1,078.77
17	1,075.32	1,076.18	1,075.83	1,075.75	1,074.52	1,071.85	1,075.43	1,081.58	1,083.16	1,074.92	1,076.48	1,078.42
18	1,075.32	1,076.25	1,075.84	1,075.72	1,074.29	1,071.94	1,075.21	1,082.35	1,082.62	1,074.96	1,076.46	1,078.12
19	1,075.33	1,076.29	1,075.69	1,075.69	1,074.06	1,071.90	1,075.06	1,082.43	1,082.20	1,075.03	1,076.69	1,077.82
20	1,075.35	1,076.30	1,075.79	1,075.64	1,073.90	1,071.89	1,074.91	1,082.25	1,081.86	1,075.06	1,076.83	1,077.53
21	1,075.38	1,076.26	1,075.78	1,075.57	1,073.69	1,072.08	1,075.26	1,082.04	1,081.27	1,075.12	1,077.03	1,077.23
22	1,075.40	1,076.25	1,075.79	1,075.57	1,073.43	1,072.11	1,075.48	1,081.79	1,080.58	1,075.15	1,077.13	1,076.97
23	1,075.44	1,076.30	1,075.77	1,075.54	1,073.17	1,072.13	1,075.63	1,081.42	1,079.93	1,075.15	1,077.23	1,076.84
24	1,075.48	1,076.20	1,075.72	1,075.51	1,072.89	1,072.23	1,075.78	1,081.05	1,079.60	1,075.18	1,077.36	1,076.82
25	1,075.46	1,076.14	1,075.68	1,075.49	1,072.62	1,072.28	1,075.81	1,080.65	1,079.27	1,075.16	1,077.79	1,076.84
26	1,075.54	1,076.25	1,075.62	1,075.45	1,072.34	1,072.34	1,075.76	1,080.23	1,078.95	1,075.29	1,078.36	1,076.58
27	1,075.55	1,076.13	1,075.61	1,075.42	1,072.11	1,072.38	1,075.62	1,079.80	1,078.61	1,075.44	1,078.55	1,076.32
28	1,075.56	1,076.08	1,075.59	1,075.42	1,071.96	1,072.41	1,075.44	1,079.36	1,078.30	1,076.28	1,078.74	1,076.12
29	1,075.76	1,076.10	1,075.52	1,075.41	---	1,072.46	1,075.26	1,078.92	1,077.99	1,076.85	1,078.86	1,075.84
30	1,075.64	1,076.01	1,075.62	1,075.39	---	1,072.55	1,075.04	1,078.43	1,077.74	1,077.25	1,078.93	1,075.41
31	1,075.65	---	1,075.65	1,075.38	---	1,072.59	---	1,077.94	---	1,077.52	1,079.00	---
MEAN	1,075.54	1,076.05	1,075.83	1,075.69	1,074.29	1,072.07	1,074.91	1,078.42	1,080.10	1,075.78	1,077.03	1,078.51
MAX	1,076.61	1,076.30	1,076.01	1,075.92	1,075.57	1,072.59	1,075.81	1,082.43	1,084.09	1,077.52	1,079.00	1,080.64
MIN	1,075.17	1,075.73	1,075.52	1,075.38	1,071.96	1,071.85	1,072.61	1,074.74	1,076.92	1,074.92	1,075.30	1,075.41
(+)	398,500	403,900	398,500	394,400	346,000	354,500	389,200	434,700	431,500	427,900	452,300	394,800
(#)	-14,700	+5,400	-5,900	-4,100	-48,400	+8,500	+34,700	+45,500	-3,200	-3,600	+24,400	-57,500

CAL YR 2004 ..... (#) +56,000
WTR YR 2005 ..... (#) -18,400

+ CONTENTS, IN ACRE-FEET, AT END OF MONTH.
# CHANGE IN CONTENTS, IN ACRE-FEET.

06887000 BIG BLUE RIVER NEAR MANHATTAN, KS

LOCATION.--Lat 39°14'14", long 96°34'16", in SW ¼ NW ¼ SE ¼ sec.30, T.9 S., R.8 E., Riley County, Hydrologic Unit 10270205, on right bank at downstream side of county highway bridge, 2.5 mi downstream from Tuttle Creek Dam, 4.0 mi north of Manhattan, and at mile 7.5.

DRAINAGE AREA.--9,640 mi^2.

PERIOD OF RECORD.--May to July 1951 (published in WSP 1139), October 1954 to current year. Records for April 1895 to October 1905, published in previous Annual Reports and Water-Supply Papers, have been found to be unreliable and should not be used.

GAGE.--Water-stage recorders. Datum of gage is 988.86 ft above NGVD of 1929. May 1 to July 31, 1951, nonrecording gage above power dam 1.1 mi upstream at datum 8.34 ft higher. Oct. 1 to Nov. 17, 1954, nonrecording gage and Nov. 18, 1954, to Sept. 30, 1974, recording gage at present site and datum 3.00 ft higher.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow regulated since 1962 by Tuttle Creek Lake (station 06886900), 2.5 mi upstream. Discharge may, at times, be affected by backwater from the Kansas River. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 31, 1903, reached a stage of 38.85 ft, and flood in June 1941 reached a stage of about 37.1 ft, from floodmarks and information by local resident.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	512	79	422	212	495	339	191	1,860	3,960	2,930	271	146
2	508	81	374	209	495	364	191	1,130	3,950	2,930	1,250	146
3	509	92	375	215	495	407	192	445	e2,500	2,910	1,580	146
4	1,100	89	374	214	496	407	193	391	e130	2,930	1,400	146
5	1,960	82	379	212	497	406	197	203	e100	2,140	1,540	145
6	2,010	78	376	210	515	405	211	201	e100	883	1,540	441
7	2,000	75	374	208	502	407	653	201	e900	877	1,540	969
8	1,190	74	354	207	1,030	404	1,910	201	e2,000	878	1,530	1,060
9	401	74	283	208	1,850	404	1,930	200	e2,000	879	1,520	1,260
10	341	78	282	209	1,930	405	1,240	201	e2,000	876	1,580	1,540
11	152	76	282	208	1,920	402	850	219	e2,000	870	1,650	1,540
12	106	74	284	209	1,930	405	1,900	277	e600	870	1,420	1,540
13	91	73	280	207	1,950	403	1,880	242	e100	866	762	1,770
14	85	73	315	263	1,940	371	1,870	e260	e950	864	243	2,200
15	82	e30	387	422	1,950	323	1,860	252	e3,500	1,070	642	2,420
16	80	e12	424	426	1,950	323	1,860	908	5,200	565	1,790	2,420
17	80	e11	425	423	1,950	292	1,850	3,860	5,930	274	1,850	2,510
18	80	e9.8	426	423	1,950	194	1,850	3,820	5,850	278	1,850	2,660
19	79	e9.7	e425	460	1,950	190	1,840	3,790	5,340	252	1,860	2,310
20	78	e9.7	e330	505	1,930	193	1,830	3,790	3,570	e100	1,310	1,860
21	78	e200	e80	504	1,930	202	1,820	3,790	5,740	e85	311	1,940
22	78	303	e80	500	1,920	196	1,800	3,850	5,870	e80	309	1,970
23	77	386	e196	497	1,910	192	1,800	3,980	5,380	e75	305	1,220
24	74	451	424	496	1,900	195	1,810	3,960	3,820	e70	304	217
25	75	452	423	496	1,900	192	1,810	3,940	3,090	e70	e300	375
26	78	455	423	496	1,900	192	1,800	3,920	3,070	e70	e300	1,340
27	78	455	423	496	1,890	191	1,820	3,910	3,050	e72	e300	1,420
28	78	455	423	497	1,250	191	1,880	3,950	3,050	e72	e300	1,420
29	76	458	320	495	---	192	1,870	4,000	3,030	82	294	1,420
30	75	452	211	495	---	191	1,870	3,990	2,970	81	169	2,270
31	75	---	209	495	---	192	---	3,970	---	82	151	---
MEAN	396	175	335	359	1,512	296	1,426	2,120	2,992	809	973	1,361
MAX	2,010	458	426	505	1,950	407	1,930	4,000	5,930	2,930	1,860	2,660
MIN	74	9.7	80	207	495	190	191	200	100	70	151	145
AC-FT	24,370	10,410	20,590	22,050	83,950	18,190	84,850	130,300	178,000	49,750	59,840	80,970

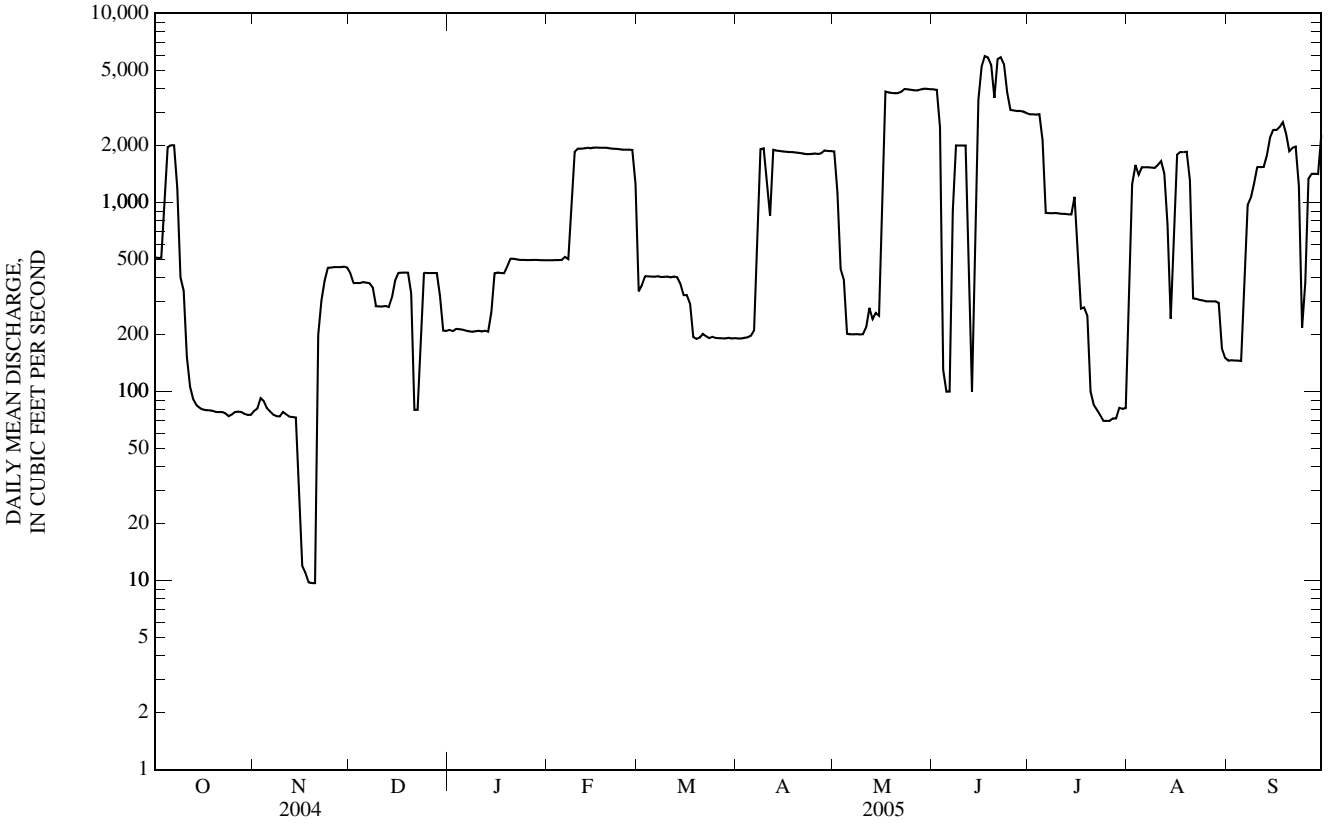
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2005, BY WATER YEAR (WY)

MEAN	1,674	1,473	1,212	800	1,476	2,409	3,020	3,412	4,342	4,138	2,371	1,822
MAX	13,370	20,110	4,969	3,311	5,586	12,200	15,400	15,210	27,820	24,360	23,900	14,770
(WY)	(1987)	(1974)	(1974)	(1974)	(1973)	(1969)	(1987)	(1987)	(1951)	(1993)	(1993)	(1993)
MIN	63.7	56.6	161	106	21.9	48.1	50.8	53.7	91.5	352	156	43.3
(WY)	(1985)	(1988)	(1965)	(1970)	(1975)	(1967)	(1967)	(1967)	(1981)	(1954)	(1955)	(1988)

06887000 BIG BLUE RIVER NEAR MANHATTAN, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1951 - 2005	
ANNUAL MEAN	1,255		1,054		2,349	
HIGHEST ANNUAL MEAN					9,450	1993
LOWEST ANNUAL MEAN					567	1956
HIGHEST DAILY MEAN	19,200	Mar 10	5,930	Jun 17	86,400	Jul 13, 1951
LOWEST DAILY MEAN	9.7	Nov 19	9.7	Nov 19	2.3	Sep 14, 1988
ANNUAL SEVEN-DAY MINIMUM	22	Nov 14	22	Nov 14	2.6	Sep 8, 1988
MAXIMUM PEAK FLOW			6,010	Jun 22	93,400	Jul 12, 1951
MAXIMUM PEAK STAGE			7.52	Jun 22	36.04	Jul 12, 1951
INSTANTANEOUS LOW FLOW			e9.7	Nov 19	0.20	Nov 23, 1978
ANNUAL RUNOFF (AC-FT)	911,200		763,300		1,702,000	
10 PERCENT EXCEEDS	3,270		2,920		5,920	
50 PERCENT EXCEEDS	468		426		920	
90 PERCENT EXCEEDS	82		80		215	

e Estimated



06887500 KANSAS RIVER AT WAMEGO, KS

LOCATION.--Lat 39°11'54", long 96°18'19", in NW ¼ SW ¼ NE ¼ sec.9, T.10 S., R.10 E., Pottawatomie County, Hydrologic Unit 10270102, on left bank at upstream side of bridge on Kansas Highway 99 at Wamego, 3.0 mi downstream from Antelope Creek, and at mile 126.9.

WATER-DISCHARGE RECORDS

DRAINAGE AREA.--55,280 mi^2, approximately, of which a large area is probably noncontributing.

PERIOD OF RECORD.--January 1919 to current year.

REVISED RECORDS.--WSP 806: Drainage area. WSP 1310: 1937(M).

GAGE.--Water-stage recorder. Datum of gage is 950.82 ft above NGVD of 1929. Prior to Aug. 1, 1934, nonrecording gage and Aug. 1, 1934, to Sept. 30, 1955, water-stage recorder at present site at datum 3.00 ft higher.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Natural flow affected by reservoirs in Colorado, Nebraska, and Kansas, and by numerous small diversions for irrigation upstream from station. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in May 1903 reached a stage of 29.3 ft, present datum, determined by U.S. Weather Bureau, from floodmarks.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	954	518	741	998	1,000	1,570	923	2,540	4,310	3,590	481	2,050
2	951	e520	695	968	991	1,130	862	2,470	4,300	3,510	879	1,540
3	929	e601	668	1,030	980	1,150	822	1,490	4,850	3,490	2,020	1,300
4	903	723	663	1,050	971	1,150	785	1,250	18,300	3,440	1,910	1,150
5	1,830	718	672	1,070	955	1,120	765	1,080	32,700	3,390	1,900	1,030
6	2,230	714	691	735	1,100	1,110	900	922	17,300	2,410	1,880	941
7	2,260	669	663	e750	1,240	1,100	1,360	888	11,300	2,120	1,840	1,420
8	2,430	654	656	e780	1,120	1,060	3,870	870	9,080	2,010	1,810	1,670
9	1,330	654	627	e840	2,430	1,060	5,200	842	7,200	1,910	1,780	1,660
10	1,230	679	591	e830	2,680	1,050	4,780	818	12,500	1,830	1,760	1,940
11	1,020	739	589	e830	2,630	1,020	3,860	799	19,700	1,760	1,810	2,010
12	904	682	586	e820	2,640	1,010	4,400	834	17,300	1,760	1,810	2,000
13	861	670	576	e780	2,930	995	4,090	990	11,800	1,670	1,470	1,990
14	837	665	568	e750	3,020	989	3,700	3,460	11,800	1,620	1,080	2,330
15	827	665	592	e750	3,390	923	3,400	4,760	9,870	1,580	753	2,620
16	828	646	659	e750	3,490	886	3,200	3,430	9,480	1,520	1,580	2,690
17	825	609	676	e770	3,370	853	3,080	5,940	9,310	1,090	2,260	2,680
18	822	617	710	e820	3,380	778	3,030	5,470	8,260	949	2,290	2,910
19	821	644	1,920	e880	3,260	703	2,900	4,950	7,620	946	2,170	2,860
20	823	653	2,280	e950	3,190	691	2,830	4,670	5,160	1,160	3,010	2,350
21	828	662	2,100	e1,000	3,120	726	2,750	4,490	6,950	934	3,120	2,290
22	827	844	2,050	e1,050	3,080	773	2,680	4,370	6,920	766	1,340	2,310
23	816	892	2,080	e1,100	2,960	746	2,610	4,480	6,730	704	1,120	4,120
24	801	779	2,290	e1,200	2,750	1,230	2,570	4,430	5,730	648	947	2,420
25	799	755	2,510	e1,300	2,700	2,670	2,570	4,350	4,530	599	1,490	1,080
26	830	740	2,400	1,410	2,680	2,470	2,540	4,300	4,150	604	9,680	1,300
27	808	738	2,450	1,110	2,670	1,840	2,520	4,300	3,960	620	13,300	1,860
28	820	724	2,500	1,070	2,630	1,410	2,540	4,270	3,860	580	7,530	1,870
29	798	742	2,550	1,060	---	1,190	2,570	4,340	3,770	548	4,650	1,850
30	762	745	2,250	1,040	---	1,070	2,550	4,400	3,700	523	3,190	1,850
31	563	---	1,370	1,020	---	993	---	4,350	---	503	2,450	---
MEAN	1,041	689	1,302	952	2,406	1,144	2,689	3,115	9,415	1,574	2,687	2,003
MAX	2,430	892	2,550	1,410	3,490	2,670	5,200	5,940	32,700	3,590	13,300	4,120
MIN	563	518	568	735	955	691	765	799	3,700	503	481	941
AC-FT	64,000	40,980	80,080	58,540	133,600	70,350	160,000	191,500	560,200	96,760	165,200	119,200

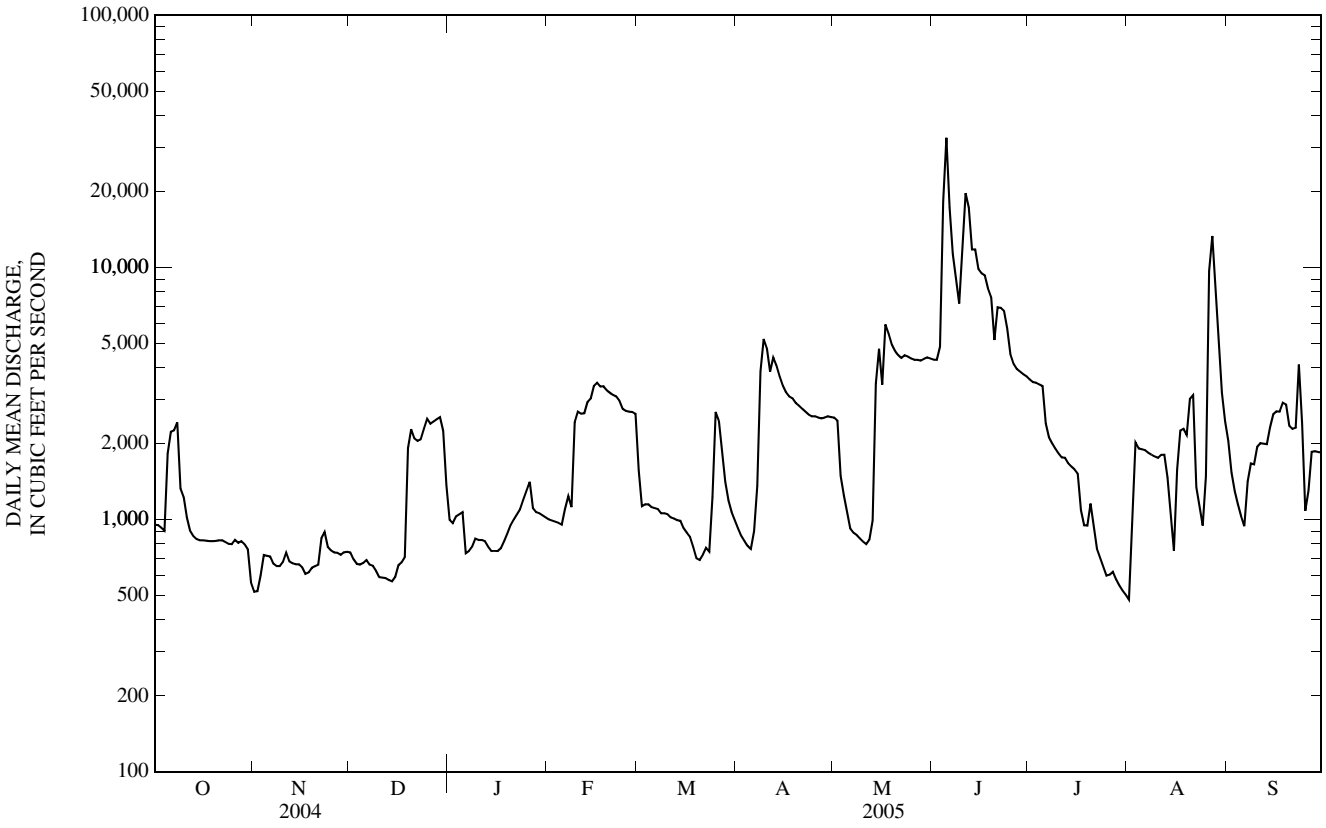
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920 - 2005, BY WATER YEAR (WY)

MEAN	3,879	2,947	2,420	1,947	3,109	4,672	5,778	7,351	10,380	8,743	5,227	4,714
MAX	39,030	35,430	14,410	9,735	14,320	23,240	32,710	30,610	64,620	98,420	50,300	32,530
(WY)	(1974)	(1974)	(1974)	(1974)	(1949)	(1973)	(1987)	(1987)	(1951)	(1951)	(1993)	(1951)
MIN	336	390	384	302	494	465	606	379	1,114	747	271	388
(WY)	(1957)	(1957)	(1957)	(1940)	(1957)	(1967)	(1956)	(1967)	(1966)	(1936)	(1934)	(1956)

06887500 KANSAS RIVER AT WAMEGO, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1920 - 2005	
ANNUAL MEAN	2,506		2,404		5,102	
HIGHEST ANNUAL MEAN					22,320	1993
LOWEST ANNUAL MEAN					1,135	1956
HIGHEST DAILY MEAN	24,300	Mar 10	32,700	Jun 5	393,000	Jul 13, 1951
LOWEST DAILY MEAN	518	Nov 1	481	Aug 1	116	Dec 14, 1940
ANNUAL SEVEN-DAY MINIMUM	590	Dec 9	551	Jul 26	171	Oct 5, 1956
MAXIMUM PEAK FLOW			37,600	Jun 5	400,000	Jul 13, 1951
MAXIMUM PEAK STAGE			14.91	Jun 5	30.56	Jul 13, 1951
INSTANTANEOUS LOW FLOW			459	Aug 1	73	Dec 14, 1940
ANNUAL RUNOFF (AC-FT)	1,819,000		1,740,000		3,696,000	
10 PERCENT EXCEEDS	5,310		4,450		12,100	
50 PERCENT EXCEEDS	1,420		1,340		2,300	
90 PERCENT EXCEEDS	694		670		781	

e Estimated



06887500 KANSAS RIVER AT WAMEGO, KS—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1970-74, 1999 to September 2005 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1969 to September 1974, July 1999 to September 2005.
pH: July 1999 to September 2005.
WATER TEMPERATURE: October 1969 to September 1974, July 1999 to September 2005.
DISSOLVED OXYGEN: July 1999 to September 2005.
TURBIDITY (YSI 6026 sensor): July 1999 to September 2005.
TURBIDITY (YSI 6136 sensor): May 2004 to September 2005.

INSTRUMENTATION.--Multiparameter water-quality monitor.

REMARKS.--Records good. Interruptions in record are due to ice conditions or malfunction of the recording instrument or sensors. Instruments used to measure turbidity conform to ISO 7027 standards and were made using Yellow Springs International (YSI) 6026 and 6136 sensors.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 2,100 microsiemens/cm, Oct. 25, 1971; minimum, 189 microsiemens/cm, June 16, 2004.
pH: Maximum, 9.7 standard units, Mar. 4, 2005; minimum, 7.1 standard units, Aug. 26, 2001.
WATER TEMPERATURE: Maximum, 35.0°C, July 22, 2005; minimum, -0.2°C, Feb. 15, 2001.
DISSOLVED OXYGEN: Maximum, 23.1 mg/L, Sept. 6, 2005; minimum, 3.3 mg/L, June 15, 2004.
TURBIDITY (YSI 6026 sensor): Maximum, 2,200 FNU, June 15, 2004; minimum, 5.3 FNU, Jan. 15, 2005.
TURBIDITY (YSI 6136 sensor): Maximum, >1,470 FNU, June 4, 2005; minimum, 3.3 FNU, Jan. 14, 2005.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 1,670 microsiemens/cm, Mar. 24; minimum, 205 microsiemens/cm, June 5.
pH: Maximum, 9.7 standard units, Mar. 4; minimum, 7.7 standard units, Aug. 27.
WATER TEMPERATURE: Maximum, 35.0°C, July 22; minimum, -0.1°C, Dec. 24.
DISSOLVED OXYGEN: Maximum, 23.1 mg/L, Sept. 6; minimum, 4.9 mg/L, Aug. 2.
TURBIDITY (YSI 6026 sensor): Maximum, 1,390 FNU, Aug. 20; minimum, 5.3 FNU, Jan. 15.
TURBIDITY (YSI 6136 sensor): Maximum, >1,470 FNU, June 4; minimum, 3.3 FNU, Jan. 14.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	881	783	835	1,260	1,040	1,150	979	945	962	---	874	---
2	908	880	897	1,300	1,240	1,270	988	941	966	970	---	---
3	884	832	850	1,470	1,060	1,270	1,010	988	1,000	981	921	959
4	885	824	859	1,060	1,020	1,040	1,000	973	989	1,010	966	992
5	841	520	639	1,030	1,010	1,020	990	954	972	1,040	984	1,020
6	529	493	504	1,020	1,010	1,020	978	956	963	1,080	1,020	1,060
7	518	490	499	1,060	1,020	1,040	987	957	971	1,060	920	1,020
8	551	507	522	1,080	1,060	1,080	983	964	974	920	771	854
9	840	514	664	1,100	1,080	1,090	1,030	965	987	945	813	885
10	894	731	781	1,110	1,000	1,070	1,090	1,030	1,070	1,220	945	1,040
11	864	752	807	1,060	992	1,020	1,100	1,090	1,100	1,160	1,100	1,120
12	920	858	889	1,090	1,020	1,060	1,120	1,090	1,100	1,190	1,130	1,150
13	949	920	938	1,090	1,080	1,080	1,090	1,080	1,090	1,260	1,190	1,230
14	955	944	950	1,090	1,070	1,080	1,100	1,050	1,090	1,250	1,180	1,220
15	955	947	951	1,100	1,080	1,090	1,090	1,020	1,070	1,250	999	1,150
16	962	955	958	1,120	1,090	1,100	1,020	928	979	1,060	1,000	1,030
17	967	957	961	1,170	1,120	1,160	947	926	935	1,060	1,010	1,040
18	974	948	962	1,160	1,110	1,140	943	927	935	1,070	1,020	1,050
19	960	939	952	1,160	1,120	1,140	1,220	735	832	1,020	965	984
20	964	944	958	1,130	1,120	1,120	741	725	733	967	886	935
21	975	961	968	1,150	1,130	1,140	810	726	766	917	887	906
22	975	953	965	1,150	954	1,020	832	810	825	979	899	942
23	977	960	969	963	907	934	817	760	797	1,010	882	963
24	984	967	976	907	820	852	811	707	757	920	844	879
25	987	971	979	930	871	916	723	695	712	1,050	855	959
26	979	949	959	938	922	930	729	706	715	1,130	1,050	1,100
27	971	943	956	934	911	923	736	727	731	1,100	1,080	1,090
28	989	874	966	929	912	923	745	734	739	1,080	1,020	1,060
29	993	977	987	936	926	933	764	744	752	1,020	981	999
30	1,030	993	1,010	951	933	943	810	764	791	981	955	970
31	1,040	964	989	---	---	---	886	775	858	956	914	937
MONTH	1,040	490	874	1,470	820	1,050	1,220	695	908	1,260	771	1,020

06887500 KANSAS RIVER AT WAMEGO, KS—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	925	911	916	921	641	774	942	900	918	616	605	610
2	950	925	942	969	921	958	966	942	957	624	607	612
3	965	946	955	960	907	932	1,000	966	990	930	623	804
4	964	951	957	937	916	929	1,040	1,000	1,030	951	930	941
5	990	964	983	940	929	935	1,080	1,030	1,060	1,040	945	968
6	987	905	941	945	910	934	1,060	946	1,010	1,090	1,040	1,080
7	912	870	894	945	923	939	1,050	743	926	1,090	1,050	1,070
8	912	875	900	966	945	960	922	621	720	1,100	1,020	1,070
9	904	646	747	976	957	967	621	510	534	1,110	936	1,050
10	658	625	643	968	956	962	593	516	536	1,070	904	993
11	684	648	667	963	953	958	617	492	554	1,160	1,040	1,120
12	705	620	672	990	949	970	557	502	534	1,140	994	1,090
13	622	591	605	991	977	985	551	530	544	1,090	917	1,010
14	606	573	589	1,020	969	1,000	550	532	544	1,080	462	812
15	618	579	592	1,020	938	993	535	525	532	773	425	584
16	632	583	617	1,020	954	996	563	531	549	770	575	661
17	583	558	564	1,010	978	995	564	534	552	730	506	567
18	569	557	564	1,100	1,010	1,050	570	548	561	514	495	504
19	571	560	566	1,160	1,100	1,140	589	560	578	505	471	489
20	569	560	564	1,190	1,060	1,150	590	582	587	478	459	467
21	563	558	561	1,200	1,090	1,150	588	582	584	479	464	469
22	573	563	568	1,160	1,080	1,130	596	580	588	479	450	470
23	582	566	575	1,160	1,100	1,130	594	588	590	475	451	465
24	599	568	587	1,670	1,150	1,320	595	589	592	472	455	459
25	607	598	602	1,570	708	996	592	579	586	465	454	460
26	617	607	611	708	597	633	595	582	588	461	432	450
27	628	615	618	622	597	614	601	590	594	447	436	442
28	641	625	632	705	611	651	604	598	601	453	443	449
29	---	---	---	798	705	753	609	599	603	455	444	450
30	---	---	---	829	798	818	609	600	605	458	443	450
31	---	---	---	900	829	860	---	---	---	450	441	446
MONTH	990	557	701	1,670	597	954	1,080	492	672	1,160	425	694

06887500 KANSAS RIVER AT WAMEGO, KS—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	444	437	441	619	598	611	1,370	1,280	1,340	617	589	604
2	441	427	437	628	559	607	1,400	1,010	1,240	679	567	628
3	453	427	437	643	576	616	1,080	960	1,020	755	679	718
4	661	228	368	649	580	624	1,030	658	819	812	752	782
5	242	205	220	620	561	593	658	585	606	840	773	822
6	348	216	291	744	567	681	596	571	586	882	748	829
7	412	342	362	785	716	756	583	555	572	877	646	746
8	443	411	426	800	764	784	579	547	564	660	605	622
9	458	438	451	828	800	820	577	558	565	636	614	624
10	453	288	341	843	822	833	580	564	573	640	567	590
11	319	247	285	834	802	820	583	573	577	590	572	579
12	278	248	258	812	619	766	578	574	576	592	577	585
13	369	277	322	774	720	760	682	558	612	600	578	588
14	373	326	345	753	---	---	831	682	728	597	518	540
15	443	343	405	---	---	---	1,220	831	1,070	528	489	506
16	432	418	424	---	---	---	1,260	681	952	516	500	507
17	429	414	420	970	783	871	830	585	745	514	498	505
18	433	411	421	1,050	970	1,020	585	495	526	516	479	492
19	419	411	416	1,050	1,030	1,040	563	513	538	494	479	485
20	534	413	467	1,250	964	1,080	577	283	502	575	487	543
21	501	406	422	1,030	843	928	527	256	367	574	558	564
22	436	409	418	---	1,030	---	563	511	534	571	559	563
23	456	431	439	1,250	1,130	1,200	699	563	614	568	420	488
24	537	456	475	1,320	1,220	1,280	800	694	731	704	469	610
25	627	537	600	1,370	1,300	1,340	1,320	787	949	886	704	781
26	590	500	528	1,340	1,270	1,310	1,250	260	450	1,020	640	861
27	543	504	525	1,280	1,220	1,250	309	231	262	642	606	616
28	586	533	568	1,280	1,220	1,250	415	309	381	616	604	611
29	609	584	599	1,350	1,250	1,310	444	408	420	628	611	619
30	616	590	605	1,410	1,330	1,360	524	442	475	630	619	624
31	---	---	---	1,410	1,350	1,370	622	524	593	---	---	---
MONTH	661	205	424	1,410	559	959	1,400	231	661	1,020	420	621
YEAR	1,670	205	794									

06887500 KANSAS RIVER AT WAMEGO, KS—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	8.9	8.4	8.7	8.6	8.3	8.4	8.6	8.4	8.5	---	---	---
2	8.8	8.4	8.6	8.6	8.4	8.5	8.6	8.4	8.5	---	---	---
3	8.8	8.4	8.6	8.7	8.4	8.5	8.6	8.4	8.5	8.6	8.5	8.5
4	8.9	8.4	8.7	8.6	8.4	8.5	8.6	8.4	8.5	8.6	8.5	8.5
5	8.8	8.3	8.5	8.6	8.4	8.5	8.5	8.4	8.4	8.6	8.5	8.5
6	8.5	8.3	8.4	8.7	8.4	8.5	8.5	8.3	8.4	8.6	8.5	8.5
7	8.5	8.3	8.4	8.7	8.4	8.6	8.6	8.3	8.4	8.6	8.5	8.5
8	8.5	8.3	8.4	8.8	8.4	8.6	8.6	8.4	8.5	8.6	8.5	8.6
9	8.9	8.4	8.6	8.8	8.4	8.6	8.6	8.5	8.6	8.6	8.5	8.5
10	8.8	8.5	8.7	8.7	8.5	8.5	8.7	8.5	8.6	8.5	8.4	8.5
11	8.9	8.5	8.7	8.7	8.4	8.5	8.7	8.5	8.6	8.5	8.4	8.4
12	8.8	8.6	8.7	8.7	8.4	8.6	8.8	8.5	8.6	8.4	8.3	8.4
13	8.8	8.5	8.6	8.7	8.5	8.6	8.7	8.6	8.6	8.4	8.3	8.4
14	8.7	8.5	8.6	8.7	8.5	8.6	8.7	8.5	8.6	8.4	8.3	8.4
15	8.7	8.4	8.6	8.7	8.4	8.6	8.6	8.5	8.5	8.4	8.3	8.3
16	8.6	8.5	8.6	8.7	8.4	8.6	8.6	8.4	8.5	8.4	8.3	8.4
17	8.7	8.4	8.6	8.7	8.4	8.6	8.6	8.4	8.5	8.4	8.3	8.4
18	8.8	8.5	8.6	8.6	8.4	8.5	8.6	8.4	8.5	8.4	8.3	8.4
19	8.9	8.5	8.7	8.6	8.4	8.5	8.6	8.3	8.4	8.4	8.3	8.4
20	8.8	8.5	8.7	8.7	8.4	8.5	8.5	8.5	8.5	8.5	8.3	8.4
21	8.8	8.5	8.6	8.7	8.5	8.6	8.5	8.5	8.5	8.5	8.4	8.4
22	8.8	8.5	8.7	8.6	8.5	8.6	8.6	8.5	8.5	8.5	8.4	8.5
23	8.9	8.5	8.7	8.6	8.4	8.5	8.6	8.5	8.5	8.5	8.4	8.5
24	8.8	8.6	8.7	8.5	8.4	8.4	8.6	8.5	8.5	8.5	8.5	8.5
25	8.8	8.5	8.7	8.5	8.3	8.4	8.5	8.5	8.5	8.6	8.5	8.5
26	8.7	8.4	8.6	8.5	8.3	8.4	8.5	8.5	8.5	8.6	8.4	8.5
27	8.7	8.4	8.5	8.6	8.4	8.4	8.5	8.5	8.5	8.6	8.4	8.5
28	8.7	8.3	8.5	8.5	8.4	8.5	8.5	8.5	8.5	8.5	8.4	8.5
29	8.8	8.4	8.6	8.5	8.4	8.5	8.5	8.5	8.5	8.6	8.4	8.5
30	8.7	8.5	8.6	8.6	8.4	8.5	8.5	8.5	8.5	8.6	8.4	8.5
31	8.7	8.4	8.5	---	---	---	8.5	8.5	8.5	8.7	8.4	8.5
MAX	8.9	8.6	8.7	8.8	8.5	8.6	8.8	8.6	8.6	8.7	8.5	8.6
MIN	8.5	8.3	8.4	8.5	8.3	8.4	8.5	8.3	8.4	8.4	8.3	8.3

06887500 KANSAS RIVER AT WAMEGO, KS—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.7	8.5	8.6	8.9	8.8	8.9	8.8	8.5	8.6	8.7	8.7	8.7
2	8.7	8.6	8.6	9.3	8.8	8.9	8.9	8.6	8.7	8.7	8.6	8.7
3	8.7	8.6	8.6	9.4	8.8	9.0	9.1	8.7	8.9	8.7	8.6	8.7
4	8.8	8.6	8.7	9.7	8.8	9.0	9.2	8.8	9.0	8.8	8.6	8.7
5	8.9	8.6	8.7	9.3	8.8	9.0	9.1	8.8	8.9	8.9	8.5	8.7
6	8.8	8.6	8.7	9.3	8.8	9.1	9.0	8.7	8.9	9.3	8.6	8.9
7	8.8	8.6	8.7	9.2	8.9	9.1	8.8	8.5	8.7	9.5	8.7	9.0
8	8.8	8.6	8.7	9.1	8.9	9.0	8.8	8.4	8.6	9.2	8.8	9.0
9	8.7	8.6	8.6	9.1	8.8	9.0	8.6	8.5	8.5	9.0	8.7	8.8
10	8.6	8.6	8.6	9.4	8.9	9.0	8.6	8.6	8.6	9.1	8.6	8.8
11	8.7	8.6	8.6	9.4	8.8	9.0	8.6	8.2	8.3	9.0	8.7	8.8
12	8.6	8.6	8.6	9.5	8.8	9.1	8.7	8.3	8.6	9.2	8.7	8.9
13	8.6	8.6	8.6	9.1	8.8	8.9	8.6	8.6	8.6	9.0	8.5	8.6
14	8.6	8.6	8.6	9.2	8.8	9.0	8.7	8.6	8.6	8.9	8.1	8.3
15	8.6	8.6	8.6	9.2	8.8	9.0	8.7	8.7	8.7	8.3	8.1	8.2
16	8.6	8.6	8.6	9.3	8.8	9.0	8.8	8.7	8.7	8.3	8.2	8.3
17	8.6	8.6	8.6	9.3	8.9	9.1	8.8	8.7	8.7	8.9	8.3	8.4
18	8.6	8.6	8.6	9.2	8.8	9.0	8.7	8.7	8.7	8.5	8.4	8.5
19	8.7	8.6	8.6	9.1	8.8	8.9	8.8	8.7	8.7	8.5	8.3	8.4
20	8.7	8.6	8.6	9.1	8.8	8.9	8.8	8.6	8.7	8.5	8.3	8.4
21	8.7	8.6	8.7	9.0	8.8	8.9	8.8	8.7	8.8	8.6	8.4	8.5
22	8.7	8.7	8.7	8.9	8.8	8.8	8.9	8.8	8.8	8.6	8.5	8.5
23	8.8	8.7	8.7	9.2	8.7	9.0	8.9	8.8	8.8	8.6	8.5	8.6
24	8.8	8.6	8.7	9.0	8.6	8.8	8.8	8.7	8.8	8.5	8.4	8.4
25	8.9	8.7	8.8	8.6	8.4	8.4	8.7	8.6	8.6	8.5	8.4	8.4
26	8.9	8.8	8.8	8.4	8.4	8.4	8.7	8.6	8.6	8.5	8.4	8.4
27	8.9	8.8	8.8	8.5	8.4	8.5	8.7	8.6	8.6	8.4	8.4	8.4
28	8.9	8.8	8.9	8.6	8.5	8.5	8.7	8.6	8.7	8.4	8.3	8.4
29	---	---	---	8.6	8.5	8.5	8.7	8.6	8.7	8.4	8.3	8.4
30	---	---	---	8.6	8.4	8.5	8.7	8.6	8.7	8.5	8.4	8.4
31	---	---	---	8.6	8.5	8.5	---	---	---	8.4	8.4	8.4
MAX	8.9	8.8	8.9	9.7	8.9	9.1	9.2	8.8	9.0	9.5	8.8	9.0
MIN	8.6	8.5	8.6	8.4	8.4	8.4	8.6	8.2	8.3	8.3	8.1	8.2

06887500 KANSAS RIVER AT WAMEGO, KS—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.4	8.4	8.4	8.4	8.2	8.3	8.7	8.4	8.5	8.3	8.1	8.2
2	8.4	8.4	8.4	8.4	8.2	8.3	8.8	8.4	8.6	8.3	8.1	8.3
3	8.5	8.4	8.4	8.3	8.2	8.3	8.8	8.4	8.6	8.4	8.2	8.3
4	8.4	8.1	8.2	8.4	8.2	8.3	8.8	8.4	8.6	8.7	8.4	8.4
5	8.3	8.0	8.0	8.4	8.2	8.3	8.8	8.5	8.7	8.8	8.6	8.6
6	8.0	7.8	7.9	8.6	8.2	8.4	8.8	8.5	8.6	8.8	8.5	8.6
7	7.9	7.8	7.9	8.7	8.2	8.4	8.8	8.6	8.7	8.7	8.5	8.5
8	8.1	7.9	8.0	8.7	8.2	8.5	8.9	8.6	8.7	8.7	8.2	8.5
9	8.2	8.1	8.2	8.8	8.2	8.5	8.9	8.6	8.8	8.7	8.2	8.4
10	8.3	8.0	8.1	8.8	8.2	8.6	8.7	8.5	8.6	8.5	8.3	8.4
11	8.1	7.9	8.0	8.8	8.2	8.6	8.8	8.5	8.6	8.4	8.3	8.3
12	8.1	7.9	8.0	8.7	8.2	8.5	8.7	8.4	8.5	8.4	8.2	8.3
13	8.1	8.0	8.0	8.8	8.1	8.5	8.7	8.4	8.5	8.4	8.2	8.3
14	8.0	7.9	7.9	8.8	8.2	8.6	8.9	8.5	8.6	8.3	8.2	8.2
15	8.2	8.0	8.1	---	8.3	---	9.1	8.7	8.9	8.3	8.2	8.3
16	8.2	8.1	8.2	9.3	8.3	8.7	8.9	8.6	8.8	8.3	8.2	8.3
17	8.3	8.2	8.2	9.2	8.5	8.8	8.7	8.4	8.6	8.4	8.3	8.3
18	8.3	8.2	8.3	8.8	8.5	8.7	8.4	8.2	8.2	8.3	8.2	8.2
19	8.3	8.1	8.2	8.8	8.5	8.6	8.3	8.2	8.2	8.2	8.0	8.0
20	8.4	8.2	8.3	8.8	8.4	8.6	8.3	7.8	8.3	8.2	8.0	8.1
21	8.4	8.3	8.3	8.8	8.3	8.5	8.1	7.8	7.9	8.2	8.0	8.1
22	8.3	8.3	8.3	8.6	8.2	8.3	8.2	8.0	8.1	8.2	8.1	8.1
23	8.4	8.3	8.3	8.6	8.2	8.4	8.4	8.2	8.2	8.2	8.0	8.1
24	8.4	8.3	8.3	8.6	8.3	8.4	8.6	8.3	8.4	8.3	7.9	8.0
25	8.4	8.3	8.4	8.6	8.4	8.5	8.6	8.2	8.5	8.4	8.1	8.1
26	8.3	8.2	8.3	8.6	8.3	8.4	8.2	7.7	7.8	8.4	8.2	8.3
27	8.2	7.8	8.1	8.8	8.4	8.6	7.9	7.7	7.8	8.3	8.1	8.2
28	8.7	7.8	8.4	8.7	8.3	8.5	7.8	7.7	7.8	8.4	8.1	8.2
29	8.8	8.4	8.5	8.7	8.2	8.4	7.9	7.7	7.8	8.4	8.2	8.3
30	8.4	8.2	8.3	8.7	8.3	8.4	8.0	7.8	7.9	8.3	8.1	8.2
31	---	---	---	8.7	8.4	8.6	8.1	8.0	8.0	---	---	---
MAX	8.8	8.4	8.5	9.3	8.5	8.8	9.1	8.7	8.9	8.8	8.6	8.6
MIN	7.9	7.8	7.9	8.3	8.1	8.3	7.8	7.7	7.8	8.2	7.9	8.0

YEAR				
	MAX	MAXIMUM 9.7	MINIMUM 7.8	
	MIN	MAXIMUM 8.9	MINIMUM 7.7	
	MEDIAN	MAXIMUM 9.1	MINIMUM 7.8	

06887500 KANSAS RIVER AT WAMEGO, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	20.9	16.8	19.4	16.1	14.1	15.1	5.5	2.0	3.7	7.6	5.8	6.6
2	19.3	13.6	16.5	14.1	10.4	12.1	5.8	2.5	4.1	7.6	4.6	6.3
3	20.6	14.2	17.3	10.4	8.6	9.4	5.1	2.4	3.8	4.6	2.9	3.8
4	20.2	16.3	18.3	12.3	8.0	10	7.0	3.0	4.8	2.9	0.0	1.4
5	19.6	15.2	17.5	13.0	7.7	10.4	5.6	3.8	4.7	0.0	0.0	0.0
6	19.2	16.9	18.1	14.5	9.7	12.0	6.8	5.6	6.2	0.3	0.0	0.0
7	19.6	18.3	18.8	14.4	10.0	12.2	7.3	5.3	6.2	0.2	0.0	0.0
8	21.8	18.0	19.8	13.2	9.3	11.3	6.8	4.2	5.5	0.2	0.0	0.1
9	21.5	17.6	19.6	14.0	10.1	11.9	8.0	4.4	6.1	0.6	0.0	0.1
10	19.6	17.0	18.4	12.4	10.3	10.8	6.5	4.2	5.3	0.1	0.0	0.0
11	18.3	15.9	17.0	10.6	7.9	9.2	6.2	2.9	4.4	0.1	0.0	0.0
12	16.4	14.7	15.5	10.2	6.9	8.4	6.4	4.2	5.1	0.2	0.0	0.1
13	16.4	14.1	15.3	8.8	6.1	7.5	4.4	1.7	3.1	0.6	0.0	0.1
14	15.1	11.0	13.2	9.7	6.1	7.8	3.1	-0.1	1.4	0.2	0.0	0.0
15	13.3	11.3	12.4	10.8	8.5	9.6	3.2	0.2	1.6	0.1	0.0	0.0
16	14.9	10.0	12.4	13.8	10.4	12.2	5.2	1.3	3.1	0.3	0.0	0.1
17	16.4	11.1	13.8	16.3	13.7	14.7	5.6	1.9	3.9	0.3	0.0	0.1
18	15.6	13.8	14.7	15.1	14.4	14.7	6.7	3.5	5.0	0.3	0.0	0.1
19	17.9	13.8	15.4	14.6	12.1	13.4	4.7	1.8	2.9	0.6	0.0	0.1
20	15.7	14.2	14.7	12.8	10.1	11.6	4.0	0.9	2.4	0.7	0.0	0.2
21	16.1	13.9	14.7	10.1	8.3	9.1	3.5	2.3	2.9	0.2	0.0	0.1
22	19.6	15.8	17.8	9.4	7.6	8.5	2.3	-0.1	0.7	0.6	0.0	0.2
23	18.9	15.4	17.2	9.4	7.4	9.0	0.1	-0.1	-0.1	0.5	0.0	0.1
24	17.7	13.1	15.5	8.1	5.7	6.8	-0.1	-0.1	-0.1	0.8	0.0	0.2
25	17.5	13.5	15.6	8.6	4.7	6.7	0.9	-0.1	0.3	0.6	0.0	0.2
26	18.3	15.9	17.0	10.2	7.1	8.8	2.9	0.5	1.5	2.7	0.4	1.5
27	18.2	16.9	17.5	10.0	6.8	8.5	3.3	1.1	2.2	2.2	1.2	1.8
28	21.8	17.4	19.2	6.8	4.8	5.6	5.1	2.4	3.6	3.1	1.2	2.0
29	22.1	18.2	20.3	4.8	3.6	4.2	5.1	2.5	3.8	4.1	1.7	2.9
30	18.2	12.6	14.9	6.0	3.1	4.2	9.2	4.4	6.7	4.0	3.0	3.5
31	14.7	11.8	13.6	---	---	---	7.8	5.5	6.7	3.9	3.1	3.4
MONTH	22.1	10.0	16.5	16.3	3.1	9.9	9.2	-0.1	3.6	7.6	0.0	1.1

06887500 KANSAS RIVER AT WAMEGO, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3.9	3.0	3.3	6.8	1.4	4.0	14.4	7.8	11.0	16.8	12.5	14.5
2	4.6	1.8	3.1	9.0	2.8	5.8	15.6	8.5	12.1	16.7	11.9	14.2
3	6.5	1.3	3.8	10.8	5.1	7.9	18.5	11.0	14.5	19.0	11.7	15.1
4	8.0	2.8	5.3	12.0	6.3	9.2	20.4	13.4	16.8	20.2	13.7	16.9
5	8.1	4.1	6.2	12.6	7.0	9.8	18.3	16.1	16.9	20.4	14.7	17.4
6	7.0	5.8	6.4	13.6	7.8	10.8	16.2	14.4	15.1	23.1	16.2	19.4
7	5.8	1.8	3.6	12.5	8.6	10.8	18.5	12.2	15.2	20.8	17.9	18.8
8	1.8	-0.1	0.4	8.6	6.2	7.4	16.2	13.8	14.9	23.4	17.3	20.0
9	1.1	-0.1	0.3	8.6	5.9	7.0	15.7	13.0	14.2	24.7	17.5	21.1
10	3.4	0.0	1.4	10.2	5.6	7.6	14.8	13.4	13.9	27.3	19.6	23.3
11	4.6	1.1	2.7	11.0	5.3	8.2	16.8	13.4	14.8	25.1	21.4	23.2
12	3.5	2.5	3.0	13.6	7.6	10.2	15.3	12.2	13.6	25.2	19.4	21.4
13	4.6	3.5	4.0	11.5	6.5	9.2	14.3	12.0	12.8	20.9	18.6	19.6
14	5.6	2.8	4.2	11.8	6.6	9.2	15.8	11.4	13.5	20.4	17.2	18.9
15	6.0	3.9	4.9	10.7	6.6	8.6	16.4	12.6	14.3	21.2	17.1	18.9
16	5.2	3.4	4.3	12.8	6.5	9.5	16.9	13.9	15.3	21.9	17.5	19.6
17	5.8	3.0	4.2	12.3	7.2	9.8	18.2	14.0	15.9	20.2	18.5	19.3
18	5.6	3.1	4.3	13.2	7.7	10.0	18.2	15.1	16.4	20.0	17.7	18.8
19	4.6	4.3	4.4	12.0	5.8	8.9	19.2	15.7	17.2	22.6	17.8	20.1
20	6.5	4.6	5.3	12.4	6.7	9.5	20.0	16.4	17.9	23.0	19.0	21.0
21	5.8	4.3	4.9	10.1	7.4	8.4	21.0	17.4	18.8	23.1	19.2	21.2
22	5.1	4.0	4.5	7.4	5.7	6.4	18.1	14.7	16.2	22.3	19.8	21.1
23	5.3	---	---	11.1	5.2	8.0	17.2	12.5	14.8	23.2	19.4	21.2
24	6.8	3.3	4.9	9.2	7.6	8.0	18.1	12.6	15.3	22.8	19.7	21.3
25	7.7	3.5	5.5	7.7	6.8	7.2	16.3	13.7	14.7	23.1	19.5	21.2
26	7.3	4.5	5.9	8.1	6.5	7.2	14.6	12.2	13.5	23.1	18.8	20.9
27	6.3	4.5	5.6	12.4	5.9	8.9	15.8	11.8	13.9	21.5	19.4	20.0
28	4.8	3.0	3.8	14.5	8.0	11.2	14.9	12.9	13.7	22.4	18.5	20.4
29	---	---	---	16.6	11.1	13.8	13.4	11.9	12.6	23.1	19.2	21.0
30	---	---	---	14.9	10.5	12.9	16.5	10.8	13.4	21.1	19.0	19.7
31	---	---	---	11.2	8.7	10.1	---	---	---	22.3	19.0	20.5
MONTH	8.1	-0.1	4.1	16.6	1.4	8.9	21.0	7.8	14.8	27.3	11.7	19.7

06887500 KANSAS RIVER AT WAMEGO, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.4	19.6	20.9	27.6	23.3	25.2	31.4	25.5	28.5	28.0	25.1	26.6
2	21.4	19.7	20.6	27.8	24.6	26.1	31.1	25.9	28.6	26.8	24.2	25.5
3	20.8	18.9	19.5	26.8	24.1	25.4	30.4	26.3	28.4	28.8	23.7	26.2
4	19.6	18.1	18.9	28.0	23.2	25.3	29.9	26.4	27.9	29.1	24.6	26.7
5	20.2	18.5	19.3	28.0	24.8	26.3	26.4	24.3	25.3	27.5	24.0	25.9
6	22.7	20.1	21.3	29.2	24.2	26.6	29.4	23.3	26.2	27.3	23.4	25.4
7	24.6	22.2	23.3	29.4	24.7	27.2	29.5	25.7	27.7	28.7	24.3	26.3
8	25.7	23.5	24.5	29.6	25.0	27.4	31.3	26.5	28.8	27.6	24.9	26.1
9	24.1	22.2	22.8	29.9	25.3	27.5	31.0	26.6	28.8	27.3	23.7	25.4
10	22.4	20.2	21.0	30.2	25.4	27.8	31.2	26.6	28.8	26.5	23.1	24.8
11	22.2	20.6	21.4	31.4	25.9	28.6	30.1	26.9	28.5	26.2	22.9	24.6
12	22.4	21.4	21.8	30.1	27.1	28.2	28.7	26.6	27.5	26.9	24.1	25.3
13	23.1	20.7	21.8	30.6	25.4	28.1	26.6	23.0	25.0	26.5	23.9	25.0
14	23.4	21.2	22.3	31.8	26.2	28.9	24.4	21.4	22.8	25.1	22.2	23.7
15	24.4	22.0	23.1	---	26.9	---	26.5	21.1	23.9	23.3	21.3	22.3
16	24.8	22.8	23.7	32.5	27.2	29.8	27.2	23.9	25.4	25.1	21.2	22.9
17	24.4	22.3	23.4	31.6	26.8	29.3	28.5	25.1	26.6	23.6	21.4	22.6
18	24.5	21.9	23.3	31.1	26.3	28.8	30.4	25.5	27.9	26.0	21.6	23.8
19	24.9	22.0	23.4	29.5	25.3	27.6	28.9	26.3	27.5	25.9	23.7	24.8
20	27.8	22.7	25.1	31.8	25.9	28.9	29.0	25.0	26.6	27.2	22.7	24.8
21	25.8	22.9	24.1	33.2	27.2	30.1	28.2	24.8	26.3	27.0	23.5	25.2
22	26.3	23.1	24.6	35.0	28.5	31.7	28.4	25.9	26.9	26.2	23.3	24.6
23	25.9	22.8	24.5	34.2	28.8	31.6	26.2	23.8	24.8	23.7	20.6	21.6
24	26.2	23.0	24.6	32.7	27.7	30.4	25.8	22.4	23.9	25.6	21.1	23.1
25	27.3	24.3	25.7	32.2	27.3	29.9	26.4	23.5	24.8	28.0	23.1	25.3
26	27.5	24.5	25.9	30.1	23.4	26.4	25.3	22.7	24.2	26.2	22.8	24.5
27	27.4	24.4	25.8	27.6	20.9	24.2	25.6	23.2	24.4	24.6	20.6	22.8
28	26.9	24.3	25.6	29.7	22.1	26.0	26.0	24.8	25.3	23.0	18.7	21.0
29	26.8	24.5	25.6	30.5	24.1	27.4	27.5	23.8	25.6	21.2	16.9	19.0
30	25.8	23.8	24.4	30.1	24.3	27.4	29.2	25.1	27.0	21.9	17.7	19.8
31	---	---	---	30.0	24.6	27.6	29.6	25.4	27.4	---	---	---
MONTH	27.8	18.1	23.1	35.0	20.9	27.9	31.4	21.1	26.5	29.1	16.9	24.2
YEAR	35.0	-0.1	15.1									

06887500 KANSAS RIVER AT WAMEGO, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	10.4	7.8	8.8	13.5	12.4	12.9	---	---	---
2	---	---	---	11.1	8.7	9.8	13.3	12.3	12.8	---	---	---
3	---	---	---	12.3	10.0	10.9	13.7	12.4	13.0	---	---	---
4	---	---	---	11.5	10.2	10.8	13.4	12.5	12.8	14.9	13.4	14.0
5	---	---	---	11.4	10.0	10.7	13.0	12.0	12.5	15.3	14.4	14.9
6	---	---	---	11.8	9.6	10.5	13.1	11.4	12.1	15.6	14.9	15.2
7	---	---	---	12.2	9.5	10.6	13.9	11.5	12.6	15.6	15.0	15.4
8	---	---	---	13.0	9.8	11.1	13.7	12.3	12.9	15.7	15.1	15.4
9	---	---	---	12.2	9.8	10.9	13.6	12.1	12.7	15.7	14.8	15.2
10	---	---	---	10.8	9.5	10.1	14.6	12.0	13.0	15.4	14.8	15.1
11	---	---	---	13.0	10.0	11.5	15.0	13.1	13.8	15.2	14.2	14.8
12	11.7	---	---	13.3	10.9	11.9	15.0	12.6	13.6	15.2	14.4	14.8
13	11.4	8.3	9.6	13.8	11.3	12.3	15.3	13.2	14.2	15.7	14.2	14.9
14	11.1	8.9	9.9	14.0	11.6	12.5	15.8	14.6	15.2	16.2	14.6	15.5
15	11.1	9.1	10.0	12.9	10.7	11.6	15.7	14.7	15.2	16.8	15.9	16.2
16	11.3	9.6	10.3	12.4	9.7	10.8	15.3	14.1	14.7	16.8	16.2	16.6
17	11.5	9.3	10.2	12.0	8.7	9.9	15.0	13.6	14.2	16.8	16.0	16.3
18	12.4	8.6	10.1	10.5	8.3	9.2	14.4	13.1	13.6	16.5	15.8	16.2
19	12.9	8.8	10.6	11.0	8.3	9.5	14.2	13.0	13.7	16.4	15.3	15.8
20	11.8	8.7	10.0	11.9	9.3	10.4	14.5	13.7	14.2	16.3	15.7	16.0
21	12.8	8.9	10.4	12.5	10.2	11.2	14.2	13.7	13.9	16.0	15.3	15.7
22	11.8	8.3	9.6	12.0	10.5	11.2	15.8	14.2	15.1	16.6	15.4	16.0
23	12.9	8.0	10.0	11.2	9.7	10.3	16.2	15.6	16.0	16.8	16.1	16.4
24	11.9	8.8	10.2	11.3	10.2	10.8	16.3	15.9	16.2	16.6	15.8	16.2
25	12.1	8.8	10.1	11.4	10.5	11.0	16.1	15.4	15.8	16.1	15.1	15.7
26	11.8	8.5	9.6	10.9	9.8	10.4	15.4	14.8	15.1	15.6	14.8	15.2
27	11.2	8.0	9.2	11.2	9.6	10.5	15.2	14.6	14.9	15.4	14.6	15.0
28	10.2	7.8	8.8	12.0	10.8	11.3	14.6	14.0	14.4	15.3	14.8	15.1
29	9.3	7.2	8.2	12.8	11.5	12.1	14.6	14.1	14.3	15.1	14.3	14.8
30	11.2	7.4	9.4	13.1	12.1	12.5	14.1	12.3	13.1	14.6	13.7	14.1
31	10.8	8.4	9.4	---	---	---	13.1	12.3	12.7	14.3	13.6	13.9
MONTH	12.9	7.2	9.8	14.0	7.8	10.8	16.3	11.4	13.9	16.8	13.4	15.4

06887500 KANSAS RIVER AT WAMEGO, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	14.3	13.0	13.6	14.2	12.9	13.6	12.0	10.7	11.3	11.4	10.6	10.9
2	14.3	13.2	13.7	14.0	12.4	13.2	12.8	10.6	11.6	11.4	10.5	10.9
3	14.1	13.1	13.7	13.5	11.7	12.7	13.9	10.2	11.7	11.6	10.1	11.0
4	13.8	12.7	13.2	13.6	11.3	12.2	14.5	9.4	11.7	12.1	9.9	10.9
5	13.4	12.2	12.7	13.5	11.0	12.1	14.6	8.6	10.8	12.1	9.5	10.7
6	13.4	11.5	12.3	12.8	10.0	11.3	12.8	9.1	10.7	---	---	---
7	14.9	12.1	13.4	13.0	9.6	11.2	12.8	9.4	10.9	---	---	---
8	15.5	13.8	14.6	13.7	10.9	12.3	10.3	9.0	9.8	---	---	---
9	15.3	14.4	14.9	13.8	11.6	12.6	10.3	9.9	10.1	---	---	---
10	14.8	13.9	14.4	13.2	11.1	12.2	10.3	10.2	10.3	---	---	---
11	14.4	13.7	14.0	12.9	10.9	11.9	10.3	8.9	9.5	---	---	---
12	13.9	13.3	13.7	12.9	10.4	11.3	10.9	9.0	10.2	---	---	---
13	13.3	12.9	13.0	12.9	10.3	11.6	11.2	10.9	11.0	---	---	---
14	13.3	12.8	13.1	13.6	10.6	12.0	11.7	11.0	11.4	---	---	---
15	13.1	12.6	12.9	13.8	10.8	12.2	11.8	11.1	11.4	---	---	---
16	13.2	12.7	13.0	13.4	10.8	12.1	12.0	11.1	11.5	---	---	---
17	13.4	12.8	13.2	12.0	10.4	11.2	12.0	10.9	11.4	---	---	---
18	13.4	12.9	13.2	12.3	9.9	11.1	11.2	9.4	10.5	---	---	---
19	13.2	12.7	13.0	13.1	10.5	11.8	11.3	9.6	10.4	---	---	---
20	12.7	12.6	12.7	12.9	10.3	11.6	10.6	9.4	10	---	---	---
21	13.0	12.5	12.8	12.5	9.5	10.8	10.8	9.3	9.9	---	---	---
22	13.3	12.8	13.1	13.3	10.8	11.9	11.1	9.5	10.4	---	---	---
23	13.3	12.8	13.1	15.2	11.6	13.1	11.8	10.2	11.0	---	---	---
24	13.4	12.8	13.1	13.6	10.6	11.8	11.6	10.2	10.9	9.5	8.7	9.0
25	13.5	12.6	13.1	10.8	10.3	10.6	10.9	9.9	10.4	9.6	8.9	9.2
26	13.4	12.6	13.0	11.2	10.8	11.1	11.2	10.3	10.8	9.6	8.9	9.2
27	13.4	12.5	12.9	11.5	10.4	11.0	11.3	10.4	10.9	9.4	8.9	9.2
28	14.1	13.0	13.6	10.9	9.8	10.5	11.3	10.3	10.8	9.4	9.0	9.3
29	---	---	---	10.3	9.0	9.8	11.7	10.8	11.2	9.4	9.0	9.2
30	---	---	---	10.3	8.8	9.6	11.8	10.7	11.3	9.5	9.0	9.3
31	---	---	---	11.5	10.0	10.8	---	---	---	9.7	9.3	9.5
MONTH	15.5	11.5	13.3	15.2	8.8	11.7	14.6	8.6	10.8	12.1	8.7	9.9

06887500 KANSAS RIVER AT WAMEGO, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.9	9.3	9.6	10.0	7.9	8.7	10.2	5.5	7.5	13.4	12.1	12.7
2	9.6	9.3	9.5	9.9	7.5	8.7	11.8	4.9	8.2	14.6	12.8	13.5
3	9.6	9.2	9.5	8.9	7.2	7.9	10.5	6.6	8.4	16.0	13.0	14.1
4	9.4	5.8	6.9	9.8	7.6	8.5	11.1	6.9	8.6	19.3	12.6	15.2
5	6.3	4.9	5.3	9.7	7.8	8.6	10.9	7.6	8.8	22.1	12.3	16.5
6	5.5	5.0	5.4	11.7	7.7	9.3	11.3	7.9	9.3	23.1	11.8	16.7
7	6.0	5.5	5.8	12.3	7.5	9.5	10.7	7.5	8.8	18.8	10.6	14.3
8	7.2	6.0	6.8	12.8	7.0	9.6	12.0	7.2	9.4	16.1	10.4	12.6
9	7.8	7.2	7.6	12.8	7.0	9.5	11.4	7.0	9.0	---	9.9	---
10	8.9	6.7	7.7	13.3	7.0	9.7	11.3	7.3	9.0	---	---	---
11	7.2	6.4	6.8	13.9	6.9	10.0	11.4	7.6	9.3	---	---	---
12	7.3	6.5	6.9	12.2	6.9	8.8	11.2	7.9	9.2	---	---	---
13	7.2	6.5	6.9	13.4	7.2	9.9	10.9	8.6	9.7	---	---	---
14	6.5	6.1	6.2	14.5	7.3	10.4	14.5	9.7	11.8	---	---	---
15	7.4	6.3	6.9	---	7.4	---	20.3	10.0	14.4	---	---	---
16	7.8	7.4	7.7	---	---	---	16.9	9.3	12.6	---	---	---
17	8.1	7.8	7.9	---	---	---	15.0	9.5	11.8	---	---	---
18	8.1	7.8	8.0	14.7	---	---	11.3	9.6	10.3	---	---	---
19	8.0	7.7	7.9	12.4	6.6	9.0	11.9	9.6	10.5	---	---	---
20	7.8	7.2	7.6	14.2	6.8	9.9	12.8	7.4	10.7	9.4	7.6	8.2
21	8.0	7.2	7.8	14.9	6.3	10.0	10.2	7.7	9.4	8.9	7.5	8.0
22	8.0	7.8	7.9	12.3	6.3	9.0	10.9	10.1	10.5	9.1	7.4	8.1
23	8.3	7.8	8.1	11.0	6.1	8.3	13.6	10.5	11.8	8.5	7.8	8.1
24	8.5	7.9	8.2	10.4	5.9	8.1	16.0	11.8	13.4	9.4	7.7	8.3
25	8.5	7.7	8.1	9.8	6.3	7.7	16.5	11.7	13.3	12.7	7.3	9.3
26	8.5	7.6	8.0	9.4	5.6	7.2	11.7	9.8	10.3	12.3	7.2	9.3
27	9.7	7.8	8.6	13.7	6.8	9.9	10.3	9.6	10	10.2	7.9	8.9
28	9.1	7.7	8.4	13.1	7.2	9.9	11.0	10.0	10.5	9.5	7.9	8.6
29	9.5	7.7	8.5	12.4	6.5	9.2	11.8	10.9	11.4	10.2	8.8	9.4
30	8.7	7.7	8.2	12.3	6.7	9.3	12.0	11.5	11.7	10.0	8.6	9.2
31	---	---	---	10.7	6.8	8.5	12.7	11.6	12.3	---	---	---
MONTH	9.9	4.9	7.6	14.9	5.6	9.1	20.3	4.9	10.4	23.1	7.2	11.1
YEAR	23.1	4.9	11.2									

06887500 KANSAS RIVER AT WAMEGO, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	37	24	30	---	---	---	20	16	18	---	---	---
2	39	29	33	16	7.4	12	20	13	16	---	---	---
3	40	26	33	16	9.5	13	18	13	15	27	15	20
4	34	22	29	17	11	13	18	13	15	24	14	19
5	100	26	62	19	11	14	20	13	16	19	13	16
6	68	55	61	18	12	15	26	16	20	18	9.5	14
7	64	53	59	16	9.0	12	25	15	20	16	7.8	11
8	75	58	66	14	7.3	9.9	20	13	17	16	8.6	12
9	64	42	51	12	8.1	9.8	21	13	17	17	8.6	12
10	64	43	52	35	9.2	14	21	14	18	15	8.1	11
11	47	30	38	24	11	16	18	12	15	12	6.8	9.4
12	33	26	30	14	8.1	11	20	13	15	11	7.3	9.0
13	30	25	27	11	6.2	8.3	21	13	17	12	5.7	8.2
14	28	20	24	9.1	6.4	7.7	16	11	13	11	5.9	7.7
15	23	18	21	10	7.2	8.7	24	10	17	10	5.3	7.2
16	20	15	18	12	8.4	10	26	17	21	13	7.1	9.6
17	18	13	16	14	8.7	11	24	17	20	14	8.6	11
18	18	11	14	13	9.5	11	40	17	21	13	8.1	10
19	17	10	13	16	11	14	220	37	120	13	8.3	10
20	16	9.7	13	17	10	14	94	57	73	14	7.5	10
21	16	10	13	16	8.3	12	67	44	56	18	12	15
22	18	12	15	31	14	22	58	37	49	20	11	15
23	20	12	16	33	19	25	46	21	33	20	9.7	13
24	17	12	15	23	15	19	44	16	24	24	9.1	13
25	18	12	15	22	15	18	70	18	37	31	16	22
26	22	13	16	26	17	21	45	30	36	28	20	23
27	54	14	18	30	19	24	37	27	32	21	12	16
28	84	15	24	26	15	21	38	29	34	16	11	13
29	---	---	---	26	17	22	38	26	32	14	11	12
30	---	---	---	23	17	20	51	26	37	14	9.4	12
31	---	---	---	---	---	---	39	23	30	14	11	13
MONTH	100	9.7	29	35	6.2	15	220	10	29	31	5.3	13

06887500 KANSAS RIVER AT WAMEGO, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU—CONTINUED

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	16	11	13	25	15	19	100	78	87	80	69	74
2	14	9.8	12	28	21	24	82	65	71	77	70	73
3	16	9.8	12	28	24	26	72	58	65	73	52	60
4	18	11	15	27	20	23	86	57	66	58	49	52
5	26	15	19	28	22	25	83	56	67	54	40	48
6	51	18	31	42	24	31	110	67	85	44	36	41
7	49	29	38	35	29	32	420	92	200	44	35	38
8	31	18	24	31	21	25	640	380	450	46	35	39
9	87	19	49	26	22	24	500	280	420	45	33	38
10	51	25	35	33	21	25	290	230	260	50	32	38
11	32	21	26	28	20	23	800	270	630	41	29	33
12	38	22	29	28	19	23	790	310	470	70	27	39
13	69	30	53	28	20	23	320	230	270	78	45	57
14	84	41	63	25	20	23	230	160	190	1,280	51	690
15	140	77	100	28	19	23	160	120	140	1,270	420	740
16	190	130	170	34	21	27	120	94	110	570	410	480
17	190	160	180	33	21	27	100	89	94	760	190	410
18	190	100	130	23	18	20	110	87	96	200	110	150
19	100	69	84	29	19	24	100	86	93	140	110	120
20	75	53	63	25	15	19	100	75	89	130	98	110
21	59	44	52	39	17	22	87	75	80	110	85	97
22	49	31	39	31	20	25	88	77	82	130	79	94
23	33	23	27	25	19	22	100	76	87	120	80	92
24	29	21	23	430	22	110	94	77	83	100	87	95
25	24	19	21	800	420	680	94	77	85	100	75	90
26	22	18	20	790	560	670	83	69	76	110	76	88
27	22	16	19	570	360	450	77	67	72	110	92	99
28	18	14	16	370	240	290	81	68	73	110	95	100
29	---	---	---	240	170	210	77	69	72	100	90	97
30	---	---	---	180	140	160	77	69	73	100	90	96
31	---	---	---	140	96	110	---	---	---	100	87	94
MONTH	190	9.8	49	800	15	100	800	56	160	1,280	27	140

06887500 KANSAS RIVER AT WAMEGO, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU—CONTINUED

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	100	81	90	99	75	85	---	20	---	240	150	200
2	100	88	92	92	73	81	---	---	---	260	130	150
3	>1,350	89	>150	410	80	100	110	68	87	130	97	110
4	>1,350	190	>1,210	120	73	88	79	58	68	100	76	90
5	>1,350	850	>1,120	89	75	81	78	56	67	130	73	89
6	870	750	800	80	64	72	70	51	61	140	76	98
7	790	590	720	80	63	69	64	45	53	130	89	110
8	620	420	470	68	57	62	61	42	48	100	83	93
9	470	400	440	69	54	61	53	42	47	89	68	81
10	>1,360	400	>1,040	64	53	58	51	39	44	90	68	81
11	1,260	740	960	63	49	56	49	36	42	88	63	76
12	890	530	690	1,040	51	110	47	38	42	79	56	70
13	610	450	520	68	51	59	56	36	42	81	55	69
14	690	550	620	72	49	59	45	34	40	97	63	81
15	510	310	360	68	---	---	47	30	37	98	70	84
16	360	230	290	68	49	58	67	32	55	---	---	---
17	340	220	260	61	42	52	78	60	66	80	62	71
18	220	160	190	54	33	43	110	78	98	82	64	72
19	180	140	160	46	29	36	100	73	89	75	54	65
20	160	120	140	56	33	44	1,390	72	260	67	44	53
21	180	110	140	83	47	61	1,380	---	>750	56	43	50
22	150	110	130	48	36	42	---	---	---	59	45	53
23	130	93	110	41	30	37	160	100	130	720	55	230
24	100	84	92	37	28	33	110	64	88	210	54	140
25	120	89	100	33	27	30	390	70	150	64	30	47
26	120	98	110	33	25	28	>1,360	390	>1,030	64	28	47
27	110	83	94	32	26	29	>1,370	620	>900	66	45	56
28	96	78	88	34	24	29	750	560	650	60	42	52
29	110	79	87	33	26	30	710	520	610	62	42	51
30	110	82	91	33	26	29	530	350	460	62	39	48
31	---	---	---	31	23	28	360	230	270	---	---	---
MONTH	1,360	78	380	1,040	23	55	1,390	20	220	720	28	87
YEAR	1,390	5.3	110									

> Actual value is known to be greater than the value shown

06887500 KANSAS RIVER AT WAMEGO, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24	18	21	---	---	---	15	13	14	---	---	---
2	26	20	23	8.8	4.5	6.6	16	12	13	---	---	---
3	26	20	23	8.8	5.4	7.3	15	12	13	---	---	15
4	24	17	21	9.7	6.7	7.9	15	11	13	16	11	13
5	71	19	47	9.9	7.2	8.5	16	12	14	15	9.8	12
6	50	42	46	11	8.1	9.4	20	13	17	12	6.1	8.9
7	45	39	42	11	6.0	7.7	19	13	16	10	5.2	7.5
8	52	41	48	7.9	4.7	6.1	15	12	14	10	6.5	8.2
9	47	29	37	7.0	5.3	6.0	16	12	14	12	5.3	8.0
10	45	31	37	18	6.1	8.3	17	13	15	8.9	5.0	7.0
11	33	21	26	14	7.2	11	14	10	12	8.1	5.3	6.4
12	22	18	20	8.4	5.3	6.7	16	11	13	7.3	4.8	6.0
13	20	17	18	6.5	4.2	5.2	16	11	14	8.6	3.7	5.5
14	18	14	16	5.8	4.3	4.9	14	9.4	11	7.4	3.3	4.9
15	15	12	13	6.8	4.8	5.7	21	9.5	15	6.5	3.5	4.6
16	13	10	12	8.9	5.9	7.2	21	14	17	9.3	4.7	6.6
17	12	8.8	10	9.3	6.3	7.6	18	14	16	10	6.1	7.5
18	12	7.8	10	10	7.3	8.7	34	15	18	9.2	5.8	7.2
19	11	7.8	9.3	---	---	---	150	34	98	8.6	5.9	6.9
20	11	7.2	9.0	---	---	---	73	45	56	12	6.0	8.1
21	12	7.6	9.3	---	---	---	50	35	41	13	7.8	10
22	13	8.9	11	---	---	---	37	28	33	12	7.5	9.7
23	14	9.1	12	---	---	---	32	20	25	12	5.5	8.4
24	11	9.0	10	17	11	14	---	---	---	18	5.7	11
25	13	8.5	11	15	12	14	---	---	---	30	13	22
26	15	9.8	12	18	13	16	33	26	28	26	10	17
27	47	9.9	13	23	17	20	28	24	26	13	7.9	9.9
28	74	12	18	19	12	15	28	24	25	13	7.1	10
29	22	14	18	17	13	15	27	22	24	12	7.0	9.4
30	22	14	18	16	13	14	42	21	28	12	8.5	10
31	17	---	15	---	---	---	27	16	20	10	6.8	8.5
MONTH	74	7.2	21	23	4.2	9.7	150	9.4	23	30	3.3	9.3

06887500 KANSAS RIVER AT WAMEGO, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU—CONTINUED

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	14	8.5	11	58	47	51	47	44	46
2	---	---	---	16	12	14	48	39	41	47	45	46
3	---	---	---	16	14	15	45	36	39	48	34	39
4	---	---	---	16	12	14	49	35	40	38	32	34
5	15	9.7	11	16	14	15	48	34	39	34	26	31
6	28	12	18	25	15	18	62	40	50	28	24	26
7	28	17	22	19	17	18	260	55	120	27	23	24
8	23	12	14	17	12	14	320	230	260	28	23	25
9	58	19	40	15	12	14	300	170	260	38	24	27
10	30	16	21	18	12	14	180	150	160	37	23	28
11	18	14	16	16	12	13	490	170	390	37	26	30
12	21	14	17	16	11	13	440	180	280	94	30	42
13	39	17	30	15	12	13	190	140	160	63	45	53
14	48	23	36	14	12	13	140	94	110	850	45	430
15	83	46	60	13	11	12	95	72	82	720	250	430
16	110	78	94	13	11	12	74	59	65	340	260	300
17	---	---	---	17	11	13	63	56	59	420	120	250
18	130	59	76	12	10	11	69	54	59	140	81	98
19	66	42	53	11	9.5	10	61	52	57	100	77	91
20	43	33	38	10	9.2	9.8	58	48	54	94	74	82
21	---	---	---	22	10	13	55	48	50	83	69	77
22	---	---	---	16	12	14	58	48	51	77	---	---
23	---	---	---	14	11	12	60	46	53	---	---	---
24	---	---	---	290	13	67	56	47	51	76	61	65
25	13	12	12	460	250	400	56	49	52	68	56	62
26	13	11	12	450	320	390	51	43	46	73	55	63
27	12	9.3	11	330	220	270	48	42	45	75	68	71
28	10	8.4	8.9	220	140	180	47	44	45	---	72	77
29	---	---	---	140	110	120	45	42	44	---	---	---
30	---	---	---	110	83	94	47	43	45	---	---	---
31	---	---	---	83	56	68	---	---	---	---	---	---
MONTH	130	8.4	31	460	8.5	61	490	34	95	850	23	98

06887500 KANSAS RIVER AT WAMEGO, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU—CONTINUED

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	73	64	68	---	---	---	---	---	---	150	94	120
2	83	65	70	---	---	---	---	---	---	100	79	85
3	510	69	110	250	49	e63	72	44	57	80	60	70
4	>1,470	130	>1,130	71	49	56	51	37	44	61	46	55
5	1,130	630	840	64	53	58	48	33	41	62	45	50
6	630	600	610	---	---	---	42	32	37	61	46	54
7	600	480	560	---	---	---	38	27	32	82	53	66
8	480	340	380	43	37	40	34	26	31	63	53	58
9	390	310	360	42	36	39	34	27	30	55	44	51
10	1,280	350	900	41	35	38	33	25	28	60	46	53
11	950	600	750	42	33	38	31	24	27	54	41	48
12	710	420	550	720	34	73	31	24	27	49	38	44
13	520	380	430	45	34	39	31	22	26	50	37	44
14	610	440	510	---	---	---	28	21	24	61	40	50
15	440	230	280	---	---	---	27	19	22	59	46	52
16	260	160	210	---	---	---	45	20	36	57	40	48
17	230	130	170	---	---	---	48	39	42	49	38	44
18	---	---	---	---	---	---	71	48	62	55	39	46
19	---	---	---	25	18	21	64	49	57	46	36	41
20	---	---	---	40	21	30	1,260	49	200	40	28	33
21	110	74	87	59	29	42	1,250	160	460	35	29	32
22	85	68	75	31	22	26	170	93	120	38	31	34
23	74	57	67	25	20	22	96	62	81	320	37	140
24	59	52	56	22	17	20	65	42	53	120	37	81
25	70	54	62	20	15	18	260	43	96	38	20	28
26	68	56	63	18	15	17	940	260	670	40	19	30
27	59	50	56	20	15	18	910	400	570	41	28	35
28	59	49	53	20	14	17	490	360	420	35	27	31
29	e56	48	52	---	---	---	460	350	400	34	25	30
30	---	---	---	---	---	---	350	240	310	33	24	29
31	---	---	---	---	---	---	240	150	180	---	---	---
MONTH	1,470	48	330	720	14	36	1,260	19	140	320	19	53
YEAR	1,470	3.3	76									

e Estimated
> Actual value is known to be greater than the value shown

06888000 VERMILLION CREEK NEAR WAMEGO, KS

LOCATION.--Lat 39°20'52", long 96°13'02", in NE ¼ NW ¼ NW ¼ sec.20, T.8 S., R.11 E., Pottawatomie County, Hydrologic Unit 10270102, on left bank at upstream side of county highway bridge, 1.9 mi upstream fom Indian Creek, 14 mi northeast of Wamego, and at mile 15.8.

DRAINAGE AREA.--243 mi^2.

PERIOD OF RECORD.--April 1936 to June 1946, January 1954 to June 1972, February 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is 992.20 ft above NGVD of 1929. Apr. 22, 1936, to June 30, 1946, gage at present site and datum. Jan 1, 1954, to June 30, 1972, gage at present site and datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum known stage 31.2 ft in June 1915, from floodmarks and other information from local residents.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	6.9	5.4	8.1	11	11	9.5	11	26	182	6.3	5.2
2	1.1	8.3	5.2	6.9	10	11	8.7	10	26	84	5.3	18
3	1.1	5.6	5.0	7.4	9.3	10	8.6	9.4	176	63	4.6	12
4	1.2	6.0	4.8	7.0	9.8	10	8.5	9.1	954	60	4.0	6.5
5	1.4	5.4	5.3	6.1	10	10	8.9	9.1	1,270	51	3.7	7.3
6	1.5	4.5	6.8	5.8	16	9.4	15	9.0	226	44	3.8	6.2
7	1.8	4.0	7.3	5.4	42	9.4	89	8.9	114	40	3.8	5.3
8	1.8	3.6	7.6	4.5	18	8.8	47	9.3	85	34	3.5	4.5
9	1.6	3.7	6.4	4.4	19	8.9	26	14	71	30	3.3	3.6
10	1.6	3.8	5.8	4.4	14	8.7	21	14	3,160	26	3.0	3.1
11	1.6	5.3	4.9	4.3	11	8.1	20	21	3,300	25	3.0	2.9
12	1.7	5.4	4.3	4.8	12	8.0	25	445	2,660	26	3.2	2.8
13	1.7	4.9	4.3	4.5	157	7.9	34	2,060	992	23	4.1	3.1
14	1.5	5.0	3.8	e3.3	123	7.5	22	233	376	21	4.9	3.3
15	1.4	4.8	3.8	e2.9	45	7.4	18	108	253	19	4.2	4.0
16	1.6	4.3	3.9	2.5	25	7.8	16	81	184	17	3.8	4.3
17	1.4	4.1	3.7	2.4	19	7.8	15	69	138	15	4.4	3.6
18	1.4	4.4	4.1	2.4	16	8.1	15	60	112	15	4.3	3.7
19	1.5	4.8	4.0	3.0	16	7.7	15	55	91	24	47	5.4
20	1.5	7.5	4.0	5.2	17	7.6	14	50	83	22	139	6.4
21	1.4	5.5	4.2	27	17	8.6	14	40	76	18	60	6.1
22	1.5	4.3	3.8	28	16	15	28	35	67	14	21	5.3
23	1.5	4.5	3.2	16	14	18	32	31	60	12	12	6.5
24	1.3	4.6	3.0	13	12	16	17	27	54	10	9.2	6.6
25	1.2	4.5	3.2	11	12	13	14	25	48	8.3	9.2	4.8
26	1.4	4.5	3.3	11	11	11	14	24	43	9.1	15	4.0
27	2.2	4.5	3.5	11	12	10	14	21	37	14	29	3.6
28	2.8	4.4	4.0	11	12	9.7	13	21	253	17	20	3.3
29	4.2	4.4	4.4	10	---	9.3	12	22	145	13	12	3.3
30	3.2	5.2	5.2	11	---	9.3	12	23	266	9.2	8.2	3.3
31	3.0	---	5.7	11	---	9.5	---	26	---	7.6	6.4	---
MEAN	1.72	4.96	4.64	8.24	25.2	9.82	20.2	116	512	30.7	14.9	5.27
MAX	4.2	8.3	7.6	28	157	18	89	2,060	3,300	182	139	18
MIN	1.1	3.6	3.0	2.4	9.3	7.4	8.5	8.9	26	7.6	3.0	2.8
AC-FT	106	295	285	506	1,400	604	1,200	7,100	30,440	1,890	915	313

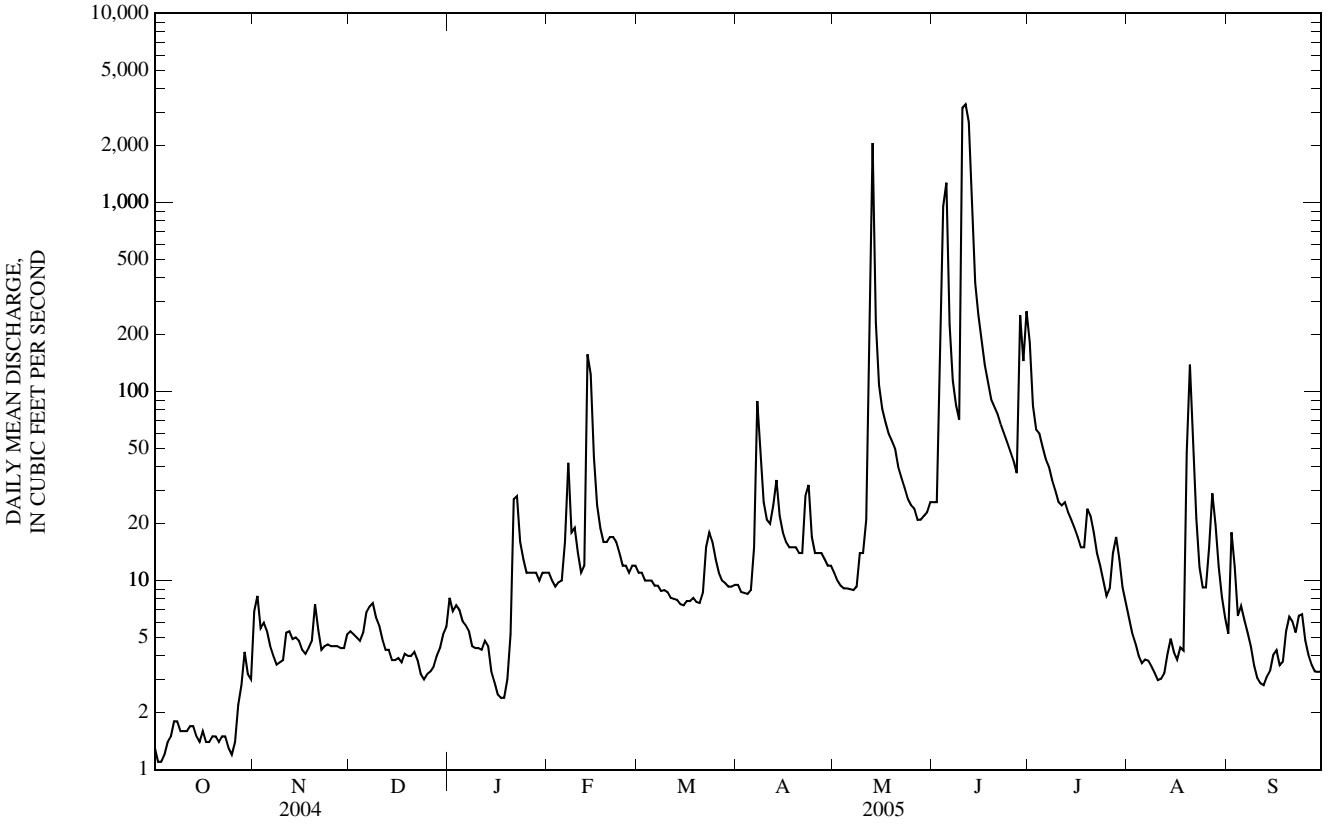
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2005, BY WATER YEAR (WY)

MEAN	70.4	34.2	28.2	27.3	59.3	85.8	99.6	170	201	73.0	57.2	51.8
MAX	845	259	226	219	250	495	539	619	879	544	668	675
(WY)	(1942)	(1962)	(1945)	(1962)	(1969)	(1960)	(1944)	(1959)	(1967)	(1958)	(1968)	(1965)
MIN	0.00	0.00	0.00	0.00	0.29	0.33	0.31	1.01	4.67	0.49	0.00	0.00
(WY)	(1957)	(1957)	(1957)	(1957)	(1957)	(1956)	(1956)	(1956)	(1937)	(1940)	(1937)	(1937)

06888000 VERMILLION CREEK NEAR WAMEGO, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1936 - 2005	
ANNUAL MEAN	49.5		62.2		85.9	
HIGHEST ANNUAL MEAN					208	1945
LOWEST ANNUAL MEAN					1.88	1956
HIGHEST DAILY MEAN	3,250	Mar 5	3,300	Jun 11	13,200	Oct 9, 1941
LOWEST DAILY MEAN	1.1	Oct 2	1.1	Oct 2	0.00	Jun 22, 1937
ANNUAL SEVEN-DAY MINIMUM	1.3	Sep 28	1.3	Oct 1	0.00	Jun 22, 1937
MAXIMUM PEAK FLOW			4,550	Jun 10	26,500	Jul 13, 1951
MAXIMUM PEAK STAGE			19.60	Jun 10	29.70	Jul 13, 1951
INSTANTANEOUS LOW FLOW			1.0	Oct 2	0.00	Jun 2, 1937
ANNUAL RUNOFF (AC-FT)	35,930		45,060		62,200	
10 PERCENT EXCEEDS	72		61		140	
50 PERCENT EXCEEDS	7.9		9.1		17	
90 PERCENT EXCEEDS	1.8		3.0		0.40	

e Estimated



06888350 KANSAS RIVER NEAR BELVUE, KS

LOCATION.--Lat 39°11'35", long 96°08'50", in NW ¼ NW ¼ NW ¼ sec.13, T.10 S., R.11 E., Wabaunsee County, Hydrologic Unit 10270102, on left bank at downstream side of county highway bridge, 3.5 mi southeast of Belvue, 1.3 mi downstream from Wells Creek, 6.4 mi downstream from Vermillion Creek, and at mile 115.0.

DRAINAGE AREA.--55,870 mi^2, of which a large area is probably noncontributing.

PERIOD OF RECORD.--October 1982 to current year.

GAGE.--Water-stage recorder. Datum of gage is 925.54 ft above NGVD of 1929.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Natural flow affected by lakes and reservoirs in Colorado, Nebraska, and Kansas, and by numerous diversions upstream from station. Satellite telemeter at station.

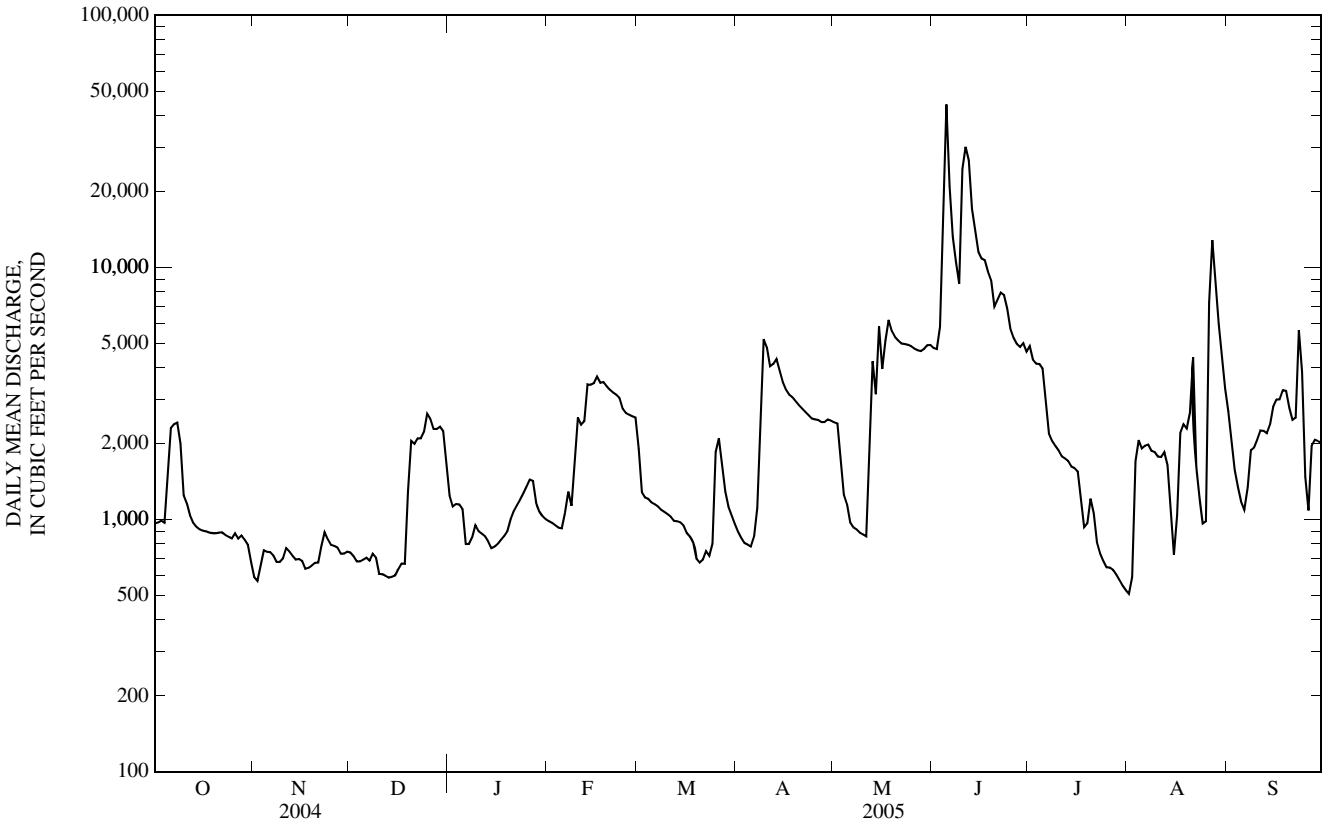
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	965	591	741	1,240	984	1,910	895	2,430	4,800	4,880	508	2,680
2	974	571	716	1,130	971	1,280	846	2,410	4,750	4,310	591	2,040
3	991	658	682	1,150	949	1,220	807	1,740	5,810	4,150	1,700	1,570
4	972	754	682	1,150	928	1,210	795	1,260	17,600	4,140	2,070	1,350
5	1,480	745	693	e1,100	923	1,170	782	1,150	44,300	3,980	1,910	1,180
6	2,300	743	705	e800	1,060	1,150	856	973	21,000	2,960	1,960	1,090
7	2,390	720	688	e800	1,290	1,130	1,110	932	13,200	2,190	1,980	1,340
8	2,420	680	732	e850	1,140	1,090	2,630	914	10,500	2,050	1,870	1,880
9	e2,000	679	707	e950	1,630	1,070	5,190	888	8,630	1,960	1,850	1,930
10	e1,250	701	609	e900	2,540	1,050	4,820	873	24,600	1,880	1,780	2,080
11	e1,160	770	607	e880	2,380	1,030	4,050	858	30,100	1,780	1,770	2,250
12	e1,040	747	598	e860	2,460	989	4,140	1,730	26,600	1,750	1,850	2,250
13	971	718	589	e820	3,440	985	4,340	4,240	17,100	1,710	1,640	2,200
14	935	695	593	e770	3,430	975	3,890	3,140	14,000	1,620	1,060	2,380
15	914	698	600	e780	3,470	946	3,510	5,840	11,500	1,600	726	2,810
16	904	685	636	e800	3,690	884	3,270	3,960	10,900	1,550	1,040	2,990
17	899	638	669	e830	3,490	856	3,130	5,130	10,700	1,220	2,210	3,000
18	888	644	668	e860	3,510	809	3,060	6,190	9,630	931	2,390	3,260
19	885	657	1,290	e900	3,380	699	2,940	5,600	8,880	966	2,300	3,240
20	882	673	2,050	e1,000	3,270	675	2,840	5,300	6,980	1,210	2,650	2,780
21	888	676	2,000	e1,080	3,190	693	2,760	5,140	7,440	1,060	4,410	2,490
22	891	787	e2,100	e1,140	3,130	749	2,670	5,000	7,950	813	1,620	2,540
23	870	891	e2,100	e1,200	3,040	718	2,590	4,970	7,780	734	1,220	5,650
24	855	835	2,230	e1,270	2,750	802	2,520	4,940	6,870	685	965	3,850
25	842	793	2,630	e1,350	2,650	1,860	2,500	4,870	5,710	646	985	1,480
26	882	787	2,510	e1,440	2,610	2,100	2,480	4,760	5,260	645	7,260	1,090
27	841	775	2,290	1,420	2,570	1,620	2,430	4,700	4,980	632	12,800	1,970
28	865	732	2,290	1,170	2,540	1,290	2,440	4,660	4,840	607	8,680	2,070
29	832	733	2,340	1,070	---	1,120	2,490	4,750	5,010	576	5,980	2,050
30	795	746	2,240	1,030	---	1,040	2,470	4,910	4,640	547	4,530	2,020
31	681	---	1,660	1,000	---	962	---	4,930	---	525	3,310	---
MEAN	1,112	717	1,279	1,024	2,408	1,099	2,642	3,522	12,070	1,752	2,762	2,317
MAX	2,420	891	2,630	1,440	3,690	2,100	5,190	6,190	44,300	4,880	12,800	5,650
MIN	681	571	589	770	923	675	782	858	4,640	525	508	1,090
AC-FT	68,360	42,690	78,640	62,960	133,700	67,600	157,200	216,600	718,100	107,700	169,800	137,900
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2005, BY WATER YEAR (WY)												
MEAN	4,324	3,542	3,888	2,448	3,944	5,362	7,400	10,330	10,500	10,400	7,859	4,763
MAX	23,260	21,070	10,790	7,497	15,650	24,150	32,300	31,800	42,050	72,370	57,370	35,230
(WY)	(1987)	(1999)	(1993)	(1994)	(1993)	(1993)	(1987)	(1995)	(1995)	(1993)	(1993)	(1993)
MIN	756	651	567	588	650	737	846	869	1,441	1,385	895	680
(WY)	(1985)	(1992)	(1992)	(2003)	(2003)	(2003)	(1989)	(1992)	(1989)	(1991)	(2002)	(1991)

06888350 KANSAS RIVER NEAR BELVUE, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1983 - 2005	
ANNUAL MEAN	2,755		2,709		6,244	
HIGHEST ANNUAL MEAN					25,330	1993
LOWEST ANNUAL MEAN					1,385	2003
HIGHEST DAILY MEAN	24,400	Mar 10	44,300	Jun 5	167,000	Jul 26, 1993
LOWEST DAILY MEAN	571	Nov 2	508	Aug 1	390	Jan 16, 1992
ANNUAL SEVEN-DAY MINIMUM	605	Dec 10	569	Jul 27	478	Jan 14, 1992
MAXIMUM PEAK FLOW			56,400	Jun 5	170,000	Jul 26, 1993
MAXIMUM PEAK STAGE			17.62	Jun 5	26.00	Jul 26, 1993
INSTANTANEOUS LOW FLOW			495	Aug 2	390	Jan 16, 1992
ANNUAL RUNOFF (AC-FT)	2,000,000		1,961,000		4,523,000	
10 PERCENT EXCEEDS	6,150		5,060		15,400	
50 PERCENT EXCEEDS	1,640		1,420		2,950	
90 PERCENT EXCEEDS	729		693		889	

e Estimated



06888500 MILL CREEK NEAR PAXICO, KS

LOCATION.--Lat 39°03'46", long 96°09'00", in SW ¼ NW ¼ SW ¼ sec.25, T.11 S., R.11 E., Wabaunsee County, Hydrologic Unit 10270102, at doWnstream side of bridge on Snokomo Road, 1.0 mi east of Paxico, 4.5 mi downstream from Kuenzli Creek, and at mile 13.5.

DRAINAGE AREA.--316 mi^2.

PERIOD OF RECORD.--December 1953 to current year.

REVISED RECORDS.--WSP 1560: 1954, 1957.

GAGE.--Water-stage recorder. Datum of gage is 955.00 ft above NGVD of 1929 from topographic map. Prior to Apr. 15, 1958, nonrecording gage at same site and datum. Prior to Oct. 1, 2001, water-stage recorder at site 2.5 mi upstream at datum 9.92 ft higher.

REMARKS.--Records fair except those for estimated daily dishcarges, which are poor. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum known stage since at least 1935, 34.7 ft, July 12, 1951, from floodmarks, discharge, 77,200 ft^3/s, from contracted-opening measurement of peak flow.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 13	0800	unknown	26.39	Jun 12	1600	unknown	21.92
Jun 3	1800	unknown	22.57	Jul 19	1915	unknown	10.85
Jun 4	0900	unknown	17.50	Aug 20	0630	unknown	12.74
Jun 5	0400	unknown	*26.54	Aug 25	2200	unknown	11.60
Jun 10	0715	unknown	19.95	Aug 26	1500	unknown	18.16
Jun 11	1130	unknown	25.81	Sep 23	0715	unknown	23.07

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	32	37	31	117	171	112	103	107	385	43	107
2	25	31	36	32	107	164	108	97	98	194	40	129
3	24	30	36	129	100	159	106	94	e3,150	204	37	102
4	24	34	36	153	96	153	105	91	e3,670	397	35	85
5	23	31	39	115	94	146	104	89	e5,160	242	34	75
6	23	30	50	111	412	140	193	87	669	155	35	66
7	25	28	51	86	717	141	371	85	477	126	35	62
8	28	27	49	72	428	136	261	81	389	109	33	59
9	27	27	48	69	328	132	221	79	349	97	31	55
10	24	41	46	84	281	127	202	77	e2,650	87	27	51
11	25	56	44	94	312	120	201	74	e5,740	80	25	46
12	26	41	43	87	375	117	199	149	e3,590	75	26	44
13	26	34	42	82	e1,150	112	182	e5,720	e1,560	72	35	40
14	24	32	40	83	613	108	169	e1,070	705	70	43	38
15	23	32	39	67	429	105	159	564	539	64	35	48
16	22	33	38	61	352	103	152	438	466	59	32	141
17	23	32	39	64	315	102	146	358	411	54	28	83
18	23	34	39	63	284	99	142	317	368	52	29	255
19	22	34	37	113	277	96	140	274	335	770	30	67
20	23	32	37	585	286	93	137	235	300	442	e1,300	54
21	23	30	37	704	261	99	132	206	269	180	269	48
22	24	29	35	257	238	124	123	184	280	123	145	44
23	23	29	33	195	221	134	115	165	217	97	347	e1,030
24	22	31	32	139	210	138	110	155	192	80	191	300
25	22	32	32	129	199	138	113	148	171	70	647	125
26	35	31	33	145	191	132	118	135	153	67	e3,540	85
27	43	31	33	128	185	127	112	127	140	69	581	70
28	250	30	33	110	180	125	107	125	149	62	294	67
29	68	32	33	108	---	124	113	121	135	55	207	61
30	38	37	33	124	---	121	112	113	177	51	158	56
31	31	---	31	124	---	118	---	108	---	46	127	---
MEAN	34.4	32.8	38.4	140	313	126	152	376	1,087	149	272	116
MAX	250	56	51	704	1,150	171	371	5,720	5,740	770	3,540	1,030
MIN	22	27	31	31	94	93	104	74	98	46	25	38
AC-FT	2,110	1,950	2,360	8,620	17,370	7,740	9,050	23,150	64,690	9,190	16,740	6,930

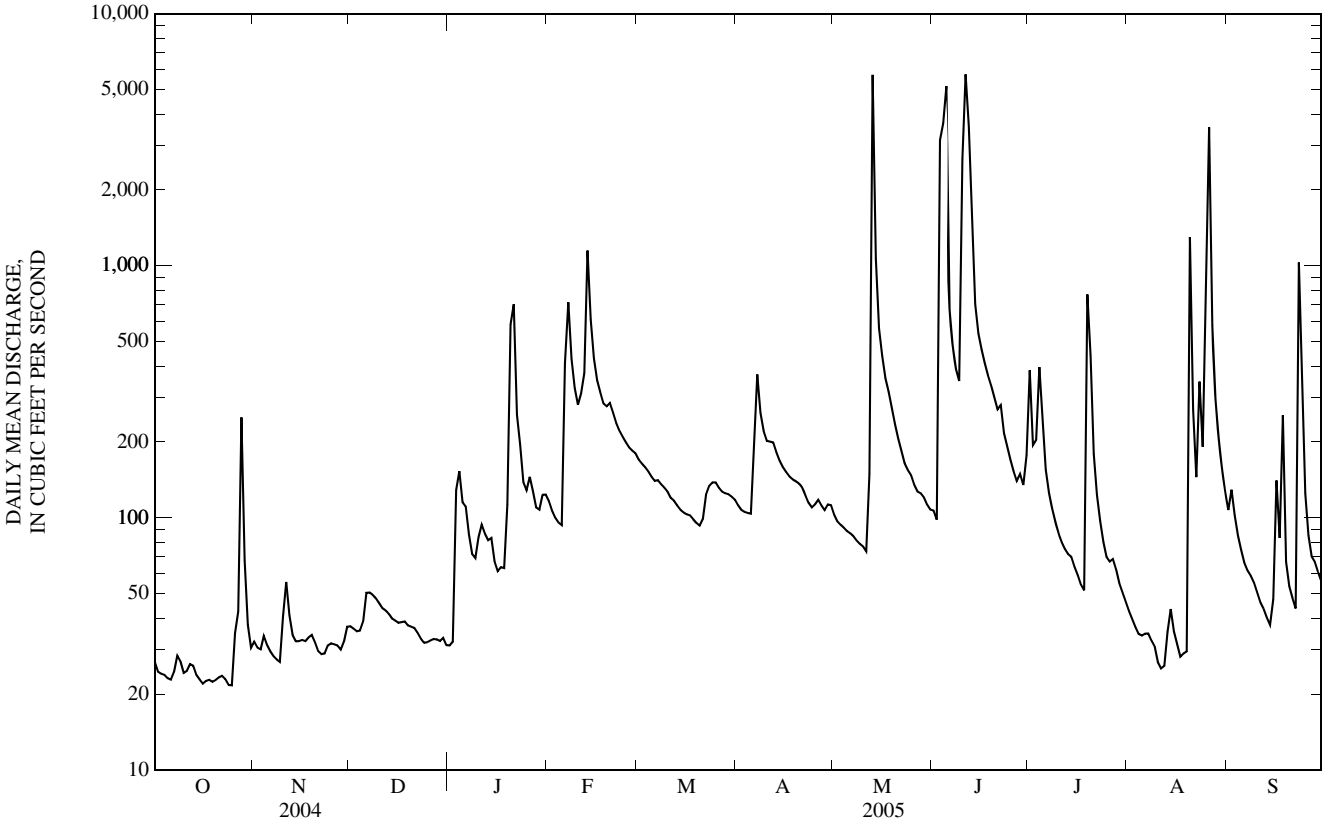
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2005, BY WATER YEAR (WY)

MEAN	144	114	94.1	79.8	137	253	317	375	344	201	86.6	112
MAX	1,179	1,108	668	382	611	1,325	1,680	2,895	1,653	2,136	535	1,954
(WY)	(1986)	(1999)	(1974)	(1974)	(1973)	(1973)	(1999)	(1995)	(1967)	(1993)	(1968)	(1973)
MIN	0.00	0.00	0.00	0.00	0.00	0.97	1.51	3.05	1.89	1.82	0.05	0.04
(WY)	(1957)	(1957)	(1957)	(1957)	(1957)	(1957)	(1954)	(1989)	(1989)	(1956)	(1955)	(1956)

06888500 MILL CREEK NEAR PAXICO, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1954 - 2005	
ANNUAL MEAN	283		235		191	
HIGHEST ANNUAL MEAN					634	1993
LOWEST ANNUAL MEAN					7.02	1956
HIGHEST DAILY MEAN	8,740	Jun 15	5,740	Jun 11	21,700	May 17, 1995
LOWEST DAILY MEAN	16	Jan 24	22	Oct 16	0.00	Sep 22, 1954
ANNUAL SEVEN-DAY MINIMUM	17	Jan 18	23	Oct 15	0.00	Sep 22, 1954
MAXIMUM PEAK FLOW			b unknown		42,200	Sep 26, 1973
MAXIMUM PEAK STAGE			26.54	Jun 5	32.21	Sep 26, 1973
INSTANTANEOUS LOW FLOW			21	Oct 24	0.00	at times
ANNUAL RUNOFF (AC-FT)	205,300		169,900		138,200	
10 PERCENT EXCEEDS	395		373		333	
50 PERCENT EXCEEDS	84		100		54	
90 PERCENT EXCEEDS	20		30		5.3	

e Estimated
b Peak flow affected by backwater from Snokomo Creek



06889000 KANSAS RIVER AT TOPEKA, KS

LOCATION.--Lat 39°04'00", long 95°38'58", in SW ¼ SW ¼ NW ¼ sec.28, T.11 S., R.16 E., Shawnee County, Hydrologic Unit 10270102, on right bank at downstream side of Sardou Bridge in Topeka, 2.3 mi upstream from Soldier Creek (diversion channel), and at mile 83.1.

WATER-DISCHARGE RECORDS

DRAINAGE AREA.--56,720 mi^2, approximately, of which a large area is probably noncontributing.

PERIOD OF RECORD.--April to August 1904 (gage heights only), June 1917 to current year. Gage-height records for this vicinity since August 1904 are contained in reports of U.S. Weather Bureau.

REVISED RECORDS.--WSP 806: Drainage area. WSP 1310: 1920(M), 1922(M).

GAGE.--Water-stage recorder. Datum of gage is 846.66 ft above NGVD of 1929. Feb. 28, 1961, to Sept. 30, 1988, gage datum was 5.00 ft higher. Prior to Feb. 28, 1961, recording or nonrecording gages at several sites within 8,000 ft of present site at various datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Natural flow affected by reservoirs in Colorado, Nebraska, and Kansas, and by numerous diversions upstream from station. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 30, 1903 (second highest since 1844), reached a stage of about 37 ft, present site and datum, from floodmarks at site 5,900 ft upstream, discharge, about 300,000 ft^3/s. A flood in the spring of 1844 is known to have been higher than that of 1903.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,010	898	891	1,580	1,230	2,960	1,260	2,730	5,010	6,200	795	3,480
2	1,010	804	887	1,260	1,190	2,080	1,160	2,680	4,930	5,140	782	2,990
3	1,000	697	848	1,560	1,150	1,540	1,110	2,590	5,620	4,800	897	2,360
4	988	812	814	2,110	1,120	1,450	1,050	1,690	14,600	7,580	2,410	1,960
5	964	865	882	1,440	1,090	1,410	1,040	1,320	54,600	5,460	2,580	1,670
6	1,410	845	1,100	800	1,370	1,380	1,190	1,220	33,400	4,880	2,490	1,430
7	2,160	834	999	825	4,170	1,410	1,580	1,070	e18,800	3,610	2,480	1,290
8	2,300	784	902	e900	2,990	1,360	1,830	1,030	e13,900	3,170	2,440	1,730
9	2,510	741	869	1,120	1,910	1,350	3,810	1,020	e10,200	2,950	2,370	2,180
10	1,650	806	860	1,130	2,490	1,350	5,200	963	e19,700	2,810	2,340	2,170
11	1,300	1,020	768	1,060	3,400	1,300	4,980	947	e44,100	2,730	2,300	2,390
12	1,260	978	771	1,020	3,520	1,290	4,310	1,230	e38,800	2,690	2,400	2,520
13	1,100	885	757	948	6,870	1,260	4,720	12,600	e34,900	2,630	3,040	2,630
14	1,020	832	711	776	6,570	1,230	4,460	9,000	e18,200	2,500	2,290	2,510
15	980	793	706	e800	4,820	1,220	4,060	6,040	e15,200	2,370	1,520	2,970
16	954	789	754	e830	4,500	1,190	3,760	6,020	e12,500	2,240	983	3,250
17	924	774	782	e870	4,360	1,130	3,570	4,480	e11,800	2,200	1,670	3,330
18	919	750	841	e930	4,140	1,110	3,430	6,390	e10,900	1,750	2,870	4,620
19	911	745	829	e1,000	4,100	1,080	3,350	6,260	e9,710	1,710	3,370	4,240
20	902	755	1,490	1,200	4,020	967	3,250	5,730	e8,890	3,910	6,260	3,590
21	905	755	2,220	2,450	3,880	954	3,160	5,420	e7,840	2,630	5,080	3,020
22	900	748	2,160	2,230	3,740	1,080	3,110	5,280	e8,340	1,850	4,240	2,860
23	898	880	e1,650	1,260	3,650	1,140	2,970	5,130	e8,180	1,320	2,590	18,800
24	e880	1,040	1,170	1,350	3,480	1,120	2,850	5,170	7,630	1,050	2,340	11,000
25	e850	932	1,420	1,420	3,210	1,250	2,800	5,100	6,480	920	2,510	4,250
26	1,110	905	2,700	1,480	3,110	2,430	2,830	5,040	5,480	915	4,130	2,330
27	1,020	950	3,040	1,510	3,060	2,480	2,750	4,930	5,080	922	13,700	1,940
28	2,150	900	3,150	1,370	3,060	1,930	2,710	4,930	5,010	884	12,100	2,600
29	1,380	885	3,410	1,320	---	1,530	2,770	4,890	4,970	861	7,290	2,550
30	993	883	2,790	1,290	---	1,370	2,780	4,980	5,110	839	5,480	2,480
31	893	---	2,330	1,270	---	1,310	---	5,040	---	815	4,280	---
MEAN	1,202	843	1,403	1,262	3,293	1,441	2,928	4,223	15,000	2,721	3,549	3,505
MAX	2,510	1,040	3,410	2,450	6,870	2,960	5,200	12,600	54,600	7,580	13,700	18,800
MIN	850	697	706	776	1,090	954	1,040	947	4,930	815	782	1,290
AC-FT	73,890	50,150	86,280	77,570	182,900	88,590	174,300	259,700	892,300	167,300	218,200	208,500

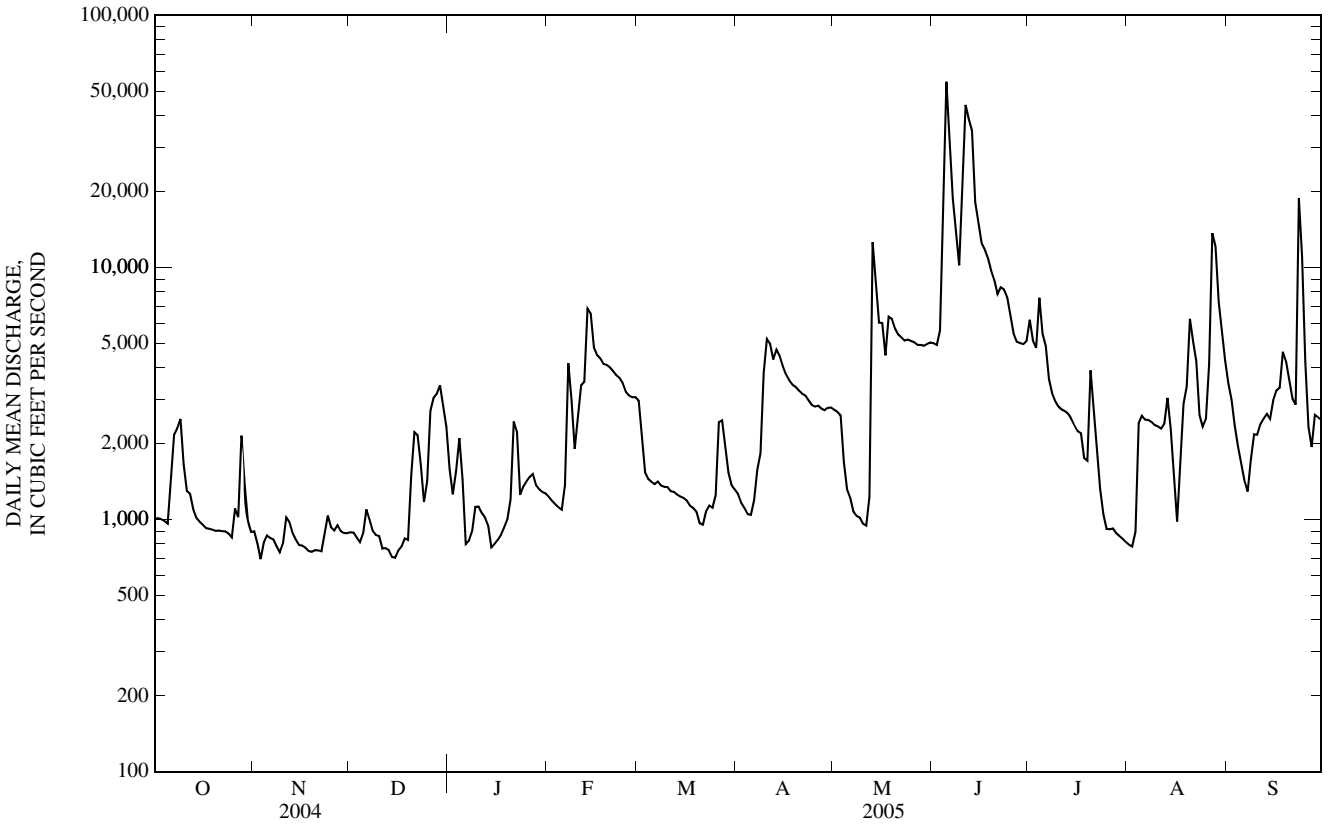
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 2005, BY WATER YEAR (WY)

MEAN	4,266	3,329	2,702	2,174	3,436	5,379	6,853	8,465	11,660	9,446	5,603	5,187
MAX	42,320	35,190	16,140	11,280	16,720	27,610	32,500	36,010	64,670	109,100	55,350	34,840
(WY)	(1974)	(1974)	(1974)	(1974)	(1949)	(1973)	(1987)	(1995)	(1951)	(1951)	(1993)	(1951)
MIN	348	406	383	328	500	492	650	585	1,075	986	269	425
(WY)	(1957)	(1957)	(1957)	(1957)	(1957)	(1967)	(1956)	(1956)	(1989)	(1936)	(1934)	(1956)

06889000 KANSAS RIVER AT TOPEKA, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1918 - 2005	
ANNUAL MEAN	3,135		3,425		5,751	
HIGHEST ANNUAL MEAN					25,580	1993
LOWEST ANNUAL MEAN					1,138	1956
HIGHEST DAILY MEAN	23,700	Mar 5	54,600	Jun 5	458,000	Jul 13, 1951
LOWEST DAILY MEAN	697	Nov 3	697	Nov 3	170	Oct 11, 1956
ANNUAL SEVEN-DAY MINIMUM	750	Dec 11	750	Dec 11	183	Oct 7, 1956
MAXIMUM PEAK FLOW			67,600	Jun 5	469,000	Jul 13, 1951
MAXIMUM PEAK STAGE			24.22	Jun 5	40.80	Jul 13, 1951
INSTANTANEOUS LOW FLOW			629	Dec 15	112	Dec 16, 1940
ANNUAL RUNOFF (AC-FT)	2,276,000		2,480,000		4,166,000	
10 PERCENT EXCEEDS	7,000		6,100		13,400	
50 PERCENT EXCEEDS	1,680		1,960		2,620	
90 PERCENT EXCEEDS	877		847		876	

e Estimated



06889000 KANSAS RIVER AT TOPEKA, KS—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1999 to September 2005 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 1999 to September 2005.
pH: July 1999 to September 2005.
WATER TEMPERATURE: July 1999 to September 2005.
DISSOLVED OXYGEN: July 1999 to September 2005.
TURBIDITY (YSI 6026 sensor): July 1999 to September 2005.
TURBIDITY (YSI 6136 sensor): March 2004 to September 2005.

INSTRUMENTATION.--Multiparameter water-quality monitor.

REMARKS.--Records good. Interruptions in record are due to ice conditions or malfunction of the recording instrument or sensors. Instruments used to measure turbidity conform to ISO 7027 standards and were made using Yellow Springs International (YSI) 6026 and 6136 sensors.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 1,630 microsiemens/cm, Oct. 26, 1999; minimum, 179 microsiemens/cm, June 5, 2005.
pH: Maximum, 10.0 standard units, Aug. 16, 2003; minimum, 7.0 standard units, July 5, 2000.
WATER TEMPERATURE: Maximum, 33.4°C, July 14, 2000; minimum, 0.0°C, Feb. 25, 2001.
DISSOLVED OXYGEN: Maximum, 20.8 mg/L, Nov. 28, 2003; minimum, 3.7 mg/L, Sept. 3, 2002.
TURBIDITY (YSI 6026 sensor): Maximum, >2,150 FNU, June 5, 2005; minimum, 5.9 FNU, Dec. 4, 2004.
TURBIDITY (YSI 6136 sensor): Maximum, >1,520 FNU, June 10, 2005; minimum, 5.0 FNU, Nov. 26, 2004.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 1,350 microsiemens/cm, Mar. 26; minimum, 179 microsiemens/cm, June 5.
pH: Maximum, 9.2 standard units, Aug. 6; minimum, 7.5 standard units, May 13.
WATER TEMPERATURE: Maximum, 33.4°C, July 22; minimum, 0.0°C, Jan. 8.
DISSOLVED OXYGEN: Maximum, 18.9 mg/L, Dec. 14; minimum, 4.3 mg/L, June 5.
TURBIDITY (YSI 6026 sensor): Maximum, >2,150 FNU, June 5; minimum, 5.9 FNU, Dec. 4.
TURBIDITY (YSI 6136 sensor): Maximum, >1,520 FNU, June 10; minimum, 5.0 FNU, Nov. 26.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	843	824	836	978	879	925	926	914	921	885	825	844
2	824	799	809	892	843	862	942	926	938	915	884	895
3	870	804	834	987	880	931	955	937	948	929	821	882
4	882	867	878	1,070	983	1,010	954	937	946	821	724	766
5	867	835	846	1,140	991	1,070	969	913	955	858	801	838
6	863	665	823	992	953	970	921	827	869	913	858	891
7	665	572	598	962	947	954	884	830	860	927	906	920
8	576	561	569	970	950	962	903	884	899	954	904	925
9	628	569	597	994	964	976	917	901	912	1,060	948	980
10	635	602	613	1,020	949	995	925	910	921	1,060	844	945
11	808	635	724	983	923	960	952	921	933	849	809	829
12	796	744	758	977	922	948	996	952	981	969	844	916
13	837	769	802	985	958	970	1,020	994	1,010	1,000	966	983
14	881	837	859	1,020	977	997	1,040	1,020	1,030	1,070	1,000	1,040
15	923	881	902	1,020	1,010	1,020	1,040	1,020	1,030	1,140	1,070	1,100
16	929	923	925	1,010	1,000	1,010	1,030	1,010	1,020	1,150	1,130	1,140
17	937	928	931	1,010	1,000	1,010	1,020	986	1,010	1,170	1,120	1,140
18	945	937	941	1,020	996	1,010	988	930	957	1,130	995	1,040
19	946	940	944	1,050	1,010	1,040	944	933	940	1,010	977	1,000
20	950	941	946	1,060	1,050	1,060	1,040	820	944	995	850	938
21	946	940	944	1,070	1,050	1,060	820	797	804	850	609	735
22	952	935	944	1,060	1,050	1,050	847	795	813	696	573	631
23	964	951	955	1,090	1,060	1,080	921	847	888	776	696	736
24	968	956	962	1,070	952	982	934	864	925	813	776	796
25	985	968	976	955	898	933	946	859	913	844	795	825
26	988	769	878	898	860	875	883	785	842	816	777	798
27	925	851	891	915	891	908	785	760	766	931	810	878
28	926	520	697	925	915	923	767	759	763	969	931	957
29	782	560	694	935	909	919	777	762	767	966	950	959
30	913	782	860	916	909	913	801	763	780	955	---	---
31	967	913	938	---	---	---	848	798	823	---	---	---
MONTH	988	520	835	1,140	843	977	1,040	759	907	1,170	573	908

06889000 KANSAS RIVER AT TOPEKA, KS—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	894	885	889	678	669	675	783	764	775	712	697	706
2	886	875	882	712	---	---	824	783	804	715	698	707
3	889	879	883	827	712	770	847	824	835	731	700	718
4	897	889	894	849	827	844	861	831	850	708	667	694
5	902	895	899	846	825	833	855	831	841	793	684	758
6	907	829	872	841	830	838	861	806	835	792	741	769
7	829	555	619	846	835	841	837	772	792	819	741	772
8	665	580	628	858	845	851	800	758	769	881	813	849
9	720	665	701	869	858	865	821	718	760	888	847	866
10	808	720	763	883	869	878	742	532	593	884	849	867
11	720	680	690	888	882	885	573	524	544	887	856	873
12	701	672	685	887	874	881	641	511	577	903	649	865
13	681	473	588	874	870	873	552	505	532	692	299	427
14	559	488	524	891	871	883	573	551	560	437	337	378
15	569	542	554	894	885	890	585	570	576	651	437	518
16	607	569	591	897	865	884	576	559	566	589	386	464
17	607	567	591	882	867	872	579	567	572	642	517	582
18	611	591	605	894	882	891	592	565	578	639	506	561
19	---	---	---	896	885	890	630	583	621	536	507	524
20	---	---	---	916	889	899	641	615	630	540	526	535
21	---	---	---	947	916	940	650	641	646	539	519	525
22	---	---	---	946	923	935	647	640	644	556	539	550
23	628	618	623	923	907	916	649	642	646	572	549	560
24	641	628	636	928	888	907	653	649	651	569	554	559
25	641	629	634	967	894	911	661	651	657	574	534	557
26	656	641	649	1,350	845	1,120	665	659	661	539	532	536
27	661	656	659	845	643	718	675	665	670	544	517	535
28	669	660	663	643	621	628	681	675	677	537	517	525
29	---	---	---	651	637	641	685	678	683	545	533	538
30	---	---	---	717	651	686	700	683	695	545	528	536
31	---	---	---	764	717	741	---	---	---	557	528	545
MONTH	907	473	697	1,350	621	846	861	505	675	903	299	626

06889000 KANSAS RIVER AT TOPEKA, KS—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	550	527	541	521	496	510	1,180	1,120	1,160	589	474	526
2	527	504	512	540	497	520	1,220	1,170	1,210	597	585	591
3	505	437	476	558	504	546	1,260	1,200	1,220	620	595	602
4	485	335	390	505	351	435	1,340	977	1,150	679	618	646
5	416	179	227	562	494	527	1,040	879	986	710	679	700
6	276	193	240	589	559	580	879	622	738	771	705	740
7	340	276	313	616	582	596	---	---	---	812	769	790
8	---	---	---	654	566	613	---	---	---	832	779	819
9	464	---	---	---	564	---	---	---	---	779	603	672
10	462	217	395	675	632	654	---	561	---	622	598	607
11	281	216	249	693	650	669	596	560	582	649	606	629
12	272	245	262	694	634	673	615	570	600	617	604	612
13	294	243	264	706	665	690	612	461	551	612	582	601
14	371	293	339	696	628	672	628	544	597	616	601	610
15	377	356	369	---	642	---	---	628	---	615	556	592
16	468	377	430	710	683	694	766	714	731	567	556	561
17	472	454	462	715	692	701	1,150	766	943	576	560	568
18	476	461	467	734	707	717	910	742	802	578	450	519
19	495	474	482	827	734	776	789	---	---	550	468	519
20	501	488	495	835	526	641	---	---	---	565	550	557
21	564	489	513	789	662	709	---	---	---	624	565	586
22	564	493	508	921	772	854	399	---	---	637	624	632
23	504	500	502	847	741	783	532	399	484	633	199	336
24	507	497	500	933	844	898	562	516	532	448	204	297
25	538	507	520	1,020	933	981	597	349	503	551	448	497
26	664	538	617	1,110	1,020	1,060	811	528	609	612	551	578
27	661	516	587	1,120	1,100	1,110	811	256	368	832	612	686
28	518	483	503	1,140	1,120	1,130	292	239	259	846	661	724
29	552	518	538	1,150	1,090	1,140	395	291	356	669	659	663
30	571	508	554	1,130	1,100	1,120	419	393	407	689	668	677
31	---	---	---	1,140	1,100	1,120	475	419	447	---	---	---
MONTH	664	179	438	1,150	351	763	1,340	239	692	846	199	605
YEAR	1,350	179	751									

06889000 KANSAS RIVER AT TOPEKA, KS—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	9.1	8.9	8.9	8.7	8.6	8.6	8.8	8.7	8.8	8.6	8.5	8.6
2	9.1	8.9	9.0	8.6	8.5	8.6	8.8	8.6	8.7	8.6	8.5	8.6
3	9.1	8.8	9.0	8.6	8.5	8.6	8.8	8.6	8.7	8.6	8.5	8.6
4	9.1	8.8	8.9	8.7	8.6	8.6	8.8	8.6	8.7	8.6	8.5	8.5
5	9.1	8.9	9.1	8.8	8.6	8.7	8.8	8.6	8.6	8.6	8.5	8.5
6	9.1	8.9	9.0	8.8	8.6	8.7	8.6	8.5	8.5	8.6	8.4	8.5
7	8.9	8.6	8.7	8.8	8.6	8.7	8.8	8.5	8.6	8.5	8.3	8.4
8	8.8	8.5	8.6	8.8	8.7	8.7	8.8	8.6	8.7	8.5	8.4	8.4
9	9.0	8.6	8.7	8.8	8.7	8.8	8.8	8.6	8.7	8.6	8.4	8.5
10	9.0	8.8	8.9	8.8	8.7	8.8	8.8	8.6	8.7	8.5	8.5	8.5
11	9.1	8.8	8.9	8.8	8.6	8.7	8.8	8.6	8.7	8.5	8.5	8.5
12	9.1	8.9	9.0	8.8	8.6	8.7	8.9	8.6	8.8	8.5	8.5	8.5
13	9.0	8.9	9.0	8.8	8.6	8.7	8.9	8.7	8.8	8.5	8.5	8.5
14	9.0	8.9	8.9	8.7	8.6	8.7	8.9	8.7	8.8	8.5	8.4	8.5
15	9.0	8.8	8.9	8.8	8.6	8.7	8.8	8.6	8.7	8.5	8.3	8.4
16	9.0	8.9	8.9	8.8	8.6	8.7	8.7	8.6	8.7	8.4	8.3	8.4
17	8.9	8.7	8.8	8.8	8.7	8.8	8.8	8.6	8.7	8.5	8.4	8.4
18	8.9	8.7	8.8	8.8	8.6	8.7	8.8	8.6	8.7	8.5	8.4	8.5
19	8.9	8.8	8.8	8.7	8.6	8.6	8.8	8.6	8.7	8.5	8.4	8.5
20	8.9	8.8	8.9	8.9	8.6	8.7	8.7	8.6	8.6	8.5	8.4	8.5
21	8.9	8.8	8.8	8.9	8.7	8.8	8.6	8.5	8.6	8.5	8.4	8.4
22	8.9	8.7	8.8	8.9	8.7	8.8	8.6	8.6	8.6	8.5	8.4	8.4
23	9.0	8.8	8.9	8.8	8.7	8.7	8.6	8.5	8.6	8.4	8.4	8.4
24	9.0	8.9	8.9	8.9	8.7	8.8	8.6	8.6	8.6	8.5	8.4	8.4
25	9.0	8.8	8.9	8.8	8.7	8.8	8.6	8.6	8.6	8.5	8.4	8.5
26	8.9	8.7	8.8	8.8	8.6	8.7	8.6	8.6	8.6	8.6	8.5	8.6
27	8.8	8.6	8.7	8.9	8.6	8.7	8.6	8.6	8.6	8.6	8.5	8.6
28	8.7	8.2	8.4	8.8	8.7	8.8	8.6	8.6	8.6	8.6	8.5	8.6
29	8.8	8.2	8.5	8.8	8.6	8.7	8.6	8.6	8.6	8.6	8.5	8.6
30	8.9	8.7	8.8	8.8	8.6	8.7	8.6	8.6	8.6	8.6	8.5	8.6
31	8.8	8.7	8.8	---	---	---	8.6	8.6	8.6	8.6	8.5	8.6
MAX	9.1	8.9	9.1	8.9	8.7	8.8	8.9	8.7	8.8	8.6	8.5	8.6
MIN	8.7	8.2	8.4	8.6	8.5	8.6	8.6	8.5	8.5	8.4	8.3	8.4

06889000 KANSAS RIVER AT TOPEKA, KS—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.6	8.5	8.6	8.5	8.5	8.5	8.4	8.2	8.2	8.6	8.4	8.5
2	8.6	8.5	8.5	8.5	8.4	8.4	8.4	8.3	8.3	8.6	8.4	8.5
3	8.6	8.5	8.5	8.5	8.3	8.4	8.6	8.3	8.4	8.6	8.5	8.6
4	8.6	8.5	8.5	8.7	8.4	8.6	8.8	8.3	8.5	8.6	8.4	8.5
5	8.6	8.5	8.6	8.9	8.6	8.8	8.4	8.1	8.2	8.9	8.3	8.6
6	8.6	8.4	8.6	8.9	8.7	8.8	8.5	8.2	8.3	8.6	8.2	8.4
7	8.4	8.2	8.3	8.8	8.7	8.8	8.5	8.2	8.4	8.6	8.1	8.3
8	8.4	8.3	8.4	8.8	8.6	8.7	8.5	8.3	8.4	8.6	8.2	8.3
9	8.4	8.4	8.4	8.7	8.6	8.6	8.5	8.1	8.2	8.5	8.2	8.3
10	8.5	8.4	8.4	8.6	8.5	8.6	8.1	7.9	8.0	8.5	8.1	8.2
11	8.5	8.5	8.5	8.6	8.4	8.5	8.1	8.0	8.0	8.3	8.0	8.2
12	8.5	8.4	8.5	8.7	8.4	8.6	8.1	8.0	8.0	8.5	8.1	8.2
13	---	---	---	8.7	8.5	8.6	8.1	8.0	8.0	8.1	7.5	7.7
14	---	---	---	8.7	8.5	8.6	8.2	8.1	8.1	7.8	7.5	7.6
15	---	---	---	8.7	8.5	8.6	8.2	8.0	8.1	8.0	7.7	7.8
16	---	---	---	8.7	8.5	8.6	8.2	8.1	8.1	7.8	7.7	7.8
17	---	---	---	8.7	8.4	8.6	8.3	8.2	8.2	8.0	7.8	7.8
18	---	---	---	8.7	8.4	8.6	8.3	8.2	8.3	8.1	7.9	8.0
19	---	---	---	8.6	8.4	8.6	8.4	8.2	8.3	8.2	8.0	8.1
20	---	---	---	8.6	8.4	8.5	8.4	8.3	8.3	8.2	8.1	8.2
21	---	---	---	8.5	8.3	8.4	8.5	8.3	8.4	8.3	8.2	8.2
22	---	---	---	8.5	8.3	8.4	8.6	8.4	8.5	8.4	8.2	8.3
23	8.4	8.4	8.4	8.5	8.3	8.4	8.6	8.5	8.6	8.4	8.3	8.4
24	8.4	8.4	8.4	8.4	8.3	8.4	8.7	8.5	8.6	8.6	8.3	8.4
25	8.4	8.4	8.4	8.4	8.3	8.4	8.7	8.5	8.6	8.5	8.3	8.4
26	8.5	8.4	8.4	8.4	7.9	8.1	8.6	8.5	8.5	8.5	8.3	8.4
27	8.5	8.3	8.4	7.9	7.9	7.9	8.6	8.4	8.5	8.5	8.3	8.3
28	8.5	8.4	8.4	8.0	7.9	7.9	8.5	8.4	8.4	8.4	8.2	8.3
29	---	---	---	8.1	7.9	8.0	8.5	8.4	8.4	8.3	8.2	8.3
30	---	---	---	8.2	8.1	8.1	8.5	8.4	8.5	8.3	8.2	8.3
31	---	---	---	8.3	8.1	8.2	---	---	---	8.3	8.2	8.3
MAX	8.6	8.5	8.6	8.9	8.7	8.8	8.8	8.5	8.6	8.9	8.5	8.6
MIN	8.4	8.2	8.3	7.9	7.9	7.9	8.1	7.9	8.0	7.8	7.5	7.6

06889000 KANSAS RIVER AT TOPEKA, KS—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.4	8.2	8.3	---	---	---	8.2	8.0	8.1	8.3	8.2	8.2
2	8.4	8.2	8.3	---	---	---	8.5	8.0	8.1	8.4	8.3	8.3
3	8.3	8.1	8.2	---	---	---	8.5	8.2	8.4	8.6	8.4	8.4
4	8.1	7.7	7.8	---	---	---	8.9	8.4	8.5	8.8	8.5	8.6
5	7.8	7.6	7.7	8.7	---	---	9.0	8.6	8.8	9.1	8.7	8.8
6	7.8	7.6	7.7	8.8	8.4	8.6	9.2	8.9	9.0	8.9	8.6	8.7
7	---	---	---	8.9	8.5	8.6	9.2	9.0	9.1	8.7	8.4	8.6
8	---	---	---	8.8	8.2	8.4	9.2	---	9.1	8.7	8.3	8.5
9	---	---	---	8.7	8.1	8.3	9.2	8.8	8.9	9.0	8.6	8.7
10	8.0	7.6	8.0	8.7	8.0	8.3	9.1	8.7	8.8	9.2	8.5	8.8
11	7.9	7.5	7.6	8.7	8.0	8.3	9.1	8.6	8.8	9.1	8.7	8.9
12	7.7	7.6	7.6	8.6	7.9	8.2	8.9	8.7	8.8	9.0	8.7	8.9
13	7.8	7.5	7.7	8.7	8.0	8.3	8.8	8.3	8.5	9.0	8.7	8.8
14	7.8	7.6	7.7	8.7	8.0	8.2	8.6	8.3	8.4	9.0	8.7	8.8
15	7.8	7.6	7.7	---	---	---	8.9	---	8.6	9.0	8.5	8.6
16	7.9	7.7	7.8	8.6	7.8	8.2	8.8	8.4	8.7	8.7	8.4	8.5
17	8.0	7.8	7.9	8.6	7.8	8.2	8.6	8.2	8.4	8.8	8.5	8.6
18	8.1	7.9	8.0	8.5	7.8	8.2	9.1	8.4	8.8	8.7	8.1	8.4
19	8.1	7.9	8.0	8.3	7.9	8.1	---	---	---	8.8	8.3	8.4
20	8.0	7.9	8.0	8.3	7.8	8.0	---	---	---	8.7	8.5	8.6
21	8.2	7.9	8.0	8.5	8.1	8.2	---	---	---	8.7	8.4	8.5
22	8.2	8.0	8.1	8.4	8.1	8.3	---	---	---	8.9	8.6	8.7
23	8.2	8.0	8.1	8.4	---	8.3	8.4	8.2	8.3	8.9	7.9	8.0
24	8.2	8.0	8.1	8.4	8.2	8.3	8.5	8.4	8.4	7.9	7.8	7.8
25	8.4	8.1	8.2	8.4	8.2	8.3	8.5	8.2	8.4	8.1	7.9	8.0
26	8.4	8.3	8.3	8.4	8.2	8.2	8.5	8.1	8.4	8.6	8.1	8.2
27	8.4	8.2	8.3	8.4	8.1	8.3	8.1	---	7.9	8.6	8.4	8.5
28	8.5	8.1	8.3	8.5	8.3	8.4	8.0	---	7.9	8.6	8.5	8.6
29	8.6	---	8.4	8.4	8.2	8.3	8.0	---	8.0	8.5	8.3	8.4
30	8.6	8.2	8.3	8.4	8.2	8.3	8.0	7.9	8.0	8.4	8.2	8.3
31	---	---	---	8.3	8.1	8.2	8.2	8.0	8.1	---	---	---
MAX	8.6	8.3	8.4	8.9	8.5	8.6	9.2	9.0	9.1	9.2	8.7	8.9
MIN	7.7	7.5	7.6	8.3	7.8	8.0	8.0	7.9	7.9	7.9	7.8	7.8

YEAR			
	MAX	MAXIMUM 9.2	MINIMUM 7.7
	MIN	MAXIMUM 9.0	MINIMUM 7.5
	MEDIAN	MAXIMUM 9.1	MINIMUM 7.6

06889000 KANSAS RIVER AT TOPEKA, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	20.8	17.9	19.6	15.5	14.6	15.0	3.7	1.8	2.8	9.5	7.1	7.9
2	17.9	15.0	16.3	14.9	11.8	13.2	4.1	2.5	3.4	9.6	5.7	7.7
3	18.7	15.1	16.7	11.8	10.5	11.0	4.1	2.8	3.4	5.7	3.6	4.4
4	18.7	17.2	18.2	11.3	9.7	10.6	5.3	2.8	4.0	3.6	0.8	2.5
5	18.2	15.8	17.0	11.6	9.3	10.5	5.3	4.2	4.6	0.8	0.0	0.1
6	17.5	15.6	16.7	13.3	10.7	11.9	6.2	4.9	5.5	0.6	0.0	0.2
7	18.3	17.1	17.5	13.3	11.6	12.6	6.4	5.7	6.1	0.5	0.0	0.2
8	21.6	17.7	19.2	13.1	11.2	11.9	6.2	4.9	5.6	0.5	0.0	0.2
9	21.3	18.9	19.9	12.7	10.9	11.8	6.5	5.3	6.0	1.1	0.1	0.4
10	20.1	18.1	18.9	12.7	11.1	11.5	6.4	5.0	5.7	0.4	0.0	0.2
11	18.8	16.1	17.3	11.1	9.1	9.8	5.1	4.1	4.7	0.4	0.0	0.2
12	16.1	15.0	15.4	9.1	7.6	8.3	5.4	4.6	5.1	0.5	0.2	0.3
13	15.8	14.6	15.3	8.6	7.1	7.7	5.1	2.6	3.5	1.0	0.0	0.2
14	15.3	12.9	13.8	8.8	6.8	7.7	2.6	0.6	1.2	0.5	0.0	0.1
15	14.0	12.0	12.6	10.1	8.7	9.2	1.7	0.1	0.8	0.1	0.1	0.1
16	13.5	10.6	11.9	13.0	10.1	11.3	3.4	1.1	2.1	0.4	0.0	0.1
17	14.9	12.2	13.5	15.3	13.0	14.1	4.4	2.6	3.5	0.8	0.0	0.2
18	15.0	14.3	14.5	15.3	14.4	14.7	5.1	3.6	4.4	0.9	0.1	0.3
19	14.9	13.9	14.4	14.4	13.0	13.8	4.8	0.9	2.3	1.4	0.1	0.5
20	15.0	14.3	14.7	13.0	12.0	12.4	1.8	0.0	0.6	1.4	0.1	0.5
21	15.5	14.0	14.5	12.1	9.5	10.4	1.8	1.5	1.6	0.3	0.1	0.2
22	19.0	15.5	17.5	9.5	8.7	9.0	1.5	0.0	0.3	0.4	0.0	0.1
23	19.0	17.0	17.8	9.4	8.2	9.1	0.1	0.0	0.1	0.9	0.0	0.2
24	17.0	14.7	15.9	8.2	6.0	6.8	0.3	0.0	0.1	1.5	0.0	0.4
25	16.9	15.0	16.0	7.1	4.9	6.0	0.7	0.0	0.2	1.1	0.0	0.4
26	18.3	16.8	17.4	8.6	6.6	7.4	0.4	0.0	0.2	0.7	0.0	0.3
27	18.3	17.7	18.1	8.6	7.0	8.0	0.5	0.0	0.2	0.5	0.2	0.3
28	19.8	17.8	18.6	7.0	4.7	5.6	0.7	0.1	0.2	0.8	0.1	0.4
29	21.1	19.5	20.2	4.7	4.1	4.5	0.7	0.0	0.2	2.2	0.3	1.0
30	19.9	14.6	15.8	4.1	3.2	3.6	8.5	0.7	4.9	2.8	1.8	2.2
31	15.0	13.2	14.0	---	---	---	8.5	7.1	7.7	3.3	2.7	3.0
MONTH	21.6	10.6	16.4	15.5	3.2	10.0	8.5	0.0	2.9	9.6	0.0	1.1

06889000 KANSAS RIVER AT TOPEKA, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.0	3.0	3.4	5.3	2.0	3.6	13.5	9.6	11.4	15.9	12.5	14.2
2	3.9	2.6	3.3	7.8	---	---	14.4	10.4	12.4	16.1	12.4	14.3
3	5.3	2.2	3.5	9.8	6.1	7.8	16.9	12.2	14.2	17.4	13.3	15.2
4	7.0	3.9	5.3	11.4	8.0	9.5	18.9	14.8	16.7	19.2	14.9	16.9
5	7.2	5.3	6.3	12.0	8.9	10.4	18.9	16.8	17.4	19.4	16.3	17.8
6	7.2	6.7	6.9	13.0	9.5	11.2	17.1	15.7	16.5	22.1	17.4	19.5
7	6.7	3.4	4.8	13.0	10.5	11.5	18.6	14.5	16.4	22.0	19.5	20.3
8	3.4	0.2	1.7	10.5	7.6	8.2	18.2	15.2	16.7	20.2	18.3	19.4
9	1.0	---	---	9.0	6.8	7.7	18.2	15.4	16.8	22.8	18.4	20.4
10	2.0	---	---	9.9	7.1	8.5	17.6	16.1	16.8	25.9	21.2	23.4
11	3.9	0.3	1.9	10.1	7.0	8.5	16.6	15.3	16.0	25.8	21.9	23.8
12	4.3	3.0	3.5	12.1	8.7	10.3	16.0	13.9	14.7	22.2	19.7	21.1
13	5.1	4.3	4.8	11.7	8.5	9.8	15.4	13.3	14.1	21.2	17.7	18.7
14	6.7	4.5	5.4	11.1	8.6	10	16.7	13.1	14.8	20.2	17.6	18.7
15	7.3	5.6	6.6	10.8	8.6	9.5	17.7	14.3	15.9	20.5	17.1	18.8
16	6.8	5.2	6.1	11.5	8.0	9.7	19.0	15.9	17.3	21.2	17.9	19.5
17	6.7	4.8	5.9	11.7	8.7	10.3	20.4	16.5	18.3	22.4	18.6	20.4
18	6.5	4.8	5.7	11.6	9.2	10.6	20.2	17.9	19.2	22.2	20.0	21.2
19	6.3	5.5	5.9	11.0	7.5	9.2	21.8	18.6	19.9	24.5	20.2	22.1
20	7.6	6.0	6.7	10.9	8.2	9.6	22.0	19.4	20.6	25.7	22.4	24.0
21	7.5	6.2	6.6	10.9	8.0	9.1	23.2	20.4	21.6	25.3	22.3	23.9
22	6.6	5.7	6.2	8.0	6.1	6.8	22.0	17.1	18.6	25.9	23.5	24.6
23	6.4	5.6	6.0	9.8	5.6	7.3	17.4	13.8	15.5	25.9	22.9	24.5
24	7.3	4.9	6.1	9.8	7.9	8.4	17.8	13.6	15.6	25.5	22.8	24.0
25	8.3	5.1	6.6	7.9	7.1	7.4	17.5	14.4	15.5	25.6	22.2	23.9
26	8.2	6.2	7.3	7.1	6.6	6.9	14.4	12.6	13.6	24.9	22.0	23.6
27	8.2	7.0	7.8	11.2	6.2	8.3	15.0	11.4	13.2	24.3	20.8	22.0
28	7.0	4.1	5.2	13.5	9.3	11.2	14.9	13.2	13.7	23.1	19.3	21.1
29	---	---	---	15.7	12.0	13.7	13.2	11.7	12.2	24.3	20.7	22.4
30	---	---	---	15.5	11.4	13.6	14.9	10.5	12.4	23.3	20.3	21.4
31	---	---	---	11.4	9.6	10.3	---	---	---	22.3	19.0	20.6
MONTH	8.3	0.2	5.4	15.7	2.0	9.3	23.2	9.6	15.9	25.9	12.4	20.7

06889000 KANSAS RIVER AT TOPEKA, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.4	20.7	22.0	26.5	22.2	24.2	30.1	27.2	28.4	28.6	25.5	26.8
2	23.2	21.8	22.5	27.8	24.7	26.1	30.5	27.8	28.9	26.9	25.1	26.1
3	22.6	19.7	20.6	27.1	25.0	25.8	30.7	28.3	29.4	28.4	24.8	26.4
4	21.0	18.6	19.8	26.5	22.3	24.3	30.7	28.7	29.8	28.3	25.6	27.1
5	20.4	---	---	28.3	24.9	26.5	29.7	25.6	26.6	28.0	25.4	26.6
6	22.7	20.1	21.1	28.2	25.8	27.0	28.2	24.0	25.8	27.1	24.4	25.9
7	24.8	---	---	29.4	25.9	27.5	29.9	26.6	28.1	28.3	25.3	26.8
8	---	---	---	29.8	26.7	28.2	31.2	28.3	29.4	28.4	26.1	27.1
9	24.2	---	---	30.1	27.0	28.5	31.6	28.8	30.2	27.5	24.9	26.3
10	24.0	20.5	22.6	30.3	27.5	28.9	32.0	29.0	30.5	27.2	24.6	25.9
11	21.7	20.3	20.9	31.4	27.9	29.5	31.7	29.2	30.4	26.3	23.6	25.1
12	22.5	21.5	22.0	31.3	29.0	30.1	31.1	28.8	29.7	26.4	24.3	25.4
13	22.8	21.0	21.9	31.2	27.5	29.1	29.2	24.4	26.5	25.9	23.6	24.8
14	23.6	21.5	22.6	31.6	28.6	30.1	24.4	22.5	23.3	25.6	23.2	24.2
15	25.1	22.5	23.7	---	29.3	---	24.8	22.4	23.2	23.8	20.2	21.2
16	26.0	24.0	24.9	32.8	29.7	31.3	26.7	24.3	25.5	22.7	18.8	20.5
17	26.2	24.6	25.4	32.4	29.3	30.7	29.0	25.9	27.2	22.8	20.5	21.7
18	26.0	24.3	25.2	31.2	27.9	29.6	31.3	26.9	28.8	23.8	21.2	22.3
19	26.4	23.9	25.2	30.3	26.3	27.8	30.8	---	---	26.5	23.4	24.7
20	27.0	24.7	25.9	30.4	24.9	27.6	---	---	---	27.2	24.3	25.8
21	28.0	25.3	26.5	31.5	27.8	29.5	---	---	---	27.2	24.3	25.8
22	27.6	25.1	26.5	33.4	29.6	31.3	---	---	---	26.9	24.6	25.8
23	27.7	25.3	26.5	33.3	30.8	32.1	26.8	23.8	25.1	26.1	18.8	20.6
24	27.8	25.0	26.4	32.6	29.7	31.0	24.8	22.8	23.7	23.0	18.8	20.7
25	28.4	25.6	27.0	31.2	29.0	30.2	24.7	23.1	23.7	26.3	22.5	24.0
26	29.1	26.3	27.7	30.7	25.2	28.3	26.7	23.3	24.6	26.1	23.5	24.6
27	29.0	26.2	27.6	25.6	22.6	24.4	26.3	24.2	25.4	24.2	21.5	22.9
28	28.4	25.0	26.5	27.4	24.5	26.0	26.2	24.8	25.5	23.3	19.1	21.2
29	28.2	25.0	26.5	28.8	26.3	27.6	27.0	24.2	25.5	19.1	16.5	17.9
30	27.6	23.3	25.4	29.2	27.1	28.2	28.4	25.1	26.6	20.3	16.9	18.4
31	---	---	---	29.2	27.1	28.2	29.0	26.0	27.5	---	---	---
MONTH	29.1	18.6	24.3	33.4	22.2	28.3	32.0	22.4	27.0	28.6	16.5	24.1
YEAR	33.4	0.0	15.3									

06889000 KANSAS RIVER AT TOPEKA, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	12.6	9.5	10.9	11.6	9.9	10.6	17.4	14.8	15.9	13.7	11.8	13.1
2	17.8	10.8	13.3	12.1	10.3	11.1	17.2	14.5	15.7	13.7	11.6	12.8
3	16.7	11.2	13.5	13.3	11.2	12.2	17.2	14.4	15.6	15.4	13.2	14.5
4	16.8	10.5	13.1	14.2	11.9	12.9	17.5	14.3	15.5	16.7	15.4	15.8
5	16.8	10.6	13.4	14.5	12.0	13.1	15.0	13.6	14.2	17.1	16.2	16.8
6	16.7	10.7	13.2	14.0	11.3	12.5	14.7	13.3	13.9	16.6	15.9	16.2
7	13.0	11.3	12.0	14.2	11.0	12.4	15.6	13.0	14.1	16.2	14.6	15.6
8	14.2	11.1	12.3	14.4	11.2	12.7	16.0	13.5	14.5	16.4	15.7	16.2
9	14.8	10.9	12.4	14.6	11.7	13.0	16.4	13.3	14.6	16.5	15.9	16.3
10	15.2	11.0	12.6	13.8	11.5	12.5	15.2	13.3	14.2	16.6	16.1	16.4
11	14.3	10.5	12.2	15.2	12.0	13.5	17.1	14.0	15.2	16.6	16.2	16.4
12	15.4	11.0	13.0	15.4	13.3	14.3	16.8	13.9	15.2	16.4	15.9	16.1
13	16.0	10.9	13.0	15.7	13.6	14.6	17.6	14.2	15.9	16.8	15.3	16.1
14	15.1	10.4	12.3	15.7	13.7	14.6	18.9	15.7	17.2	16.9	14.6	16.1
15	13.9	11.0	12.4	14.6	12.9	13.7	18.4	16.5	17.3	16.9	15.2	16.2
16	14.7	11.5	12.7	13.4	12.1	12.8	17.9	15.8	16.7	16.9	15.0	16.1
17	14.9	10.8	12.4	13.0	11.1	11.8	17.6	15.0	16.1	17.3	15.6	16.5
18	12.2	10.0	11.1	11.3	10.3	10.8	17.2	14.4	15.5	17.2	16.2	16.9
19	13.1	10.3	11.5	12.0	10.3	11.0	18.6	14.3	16.4	16.9	16.0	16.6
20	11.6	10.0	10.8	13.1	10.8	11.9	17.4	16.5	16.9	16.8	16.1	16.5
21	12.8	10.3	11.2	13.9	11.3	12.5	16.8	16.3	16.5	16.5	14.8	15.9
22	12.7	9.2	10.4	13.4	12.0	12.7	17.8	16.6	17.4	16.8	15.1	15.8
23	12.6	8.7	10.3	12.6	11.6	12.2	17.5	16.3	16.8	16.0	15.3	15.7
24	12.9	9.5	10.8	14.6	12.2	13.3	17.0	15.9	16.7	15.8	14.6	15.3
25	12.9	9.3	10.6	14.9	12.7	13.7	16.8	15.5	16.3	15.4	13.5	14.8
26	10.2	9.0	9.7	14.1	12.4	13.1	16.6	16.1	16.3	16.4	14.7	15.8
27	11.1	8.7	9.7	14.2	11.9	13.0	16.4	15.9	16.2	16.2	14.9	15.7
28	9.7	8.4	9.0	15.0	12.7	13.7	16.2	15.5	15.9	16.1	14.2	15.3
29	10.8	8.4	9.3	15.2	13.6	14.4	15.7	14.9	15.3	15.9	14.7	15.4
30	12.7	8.7	10.7	16.6	14.2	15.2	15.2	12.8	14.2	14.8	13.3	14.1
31	12.9	10.3	11.3	---	---	---	14.0	12.8	13.4	14.3	13.5	14.0
MONTH	17.8	8.4	11.6	16.6	9.9	12.9	18.9	12.8	15.7	17.3	11.6	15.6

06889000 KANSAS RIVER AT TOPEKA, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	13.9	12.6	13.1	13.6	12.0	12.6	12.5	10.7	11.6	12.5	10.8	11.6
2	13.3	12.5	12.9	---	11.2	---	13.0	10.6	11.5	12.5	10.8	11.5
3	13.4	12.0	12.8	12.7	10.8	11.7	13.4	10.1	11.5	12.5	10.4	11.4
4	12.6	11.4	12.1	13.4	10.5	11.6	13.6	9.2	11.0	12.0	9.4	10.8
5	12.4	11.2	11.7	14.4	10.2	11.9	10.9	8.4	9.6	14.0	9.2	11.3
6	11.8	10.7	11.2	13.4	9.8	11.3	11.0	8.8	9.8	12.7	8.7	10.5
7	12.8	11.4	11.8	12.7	9.3	10.8	11.8	9.3	10.4	11.4	7.8	9.5
8	13.9	12.4	13.2	13.1	10.4	11.7	11.8	9.2	10.3	11.0	8.2	9.5
9	14.0	13.6	13.9	13.8	11.1	12.2	9.9	8.8	9.4	11.2	7.9	9.5
10	14.5	13.6	14.1	13.0	10.7	11.6	9.2	8.8	8.9	10.2	7.0	8.5
11	15.0	13.7	14.1	13.4	10.6	11.7	9.6	9.1	9.4	9.2	6.4	7.6
12	13.9	13.2	13.6	13.6	10.2	11.5	10.0	9.3	9.8	10.6	6.7	8.4
13	---	---	---	14.0	10.1	11.7	10.2	9.8	10	7.7	5.1	6.6
14	---	---	---	13.9	10.5	11.9	10.5	9.8	10.1	8.3	6.7	7.6
15	---	---	---	14.1	10.6	12.1	10.4	9.7	10.0	9.1	7.5	8.1
16	---	---	---	15.3	10.8	12.4	10.2	9.5	9.9	8.8	7.6	8.4
17	---	---	---	14.2	11.0	12.4	10.3	9.2	9.8	9.2	8.4	8.8
18	---	---	---	14.2	10.7	12.2	10.0	9.1	9.5	8.5	8.1	8.3
19	---	---	---	15.0	10.9	12.8	9.9	9.0	9.4	8.7	7.9	8.3
20	---	---	---	14.8	11.2	12.7	9.8	8.7	9.1	8.4	7.8	8.1
21	---	---	---	13.0	10.7	11.8	9.6	8.3	8.8	8.6	7.8	8.2
22	---	---	---	14.4	11.7	13.0	10.5	8.3	9.5	8.9	7.9	8.3
23	11.6	11.2	11.4	15.8	12.4	14.0	11.9	9.7	10.8	9.5	7.9	8.6
24	11.8	11.3	11.6	14.1	11.7	12.9	12.4	10.2	11.2	9.8	7.6	8.6
25	11.9	11.0	11.5	14.6	12.2	13.3	11.6	9.8	10.6	9.4	7.8	8.5
26	11.5	10.9	11.2	13.7	12.9	13.3	12.2	10.6	11.4	9.3	7.4	8.3
27	11.5	10.7	11.1	13.4	11.6	12.7	12.6	10.9	11.7	8.7	7.5	8.2
28	12.7	11.1	11.9	12.1	10.6	11.5	12.2	10.5	11.3	9.1	8.0	8.4
29	---	---	---	11.0	9.8	10.5	12.8	11.2	11.9	8.8	7.7	8.2
30	---	---	---	10.8	9.7	10.2	13.0	11.2	12.2	8.7	7.6	8.2
31	---	---	---	12.3	10.8	11.6	---	---	---	9.0	8.2	8.5
MONTH	15.0	10.7	12.4	15.8	9.3	12.1	13.6	8.3	10.3	14.0	5.1	8.9

06889000 KANSAS RIVER AT TOPEKA, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.9	7.8	8.3	---	7.6	---	12.7	5.3	8.7	8.7	7.7	8.3
2	8.6	7.7	8.2	---	---	---	11.6	4.4	7.8	8.9	8.3	8.5
3	8.2	7.5	7.9	---	---	---	10.4	5.0	7.5	9.7	8.0	8.8
4	8.1	6.3	7.2	---	---	---	11.8	5.6	8.2	10.9	7.8	9.0
5	6.3	4.3	4.9	10.1	---	---	11.4	6.7	8.8	12.8	7.6	9.6
6	5.2	4.4	4.8	11.0	7.5	9.1	12.9	7.4	9.8	11.0	7.3	8.8
7	6.0	5.1	5.6	12.2	7.6	9.7	12.4	6.4	9.1	10.9	6.9	8.5
8	7.5	---	---	13.0	7.2	9.9	11.4	5.3	8.0	9.6	6.8	8.0
9	---	---	---	12.6	7.1	9.6	---	---	---	12.2	7.4	9.3
10	---	---	---	11.8	6.8	9.1	13.7	---	---	13.2	7.4	9.8
11	---	---	---	11.9	6.5	8.9	12.9	5.4	8.6	12.4	7.4	9.5
12	---	---	---	10.5	6.0	7.8	12.0	5.5	7.7	11.5	7.7	9.3
13	---	---	---	11.5	5.6	8.3	7.8	5.9	6.9	10.5	7.7	8.9
14	---	---	---	12.0	5.9	8.7	10.1	7.3	8.5	12.2	8.0	9.7
15	---	---	---	---	---	---	12.9	7.1	9.3	10.3	8.5	9.4
16	---	---	---	---	---	---	13.8	6.0	9.4	11.0	9.5	10.1
17	---	---	---	---	---	---	9.7	5.2	7.4	10.9	8.9	9.7
18	---	---	---	10.4	---	---	14.0	6.0	9.5	9.2	7.9	8.5
19	---	---	---	9.5	5.3	6.9	---	6.0	---	10.0	7.8	8.8
20	---	---	---	7.4	6.4	6.8	---	---	---	10.2	8.3	9.0
21	7.6	7.0	7.2	9.6	6.4	7.7	---	---	---	9.9	8.2	8.9
22	7.7	7.0	7.4	9.2	5.7	7.2	7.9	---	---	11.7	7.9	9.4
23	7.8	7.2	7.5	---	---	---	8.4	7.6	8.1	8.8	6.6	7.6
24	8.0	7.1	7.5	8.9	4.7	6.5	9.0	8.2	8.6	8.1	7.2	7.8
25	9.0	7.1	7.9	---	---	---	9.2	7.9	8.4	8.8	7.9	8.3
26	8.9	7.1	8.0	7.9	---	---	8.9	6.9	8.1	11.5	7.9	9.1
27	8.4	7.0	7.7	11.8	7.0	9.3	6.9	6.2	6.6	11.6	7.9	9.5
28	8.8	7.0	7.7	13.3	7.0	9.8	7.3	6.5	6.9	11.6	8.4	9.7
29	10.5	7.5	8.8	12.9	6.4	9.5	7.7	7.2	7.4	12.4	9.9	10.9
30	8.6	7.1	7.8	13.1	6.3	9.5	7.8	7.3	7.5	11.9	9.7	10.6
31	---	---	---	12.4	5.8	9.0	8.1	7.3	7.8	---	---	---
MONTH	10.5	4.3	7.3	13.3	4.7	8.6	14.0	4.4	8.2	13.2	6.6	9.1
YEAR	18.9	4.3	11.3									

06889000 KANSAS RIVER AT TOPEKA, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	69	26	40	70	36	51	12	8.0	10	---	---	---
2	69	24	36	100	40	61	11	7.7	9.3	---	---	---
3	32	21	26	52	29	41	11	7.2	8.9	---	---	---
4	40	24	30	50	24	35	11	5.9	8.0	---	---	---
5	48	19	29	59	27	38	17	6.5	9.7	---	---	---
6	77	20	44	48	24	34	60	16	31	---	---	---
7	130	60	86	50	25	34	28	14	21	---	---	---
8	110	62	82	61	21	35	23	9.8	15	---	---	---
9	170	61	86	54	18	32	16	9.0	12	---	---	---
10	80	41	56	---	---	---	30	9.7	16	---	---	---
11	96	40	63	---	---	---	27	8.6	13	---	---	---
12	93	43	62	---	---	---	18	8.1	12	---	---	---
13	69	36	48	---	---	---	33	9.8	19	---	---	---
14	91	30	53	---	---	---	20	11	15	---	---	---
15	64	29	42	---	---	---	21	11	16	---	---	---
16	54	27	35	51	17	29	25	11	17	---	---	---
17	43	23	30	55	22	31	26	12	18	---	---	---
18	84	26	46	40	24	31	28	12	21	---	---	---
19	80	31	50	42	20	28	28	15	22	---	---	---
20	68	28	44	24	18	21	83	19	46	---	---	---
21	65	27	38	21	13	17	92	55	75	---	---	---
22	62	26	38	22	7.8	15	---	---	---	---	---	---
23	64	25	35	37	7.6	20	60	34	50	---	---	---
24	38	21	28	25	9.2	14	38	22	31	---	---	---
25	74	26	41	12	7.2	9.4	44	26	33	---	---	---
26	280	28	87	10	6.8	8.7	62	34	48	---	---	---
27	60	38	51	14	7.8	10	51	34	42	---	---	---
28	1,030	38	370	11	7.2	8.4	99	38	51	---	---	---
29	440	76	180	27	7.1	14	140	---	---	---	---	---
30	100	46	71	20	7.0	11	---	---	---	---	---	---
31	64	37	46	---	---	---	---	---	---	---	---	---
MONTH	1,030	19	64	100	6.8	26	140	5.9	25	---	---	---

06889000 KANSAS RIVER AT TOPEKA, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU—CONTINUED

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	39	30	35	140	94	110	88	76	82
2	23	16	18	31	24	28	130	68	88	130	78	96
3	20	14	17	32	26	28	73	54	66	100	76	85
4	19	12	16	44	30	35	100	53	71	81	54	67
5	21	13	15	44	32	39	110	58	78	69	48	56
6	61	14	31	47	37	40	120	66	90	91	53	65
7	500	61	340	53	42	46	140	89	120	59	38	47
8	270	95	170	44	31	e38	160	84	120	42	34	38
9	95	52	73	46	29	34	560	160	400	43	33	37
10	68	44	53	44	26	34	630	500	580	43	27	33
11	79	38	56	45	32	37	500	390	430	37	25	30
12	43	33	38	39	29	34	690	380	520	370	27	65
13	640	40	280	36	30	34	740	510	640	---	---	---
14	430	77	220	40	32	34	570	400	500	1,300	---	---
15	640	54	150	39	26	32	450	310	390	1,280	560	840
16	---	---	---	31	20	28	330	250	290	990	350	720
17	---	---	---	41	25	29	250	190	220	460	310	370
18	---	---	---	39	25	30	200	170	190	650	370	490
19	---	---	---	37	23	27	200	160	170	390	240	310
20	---	---	---	29	22	25	160	140	150	240	200	220
21	---	---	---	39	21	28	140	130	140	240	170	200
22	---	---	---	41	25	31	190	120	140	180	150	170
23	92	67	80	43	23	28	180	120	130	160	140	150
24	71	55	63	43	28	32	120	100	110	170	140	150
25	55	43	49	69	26	36	110	94	100	160	130	140
26	48	41	45	450	69	250	120	94	100	140	120	140
27	45	40	43	490	390	450	140	88	110	140	120	130
28	46	37	42	390	250	330	99	81	88	150	130	140
29	---	---	---	260	180	220	95	79	86	140	130	140
30	---	---	---	200	140	160	88	76	80	140	130	130
31	---	---	---	160	120	140	---	---	---	140	130	130
MONTH	640	12	90	490	20	77	740	53	210	1,300	25	180

06889000 KANSAS RIVER AT TOPEKA, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU—CONTINUED

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	140	120	130	---	---	---	36	20	26	360	210	290
2	130	120	120	---	---	---	---	---	---	230	170	200
3	300	120	160	---	---	---	36	20	25	170	95	140
4	1,930	160	910	---	---	---	98	29	62	100	78	95
5	>2,150	1,110	>1,940	---	95	---	94	60	80	85	73	80
6	1,530	730	1,040	98	82	93	77	59	70	85	56	75
7	780	670	720	84	64	76	76	46	65	67	40	55
8	---	---	---	83	61	71	79	55	67	96	41	63
9	---	470	---	70	52	61	75	54	64	220	94	130
10	---	460	---	56	41	50	69	34	51	130	98	110
11	---	---	---	47	33	42	57	30	44	110	100	100
12	1,990	900	1,290	75	34	47	78	30	46	150	85	99
13	1,820	650	1,140	52	36	44	290	40	100	150	84	99
14	650	480	540	62	38	50	140	40	60	110	81	88
15	560	440	510	53	38	44	81	36	52	140	85	110
16	440	330	370	56	33	46	55	29	42	140	120	130
17	---	---	---	57	32	42	72	26	50	---	---	---
18	---	---	---	52	25	37	100	67	89	---	---	---
19	---	---	---	56	25	34	97	83	88	---	110	---
20	---	---	---	1,190	56	620	---	---	---	120	87	110
21	240	170	190	320	110	190	---	---	---	89	63	80
22	250	180	220	110	49	90	---	380	---	81	62	72
23	190	150	170	70	36	56	380	180	240	>1,530	63	>1,050
24	160	130	150	66	33	48	200	130	170	1,370	400	860
25	140	100	120	60	31	44	860	100	280	410	140	250
26	130	98	120	55	30	43	1,110	95	370	140	67	100
27	150	130	140	64	32	46	>1,560	820	>1,160	82	60	69
28	140	120	130	46	27	37	1,240	610	740	92	71	83
29	140	120	130	40	27	33	650	520	550	100	66	77
30	---	---	---	35	24	30	610	500	560	130	57	73
31	---	---	---	---	---	---	510	360	430	---	---	---
MONTH	2,150	98	490	1,190	24	79	1,560	20	210	1,530	40	170
YEAR	2,150	5.9	140									

e Estimated
> Actual value is known to be greater than the value shown

06889000 KANSAS RIVER AT TOPEKA, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	43	20	27	---	---	---	8.3	6.0	7.2	54	35	46
2	43	20	25	---	---	---	8.2	5.9	6.9	53	30	44
3	23	18	21	---	---	---	7.8	5.4	6.6	160	22	53
4	29	20	24	---	---	---	7.1	5.0	6.0	180	87	140
5	---	---	---	---	---	---	14	5.5	7.5	91	53	69
6	---	---	---	---	---	---	44	12	23	71	45	57
7	---	---	---	---	---	---	22	12	17	---	27	---
8	---	---	---	---	---	---	17	9.6	12	46	33	39
9	---	---	---	---	---	---	14	8.7	11	47	17	27
10	---	---	---	---	---	---	18	8.1	13	23	14	18
11	---	---	---	---	---	---	20	8.1	11	20	13	16
12	---	---	---	---	---	---	12	7.8	9.2	20	11	16
13	---	---	---	---	---	---	18	7.4	12	20	11	15
14	---	---	---	---	---	---	12	7.4	8.9	15	7.3	10
15	---	---	---	---	---	---	18	9.5	12	15	7.0	8.8
16	32	17	21	30	11	18	21	11	15	14	6.3	9.9
17	19	16	18	31	15	20	20	10	15	16	7.8	10
18	52	18	27	25	16	20	24	12	17	15	8.0	11
19	45	20	31	26	14	19	20	13	17	22	8.8	17
20	44	20	28	17	12	15	100	14	49	31	17	22
21	40	20	25	14	8.8	11	100	55	79	180	29	80
22	39	20	26	16	6.0	10	71	42	58	270	80	150
23	38	20	25	24	5.9	13	72	32	56	93	37	66
24	24	18	21	15	6.3	9.3	39	20	28	52	26	37
25	47	20	29	9.0	5.4	7.0	42	18	28	63	26	42
26	150	23	54	8.3	5.0	6.6	53	32	42	79	40	56
27	50	32	37	10	5.7	8.0	48	29	39	64	35	46
28	690	31	220	8.1	5.2	6.5	120	35	49	46	28	37
29	280	62	130	14	5.1	8.5	340	57	120	48	28	38
30	66	42	53	14	5.1	7.8	150	52	95	43	22	33
31	---	---	---	---	---	---	71	38	53	31	21	26
MONTH	690	16	44	31	5.0	12	340	5.0	30	270	6.3	41

06889000 KANSAS RIVER AT TOPEKA, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU—CONTINUED

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	24	15	20	22	19	21	92	64	77	67	56	60
2	18	12	14	19	16	17	85	48	59	86	57	66
3	16	11	13	20	15	17	49	40	45	69	56	61
4	17	9.5	12	28	19	23	69	38	48	62	43	51
5	110	11	19	28	21	24	73	42	53	59	38	46
6	55	13	26	30	22	26	80	47	62	66	38	48
7	440	55	310	34	26	30	91	62	77	44	30	34
8	220	73	130	32	21	25	110	69	85	42	27	32
9	73	38	53	25	16	20	390	110	280	39	27	33
10	57	32	43	30	16	22	440	340	400	51	30	36
11	71	30	53	28	19	23	340	270	300	54	35	44
12	43	30	35	25	20	22	470	260	360	150	41	60
13	480	33	200	23	18	22	500	350	440	>1,490	120	1,210
14	320	59	160	27	20	22	380	300	350	1,480	590	1,240
15	470	45	110	25	17	20	330	230	290	720	410	540
16	80	---	---	21	16	18	230	180	210	660	300	490
17	---	---	---	26	17	19	180	140	160	380	270	310
18	---	---	---	23	16	19	140	120	130	540	290	420
19	---	---	---	22	15	17	140	110	120	400	180	270
20	---	---	---	18	14	16	110	94	100	260	160	180
21	---	---	---	25	17	19	99	90	95	190	150	170
22	---	---	---	27	16	20	130	85	93	170	120	140
23	54	42	48	28	15	18	130	81	93	150	110	130
24	45	36	40	28	18	21	82	71	75	150	110	120
25	36	28	32	45	17	23	79	66	74	140	95	100
26	31	26	28	290	45	160	86	68	73	110	90	97
27	30	26	27	330	270	300	91	63	72	100	86	91
28	28	22	25	270	180	230	72	57	63	110	92	99
29	---	---	---	180	120	160	75	56	60	110	95	100
30	---	---	---	130	93	110	64	55	57	110	93	100
31	---	---	---	100	78	89	---	---	---	150	94	110
MONTH	480	9.5	67	330	14	51	500	38	150	1,490	27	210

06889000 KANSAS RIVER AT TOPEKA, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU—CONTINUED

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	110	88	99	---	110	---	---	---	---	240	140	190
2	100	85	96	---	---	---	---	---	---	160	120	140
3	290	87	120	---	---	---	25	14	19	120	88	110
4	1,350	110	630	---	---	---	80	22	50	140	85	100
5	>1,500	780	1,350	---	69	---	72	47	61	100	47	58
6	1,030	530	700	72	59	66	73	45	59	65	38	49
7	540	470	510	59	47	53	73	50	63	48	24	35
8	---	---	---	55	43	49	---	---	---	59	23	40
9	---	---	---	48	38	43	73	45	61	130	56	78
10	>1,520	330	700	40	32	36	56	31	44	80	64	71
11	>1,510	1,150	1,330	34	27	31	50	30	37	68	62	66
12	1,300	630	870	55	26	36	50	27	36	94	56	63
13	1,270	450	790	37	31	34	360	29	81	92	54	64
14	450	340	370	50	31	41	86	28	42	65	53	56
15	400	320	360	39	28	34	54	26	36	82	54	69
16	320	240	260	36	25	31	38	21	30	87	76	80
17	250	210	230	37	24	31	55	19	38	81	69	76
18	220	160	190	30	19	26	80	49	67	620	67	230
19	160	130	140	41	19	25	100	62	67	290	72	130
20	130	110	130	780	41	420	---	---	---	72	58	66
21	130	91	100	220	79	130	---	---	---	61	43	52
22	140	100	120	79	38	66	---	220	---	53	42	47
23	110	92	98	52	27	42	220	110	140	1,400	41	680
24	94	78	88	51	24	36	120	80	100	770	230	470
25	80	65	74	49	23	35	550	63	170	---	---	---
26	77	65	70	43	22	31	670	59	230	---	---	---
27	83	74	78	43	23	32	1,090	510	700	---	---	---
28	180	71	91	36	26	30	690	370	470	---	---	---
29	75	66	71	---	---	---	400	320	360	84	54	63
30	140	67	85	---	---	---	400	320	350	94	43	61
31	---	---	---	---	---	---	320	240	280	---	---	---
MONTH	1,520	65	350	780	19	59	1,090	14	140	1,400	23	120
YEAR	1,520	5.0	110									

> Actual value is known to be greater than the value shown

06889170 SOLDIER CREEK NEAR HOLTON, KS

LOCATION.--Lat 39°26'03", long 95°56'32", in NW ¼ NW ¼ NW ¼ sec.23, T.7 S., R.13 E., Jackson County, Hydrologic Unit 10270102, on right bank at downstream side of bridge on County Road 214, 10.5 mi west and 2 mi south of Holton, and at mile 50.9.

DRAINAGE AREA.--60.8 mi^2.

PERIOD OF RECORD.--April 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,055.00 ft above NGVD of 1929, from topographic map.

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

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 12	2315	2,360	11.39	Jun 11	0800	*3,180	*12.52
Jun 4	1930	1,400	9.84	Jun 12	1730	1,710	10.60
Jun 10	0900	1,300	9.81				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.13	e0.85	e0.76	e2.2	2.0	e2.5	e1.8	3.5	4.1	39	e1.5	2.5
2	e0.13	0.82	e0.86	e2.6	e2.0	e2.4	e1.8	3.2	4.3	13	e1.3	3.9
3	e0.12	e0.84	e0.89	e3.8	e2.0	e2.3	e1.8	3.2	102	10	e1.2	11
4	e0.11	e1.1	e0.86	e3.7	e2.0	e2.2	e1.8	2.7	444	7.9	e1.1	28
5	e0.10	e1.0	e1.4	e3.7	e2.0	e2.1	1.7	2.7	318	6.6	e1.0	8.2
6	e0.10	e0.96	e1.8	e3.1	e7.0	e2.0	3.9	2.8	43	5.8	e0.88	4.1
7	e0.12	e0.85	e2.2	e2.8	e15	e1.9	12	2.5	19	5.4	e0.91	2.9
8	e0.13	e0.75	e2.3	e2.7	e4.3	e1.8	6.5	2.6	11	5.1	e0.89	2.0
9	e0.14	e0.80	1.6	e2.5	e2.3	e1.7	4.3	4.5	7.4	4.8	e0.80	e1.5
10	e0.14	e1.2	e2.4	e2.5	e1.3	e1.7	3.6	4.4	510	4.6	e0.76	e1.5
11	e0.13	e1.6	e2.3	e2.4	e1.0	1.7	6.5	4.8	1,040	4.5	e0.60	e1.4
12	e0.14	e1.2	e2.2	e2.4	e1.7	e1.7	32	546	689	4.5	e0.86	e1.1
13	e0.15	e0.96	e2.1	e2.3	e264	e1.6	11	595	229	30	e1.5	e1.1
14	e0.16	e0.86	e2.0	e2.0	e63	e1.6	5.8	132	84	8.3	e1.2	e1.0
15	0.15	e0.92	e1.9	e1.8	e8.0	e1.6	4.0	53	45	5.4	e0.91	e1.0
16	e0.17	e1.2	e1.9	e1.5	e3.6	e1.5	3.2	29	32	4.4	e0.74	e1.1
17	e0.16	e1.1	e1.8	e1.5	e2.3	e1.5	2.8	18	24	3.7	e0.73	e1.4
18	e0.15	e1.3	e1.8	e1.5	e1.8	e1.5	3.0	11	17	e3.3	0.69	e1.5
19	e0.15	e1.4	e1.7	e1.7	e2.1	e1.4	3.2	8.0	13	e2.6	39	e1.5
20	e0.14	e0.97	e1.7	e4.1	e2.4	e1.4	3.0	6.1	11	e2.3	120	e1.4
21	e0.15	e0.79	e1.6	e4.2	e2.7	e2.1	15	5.2	10	e2.3	14	e1.3
22	e0.15	e0.63	e1.5	e5.2	e2.8	e3.2	191	4.8	8.9	e2.3	6.3	e1.0
23	e0.15	0.69	e1.2	e3.0	3.1	e3.2	26	4.2	6.8	e2.0	3.5	e1.0
24	e0.15	e0.63	e0.94	e2.1	e3.4	e3.1	10	3.6	5.9	e1.8	7.0	e1.2
25	e0.15	e0.63	e1.1	e2.0	e3.3	e3.0	6.5	3.4	5.0	e1.4	12	e1.2
26	e0.56	e0.63	e1.2	e2.2	e2.7	e2.9	5.3	3.4	4.5	e1.5	31	e1.0
27	e0.64	e0.64	e1.3	e2.0	e2.6	e2.8	4.3	3.0	4.0	e3.3	13	e1.1
28	e0.95	e0.64	1.7	e2.2	e2.5	e2.5	3.7	3.0	5.7	e2.8	5.3	e1.2
29	e0.69	e0.63	e1.6	e2.4	---	e2.1	3.9	3.1	4.8	e2.5	4.7	e1.2
30	e0.44	e0.76	e1.7	e2.2	---	e1.9	3.8	3.2	57	e2.0	4.0	e1.3
31	e0.34	---	e1.9	e2.2	---	e1.8	---	3.4	---	e1.7	3.0	---
MEAN	0.23	0.91	1.62	2.60	14.7	2.09	12.8	47.6	125	6.28	9.04	2.99
MAX	0.95	1.6	2.4	5.2	264	3.2	191	595	1,040	39	120	28
MIN	0.10	0.63	0.76	1.5	1.0	1.4	1.7	2.5	4.0	1.4	0.60	1.0
AC-FT	14	54	100	160	819	128	760	2,930	7,460	386	556	178

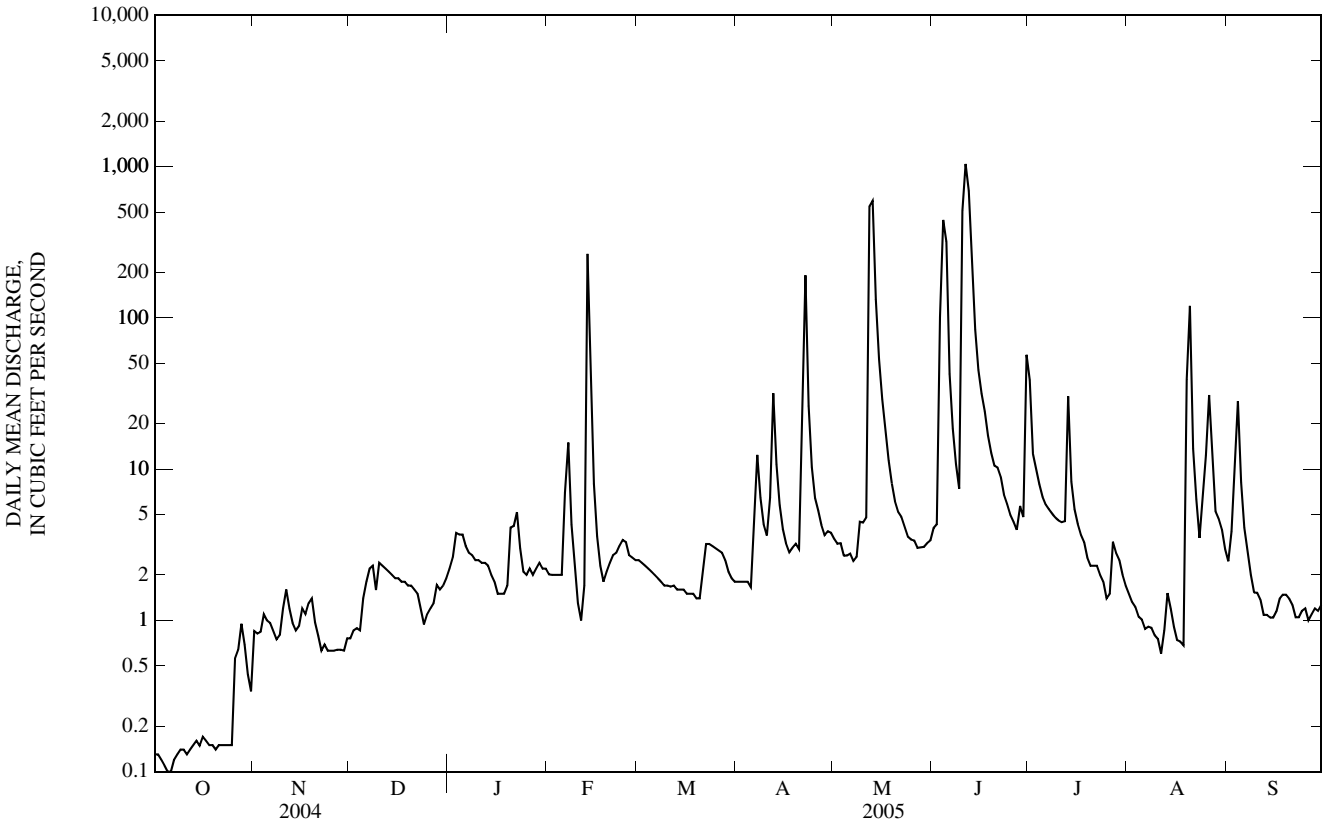
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2005, BY WATER YEAR (WY)

MEAN	4.75	2.89	3.19	2.73	12.3	20.7	27.9	44.8	71.8	18.1	10.8	74.4
MAX	14.7	6.64	5.97	4.43	27.2	72.8	70.4	135	182	49.6	40.6	368
(WY)	(2002)	(2002)	(2002)	(2002)	(2004)	(2004)	(2001)	(2002)	(2001)	(2001)	(2001)	(2001)
MIN	0.23	0.46	1.62	1.43	2.09	2.09	7.61	8.26	3.86	0.46	1.42	0.08
(WY)	(2005)	(2004)	(2005)	(2004)	(2003)	(2005)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)

06889170 SOLDIER CREEK NEAR HOLTON, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2001 - 2005	
ANNUAL MEAN	16.6		18.7		14.6	
HIGHEST ANNUAL MEAN					18.7	2005
LOWEST ANNUAL MEAN					5.64	2003
HIGHEST DAILY MEAN	623	Mar 5	1,040	Jun 11	6,400	Sep 17, 2001
LOWEST DAILY MEAN	0.10	Oct 5	0.10	Oct 5	0.01	Sep 9, 2003
ANNUAL SEVEN-DAY MINIMUM	0.12	Oct 1	0.12	Oct 1	0.02	Sep 4, 2003
MAXIMUM PEAK FLOW			3,180	Jun 11	20,700	Sep 17, 2001
MAXIMUM PEAK STAGE			12.52	Jun 11	21.85	Sep 17, 2001
INSTANTANEOUS LOW FLOW			0.06	Aug 11	0.00	Aug 24, 2003
ANNUAL RUNOFF (AC-FT)	12,060		13,540		10,580	
10 PERCENT EXCEEDS	22		13		14	
50 PERCENT EXCEEDS	2.0		2.2		2.8	
90 PERCENT EXCEEDS	0.21		0.64		0.36	

e Estimated



06889200 SOLDIER CREEK NEAR DELIA, KS

LOCATION.--Lat 39°14'18", long 95°53'18", in SE ¼ SE ¼ NE ¼ sec.30, T.9 S., R.14 E., Jackson County, Hydrologic Unit 10270102, on right bank at upstream side of bridge, 0.56 mi downstream of Dutch Creek, 5.0 mi east of Delia, and at mile 26.4.

DRAINAGE AREA.--149 mi^2.

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

GAGE.--Water-stage recorder. Datum of gage is 945.00 ft above NGVD of 1929, from topographic map. Gage datum lowered 2.0 ft on Oct. 1, 1993. Gage datum lowered 5.0 ft on Oct. 1, 1999. Prior to Nov. 2, 2002, recording gage at site 4.5 mi downstream at different datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1909, about 24 ft, June 21, 1951, from floodmarks and information by local residents.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jun 5	0600	*6,100	*28.78	Jun 12	1500	2,910	21.86
Jun 11	1800	3,460	23.28	Sep 23	1400	3,020	22.27

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.45	4.1	2.8	5.4	16	20	12	11	7.5	415	6.9	5.8
2	0.33	5.4	2.9	5.1	15	20	12	10	7.6	62	6.4	7.8
3	0.36	4.4	2.9	22	18	20	12	9.7	298	117	5.9	7.9
4	0.32	4.6	2.8	17	12	19	12	9.6	887	94	5.9	8.5
5	0.30	4.3	4.4	9.3	11	17	12	9.2	3,670	34	5.9	16
6	0.28	3.3	14	9.3	184	17	21	8.9	260	29	5.0	9.4
7	0.95	2.8	9.8	6.9	141	18	31	8.6	127	26	5.2	7.0
8	1.0	2.3	6.8	5.9	32	16	27	8.3	86	23	4.7	5.7
9	1.4	1.9	5.7	5.9	40	16	22	11	71	21	4.4	4.8
10	1.2	2.2	4.9	6.8	30	15	18	11	1,380	19	3.9	4.2
11	0.78	3.4	4.7	6.5	27	14	21	131	2,710	18	3.7	3.8
12	1.3	3.9	4.5	6.3	64	14	54	287	1,790	17	4.9	3.3
13	1.3	2.9	3.7	5.8	852	13	43	1,130	e1,100	25	6.0	3.3
14	0.76	2.7	3.2	3.9	196	13	31	136	e293	34	6.9	3.1
15	1.0	2.5	3.2	2.7	61	13	24	37	e155	20	5.0	4.3
16	0.99	2.6	3.5	2.2	39	13	20	24	109	16	4.2	4.7
17	0.98	2.7	3.6	2.2	33	13	18	19	86	14	3.9	4.3
18	1.00	2.9	3.9	2.4	29	13	17	16	70	13	4.0	5.6
19	0.93	3.6	3.4	4.2	31	12	16	15	57	15	14	4.7
20	1.1	3.6	3.4	36	36	11	15	13	50	16	185	4.3
21	1.2	3.0	3.8	71	32	13	15	12	44	13	42	4.4
22	1.1	2.7	2.9	27	28	20	105	11	41	11	18	3.6
23	1.1	2.6	2.4	18	27	19	57	9.7	36	10	46	968
24	1.0	2.4	1.9	13	25	19	29	8.8	32	9.4	11	48
25	1.0	2.4	1.8	12	23	20	21	8.1	29	8.5	12	12
26	1.7	2.4	2.4	16	22	17	20	7.6	26	8.8	56	7.2
27	2.4	2.5	3.2	14	22	16	16	7.5	23	10	42	6.5
28	3.3	2.5	4.1	10	23	15	14	7.2	37	9.3	17	6.7
29	3.6	2.4	4.3	8.8	---	15	13	7.1	44	9.8	11	6.6
30	1.9	2.6	5.8	25	---	14	12	7.0	365	8.7	8.5	6.7
31	1.2	---	6.1	27	---	13	---	7.2	---	7.6	6.9	---
MEAN	1.17	3.05	4.28	13.1	73.9	15.7	24.7	64.5	463	36.6	18.1	39.6
MAX	3.6	5.4	14	71	852	20	105	1,130	3,670	415	185	968
MIN	0.28	1.9	1.8	2.2	11	11	12	7.0	7.5	7.6	3.7	3.1
AC-FT	72	182	263	808	4,100	968	1,470	3,960	27,550	2,250	1,120	2,360

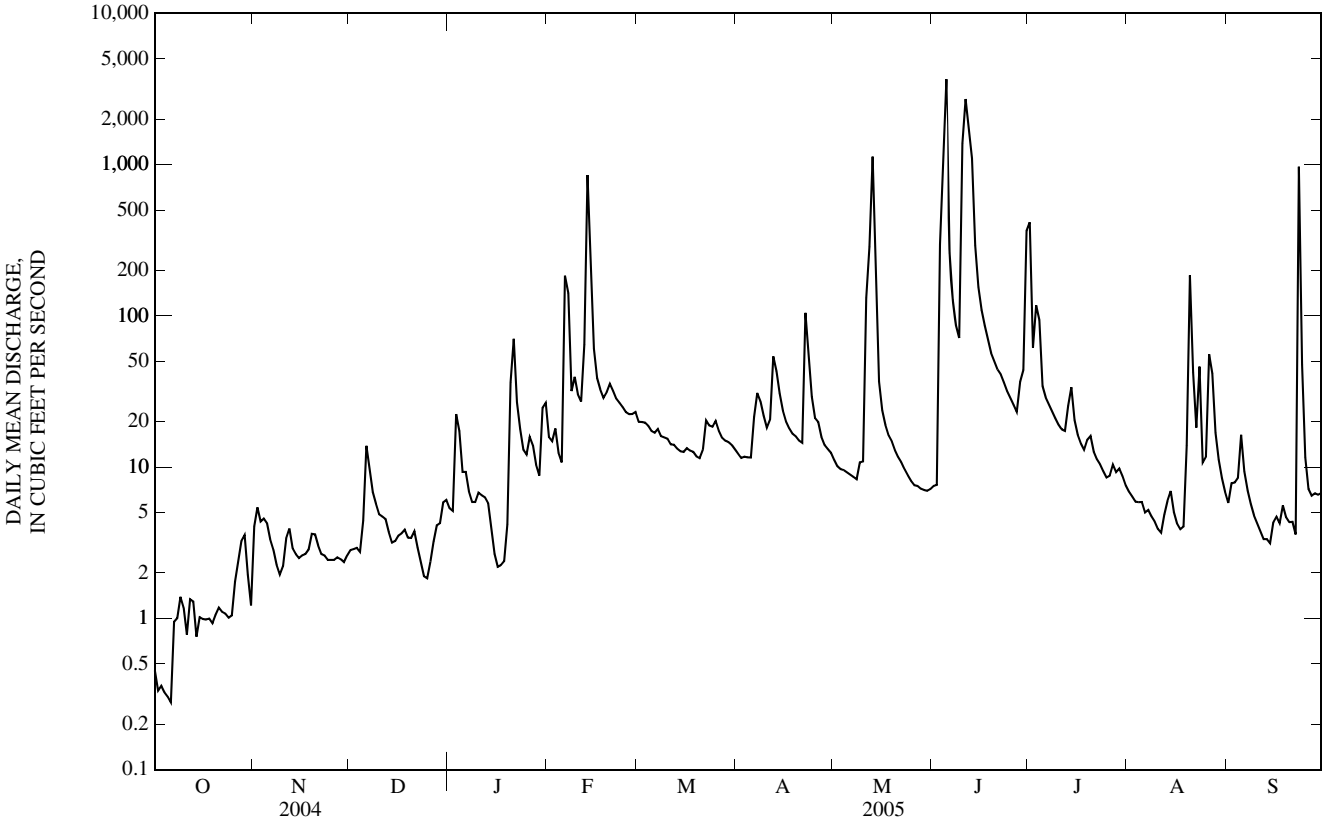
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2005, BY WATER YEAR (WY)

MEAN	70.1	62.9	42.2	35.5	68.4	128	144	173	194	83.4	43.8	90.6
MAX	484	605	293	236	316	651	800	1,056	1,051	1,139	540	670
(WY)	(1974)	(1999)	(1973)	(1973)	(1973)	(1973)	(1999)	(1995)	(1967)	(1993)	(1968)	(1977)
MIN	0.01	1.61	1.86	1.22	2.23	2.67	3.62	2.82	4.50	2.35	0.37	0.15
(WY)	(1992)	(2004)	(1977)	(1977)	(1989)	(1967)	(1989)	(1989)	(1989)	(2003)	(2003)	(2000)

06889200 SOLDIER CREEK NEAR DELIA, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1959 - 2005	
ANNUAL MEAN	37.5		62.3		94.5	
HIGHEST ANNUAL MEAN					281	1973
LOWEST ANNUAL MEAN					19.2	2003
HIGHEST DAILY MEAN	1,880	Mar 5	3,670	Jun 5	14,800	Jun 9, 1982
LOWEST DAILY MEAN	0.28	Oct 6	0.28	Oct 6	0.00	Sep 10, 1976
ANNUAL SEVEN-DAY MINIMUM	0.36	Sep 30	0.43	Oct 1	0.00	Oct 1, 1991
MAXIMUM PEAK FLOW			6,100	Jun 5	29,400	Jun 9, 1982
MAXIMUM PEAK STAGE			28.78	Jun 5	28.78	Jun 5, 2006
INSTANTANEOUS LOW FLOW			0.24	Oct 4	0.00	Sep 10, 1976
ANNUAL RUNOFF (AC-FT)	27,200		45,100		68,460	
10 PERCENT EXCEEDS	58		57		146	
50 PERCENT EXCEEDS	5.8		10		20	
90 PERCENT EXCEEDS	1.2		2.4		2.6	

e Estimated



06889500 SOLDIER CREEK NEAR TOPEKA, KS

LOCATION.--Lat 39°05'58", long 95°43'29", in SW ¼ NW ¼ NW ¼ sec.14, T.11 S., R.15 E., Shawnee County, Hydrologic Unit 10270102, on right bank 150 ft downstream of county highway bridge, 1.5 mi upstream from Halfday Creek, 4.0 mi northwest of Topeka, and at mile 6.0.

DRAINAGE AREA.--290 mi^2.

PERIOD OF RECORD.--May 1929 to September 1932, August 1935 to current year. Prior to October 1935, published as "at Topeka." Records for October 1932 to July 1935, published in WSP 746, 761, and 786, have been found to be unreliable and should not be used.

REVISED RECORDS.--WSP 1440: 1929-30(M), 1941-42, 1948(P), 1950. See also PERIOD OF RECORD.

GAGE.--Water-stage recorder. Datum of gage is 862.95 ft above NGVD of 1929. Prior to July 27, 1935, chain gage at site 2.0 mi downstream at different datum. Aug. 1, 1935, to June 16, 1958, nonrecording gage and June 17, 1958, to May 24, 1960, water-stage recorder, at present site and datum 4.0 ft higher. May 25, 1960, to June 8, 1961, nonrecording gage at site 1.1 mi downstream at datum 1.79 ft lower.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Satellite telemeter at station.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 13	0800	4,130	10.75	Jun 11	1400	5,600	13.38
May 13	0400	7,720	16.32	Jun 30	2315	3,930	10.76
Jun 5	1000	9,300	18.30	Sep 23	0900	*10,200	*19.42

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	103	13	19	82	54	32	25	25	1,530	15	17
2	3.9	67	13	18	52	52	29	23	25	243	14	15
3	3.8	30	13	134	38	52	29	21	519	434	12	16
4	3.8	31	13	141	42	49	29	21	1,860	1,080	11	18
5	3.7	23	27	94	42	49	30	20	7,380	180	10	18
6	3.7	19	100	88	674	43	53	20	770	99	10	25
7	4.2	17	49	38	880	51	89	20	338	74	10	18
8	4.4	14	31	29	202	49	69	19	203	60	9.5	14
9	4.0	13	25	26	162	43	59	18	143	50	8.9	13
10	3.6	15	20	28	157	40	49	20	975	44	8.6	12
11	3.8	29	18	26	112	38	45	287	4,290	40	8.2	11
12	5.1	18	17	25	272	38	82	976	2,910	40	7.8	10
13	4.7	16	15	e23	2,880	36	73	4,410	2,100	56	39	12
14	3.9	15	14	e19	816	34	59	646	526	60	21	11
15	3.9	14	13	16	299	33	46	254	312	48	16	14
16	3.7	14	14	14	183	32	41	145	212	35	15	36
17	3.7	14	14	13	133	33	38	105	162	29	13	19
18	3.7	14	15	14	106	32	36	83	130	26	15	28
19	3.4	15	15	16	104	31	35	80	109	31	96	35
20	3.2	15	14	82	125	31	34	64	93	41	623	18
21	3.3	14	14	317	109	36	33	52	81	31	187	15
22	3.3	14	14	e150	87	47	35	45	73	24	90	13
23	3.0	14	13	e70	77	52	133	39	66	22	111	6,620
24	2.8	15	12	49	70	51	52	35	57	20	46	1,120
25	3.2	14	11	42	65	59	38	32	50	17	50	321
26	26	14	11	49	62	51	36	28	44	17	452	146
27	15	12	12	53	59	43	33	26	40	17	217	75
28	728	13	13	40	60	39	30	27	46	18	59	54
29	83	13	15	32	---	39	30	25	136	18	37	43
30	27	13	17	60	---	37	29	26	698	17	25	35
31	17	---	20	163	---	35	---	24	---	16	20	---
MEAN	31.9	21.1	19.5	60.9	284	42.2	46.9	246	812	142	72.8	293
MAX	728	103	100	317	2,880	59	133	4,410	7,380	1,530	623	6,620
MIN	2.8	12	11	13	38	31	29	18	25	16	7.8	10
AC-FT	1,960	1,250	1,200	3,740	15,770	2,600	2,790	15,110	48,340	8,760	4,480	17,460

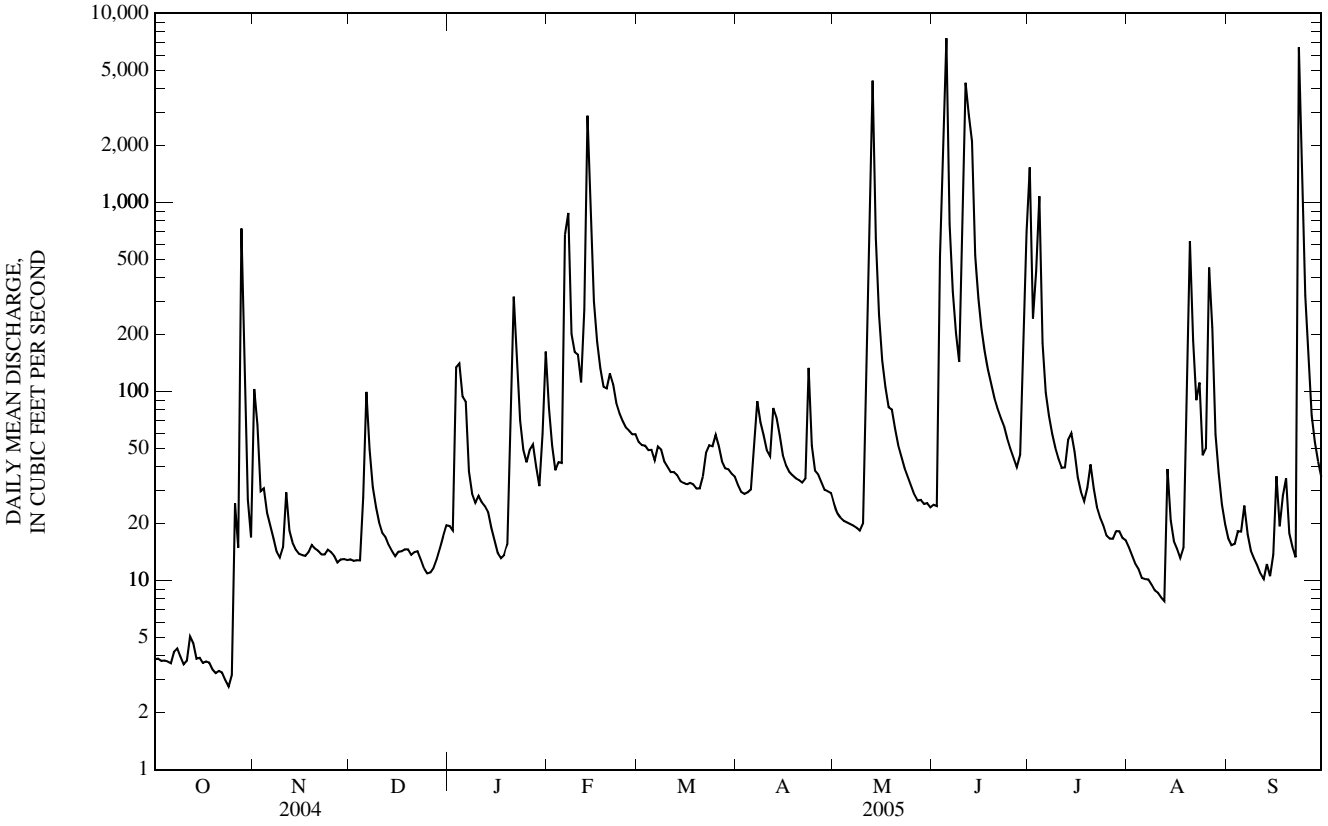
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2005, BY WATER YEAR (WY)

MEAN	116	84.4	64.2	54.3	103	189	227	274	331	188	85.2	143
MAX	1,178	1,175	475	359	382	1,269	1,464	1,838	2,183	2,711	1,130	1,288
(WY)	(1974)	(1999)	(1973)	(1974)	(1937)	(1987)	(1944)	(1995)	(1967)	(1993)	(1968)	(1977)
MIN	0.00	0.00	0.00	0.00	0.18	0.14	1.03	5.17	4.06	1.13	0.27	0.00
(WY)	(1938)	(1938)	(1957)	(1957)	(1957)	(1956)	(1956)	(1956)	(1953)	(1940)	(1957)	(1937)

06889500 SOLDIER CREEK NEAR TOPEKA, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1936 - 2005	
ANNUAL MEAN	81.8		171		155	
HIGHEST ANNUAL MEAN					590	1993
LOWEST ANNUAL MEAN					5.07	1956
HIGHEST DAILY MEAN	3,490	Mar 5	7,380	Jun 5	17,200	Sep 13, 1977
LOWEST DAILY MEAN	1.9	Jan 13	2.8	Oct 24	0.00	Jul 24, 1936
ANNUAL SEVEN-DAY MINIMUM	2.0	Jan 9	3.2	Oct 19	0.00	Aug 17, 1936
MAXIMUM PEAK FLOW			10,200	Sep 23	30,400	Jun 9, 1982
MAXIMUM PEAK STAGE			19.42	Sep 23	27.44	Jun 9, 1982
INSTANTANEOUS LOW FLOW			2.7	Oct 24	0.00	many years
ANNUAL RUNOFF (AC-FT)	59,380		123,500		112,100	
10 PERCENT EXCEEDS	168		207		238	
50 PERCENT EXCEEDS	20		32		29	
90 PERCENT EXCEEDS	3.3		11		2.1	

e Estimated



06890100 DELAWARE RIVER NEAR MUSCOTAH, KS

LOCATION.--Lat 39°31'17", long 95°31'57", in SW ¼ SW ¼ SW ¼ sec.16, T.6 S., R.17 E., Atchison County, Hydrologic Unit 10270103, on right bank at downstream side of county highway bridge, 2.0 mi south of Muscotah, and at mile 45.5.

DRAINAGE AREA.--431 mi^2.

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1964-67. July 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 920.88 ft above NGVD of 1929 (Kansas Geological Survey bench mark).

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1925 reached a stage of 36.5 ft, from information by local residents (discharge not determined). Floods in 1951 and 1967 were lower than the flood of 1925.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 5,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 13	0600	*9,060	*19.03	Jun 12	1400	7,450	17.25
Jun 11	1700	8,690	18.63				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.12	e4.1	e3.9	e12	18	24	9.1	16	39	76	4.5	5.8
2	0.10	e5.1	e3.9	e9.5	16	15	7.3	14	35	38	3.8	6.6
3	0.10	e4.8	e3.9	e11	17	15	7.2	13	517	30	3.4	88
4	0.09	e6.0	e3.8	e14	11	15	6.9	13	1,330	26	2.8	274
5	0.09	e4.5	e5.4	e13	12	15	7.5	12	2,560	24	2.7	44
6	0.09	e5.3	e9.0	e9.6	38	13	13	12	489	22	2.3	18
7	0.18	e5.2	e5.5	e6.6	94	13	36	11	193	19	2.1	11
8	0.31	e4.5	e5.8	e5.4	48	16	47	12	111	17	2.5	7.7
9	0.35	e4.6	e5.8	e5.3	68	12	31	15	79	15	3.7	5.9
10	0.39	e4.1	e5.7	e5.2	34	10	21	16	678	14	4.4	4.8
11	0.53	e4.1	e5.6	e5.6	22	16	19	418	5,210	13	2.6	3.8
12	0.59	e4.1	e5.5	e5.8	27	9.3	612	1,460	4,530	12	3.9	3.2
13	0.34	e4.4	e5.3	e5.2	894	8.3	215	5,120	2,050	12	12	2.8
14	0.22	e4.2	e5.3	e5.0	537	8.4	85	837	585	13	7.4	2.5
15	0.16	e4.3	e5.6	e4.7	174	8.1	50	354	302	14	9.7	3.5
16	0.13	e4.4	e5.8	e4.4	87	8.2	37	190	203	11	9.0	3.8
17	0.13	e4.5	e5.7	e4.1	54	8.7	30	123	153	10	5.7	3.8
18	0.14	e5.1	e5.7	e3.8	43	9.2	26	93	118	19	4.7	3.7
19	0.11	e4.9	e5.3	e3.5	40	8.2	24	79	97	19	43	3.7
20	0.13	e4.7	e5.4	e5.8	42	8.0	21	62	80	14	601	e3.2
21	0.18	e4.5	e4.5	55	40	8.5	80	54	68	9.6	135	e3.0
22	0.26	e4.4	e2.6	51	32	12	294	48	60	8.2	41	e3.0
23	0.22	e4.3	e2.4	32	27	19	60	41	52	7.2	25	e3.2
24	0.24	e4.2	e2.2	19	24	19	31	35	46	5.9	21	e3.0
25	0.17	e4.1	e2.2	16	22	17	25	32	40	5.0	23	e2.7
26	2.4	e4.1	e2.2	16	20	15	23	30	36	5.4	103	e2.4
27	8.5	e4.1	e2.3	18	19	13	21	27	33	25	40	e2.0
28	4.7	e4.0	e3.5	17	19	12	19	26	31	22	20	e2.0
29	4.7	e4.0	e4.3	18	---	11	18	25	32	12	14	e2.0
30	3.7	e4.0	e6.0	19	---	11	18	24	111	7.9	9.5	e2.0
31	2.8	---	e12	20	---	10	---	24	---	5.9	7.4	---
MEAN	1.04	4.49	4.91	13.6	88.5	12.5	63.1	298	662	17.2	37.7	17.5
MAX	8.5	6.0	12	55	894	24	612	5,120	5,210	76	601	274
MIN	0.09	4.0	2.2	3.5	11	8.0	6.9	11	31	5.0	2.1	2.0
AC-FT	64	267	302	834	4,920	769	3,760	18,320	39,410	1,060	2,320	1,040

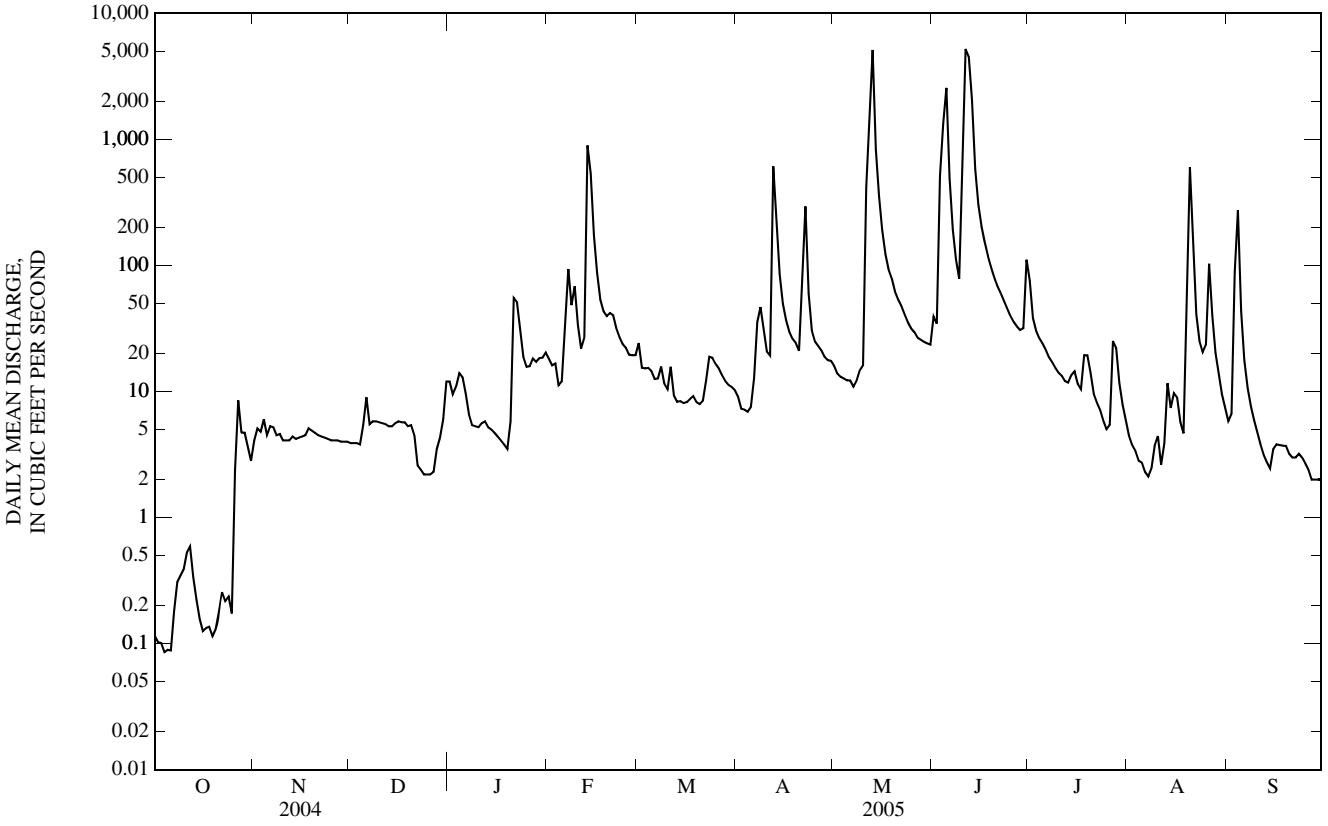
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2005, BY WATER YEAR (WY)

MEAN	165	162	109	82.5	178	344	385	478	427	340	150	303
MAX	1,921	1,240	655	545	917	1,703	1,771	2,355	2,725	4,103	1,039	2,474
(WY)	(1974)	(1999)	(1973)	(1973)	(1973)	(1973)	(1999)	(1995)	(1984)	(1993)	(1973)	(1977)
MIN	0.16	0.90	3.25	1.11	7.99	12.5	8.81	9.01	16.5	0.85	0.17	0.32
(WY)	(2004)	(2004)	(2001)	(2004)	(2003)	(2005)	(1989)	(1989)	(1988)	(2003)	(2003)	(1991)

06890100 DELAWARE RIVER NEAR MUSCOTAH, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1970 - 2005	
ANNUAL MEAN	68.5		101		260	
HIGHEST ANNUAL MEAN					830	1973
LOWEST ANNUAL MEAN					18.3	2003
HIGHEST DAILY MEAN	2,760	Mar 5	5,210	Jun 11	23,400	Oct 11, 1973
LOWEST DAILY MEAN	0.09	Oct 4	0.09	Oct 4	0.00	Sep 12, 2000
ANNUAL SEVEN-DAY MINIMUM	0.10	Sep 30	0.11	Oct 1	0.00	Aug 20, 2003
MAXIMUM PEAK FLOW			9,060	May 13	28,000	Sep 13, 1977
MAXIMUM PEAK STAGE			19.03	May 13	30.83	Sep 13, 1977
INSTANTANEOUS LOW FLOW			0.06	Oct 4	0.00	Aug 17, 1989
ANNUAL RUNOFF (AC-FT)	49,740		73,060		188,600	
10 PERCENT EXCEEDS	101		90		400	
50 PERCENT EXCEEDS	5.9		11		44	
90 PERCENT EXCEEDS	0.60		2.4		4.1	

e Estimated



06890898 PERRY LAKE NEAR PERRY, KS

LOCATION.--Lat 39°06'51", long 95°25'34", in NE $^1/_4$ NW $^1/_4$ NW $^1/_4$ sec.9, T.11 S., R.18 E., Jefferson County, Hydrologic Unit 10270103, in control tower near center of dam on Delaware River, 4.5 mi northwest of Perry, and at mile 5.8.

DRAINAGE AREA.--1,117 mi^2.

PERIOD OF RECORD.--March 1969 to current year. Prior to October 1971, published as "Perry Reservoir."

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by U.S. Army Corps of Engineers).

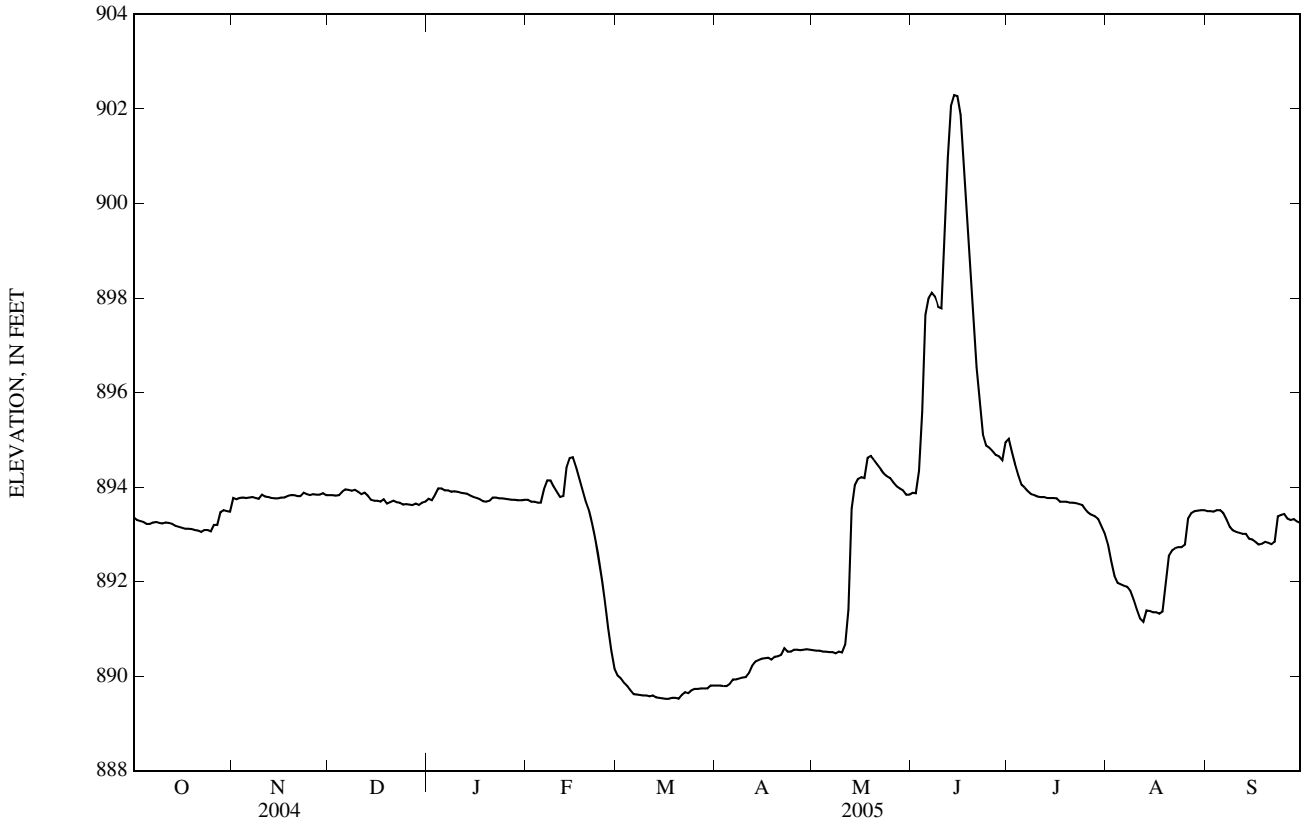
REMARKS.--Reservoir is formed by compacted earthfill dam. Some temporary storage occurred in Feb. 1969; dam was closed Mar. 21, 1969. Conservation pool elevation was first reached on June 3, 1970. Total capacity, 778,700 acre-ft, consisting of the following: Conservation pool, 225,000 acre-ft below elevation 891.5 ft; flood-control pool, 517,500 acre-ft between elevations 891.5 ft and 920.6 ft; and uncontrolled storage, 36,160 acre-ft between elevations 920.6 ft and 922.0 ft. Reservoir is used to store water for flood control, irrigation, and recreation. Figures given herein represent total contents. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 920.94 ft, July 26, 1993, contents, 734,000 acre-ft; minimum elevation since conservation pool was first reached, 884.90 ft, Apr. 14, 2003, contents, 143,600 acre-ft.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 902.34 ft, June 15, contents, 356,900 acre-ft; minimum elevation, 889.48 ft, Mar. 17, contents, 187,700 acre-ft.

Capacity table (elevation, in feet, and contents, in acre-feet)
(Computed by U.S. Army Corps of Engineers on basis of resurvey made in 1989)
(Effective date Oct. 1, 1990.)

Elevation	Contents	Elevation	Contents	Elevation	Contents
885	144,400	895	251,200	905	400,600
890	193,200	900	320,800		



06890898 PERRY LAKE NEAR PERRY, KS—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	893.36	893.77	893.83	893.75	893.73	890.01	889.80	890.55	893.88	895.02	892.79	893.49
2	893.30	893.74	893.83	893.72	893.69	889.95	889.80	890.54	893.87	894.74	892.44	893.49
3	893.28	893.77	893.82	893.84	893.69	889.86	889.79	890.54	894.34	894.48	892.12	893.48
4	893.26	893.78	893.83	893.97	893.67	889.79	889.79	890.52	895.59	894.25	891.97	893.51
5	893.22	893.77	893.90	893.97	893.67	889.70	889.84	890.52	897.64	894.05	891.94	893.51
6	893.22	893.78	893.95	893.93	893.95	889.62	889.93	890.51	898.00	893.99	891.91	893.45
7	893.25	893.79	893.94	893.93	894.14	889.61	889.93	890.51	898.11	893.91	891.89	893.31
8	893.26	893.77	893.92	893.90	894.14	889.60	889.95	890.48	898.03	893.85	891.80	893.16
9	893.24	893.75	893.94	893.91	894.01	889.59	889.97	890.52	897.81	893.83	891.62	893.08
10	893.23	893.84	893.90	893.90	893.90	889.59	889.98	890.50	897.78	893.80	891.41	893.05
11	893.25	893.80	893.85	893.88	893.79	889.57	890.07	890.67	899.26	893.79	891.22	893.03
12	893.24	893.79	893.88	893.87	893.81	889.59	890.22	891.41	900.96	893.79	891.15	893.01
13	893.22	893.77	893.82	893.86	894.41	889.55	890.31	893.54	902.06	893.77	891.39	893.01
14	893.18	893.76	893.73	893.82	e894.61	889.54	890.34	894.04	902.29	893.77	891.38	892.91
15	893.16	893.76	893.71	893.79	894.63	889.53	890.37	894.17	902.27	893.77	891.35	892.89
16	893.14	893.78	893.71	893.77	894.42	889.52	890.38	894.21	901.88	893.76	891.35	892.84
17	893.12	893.78	893.69	893.74	894.17	889.52	890.39	894.19	900.98	893.69	891.32	892.78
18	893.12	893.81	893.74	893.70	893.93	889.54	890.35	894.62	899.85	893.69	891.37	892.80
19	893.11	893.83	893.65	893.69	893.70	889.54	890.41	894.66	898.80	893.69	891.92	892.84
20	893.09	893.83	893.68	893.71	893.51	889.52	890.42	894.57	897.69	893.67	892.55	892.82
21	893.08	893.81	893.71	893.78	893.23	889.60	890.45	894.48	896.53	893.67	892.66	892.79
22	893.05	893.81	893.68	893.78	892.90	889.66	890.59	894.39	895.77	893.66	892.71	892.84
23	893.09	893.88	893.67	893.76	892.49	889.64	890.52	894.29	895.11	893.64	892.73	893.38
24	893.09	893.85	893.63	893.76	892.07	889.70	890.52	894.23	894.88	893.62	892.73	893.41
25	893.06	893.83	893.64	893.75	891.58	889.73	890.56	894.19	894.83	893.52	892.78	893.43
26	893.20	893.85	893.63	893.74	891.02	889.73	890.56	894.10	894.76	893.45	893.34	893.33
27	893.20	893.84	893.62	893.73	890.54	889.74	890.55	894.02	894.68	893.41	893.45	893.30
28	893.47	893.84	893.65	893.73	890.16	889.74	890.56	893.97	894.65	893.38	893.49	893.32
29	893.51	893.87	893.62	893.72	---	889.74	890.57	893.93	894.57	893.32	893.50	893.27
30	893.49	893.83	893.67	893.72	---	889.80	890.56	893.84	894.95	893.17	893.51	893.24
31	893.48	---	893.69	893.73	---	889.80	---	893.84	---	893.02	893.51	---
MEAN	893.22	893.80	893.76	893.80	893.34	889.67	890.25	892.79	897.39	893.78	892.24	893.16
MAX	893.51	893.88	893.95	893.97	894.63	890.01	890.59	894.66	902.29	895.02	893.51	893.51
MIN	893.05	893.74	893.62	893.69	890.16	889.52	889.79	890.48	893.87	893.02	891.15	892.78
(+)	232,400	236,600	234,900	235,400	194,900	191,100	199,200	236,700	250,500	226,900	232,800	229,600
(#)	+1,600	+4,200	-1,700	+500	-40,500	-3,800	+8,100	+37,500	+13,800	-23,600	+5,900	-3,200

CAL YR 2004 ..... (#) +72,700
WTR YR 2005 ..... (#) -1,200

+ CONTENTS, IN ACRE-FEET, AT END OF MONTH.
# CHANGE IN CONTENTS, IN ACRE-FEET.

e Estimated

06890900 DELAWARE RIVER AT PERRY, KS

LOCATION.--Lat 39°04'30", long 95°24'13", in NE ¼ SW ¼ SW ¼ sec.22, T.11 S., R.18 E., Jefferson County, Hydrologic Unit 10270103, 0.5 mi west of Perry on Bridge Street at right downstream end of bridge, and at mile 1.4.

DRAINAGE AREA.--1,141 mi^2.

PERIOD OF RECORD.--March 1969 to current year. Prior to September 2003 published as "below Perry Dam."

REVISED RECORDS.--WDR KS-83-1: 1982.

GAGE.--Water-stage and velocity recorders. Prior to May 5, 2003, water-stage records for reservoir elevations and gated outflow structure. Prior to May 5, 2003, at site 4.4 mi upstream at same datum.

REMARKS.--Records poor. Flow completely regulated since 1969 by Perry Lake (station 06890898). After May 5, 2003, discharge computed by velocity-index method. This station is located near the confluence of the Kansas River and discharge computed can, at times, be affected by backwater. During periods of backwater, water velocity that is continuously measured will be negative and therefore discharge computed will be negative. Satellite telemeter at station.

COOPERATION.--Reservoir elevation-discharge ratings for reservoir outflow gates and gate operation logs furnished by U.S. Army Corps of Engineers.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

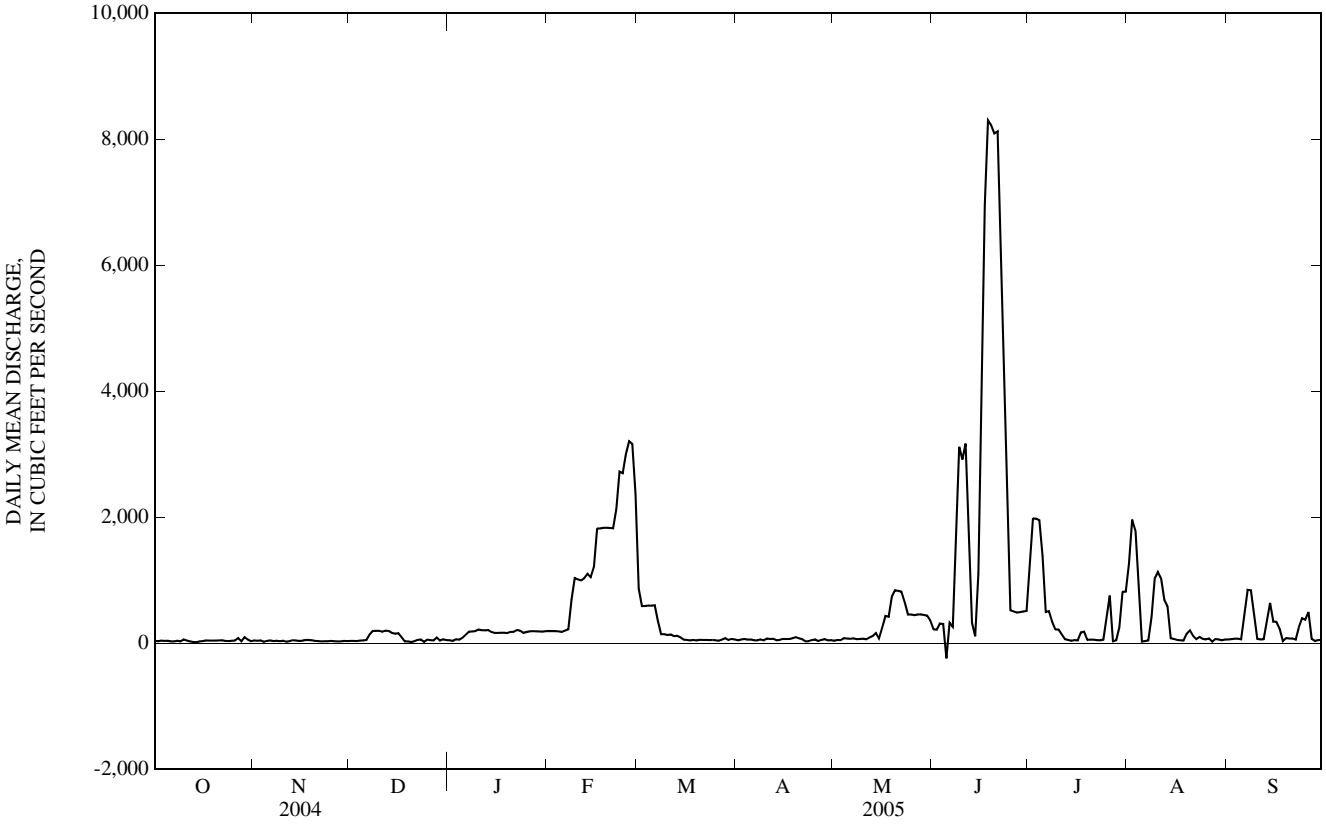
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	45	37	48	194	865	48	40	221	1,230	1,260	62
2	32	39	38	39	193	592	60	54	216	1,980	1,960	65
3	44	45	36	63	193	590	69	51	311	1,980	1,780	72
4	37	24	43	59	190	599	58	81	308	1,950	1,020	74
5	39	37	46	89	181	596	62	77	-239	1,390	27	64
6	31	46	54	137	200	604	49	71	326	495	34	437
7	29	34	139	186	220	352	45	77	260	509	46	848
8	41	40	195	188	689	145	60	67	1,590	346	413	842
9	29	34	198	192	1,030	144	45	69	3,120	220	1,030	446
10	61	42	197	218	1,010	132	76	74	2,920	219	1,130	70
11	44	26	183	208	997	138	69	64	3,170	141	1,030	61
12	30	34	200	206	1,030	113	70	92	1,680	65	689	67
13	20	47	196	210	1,100	119	48	114	324	53	586	347
14	19	45	166	180	1,050	93	54	162	111	40	81	639
15	29	39	152	166	1,210	57	68	73	1,110	51	69	344
16	35	41	160	165	1,820	53	67	245	3,200	46	53	340
17	45	54	97	168	1,820	46	68	433	6,950	173	49	230
18	42	51	30	168	1,830	53	77	417	8,300	185	42	35
19	44	48	31	163	1,830	46	97	738	8,220	55	152	83
20	43	37	20	180	1,830	55	78	840	8,090	58	206	77
21	44	36	34	182	1,830	54	66	832	8,120	57	117	77
22	48	31	54	210	2,130	52	29	820	5,730	51	66	57
23	39	34	60	201	2,720	50	32	658	3,980	47	102	254
24	34	33	24	166	2,700	53	50	457	1,960	57	70	397
25	41	38	57	177	3,000	49	60	456	522	412	61	372
26	42	34	51	190	3,210	39	36	448	505	756	76	494
27	84	30	47	192	3,160	58	54	457	488	30	25	71
28	30	30	91	189	2,370	80	65	459	494	45	69	38
29	97	38	44	189	---	53	46	450	504	253	61	51
30	57	35	63	185	---	67	51	438	512	818	48	56
31	33	---	51	193	---	62	---	360	---	819	60	---
MEAN	41.4	38.2	90.1	165	1,419	194	58.6	312	2,433	469	400	236
MAX	97	54	200	218	3,210	865	97	840	8,300	1,980	1,960	848
MIN	19	24	20	39	181	39	29	40	-239	30	25	35
AC-FT	2,550	2,280	5,540	10,130	78,820	11,920	3,490	19,190	144,800	28,820	24,620	14,020

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2005, BY WATER YEAR (WY)

MEAN	630	535	457	224	451	612	1,003	977	1,355	882	596	480
MAX	4,827	4,160	2,618	2,446	2,314	3,260	4,380	4,929	7,077	4,649	7,610	5,159
(WY)	(1974)	(1974)	(1993)	(1973)	(1973)	(1973)	(1973)	(1999)	(1995)	(1984)	(1993)	(1977)
MIN	9.00	0.00	0.00	0.00	15.4	16.4	22.3	22.0	22.0	24.1	22.6	9.00
(WY)	(2001)	(1984)	(1984)	(1984)	(1970)	(1970)	(1989)	(1989)	(1989)	(1989)	(1989)	(2000)

06890900 DELAWARE RIVER AT PERRY, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1970 - 2005	
ANNUAL MEAN	198		478		683	
HIGHEST ANNUAL MEAN					1,933	1993
LOWEST ANNUAL MEAN					41.8	2003
HIGHEST DAILY MEAN	3,310	Jul 6	8,300	Jun 18	14,000	May 31, 1995
LOWEST DAILY MEAN	-61	Mar 5	-239	Jun 5	-239	Jun 5, 2005
ANNUAL SEVEN-DAY MINIMUM	31	Jan 12	31	Oct 12	0.00	Oct 12, 1973
MAXIMUM PEAK FLOW			8,370	Jun 18	15,200	Jun 1, 1995
INSTANTANEOUS LOW FLOW			-700	Jun 5	0.00	many years
ANNUAL RUNOFF (AC-FT)	143,600		346,200		495,200	
10 PERCENT EXCEEDS	451		1,160		2,000	
50 PERCENT EXCEEDS	54		77		100	
90 PERCENT EXCEEDS	30		35		25	



06891000 KANSAS RIVER AT LECOMPTON, KS

LOCATION.--Lat 39°03'04", long 95°23'10", in SE ¼ SW ¼ NW ¼ sec.35, T.11 S., R.18 E., Jefferson County, Hydrologic Unit 10270104, on left bank at upstream side of county highway bridge at Lecompton, 0.8 mi downstream from Delaware River, and at mile 63.8.

DRAINAGE AREA.--58,460 mi^2, approximately, of which a large area is noncontributing.

PERIOD OF RECORD.--January to November 1896 and April to July 1906 (gage heights only), March 1936 to current year. Records for April 1899 to December 1905 published in WSP 37, 39, 50, 52, 66, 75, 84, 99, 131, 172, and 796-B have been found to be unreliable and should not be used.

REVISED RECORDS.--WSP 876: 1937. WSP 1176: 1903(M). WSP 1440: 1948-49(P). See also PERIOD OF RECORD.

GAGE.--Water-stage recorder. Datum of gage is 821.84 ft above NGVD of 1929. Prior to July 30, 1952, nonrecording gage, and July 30, 1952, to Apr. 29, 1970, recording gage, at site 0.15 mi upstream at same datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Natural flow affected by lakes and reservoirs in Colorado, Nebraska, and Kansas, and by numerous diversions upstream from station. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since 1844, 30.23 ft, July 13, 1951. Flood of May 31, 1903 (second highest since 1844), reached a stage of 27.9 ft, from floodmark.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,150	1,410	1,030	2,180	1,950	4,130	1,610	3,050	5,500	9,830	1,760	3,450
2	1,100	1,450	1,030	1,680	1,830	3,430	1,520	2,980	5,230	8,020	2,450	2,900
3	1,110	1,020	1,020	2,110	1,750	2,690	1,440	2,940	6,750	6,760	2,230	2,420
4	1,100	1,000	968	2,860	1,710	2,470	1,370	2,510	14,500	11,300	2,250	1,960
5	1,070	1,080	1,030	2,370	1,670	2,400	1,330	1,750	53,700	7,400	2,110	1,740
6	1,150	1,040	1,520	1,590	2,060	2,350	1,470	1,580	41,000	5,300	1,970	1,830
7	1,980	999	1,480	1,400	5,680	2,170	1,800	1,380	21,100	4,300	2,000	2,090
8	2,320	974	1,320	1,390	5,030	1,910	2,080	1,260	16,100	3,260	2,230	2,070
9	2,370	905	1,230	1,510	3,730	1,840	2,890	1,210	14,800	2,910	2,740	2,200
10	2,230	895	1,180	1,740	3,420	1,780	5,430	1,170	16,000	2,740	2,760	1,920
11	1,500	1,110	1,120	1,570	4,570	1,730	5,340	1,130	49,400	2,580	2,700	1,940
12	1,600	1,170	1,070	1,490	4,830	1,690	4,930	2,030	47,000	2,400	2,430	2,150
13	1,330	1,070	1,050	1,380	10,100	1,640	4,790	13,900	40,900	2,400	3,510	2,490
14	1,180	990	1,030	1,090	10,900	1,590	4,930	13,600	20,400	2,290	2,860	2,760
15	1,120	939	1,010	1,090	7,200	1,520	4,490	6,490	17,200	2,190	1,620	2,650
16	1,090	919	1,050	e1,100	6,750	1,500	4,130	7,310	16,100	2,080	1,250	3,090
17	1,060	918	989	e1,250	6,470	1,450	3,890	5,600	18,700	2,110	1,130	3,070
18	1,050	904	960	e1,380	6,130	1,400	3,750	6,370	19,600	1,990	2,070	3,820
19	1,050	910	969	e1,500	6,050	1,350	3,660	8,390	18,200	1,590	2,660	4,570
20	1,040	869	1,120	e1,700	5,990	1,250	3,570	6,960	17,400	2,620	8,700	3,360
21	1,040	868	2,100	2,660	5,830	1,200	3,480	6,470	15,100	2,560	5,540	2,890
22	1,060	874	2,290	3,230	5,850	1,290	3,350	6,200	13,900	1,850	4,950	2,490
23	1,050	901	e2,000	2,190	6,330	1,400	3,310	5,880	12,300	1,470	2,970	21,700
24	1,020	1,140	e1,500	1,840	6,210	1,410	3,220	5,620	10,200	1,270	2,340	20,400
25	1,000	1,180	e1,800	1,960	6,210	1,410	3,130	5,580	7,510	1,390	2,790	6,450
26	1,440	1,080	e2,800	1,990	6,290	2,080	3,150	5,530	6,190	1,700	3,300	3,650
27	1,560	1,080	e3,200	2,100	6,230	2,850	3,100	5,430	5,580	1,100	11,300	2,110
28	2,740	1,070	e3,250	2,020	5,640	2,540	3,020	5,400	5,460	1,050	13,000	2,310
29	2,710	1,020	3,290	1,900	---	2,140	3,020	5,370	5,530	1,120	8,830	2,390
30	1,440	1,020	3,170	1,870	---	1,880	3,120	5,420	5,560	1,570	6,000	2,300
31	1,170	---	2,680	1,970	---	1,720	---	5,470	---	1,510	4,450	---
MEAN	1,414	1,027	1,621	1,810	5,229	1,942	3,211	4,967	18,230	3,247	3,771	3,972
MAX	2,740	1,450	3,290	3,230	10,900	4,130	5,430	13,900	53,700	11,300	13,000	21,700
MIN	1,000	868	960	1,090	1,670	1,200	1,330	1,130	5,230	1,050	1,130	1,740
AC-FT	86,940	61,100	99,680	111,300	290,400	119,400	191,100	305,400	1,085,000	199,700	231,900	236,400

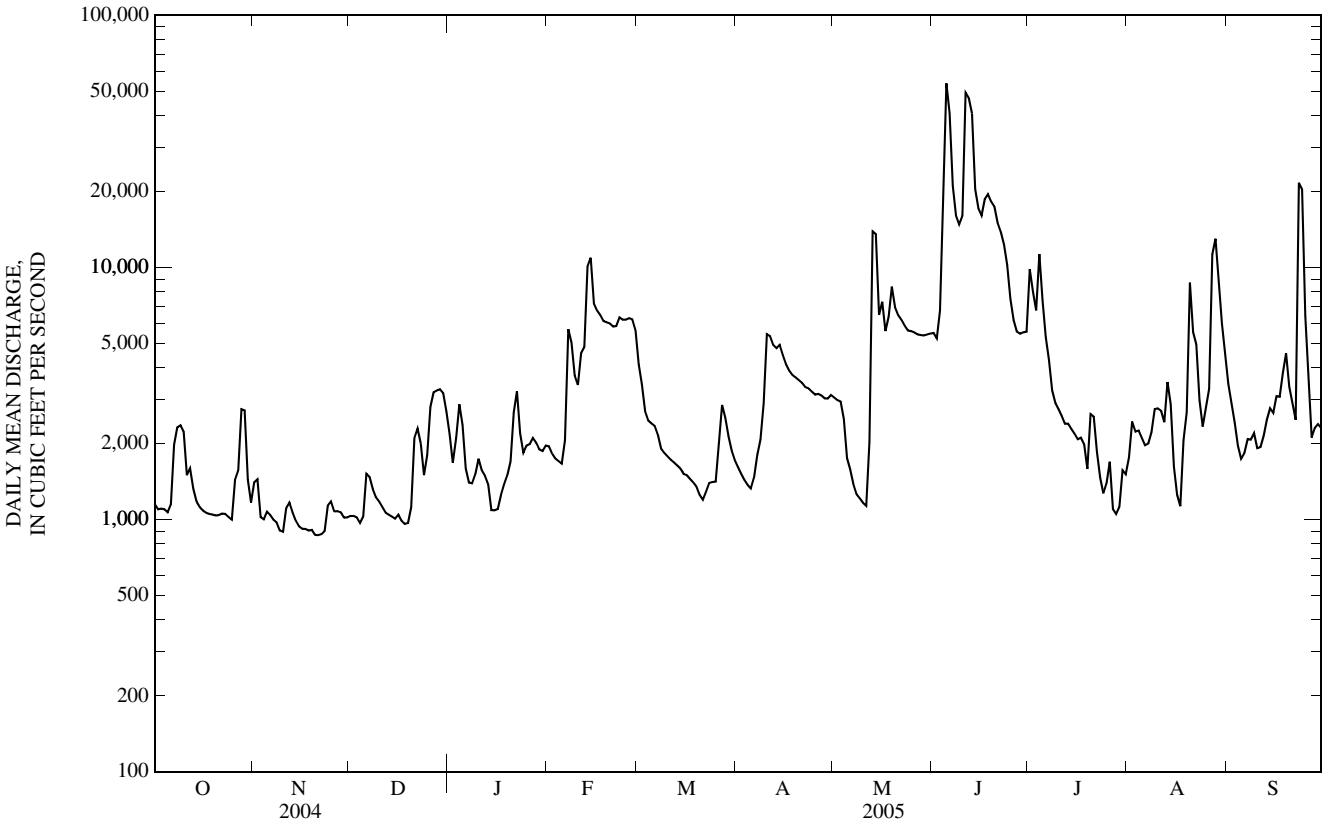
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2005, BY WATER YEAR (WY)

MEAN	5,582	4,218	3,527	2,732	4,441	7,025	8,884	10,540	14,330	11,880	6,818	6,174
MAX	49,500	41,790	20,690	13,740	19,640	31,540	39,070	40,820	81,560	116,500	65,080	36,200
(WY)	(1974)	(1974)	(1974)	(1974)	(1949)	(1973)	(1987)	(1995)	(1951)	(1951)	(1993)	(1951)
MIN	349	417	377	329	496	564	774	784	1,120	1,190	602	448
(WY)	(1957)	(1957)	(1957)	(1957)	(1957)	(1967)	(1956)	(1956)	(1989)	(1940)	(1955)	(1956)

06891000 KANSAS RIVER AT LECOMPTON, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1937 - 2005	
ANNUAL MEAN	3,611		4,169		7,186	
HIGHEST ANNUAL MEAN					28,330	1993
LOWEST ANNUAL MEAN					1,275	1956
HIGHEST DAILY MEAN	24,400	Mar 5	53,700	Jun 5	472,000	Jul 13, 1951
LOWEST DAILY MEAN	868	Nov 21	868	Nov 21	185	Oct 13, 1956
ANNUAL SEVEN-DAY MINIMUM	892	Nov 17	892	Nov 17	200	Oct 8, 1956
MAXIMUM PEAK FLOW			73,200	Jun 5	483,000	Jul 13, 1951
MAXIMUM PEAK STAGE			16.99	Jun 5	30.23	Jul 13, 1951
INSTANTANEOUS LOW FLOW			803	Jan 14	185	Oct 13, 1956
ANNUAL RUNOFF (AC-FT)	2,621,000		3,018,000		5,206,000	
10 PERCENT EXCEEDS	9,300		7,440		17,200	
50 PERCENT EXCEEDS	1,980		2,190		3,300	
90 PERCENT EXCEEDS	1,020		1,050		985	

e Estimated



06891260 WAKARUSA RIVER NEAR RICHLAND, KS

LOCATION.--Lat 38°53'31", long 95°35'40", in SE ¼ SE ¼ NE ¼ sec.26, T.13 S., R.16 E., Shawnee County, Hydrologic Unit 10270104, on left bank at upstream side of the bridge on Paulen Road and at mile 38.5.

DRAINAGE AREA.--164 mi^2.

PERIOD OF RECORD.--October 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is 880.00 ft above NGVD of 1929 from topographic map.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.8	85	56	35	77	60	32	19	23	1,730	4.0	19
2	8.4	109	54	33	72	56	30	18	23	377	3.4	17
3	8.4	66	52	346	64	55	29	16	315	e406	2.9	16
4	8.3	60	49	618	60	53	29	15	1,490	e1,500	3.2	14
5	7.9	58	71	718	58	49	28	14	519	429	3.7	11
6	7.8	52	291	262	338	48	86	14	194	195	3.6	8.6
7	10	43	183	181	1,200	52	210	13	110	118	3.4	7.4
8	12	37	115	119	518	50	118	13	71	74	2.8	6.3
9	12	33	89	111	242	46	77	12	59	50	0.99	5.2
10	10	34	73	213	172	45	60	12	62	35	0.80	4.4
11	11	170	63	180	175	42	53	11	1,720	27	0.66	4.1
12	14	103	59	136	340	40	49	18	1,800	20	1.8	3.6
13	16	64	52	113	1,270	38	45	2,550	2,600	21	7.7	3.4
14	13	51	45	e80	751	36	41	883	747	20	27	4.1
15	11	45	42	e65	333	35	37	279	270	16	20	8.1
16	9.8	41	43	e55	195	34	34	143	157	15	13	19
17	8.7	40	42	53	147	34	33	93	109	13	8.8	27
18	8.0	41	42	51	119	34	30	71	78	13	6.8	189
19	7.7	44	40	55	110	31	29	74	59	15	6.0	101
20	7.1	42	38	154	141	30	28	66	49	116	495	55
21	6.7	38	38	371	140	30	27	50	40	52	214	28
22	6.8	35	e35	173	114	37	25	40	34	22	82	18
23	6.8	33	e29	140	95	57	22	34	29	16	266	49
24	6.7	50	e24	83	85	59	21	29	22	12	140	86
25	4.7	95	e26	68	79	54	20	25	19	9.4	212	37
26	32	136	28	67	71	48	20	22	18	8.8	517	20
27	135	119	30	65	67	43	20	20	16	9.2	317	15
28	64	77	32	64	64	41	20	20	14	8.4	136	12
29	45	62	32	57	---	39	19	18	14	7.9	73	9.4
30	35	58	35	61	---	38	19	16	190	7.1	43	7.5
31	28	---	36	71	---	35	---	15	---	6.3	26	---
MEAN	18.4	64.0	59.5	155	253	43.5	43.0	149	362	173	85.2	26.8
MAX	135	170	291	718	1,270	60	210	2,550	2,600	1,730	517	189
MIN	4.7	33	24	33	58	30	19	11	14	6.3	0.66	3.4
AC-FT	1,130	3,810	3,660	9,520	14,080	2,680	2,560	9,170	21,520	10,610	5,240	1,600

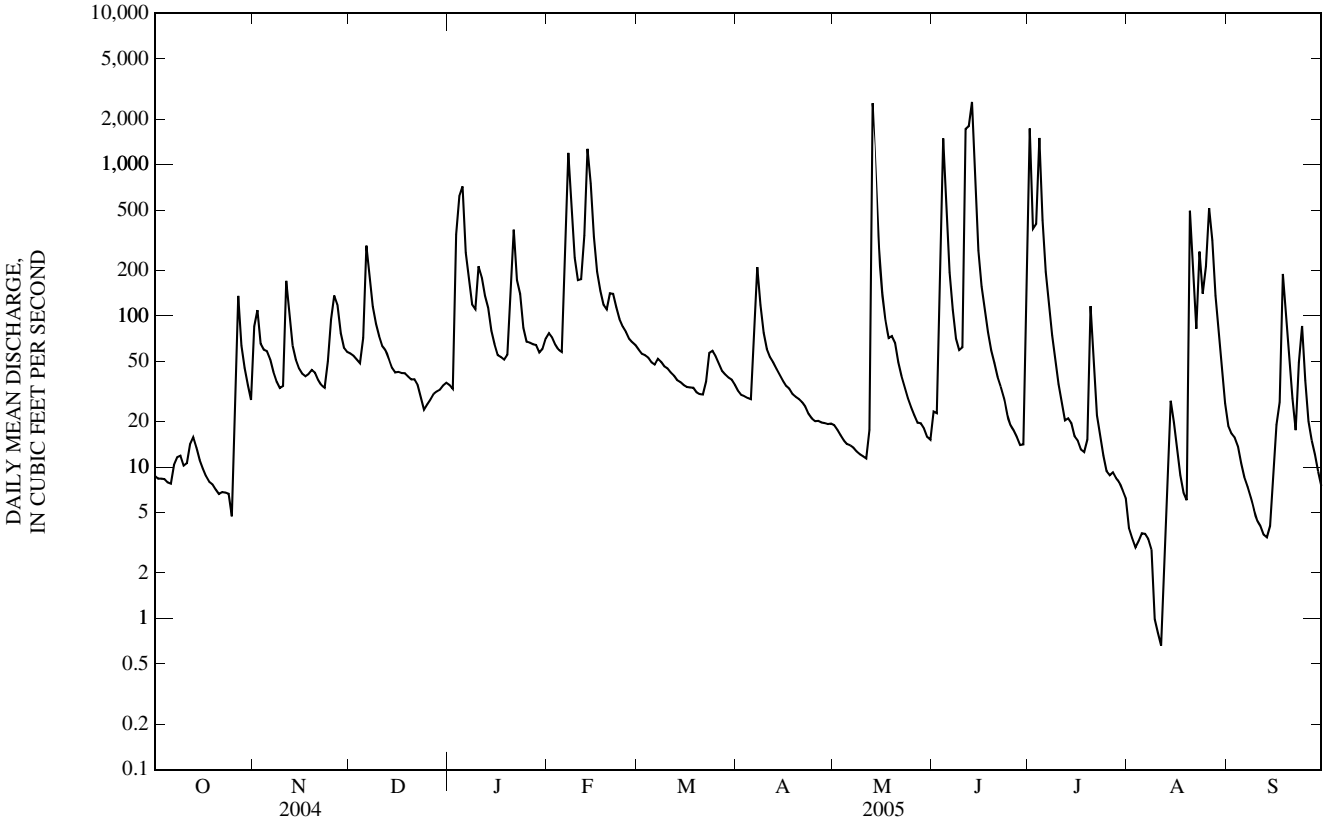
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	9.48	22.5	22.5	53.3	100	109	118	78.3	228	184	156	30.8
MAX	18.4	64.0	59.5	155	253	280	293	149	362	374	370	46.9
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2003)	(2005)	(2005)	(2004)	(2004)	(2004)
MIN	0.56	0.62	0.50	0.55	4.77	4.23	19.3	35.7	77.9	4.38	13.7	18.6
(WY)	(2004)	(2004)	(2003)	(2003)	(2003)	(2003)	(2004)	(2004)	(2003)	(2003)	(2003)	(2003)

06891260 WAKARUSA RIVER NEAR RICHLAND, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2003 - 2005	
ANNUAL MEAN	131		118		119	
HIGHEST ANNUAL MEAN					120	2004
LOWEST ANNUAL MEAN					118	2005
HIGHEST DAILY MEAN	4,800	Aug 24	2,600	Jun 13	4,800	Aug 24, 2004
LOWEST DAILY MEAN	1.2	Jan 10	0.66	Aug 11	0.00	Aug 21, 2003
ANNUAL SEVEN-DAY MINIMUM	1.5	Jan 7	2.0	Aug 6	0.00	Aug 21, 2003
MAXIMUM PEAK FLOW			4,260	Jun 13	6,800	Jul 24, 2004
MAXIMUM PEAK STAGE			16.99	Jun 13	16.99	Jun 13, 2005
INSTANTANEOUS LOW FLOW			0.31	Aug 12	0.00	Aug 16, 2003
ANNUAL RUNOFF (AC-FT)	95,070		85,570		86,230	
10 PERCENT EXCEEDS	163		212		190	
50 PERCENT EXCEEDS	26		40		25	
90 PERCENT EXCEEDS	5.0		8.0		1.7	

e Estimated



06891478 CLINTON LAKE NEAR LAWRENCE, KS

LOCATION.--Lat 38°55'52", long 95°19'56", in NW ¼ SW ¼ SW ¼ sec.8, T.13 S., R.19 E., Douglas County, Hydrologic Unit 10270104, in control tower of Clinton Dam on Wakarusa River, 4.0 mi west of Lawrence, and at mile 22.3.

DRAINAGE AREA.--367 mi^2.

PERIOD OF RECORD.--December 1977 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by U.S. Army Corps of Engineers).

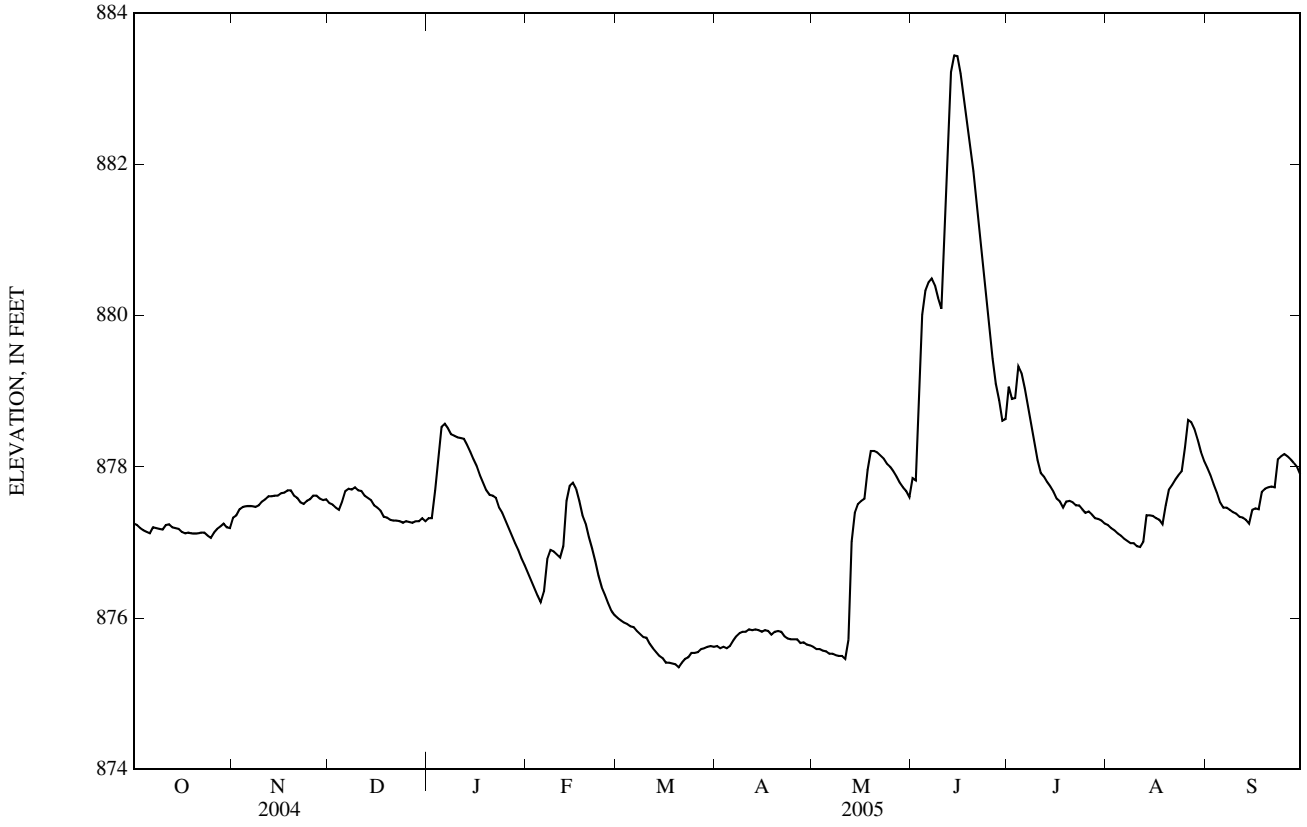
REMARKS.--Records good. Reservoir is formed by compacted earthfill dam. Storage began Nov. 30, 1977. Conservation pool elevation was first reached Apr. 3, 1980. Total capacity, 683,400 acre-ft, consisting of the following: Dead storage, 90 acre-ft below elevation 825.0 ft; conservation pool, 129,100 acre-ft between elevations 825.0 ft and 875.5 ft; flood-control pool, 268,400 acre-ft between elevations 875.5 ft and 903.4 ft; and surcharge pool, 285,800 acre-ft between elevations 903.4 ft and 921.4 ft. Reservoir is used for flood control, conservation, and recreation. Figures given herein represent total contents. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 892.48 ft, May 29, 1995, contents, 274,500 acre-ft; minimum elevation since conservation pool first reached, 871.60 ft, Aug. 18, 1989, contents, 103,300 acre-ft.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 883.50 ft, June 15, contents, 191,000 acre-ft; minimum elevation, 875.30 ft, Mar. 17, contents, 127,800 acre-ft.

Capacity table (elevation, in feet, and contents, in acre-feet)
(Computed by U.S. Army Corps of Engineers in 1965)

Elevation	Contents	Elevation	Contents	Elevation	Contents
874	118,900	878	147,200	882	178,500
876	132,700	880	162,500	884	195,300



06891478 CLINTON LAKE NEAR LAWRENCE, KS—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	877.25	877.33	877.52	877.32	876.60	876.00	875.63	875.62	877.85	879.06	877.23	877.99
2	877.23	877.36	877.50	877.32	876.50	875.97	875.60	875.59	877.82	878.90	877.19	877.89
3	877.19	877.44	877.46	877.69	876.40	875.94	875.62	875.59	878.76	878.91	877.16	877.77
4	877.16	877.47	877.43	878.12	876.30	875.92	875.60	875.57	880.01	879.33	877.12	877.66
5	877.14	877.48	877.54	878.53	876.21	875.89	875.63	875.56	880.33	879.24	877.09	877.53
6	877.12	877.48	877.68	878.57	876.35	875.88	875.70	875.53	880.44	879.04	877.05	877.46
7	877.20	877.48	877.71	878.51	876.78	875.83	875.76	875.53	880.49	878.81	877.02	877.46
8	877.19	877.47	877.70	878.43	876.90	875.79	875.80	875.51	880.40	878.58	876.99	877.43
9	877.18	877.49	877.73	878.41	876.88	875.75	875.82	875.50	880.23	878.33	876.99	877.40
10	877.17	877.54	877.69	878.39	876.84	875.74	875.82	875.50	880.09	878.09	876.95	877.38
11	877.23	877.57	877.68	878.38	876.80	875.66	875.85	875.46	881.11	877.92	876.94	877.34
12	877.24	877.61	877.62	878.37	876.95	875.60	875.84	875.71	882.17	877.87	877.01	877.33
13	877.20	877.61	877.59	878.29	877.55	875.55	875.85	877.01	883.22	877.80	877.36	877.30
14	877.19	877.62	877.56	878.20	877.75	875.50	875.84	877.39	883.44	877.74	877.36	877.25
15	877.18	877.62	877.49	878.10	877.79	875.47	875.82	877.51	883.43	877.67	877.35	877.43
16	877.14	877.65	877.46	878.01	877.71	875.41	875.84	877.55	883.20	877.58	877.32	877.45
17	877.12	877.66	877.42	877.89	877.55	875.41	875.83	877.58	882.92	877.54	877.30	877.44
18	877.13	877.69	877.34	877.79	877.36	875.40	875.78	877.96	882.61	877.46	877.24	877.67
19	877.12	877.69	877.33	877.69	877.25	875.39	875.82	878.21	882.26	877.54	877.49	877.71
20	877.12	877.62	877.30	877.63	877.07	875.35	875.83	878.21	881.91	877.55	877.70	877.73
21	877.12	877.59	877.29	877.62	876.92	875.41	875.82	878.19	881.49	877.53	877.76	877.74
22	877.13	877.53	877.29	877.59	876.75	875.46	875.76	878.15	881.11	877.49	877.83	877.73
23	877.13	877.51	877.28	877.46	876.56	875.48	875.73	878.11	880.69	877.49	877.89	878.10
24	877.09	877.55	877.26	877.39	876.41	875.54	875.72	878.04	880.24	877.44	877.94	878.14
25	877.06	877.57	877.28	877.29	876.31	875.54	875.72	878.00	879.84	877.39	878.25	878.17
26	877.13	877.62	877.27	877.19	876.20	875.55	875.72	877.94	879.43	877.41	878.62	878.14
27	877.18	877.62	877.26	877.09	876.10	875.59	875.67	877.87	879.10	877.37	878.59	878.10
28	877.21	877.58	877.28	876.99	876.04	875.60	875.68	877.79	878.88	877.32	878.50	878.05
29	877.25	877.56	877.28	876.90	---	875.62	875.65	877.73	878.61	877.31	878.36	878.00
30	877.20	877.57	877.32	876.79	---	875.63	875.64	877.68	878.63	877.29	878.20	877.90
31	877.19	---	877.28	876.70	---	875.62	---	877.60	---	877.25	878.08	---
MEAN	877.17	877.55	877.45	877.76	876.82	875.63	875.75	876.94	880.69	877.94	877.54	877.69
MAX	877.25	877.69	877.73	878.57	877.79	876.00	875.85	878.21	883.44	879.33	878.62	878.17
MIN	877.06	877.33	877.26	876.70	876.04	875.35	875.60	875.46	877.82	877.25	876.94	877.25
(+)	141,300	144,100	141,900	137,700	133,000	130,000	130,200	144,300	152,000	141,700	147,800	146,500
(#)	-500	+2,800	-2,200	-4,200	-4,700	-3,000	+200	+14,100	+7,700	-10,300	+6,100	-1,300

CAL YR 2004 ..... (#) +18,100
WTR YR 2005 ..... (#) +4,700

+ CONTENTS, IN ACRE-FEET, AT END OF MONTH.
# CHANGE IN CONTENTS, IN ACRE-FEET.

06891500 WAKARUSA RIVER NEAR LAWRENCE, KS

LOCATION.--Lat 38°54'41", long 95°15'39", in NE ¼ NE ¼ NE ¼ sec.23, T.13 S., R.19 E., Douglas County, Hydrologic Unit 10270104, on left bank at upstream side of bridge on U.S. Highway 59, 4 mi south of Lawrence, and at mile 16.3.

DRAINAGE AREA.--425 mi^2, Dec. 1, 1972, to Sept. 30, 1980, 412 mi^2.

PERIOD OF RECORD.--April 1929 to current year. Published as "below Clinton Dam" December 1972 to September 1980.

REVISED RECORDS.--WSP 976: 1935. WSP 1310: 1929(M), 1933(M), 1938(M), 1945-47(M), 1949-50(M). WSP 1919: 1958, 1959.

GAGE.--Water-stage recorder. Datum of gage is 799.26 ft above NGVD of 1929. Prior to May 7, 1959, nonrecording gage, and May 8, 1959, to Nov. 30, 1972, water-stage recorder at present site and datum. Dec. 1, 1972, to Sept. 30, 1980, water-stage recorder at site 2.3 mi upstream at datum 3.95 ft higher.

REMARKS.--Records good. Flow significantly regulated since 1977 by Clinton Lake (station 06891478), 6.0 mi upstream. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1880, that of July 12, 1951.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

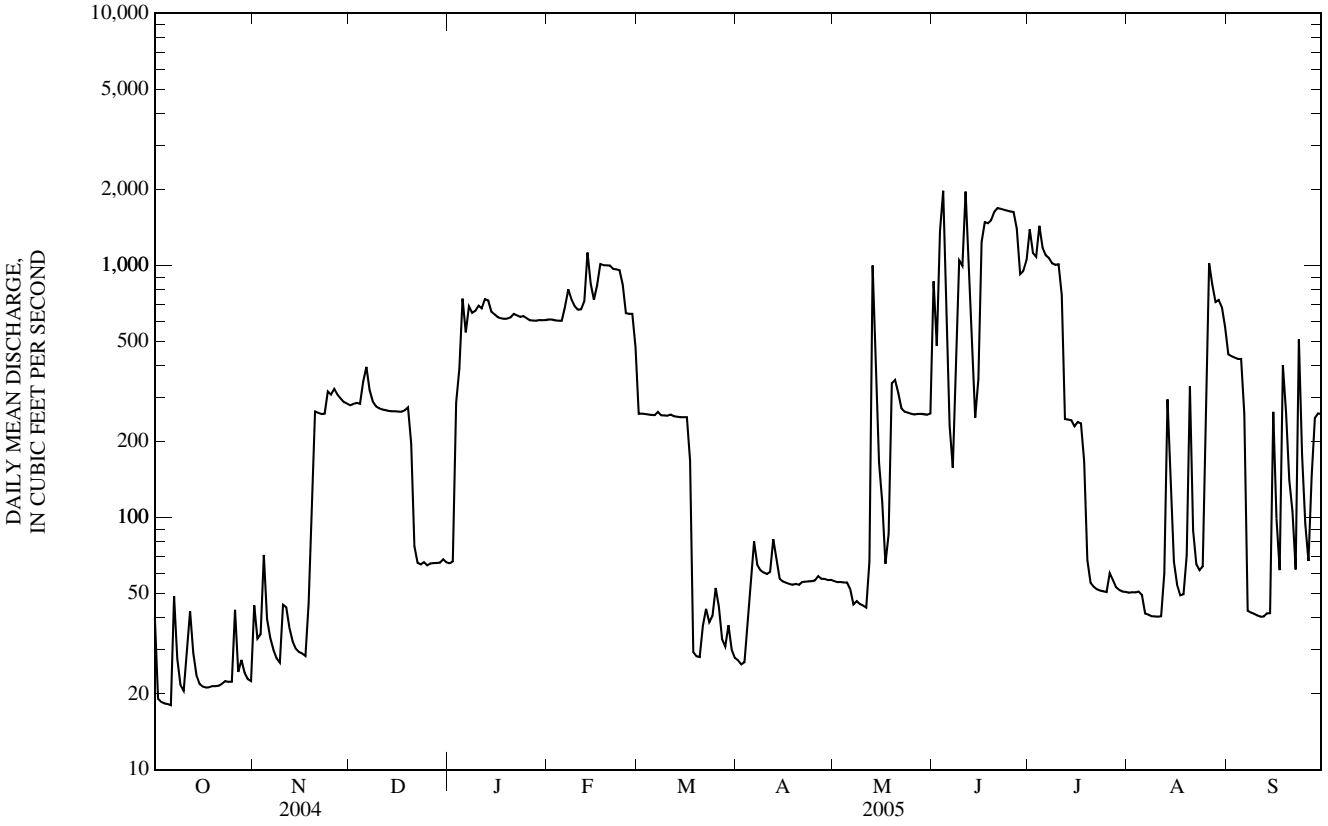
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	45	279	66	611	258	27	56	865	1,390	50	444
2	19	33	283	67	610	258	26	55	479	1,120	51	437
3	19	34	285	286	605	258	27	56	1,370	1,080	51	431
4	18	71	282	390	604	256	37	55	1,980	1,440	51	426
5	18	40	347	738	604	255	57	55	565	1,180	49	426
6	18	33	396	543	685	255	80	52	232	1,100	42	258
7	49	30	320	689	804	263	65	45	158	1,070	41	43
8	28	28	289	650	735	255	62	47	339	1,020	41	42
9	22	27	276	661	690	254	61	45	1,050	1,010	41	42
10	21	45	271	693	668	253	60	45	995	1,010	40	41
11	31	44	268	676	670	256	61	44	1,960	764	41	40
12	43	36	267	734	720	252	82	67	1,050	246	60	40
13	29	32	265	727	1,130	251	68	1,000	496	245	294	42
14	24	30	264	656	847	250	57	360	249	243	155	42
15	22	29	264	640	731	250	56	165	355	230	67	263
16	21	29	263	624	835	250	55	115	1,240	239	54	99
17	21	28	263	617	1,010	168	55	66	1,480	236	49	62
18	21	46	266	615	1,000	29	54	86	1,470	167	50	403
19	21	114	274	616	1,000	28	55	341	1,510	68	71	260
20	21	263	197	622	1,000	28	54	352	1,630	55	331	141
21	22	260	77	642	969	37	56	313	1,690	53	89	106
22	22	258	66	634	965	43	56	271	1,680	52	65	62
23	22	258	65	625	958	38	56	263	1,660	51	62	509
24	22	317	67	630	840	41	56	261	1,650	51	64	177
25	22	307	65	618	647	53	56	258	1,640	51	397	95
26	43	324	66	606	643	44	58	257	1,630	60	1,020	67
27	24	308	66	604	643	33	57	258	1,400	57	837	146
28	27	296	66	604	474	31	57	258	924	53	716	248
29	24	287	66	608	---	37	57	257	952	52	730	259
30	23	283	68	606	---	30	57	256	1,050	51	683	257
31	22	---	66	607	---	28	---	258	---	51	568	---
MEAN	25.1	131	205	584	775	153	55.5	194	1,125	468	221	197
MAX	49	324	396	738	1,130	263	82	1,000	1,980	1,440	1,020	509
MIN	18	27	65	66	474	28	26	44	158	51	40	40
AC-FT	1,550	7,810	12,610	35,890	43,040	9,410	3,300	11,930	66,940	28,750	13,610	11,720

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2005, BY WATER YEAR (WY)

MEAN	148	150	118	94.2	137	258	321	361	461	313	119	120
MAX	2,038	1,953	1,099	584	775	2,076	2,275	2,324	3,137	3,638	1,829	1,281
(WY)	(1986)	(1999)	(1945)	(2005)	(2005)	(1973)	(1944)	(1999)	(1967)	(1951)	(1968)	(1973)
MIN	0.00	0.00	0.00	0.00	0.00	0.06	0.07	0.00	2.60	0.00	0.00	0.00
(WY)	(1934)	(1934)	(1934)	(1934)	(1934)	(1939)	(1954)	(1939)	(1936)	(1934)	(1934)	(1937)

06891500 WAKARUSA RIVER NEAR LAWRENCE, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1930 - 2005	
ANNUAL MEAN	312		341		217	
HIGHEST ANNUAL MEAN					728	1999
LOWEST ANNUAL MEAN					10.2	1953
HIGHEST DAILY MEAN	3,190	Aug 28	1,980	Jun 4	22,600	Jul 12, 1951
LOWEST DAILY MEAN	5.1	Feb 13	18	Oct 4	0.00	Jul 11, 1930
ANNUAL SEVEN-DAY MINIMUM	5.9	Feb 11	21	Oct 15	0.00	Jul 11, 1930
MAXIMUM PEAK FLOW			2,700	Jun 11	24,200	Jul 12, 1951
MAXIMUM PEAK STAGE			18.02	Jun 11	31.59	Jul 12, 1951
INSTANTANEOUS LOW FLOW			18	Oct 3	0.00	some years
ANNUAL RUNOFF (AC-FT)	226,500		246,500		157,100	
10 PERCENT EXCEEDS	1,000		979		512	
50 PERCENT EXCEEDS	65		239		26	
90 PERCENT EXCEEDS	7.4		29		0.42	



06891810 STRANGER CREEK NEAR POTTER, KS

LOCATION.--Lat 39°26'52", long 95°09'43", in NE ¼ NE ¼ NE ¼ sec.15, T.7 S., R.20 E., Atchinson County, Hydrologic Unit 10270103, on left bank at downstream side of the bridge on Potter Road, 2.5 mi northwest of Potter, and at mile 56.3.

DRAINAGE AREA.--184 mi^2.

PERIOD OF RECORD.--October 2003 to current year.

GAGE.--Water-stage recorder. Datum of gage is 913.92 ft above NGVD of 1929 from topographic map.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 1	1930	1,240	10.17	Jun 11	1830	4,010	19.74
Feb 7	0300	1,090	9.65	Jun 13	0430	2,400	14.48
Feb 13	0930	2,610	15.23	Jun 30	2100	1,770	12.06
May 13	0900	5,790	21.57	Aug 20	0600	1,640	11.55
Jun 5	0930	*8,180	*23.47	Aug 26	1430	2,220	13.81

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	e375	8.2	11	72	28	19	22	71	387	2.6	8.7
2	2.7	160	8.0	9.5	47	28	18	20	51	72	2.4	8.4
3	2.7	42	7.9	51	39	29	17	19	859	43	2.1	7.7
4	2.6	35	8.2	81	31	28	17	19	2,400	35	1.9	6.2
5	e2.4	32	9.7	25	27	26	17	18	5,530	30	1.7	4.7
6	e3.0	21	58	e20	258	26	21	18	435	27	1.7	3.6
7	e3.6	15	34	13	600	27	26	18	185	25	1.6	3.1
8	e4.2	11	20	9.5	87	25	25	17	124	22	5.3	2.9
9	e3.4	9.3	15	11	65	25	23	17	338	19	2.9	2.7
10	e2.6	9.0	11	18	64	24	21	17	256	17	1.5	2.3
11	e2.3	8.6	10	16	60	22	46	107	2,510	15	1.2	1.9
12	e3.0	8.1	9.6	16	155	23	190	652	1,350	13	4.6	1.7
13	e2.3	8.0	8.3	e13	1,970	22	67	3,650	1,430	11	9.0	2.1
14	e1.7	7.9	6.3	e10	430	22	40	359	238	11	9.7	4.4
15	e1.6	8.2	e8.0	e7.0	147	21	31	140	134	9.4	5.5	97
16	e1.5	8.6	8.3	e7.0	90	20	28	92	98	8.9	4.6	124
17	e1.4	8.9	8.3	e8.0	68	20	26	68	78	8.0	3.3	30
18	e1.3	8.8	8.9	e9.0	57	20	25	56	61	9.4	2.8	13
19	e1.2	9.6	5.7	e10	53	19	24	62	50	14	51	8.1
20	e1.1	9.0	6.0	75	57	19	23	48	43	11	780	6.2
21	e1.0	8.2	7.8	320	51	20	193	40	40	8.4	81	4.2
22	e1.0	7.8	e7.5	107	44	25	385	36	36	7.9	97	3.1
23	e1.0	7.7	e7.0	75	41	29	59	32	33	7.3	87	266
24	e1.0	8.3	e7.0	38	39	29	34	29	30	5.7	25	81
25	e1.0	8.5	e7.5	23	36	30	31	28	27	4.3	18	29
26	e10	8.6	e7.5	28	34	28	30	27	24	4.1	934	18
27	e32	8.5	e7.5	27	33	26	27	25	21	5.6	212	10
28	e76	8.0	7.5	24	31	24	25	25	19	4.6	51	7.2
29	e26	7.7	8.5	18	---	23	24	24	18	3.7	27	5.1
30	e5.2	8.2	13	26	---	22	23	23	498	3.5	17	4.0
31	e1.8	---	13	69	---	21	---	23	---	2.9	12	---
MEAN	6.55	29.2	11.4	37.9	167	24.2	51.2	185	566	27.3	79.2	25.5
MAX	76	375	58	320	1,970	30	385	3,650	5,530	387	934	266
MIN	1.0	7.7	5.7	7.0	27	19	17	17	18	2.9	1.2	1.7
AC-FT	403	1,740	701	2,330	9,290	1,490	3,040	11,370	33,690	1,680	4,870	1,520

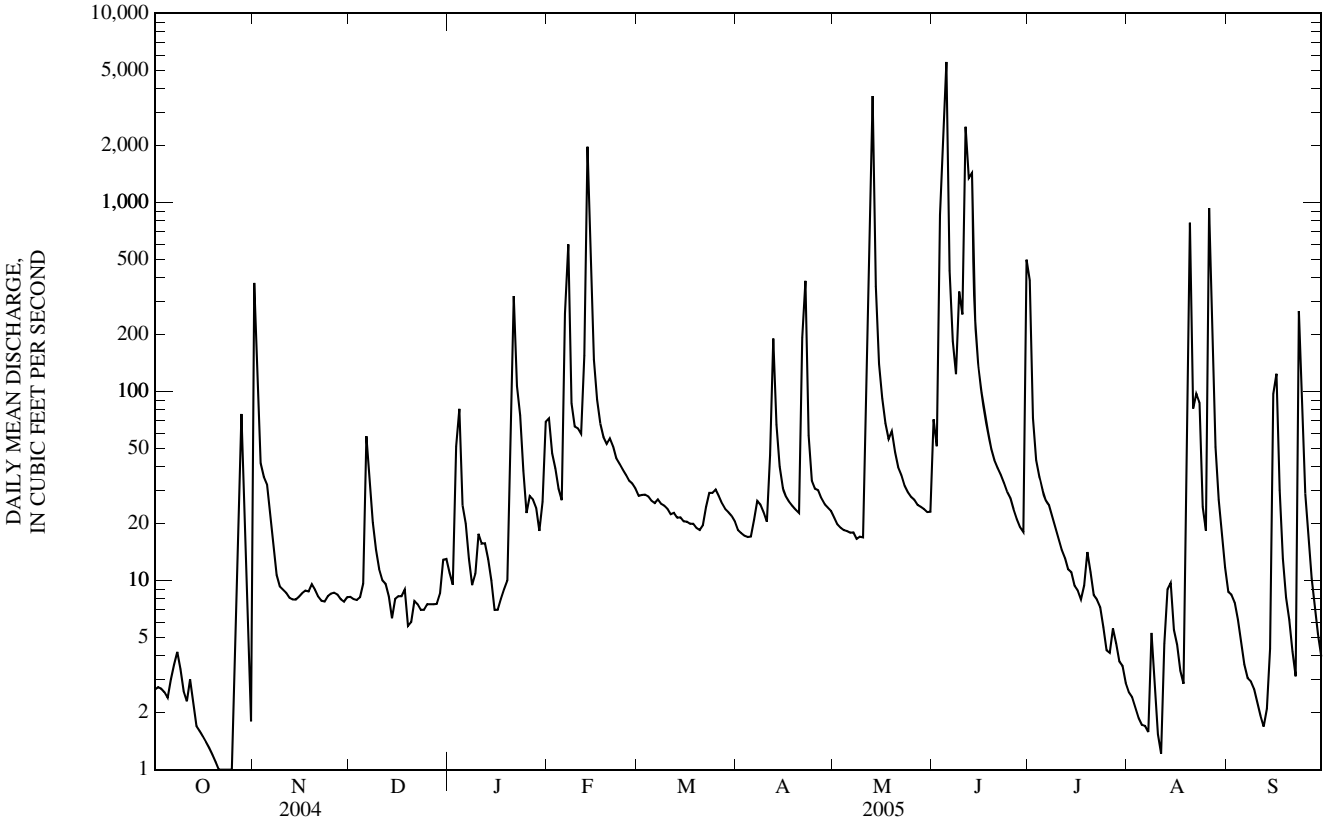
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

MEAN	3.59	15.2	7.25	19.8	95.0	54.3	30.4	136	354	66.9	57.4	15.3
MAX	6.55	29.2	11.4	37.9	167	84.3	51.2	185	566	106	79.2	25.5
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2005)	(2005)	(2005)	(2004)	(2005)	(2005)
MIN	0.62	1.25	3.11	1.66	25.2	24.2	9.65	86.2	142	27.3	35.5	5.04
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)	(2004)	(2004)	(2004)	(2005)	(2004)	(2004)

06891810 STRANGER CREEK NEAR POTTER, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2004 - 2005	
ANNUAL MEAN	45.4		99.6		70.7	
HIGHEST ANNUAL MEAN					99.6	2005
LOWEST ANNUAL MEAN					41.9	2004
HIGHEST DAILY MEAN	1,560	Jun 15	5,530	Jun 5	5,530	Jun 5, 2005
LOWEST DAILY MEAN	0.70	Jan 30	1.0	Oct 21	0.30	Oct 1, 2003
ANNUAL SEVEN-DAY MINIMUM	0.87	Jan 27	1.0	Oct 19	0.31	Oct 1, 2003
MAXIMUM PEAK FLOW			8,180	Jun 5	8,180	Jun 5, 2005
MAXIMUM PEAK STAGE			23.47	Jun 5	23.47	Jun 5, 2005
INSTANTANEOUS LOW FLOW			0.32	Oct 11	0.30	Oct 1, 2003
ANNUAL RUNOFF (AC-FT)	32,920		72,130		51,220	
10 PERCENT EXCEEDS	63		114		90	
50 PERCENT EXCEEDS	8.6		20		10	
90 PERCENT EXCEEDS	1.7		2.9		1.3	

e Estimated



06892000 STRANGER CREEK NEAR TONGANOXIE, KS

LOCATION.--Lat 39°06'59", long 95°00'38", in NE ¼ NE ¼ NW ¼ sec.7, T.11 S., R.22 E., Leavenworth County, Hydrologic Unit 10270104, on left bank at downstream side of bridge on U.S. Highway 40, 2.0 mi upstream from Tonganoxie Creek, 4.0 mi east of Tonganoxie, and at mile 18.1.

DRAINAGE AREA.--406 mi^2.

PERIOD OF RECORD.--April 1929 to current year.

REVISED RECORDS.--WSP 1440: 1929, 1936(M), 1940, 1942(M), 1949. WSP 1710: 1951.

GAGE.--Water-stage recorder. Datum of gage is 800.95 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Apr. 30, 1929, to June 1, 1939, nonrecording gage and June 2, 1939, to June 1, 1960, water-stage recorder, at present site and datum. June 1, 1960, to May 16, 1997, water-stage recorder 1.3 mi upstream of present site, at datum 4.00 ft higher. May 28, 1998, moved gage back to permanent location on U.S. Highway 40.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 13	2000	3,530	17.97	Jun 13	0300	4,970	21.97
May 13	1130	4,420	20.46	Jul 1	0300	4,750	21.39
Jun 6	0930	*7,460	*23.86	Aug 20	0900	4,360	20.29
Jun 9	1600	3,320	17.25				

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	206	53	42	199	114	62	52	728	3,620	11	69
2	3.9	1,430	50	40	191	105	58	46	364	883	9.9	62
3	4.6	332	48	285	147	104	56	44	1,140	305	9.5	54
4	5.0	248	45	434	119	104	53	42	3,480	250	8.7	49
5	4.2	185	79	433	110	95	52	40	5,090	167	7.4	41
6	4.9	140	392	166	374	87	61	40	7,060	116	8.2	35
7	14	100	241	151	1,470	96	75	39	4,500	91	7.1	31
8	28	74	163	132	851	97	73	38	576	75	7.2	29
9	20	59	121	110	285	85	70	39	2,890	65	6.4	27
10	13	52	93	152	225	81	64	37	1,220	56	7.1	25
11	9.7	51	73	143	228	76	79	144	1,640	49	8.4	22
12	13	47	65	263	349	72	491	654	3,530	44	30	20
13	11	41	56	273	2,760	67	407	3,900	4,710	40	594	18
14	11	37	44	142	3,270	63	200	3,810	2,370	36	780	19
15	9.4	36	42	161	962	60	130	1,900	583	32	117	52
16	7.1	36	e42	118	393	60	105	382	381	30	51	122
17	6.2	36	e38	66	283	57	91	273	300	27	33	241
18	5.5	39	e38	59	231	58	81	201	240	29	27	81
19	6.3	49	e36	66	209	58	75	163	188	28	172	44
20	6.2	49	e29	166	218	54	70	149	152	28	4,060	33
21	6.1	41	e32	374	210	52	67	120	130	28	2,730	27
22	6.6	36	e30	511	186	63	241	97	115	27	440	24
23	7.3	34	e21	244	168	85	444	82	99	23	280	1,010
24	7.8	51	e13	182	158	95	119	70	87	20	284	945
25	7.3	98	19	186	147	117	76	64	76	17	566	285
26	13	174	23	152	139	113	75	57	68	16	1,140	125
27	105	134	28	124	132	98	71	52	60	17	1,750	76
28	270	76	33	106	128	87	61	50	53	15	542	56
29	289	57	37	97	---	78	56	46	56	15	216	45
30	145	54	38	100	---	73	57	45	1,230	14	124	37
31	67	---	47	147	---	69	---	43	---	13	88	---
MEAN	35.8	133	66.7	181	505	81.4	121	410	1,437	199	455	123
MAX	289	1,430	392	511	3,270	117	491	3,900	7,060	3,620	4,060	1,010
MIN	3.9	34	13	40	110	52	52	37	53	13	6.4	18
AC-FT	2,200	7,940	4,100	11,160	28,050	5,000	7,180	25,230	85,520	12,250	28,000	7,350

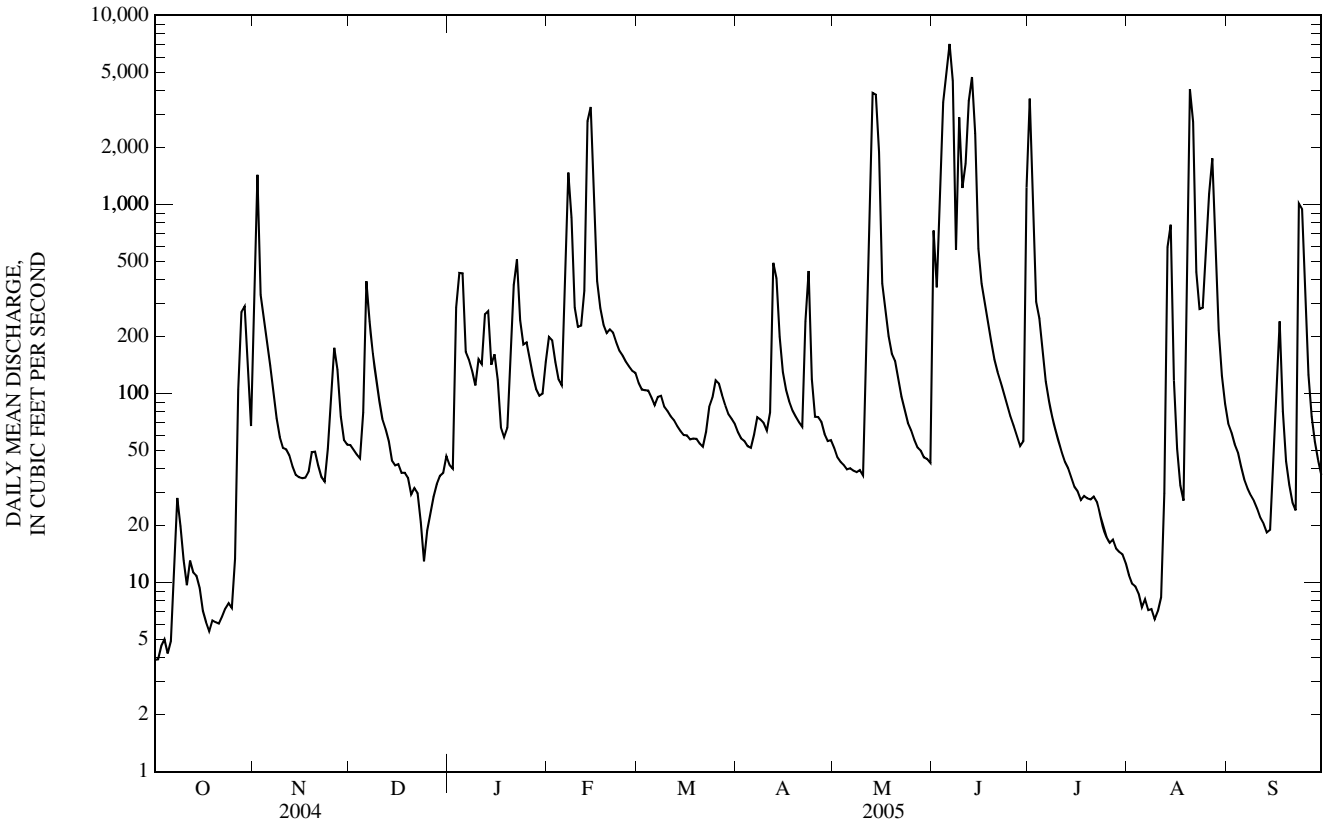
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2005, BY WATER YEAR (WY)

MEAN	194	172	109	90.4	176	266	349	392	509	292	147	246
MAX	2,060	1,734	942	579	1,071	2,013	1,692	1,868	2,915	2,697	1,151	2,411
(WY)	(1986)	(1932)	(1945)	(1973)	(1962)	(1973)	(1999)	(1995)	(1967)	(1993)	(1968)	(1977)
MIN	0.00	0.01	0.12	0.10	0.54	2.85	4.30	9.20	3.61	0.58	0.00	0.00
(WY)	(1954)	(1957)	(1957)	(1957)	(1957)	(1954)	(1935)	(1989)	(1988)	(1934)	(1934)	(1956)

06892000 STRANGER CREEK NEAR TONGANOXIE, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1930 - 2005	
ANNUAL MEAN	150		309		245	
HIGHEST ANNUAL MEAN					802	1993
LOWEST ANNUAL MEAN					8.20	1934
HIGHEST DAILY MEAN	3,180	Aug 28	7,060	Jun 6	22,200	Jun 21, 2001
LOWEST DAILY MEAN	1.7	Jan 29	3.9	Oct 1	0.00	Jul 4, 1934
ANNUAL SEVEN-DAY MINIMUM	2.4	Jan 29	5.8	Oct 1	0.00	Jul 21, 1934
MAXIMUM PEAK FLOW			7,460	Jun 6	40,000	Jun 21, 2001
MAXIMUM PEAK STAGE			23.86	Jun 6	29.81	Jun 21, 2001
INSTANTANEOUS LOW FLOW			3.2	Dec 25	0.00	many years
ANNUAL RUNOFF (AC-FT)	108,600		224,000		177,400	
10 PERCENT EXCEEDS	322		552		428	
50 PERCENT EXCEEDS	43		73		39	
90 PERCENT EXCEEDS	5.1		14		2.0	

e Estimated



06892350 KANSAS RIVER AT DESOTO, KS

LOCATION.--Lat 38°59'00", long 94°57'52", in SE ¼ NE ¼ NE ¼ sec.27, T.12 S., R.22 E., Leavenworth County, Hydrologic Unit 10270104, on left bank at downstream side of bridge on county highway, north edge of DeSoto, 0.4 mi upstream from Kill Creek, and at mile 31.0.

WATER-DISCHARGE RECORDS

DRAINAGE AREA.--59,756 mi^2, of which a large area is noncontributing.

PERIOD OF RECORD.--July 1917 to current year. Monthly discharge only for some periods published in WSP 1310. Prior to October 1973, published as "at Bonner Springs."

REVISED RECORDS.--WSP 806: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 753.87 ft above NGVD of 1929. July 9, 1917, to Apr. 23, 1934, nonrecording gage; Apr. 24, 1934, to Nov. 25, 1960, water-stage recorder at site 9.7 mi downstream at datum 11.81 ft lower; Nov. 26, 1960, to Feb. 9, 1961, nonrecording gage; Feb. 10, 1961, to Sept. 30, 1971, water-stage recorder at site 10.2 mi downstream at datum 17.81 ft lower; and Oct. 1, 1971, to Sept. 30, 1973, at site 10.2 mi downstream at datum 22.81 ft lower. Lowered gage datum 5.0 ft Sept. 30, 1996, to 753.87 ft.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Natural flow affected by lakes and reservoirs in Colorado, Nebraska, and Kansas, and by numerous diversions upstream from station. Diurnal fluctuations caused by hydroelectric plant 20.8 mi upstream; since storage capacity is small, daily flows are not affected appreciably. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1844, that of July 13, 1951.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,330	1,450	1,610	2,730	3,230	5,700	2,190	3,260	9,700	12,700	1,810	4,410
2	1,290	2,380	1,390	2,430	3,290	4,610	1,900	3,200	8,030	12,000	2,070	3,660
3	1,260	2,250	1,600	e2,110	3,010	3,550	1,870	3,130	9,550	8,450	2,480	3,190
4	1,260	1,910	1,560	e1,840	3,030	3,350	1,840	3,070	27,100	10,600	2,390	2,760
5	1,260	1,650	1,630	e1,740	2,980	3,170	1,790	2,810	43,500	11,700	2,350	2,370
6	1,230	1,380	2,930	e1,860	3,270	3,070	1,800	2,110	58,900	7,190	2,280	2,000
7	1,510	1,280	2,670	e1,860	7,210	3,040	1,980	1,600	34,100	6,000	2,170	1,920
8	2,430	1,210	2,250	e1,900	9,150	2,800	2,180	1,720	20,800	4,870	2,160	2,120
9	2,540	1,200	2,070	e2,090	6,500	2,600	2,410	1,600	20,900	4,140	2,510	2,180
10	2,470	1,150	1,810	e2,360	5,080	2,530	3,790	1,320	18,200	3,890	2,770	2,220
11	2,330	1,260	1,810	e2,540	5,400	2,220	5,460	1,390	41,600	3,720	2,850	1,970
12	2,080	1,340	1,780	e2,630	6,790	2,370	5,650	2,310	60,300	3,060	2,780	1,950
13	1,760	1,440	1,670	e2,500	14,600	2,490	5,340	11,900	53,800	2,800	3,100	2,100
14	1,540	1,260	1,580	e2,110	20,200	2,440	5,330	24,800	32,800	2,780	5,580	2,500
15	1,280	1,200	1,510	e1,930	12,900	2,330	5,030	13,900	21,200	2,680	3,080	3,580
16	1,280	1,190	1,290	e2,090	8,900	2,150	4,630	7,950	18,900	2,420	2,060	3,210
17	1,090	987	1,630	e2,340	8,480	2,120	4,300	7,570	20,500	2,490	1,420	3,220
18	1,290	1,170	1,640	e2,500	8,030	1,840	4,060	6,120	23,000	2,490	1,490	3,260
19	1,280	1,210	1,460	e2,700	7,720	1,610	3,920	8,720	21,600	2,340	2,380	4,900
20	1,160	1,300	1,530	e2,900	7,720	1,950	3,830	8,500	20,600	2,050	10,600	3,980
21	1,160	1,360	1,700	3,130	7,570	1,790	3,740	7,600	19,200	2,820	11,200	3,230
22	1,160	1,280	e1,680	e2,880	7,290	1,750	3,610	7,110	16,900	2,690	5,670	2,770
23	1,150	1,240	e1,580	e2,700	7,520	1,730	4,000	6,830	14,700	2,120	4,620	13,400
24	1,140	1,590	e2,020	e2,770	7,650	1,850	3,620	6,390	13,800	1,800	3,210	32,500
25	1,120	1,960	e3,040	2,930	7,190	2,010	3,440	6,310	10,000	1,670	5,180	11,500
26	1,340	2,350	e3,270	3,510	7,230	2,010	3,290	6,210	8,480	1,580	7,570	5,710
27	1,630	2,110	e3,250	3,270	7,210	2,530	3,310	6,130	7,370	1,960	9,340	3,410
28	1,880	1,920	3,160	2,990	7,130	3,110	3,300	6,030	6,410	1,440	15,000	2,520
29	3,270	1,780	3,400	3,130	---	2,770	3,230	6,000	6,480	1,380	11,800	2,570
30	2,710	1,740	3,610	3,070	---	2,480	3,220	5,950	6,670	1,600	7,640	2,710
31	1,670	---	3,060	3,100	---	2,340	---	6,050	---	1,520	5,740	---
MEAN	1,610	1,518	2,103	2,537	7,367	2,591	3,469	6,051	22,500	4,160	4,687	4,594
MAX	3,270	2,380	3,610	3,510	20,200	5,700	5,650	24,800	60,300	12,700	15,000	32,500
MIN	1,090	987	1,290	1,740	2,980	1,610	1,790	1,320	6,410	1,380	1,420	1,920
AC-FT	98,980	90,340	129,300	156,000	409,200	159,300	206,400	372,100	1,339,000	255,800	288,200	273,400

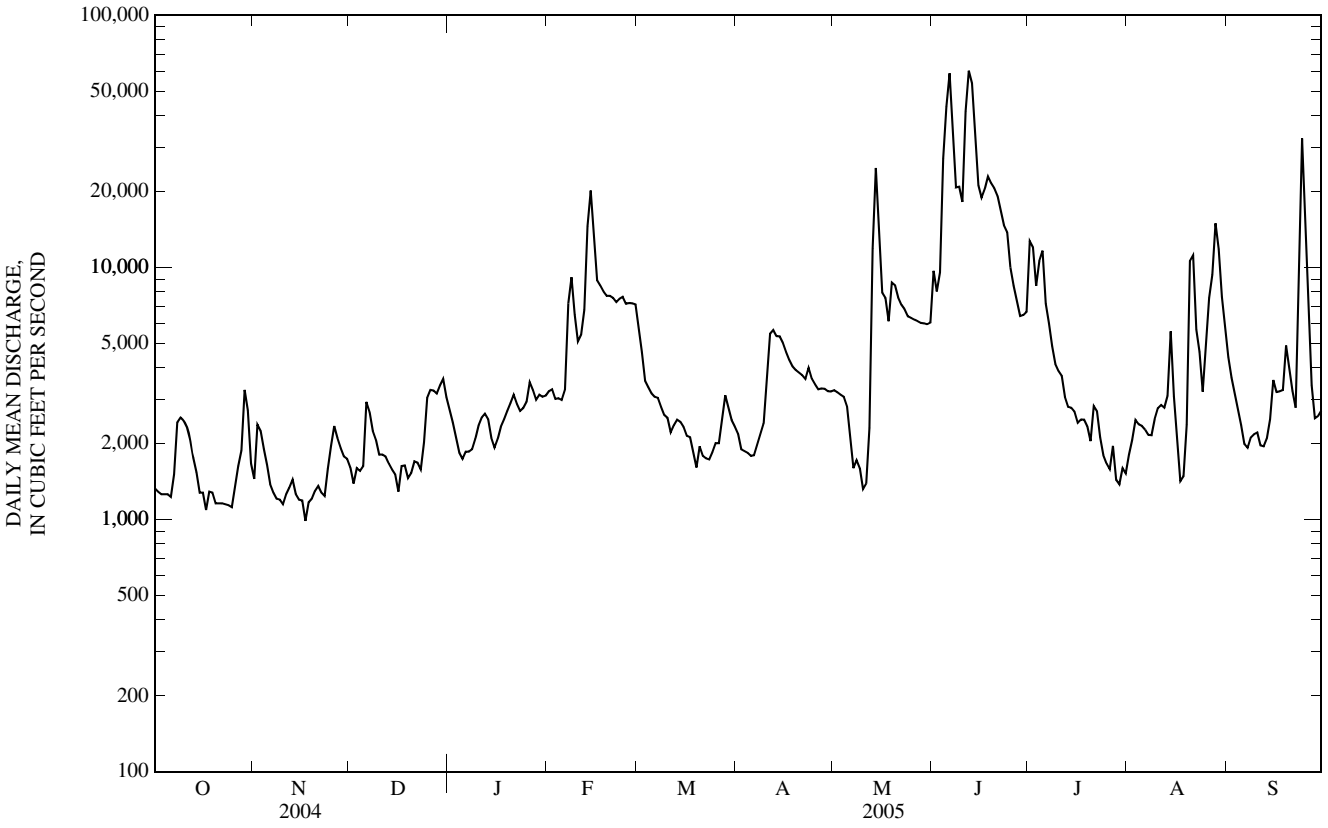
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 2005, BY WATER YEAR (WY)

MEAN	5,605	4,528	3,562	2,865	4,485	7,042	9,414	10,900	14,900	11,500	6,860	6,476
MAX	51,630	42,320	21,940	15,990	20,800	36,560	43,570	43,270	78,870	133,200	66,680	44,660
(WY)	(1974)	(1974)	(1974)	(1973)	(1949)	(1973)	(1973)	(1993)	(1951)	(1951)	(1993)	(1951)
MIN	365	504	465	364	635	632	845	953	1,188	1,106	455	525
(WY)	(1957)	(1957)	(1957)	(1957)	(1957)	(1967)	(1956)	(1989)	(1989)	(1936)	(1934)	(1956)

06892350 KANSAS RIVER AT DESOTO, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1918 - 2005	
ANNUAL MEAN	4,406		5,218		7,351	
HIGHEST ANNUAL MEAN					30,570	1993
LOWEST ANNUAL MEAN					1,326	1956
HIGHEST DAILY MEAN	29,000	Mar 6	60,300	Jun 12	486,000	Jul 14, 1951
LOWEST DAILY MEAN	889	Sep 29	987	Nov 17	160	Oct 11, 1956
ANNUAL SEVEN-DAY MINIMUM	1,140	Jan 22	1,170	Oct 19	195	Oct 9, 1956
MAXIMUM PEAK FLOW			70,700	Jun 6	510,000	Jul 13, 1951
MAXIMUM PEAK STAGE			19.66	Jun 6	37.30	Jul 13, 1951
INSTANTANEOUS LOW FLOW			661	Nov 17	160	Oct 11, 1956
ANNUAL RUNOFF (AC-FT)	3,199,000		3,778,000		5,325,000	
10 PERCENT EXCEEDS	11,000		10,800		17,500	
50 PERCENT EXCEEDS	2,640		2,760		3,310	
90 PERCENT EXCEEDS	1,230		1,370		1,100	

e Estimated



06892350 KANSAS RIVER AT DESOTO, KS—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975-81, 2000 to September 2005 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1974 to September 1981, June 1999 to September 2005.
pH: June 1999 to September 2005.
WATER TEMPERATURE: October 1974 to September 1981, June 1999 to September 2005.
DISSOLVED OXYGEN: June 1999 to September 2005.
TURBIDITY (YSI 6026 sensor): June 1999 to September 2005.
TURBIDITY (YSI 6136 sensor): October 2003 to September 2005.

INSTRUMENTATION.--Multiparameter water-quality monitor.

REMARKS.--Records good. Interruptions in record are due to ice conditions or malfunction of the recording instrument or sensors. Instruments used to measure turbidity conform to ISO 7027 standards and were made using Yellow Springs International (YSI) 6026 and 6136 sensors.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 1,600 microsiemens/cm, Jan. 18, 1975; minimum, 120 microsiemens/cm, July 3, 2004.
pH: Maximum, 9.5 standard units, Aug. 10, 2003; minimum, 7.4 standard units, June 30, 1999.
WATER TEMPERATURE: Maximum, 34.8°C, Aug. 8, 2002; minimum, 0.0°C, Jan. 26, 2000.
DISSOLVED OXYGEN: Maximum, 21.7 mg/L, Nov. 7, 1999; minimum, 4.4 mg/L, July 25, 2005.
TURBIDITY (YSI 6026 sensor): Maximum, 1,560 FNU, Dec. 8, 2003; minimum, 3 FNU, Nov. 27, 2000.
TURBIDITY (YSI 6136 sensor): Maximum, 1,440 FNU, June 17, 2004; minimum, 7 FNU, Dec. 1, 2003.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 1,210 microsiemens/cm, Mar. 28; minimum, 159 microsiemens/cm, June 11.
pH: Maximum, 9.1 standard units, Oct. 14; minimum, 7.4 standard units, June 4.
WATER TEMPERATURE: Maximum, 34.7°C, July 23; minimum, 0.0°C, Jan. 16.
DISSOLVED OXYGEN: Maximum, 18.5 mg/L, Oct. 14; minimum, 4.4 mg/L, July 25.
TURBIDITY: Maximum, >1,450 FNU, May 15; minimum, 8.0 FNU, Dec. 17.
TURBIDITY: Maximum, >1,350 FNU, June 5; minimum, 8.7 FNU, Dec. 5.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	795	770	785	733	668	703	723	711	717	---	---	---
2	821	794	804	736	688	714	728	693	718	---	---	---
3	849	821	838	718	689	709	742	722	733	---	---	---
4	857	822	843	689	660	674	755	734	743	---	---	---
5	822	775	804	729	666	697	769	713	753	565	313	382
6	790	774	783	792	729	759	713	476	556	561	418	501
7	818	778	798	847	792	818	685	618	666	563	516	544
8	806	758	785	874	847	865	692	679	687	---	555	---
9	786	476	610	858	842	849	686	662	671	---	---	---
10	512	459	466	850	842	846	691	661	676	---	---	---
11	510	450	463	850	812	835	703	691	699	620	568	588
12	461	432	446	850	816	837	720	703	711	665	601	642
13	513	447	476	866	850	859	723	715	719	601	488	514
14	542	513	529	858	853	856	732	715	721	---	---	---
15	537	516	526	867	855	860	762	732	749	---	---	---
16	590	533	565	878	867	873	763	737	745	---	---	---
17	606	588	599	883	858	876	770	763	767	---	---	---
18	636	605	623	889	699	808	780	768	775	758	710	726
19	650	630	639	715	631	658	806	775	785	767	657	709
20	644	631	639	647	596	622	835	806	827	750	689	731
21	648	637	643	609	584	590	893	804	861	689	650	663
22	658	645	650	612	592	602	---	892	---	---	---	---
23	666	652	657	---	---	---	---	---	---	---	508	---
24	657	638	647	648	585	628	---	---	---	519	492	503
25	645	632	641	647	555	592	821	745	770	---	515	---
26	648	613	630	638	540	573	766	744	756	601	---	---
27	627	606	615	597	567	582	---	---	---	618	599	610
28	625	526	571	654	563	601	---	---	---	626	594	606
29	676	543	607	693	651	675	789	---	---	656	608	627
30	595	551	581	712	687	701	---	---	---	685	655	673
31	671	582	621	---	---	---	---	---	---	688	679	683
MONTH	857	432	641	889	540	733	893	476	731	767	313	606

06892350 KANSAS RIVER AT DESOTO, KS—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	686	---	---	577	497	523	729	---	---	658	646	653
2	682	655	666	607	577	590	764	729	751	663	650	658
3	657	---	---	612	599	606	787	764	777	674	652	664
4	---	---	---	607	599	603	801	752	784	673	647	662
5	---	---	---	651	606	625	818	759	796	675	620	657
6	---	603	---	674	651	667	794	769	781	678	591	641
7	603	498	535	678	657	666	793	764	780	638	579	614
8	572	482	518	676	663	670	817	786	803	708	627	684
9	485	477	482	732	673	715	820	770	795	733	700	719
10	522	485	506	750	732	743	817	776	795	732	694	716
11	568	516	539	755	743	748	799	634	747	---	720	---
12	590	512	563	765	750	755	634	569	584	846	769	811
13	512	408	437	781	752	770	652	573	600	794	---	---
14	462	414	436	776	760	768	657	578	608	348	---	---
15	450	414	430	775	752	764	617	563	589	389	335	353
16	475	450	466	787	739	769	638	610	623	634	389	469
17	490	467	476	801	752	786	643	624	636	---	426	---
18	511	489	497	838	774	810	624	614	618	653	467	552
19	518	491	509	861	826	843	633	615	622	632	461	559
20	492	484	487	861	833	850	636	629	632	500	442	475
21	491	485	488	876	850	865	656	635	648	519	484	507
22	490	484	487	877	848	866	667	646	656	519	498	509
23	493	473	484	858	841	850	677	661	668	532	501	517
24	476	469	472	899	858	887	670	653	662	550	532	537
25	497	472	490	904	887	897	662	645	654	557	542	551
26	499	482	490	888	882	885	658	639	650	550	542	547
27	490	482	484	919	882	889	654	642	648	552	540	545
28	498	489	493	1,210	919	1,080	655	647	651	556	545	549
29	---	---	---	968	735	818	658	650	653	558	540	549
30	---	---	---	735	677	700	660	649	655	559	545	553
31	---	---	---	---	---	---	---	---	---	562	540	558
MONTH	686	408	497	1,210	497	767	820	563	685	846	335	586

06892350 KANSAS RIVER AT DESOTO, KS—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	547	299	436	485	424	463	785	729	751	440	408	423
2	527	355	459	424	365	391	742	730	738	484	440	462
3	540	272	454	430	412	422	742	557	612	557	484	515
4	281	217	244	427	381	411	591	566	582	560	554	557
5	380	270	340	382	323	351	666	574	596	560	549	556
6	270	232	245	440	325	390	1,140	666	962	556	515	546
7	330	266	295	473	435	458	1,080	986	1,020	665	553	623
8	381	325	356	480	458	472	988	744	875	664	598	618
9	411	377	390	468	443	459	744	585	664	636	610	622
10	441	411	428	519	461	492	586	477	528	697	636	666
11	456	159	338	535	506	522	484	455	477	763	675	723
12	---	---	---	641	529	582	480	457	471	675	628	641
13	282	---	---	---	---	---	471	453	461	661	637	646
14	310	265	280	690	---	---	455	364	399	645	605	634
15	389	310	356	684	662	672	440	379	401	605	321	449
16	396	382	389	684	633	662	517	432	484	559	373	496
17	436	391	413	662	641	652	542	505	528	568	535	554
18	434	418	422	682	648	666	572	534	556	545	456	529
19	424	414	420	683	654	670	895	571	732	494	421	457
20	416	410	413	706	674	690	897	316	584	488	439	459
21	---	---	419	744	696	715	360	274	315	537	488	517
22	434	409	416	723	600	631	448	308	386	557	535	547
23	467	434	451	683	---	---	498	---	---	563	284	423
24	450	430	442	791	680	743	423	---	---	290	214	236
25	475	428	449	842	786	817	472	234	355	307	218	260
26	471	434	453	810	781	791	378	215	316	440	306	390
27	485	440	456	835	648	746	499	230	---	492	421	449
28	555	485	537	724	647	666	618	291	410	529	492	512
29	533	469	493	938	724	863	301	262	280	630	523	556
30	478	442	457	974	938	962	364	291	325	667	584	631
31	---	---	---	958	785	912	408	364	392	---	---	---
MONTH	555	159	402	974	323	617	1,140	215	543	763	214	523
YEAR	1,210	159	612									

06892350 KANSAS RIVER AT DESOTO, KS—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	8.7	8.3	8.6	8.4	8.2	8.2	8.3	8.3	8.3	---	---	---
2	8.8	8.4	8.6	8.3	8.0	8.2	8.3	8.2	8.2	---	---	---
3	8.9	8.6	8.7	8.3	8.1	8.2	8.3	8.3	8.3	---	---	---
4	9.0	8.7	8.8	8.1	8.0	8.1	8.3	8.3	8.3	---	---	---
5	9.0	8.6	8.8	8.3	8.1	8.2	8.3	8.2	8.3	8.1	7.8	7.9
6	9.0	8.5	8.7	8.5	8.3	8.4	8.2	7.9	8.0	8.1	8.0	8.1
7	8.7	8.2	8.4	8.6	8.3	8.5	8.2	8.1	8.2	8.1	8.1	8.1
8	8.9	8.0	8.3	8.7	8.5	8.6	8.3	8.1	8.2	---	---	---
9	9.0	8.6	8.8	8.7	8.4	8.6	8.4	8.2	8.3	---	---	---
10	9.0	8.6	8.9	8.7	8.5	8.6	8.3	8.3	8.3	---	---	---
11	8.9	8.6	8.8	8.6	8.4	8.5	8.4	8.3	8.3	8.1	8.1	8.1
12	8.8	8.6	8.7	8.6	8.4	8.5	8.4	8.3	8.4	8.1	8.1	8.1
13	9.0	8.5	8.7	8.6	8.5	8.6	8.4	8.3	8.4	8.1	8.0	8.1
14	9.1	8.8	8.9	8.6	8.5	8.5	8.4	8.3	8.4	---	---	---
15	9.1	8.8	8.9	8.5	8.3	8.4	8.4	8.3	8.3	---	---	---
16	9.0	8.6	8.8	8.4	8.2	8.3	8.3	8.2	8.3	---	---	---
17	8.9	8.7	8.8	8.4	8.1	8.3	8.3	8.3	8.3	---	---	---
18	8.8	8.6	8.7	8.4	8.2	8.3	8.4	8.3	8.3	8.3	8.3	8.3
19	8.8	8.6	8.7	8.4	8.2	8.3	8.4	8.3	8.3	8.3	8.3	8.3
20	8.8	8.6	8.7	8.5	8.2	8.3	8.4	8.4	8.4	8.3	8.3	8.3
21	8.8	8.6	8.7	8.4	8.3	8.4	8.5	8.4	8.4	8.3	8.3	8.3
22	8.7	8.5	8.6	8.4	8.3	8.3	8.5	8.3	8.4	8.4	8.3	8.4
23	8.8	8.4	8.6	8.4	8.2	8.3	---	---	---	8.4	8.3	8.3
24	8.9	8.6	8.8	8.4	8.3	8.3	---	---	---	8.3	8.3	8.3
25	8.9	8.7	8.8	8.3	8.2	8.3	---	---	---	---	---	---
26	8.8	8.5	8.7	8.3	8.2	8.2	---	---	---	---	---	---
27	8.7	8.4	8.6	8.3	8.2	8.3	---	---	---	8.2	8.2	8.2
28	8.6	8.3	8.4	8.3	8.2	8.3	---	---	---	8.2	8.2	8.2
29	8.4	7.9	8.2	8.3	8.3	8.3	8.2	8.2	8.2	8.2	8.2	8.2
30	8.2	7.9	8.1	8.3	8.3	8.3	---	---	---	8.2	8.2	8.2
31	8.3	8.0	8.2	---	---	---	---	---	---	8.3	8.2	8.2
MAX	9.1	8.8	8.9	8.7	8.5	8.6	8.5	8.4	8.4	8.4	8.3	8.4
MIN	8.2	7.9	8.1	8.1	8.0	8.1	8.2	7.9	8.0	8.1	7.8	7.9

06892350 KANSAS RIVER AT DESOTO, KS—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.3	8.2	8.2	8.4	8.4	8.4	8.5	8.1	8.3	8.8	8.6	8.7
2	8.3	8.2	8.2	8.5	8.4	8.4	8.6	8.2	8.4	8.9	8.6	8.7
3	8.3	8.2	8.2	8.5	8.3	8.4	8.8	8.4	8.6	9.0	8.6	8.8
4	8.3	8.3	8.3	8.5	8.4	8.4	8.8	8.3	8.6	9.0	8.7	8.8
5	8.3	8.2	8.3	8.7	8.4	8.5	8.7	8.3	8.6	9.0	8.6	8.8
6	8.3	8.2	8.3	8.9	8.6	8.7	8.8	8.2	8.6	8.9	8.4	8.7
7	8.2	8.1	8.1	8.8	8.6	8.7	8.7	8.3	8.5	8.7	8.2	8.5
8	8.1	8.0	8.0	8.7	8.5	8.7	8.8	8.2	8.5	8.8	8.4	8.6
9	8.2	8.1	8.1	8.8	8.5	8.7	8.8	8.4	8.6	8.7	8.3	8.5
10	8.3	8.2	8.2	8.8	8.6	8.7	8.6	8.3	8.5	---	---	---
11	8.3	8.2	8.3	8.8	8.5	8.7	8.3	8.0	8.1	---	---	---
12	8.3	8.2	8.3	8.8	8.5	8.7	8.0	8.0	8.0	8.5	8.1	8.3
13	8.2	8.0	8.1	8.9	8.6	8.8	8.1	8.0	8.0	8.4	---	7.9
14	8.0	7.9	8.0	8.9	8.6	8.8	8.1	8.0	8.0	7.6	---	7.6
15	8.1	8.0	8.1	8.8	8.6	8.7	8.1	8.0	8.0	7.8	7.6	7.7
16	8.2	8.1	8.2	8.8	8.6	8.7	8.2	8.1	8.1	8.0	7.8	7.9
17	8.3	8.2	8.3	8.7	8.5	8.6	8.2	8.1	8.2	8.0	7.9	7.9
18	8.3	8.3	8.3	8.7	8.5	8.6	8.3	8.2	8.2	8.1	7.9	8.0
19	8.3	8.3	8.3	8.7	8.5	8.6	8.4	8.2	8.3	8.1	7.8	8.0
20	8.3	8.3	8.3	8.6	8.4	8.5	8.5	8.3	8.4	8.0	7.8	7.9
21	8.3	8.3	8.3	8.7	8.4	8.6	8.6	8.3	8.4	8.2	8.0	8.1
22	8.3	8.3	8.3	8.6	8.4	8.5	8.7	8.3	8.5	8.2	8.1	8.2
23	8.4	8.3	8.3	8.8	8.4	8.6	8.8	8.5	8.6	8.3	8.2	8.2
24	8.4	8.3	8.4	8.7	8.5	8.6	8.9	8.6	8.7	8.4	8.1	8.2
25	8.4	8.3	8.3	8.6	8.5	8.6	8.8	8.6	8.7	8.5	8.2	8.4
26	8.3	8.3	8.3	8.7	8.5	8.6	8.9	8.6	8.7	8.7	8.3	8.5
27	8.4	8.3	8.3	8.7	8.5	8.6	8.9	8.6	8.8	8.6	8.3	8.5
28	8.4	8.3	8.4	8.7	8.4	8.7	8.8	8.6	8.7	8.6	8.3	8.4
29	---	---	---	8.4	8.1	8.2	8.7	8.5	8.6	8.5	8.3	8.4
30	---	---	---	8.3	8.1	8.2	8.8	8.5	8.6	8.5	8.2	8.3
31	---	---	---	8.4	8.1	8.2	---	---	---	8.5	8.2	8.3
MAX	8.4	8.3	8.4	8.9	8.6	8.8	8.9	8.6	8.8	9.0	8.7	8.8
MIN	8.0	7.9	8.0	8.3	8.1	8.2	8.0	8.0	8.0	7.6	7.6	7.6

06892350 KANSAS RIVER AT DESOTO, KS—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.2	7.5	8.0	8.1	7.7	7.9	8.6	8.2	8.4	8.4	8.2	8.3
2	8.2	7.6	7.9	7.8	7.6	7.7	8.5	8.1	8.3	8.5	8.3	8.4
3	8.1	7.5	8.1	7.9	7.8	7.9	8.6	8.0	8.3	8.8	8.4	8.5
4	7.6	7.4	7.4	8.0	7.8	7.9	8.6	8.0	8.3	8.6	8.5	8.6
5	7.6	7.5	7.5	7.8	7.7	7.7	8.5	8.0	8.3	9.1	8.5	8.8
6	7.6	7.5	7.6	7.9	7.7	7.8	8.4	8.0	8.3	9.1	8.8	8.9
7	7.5	7.5	7.5	8.4	7.9	8.1	8.6	8.1	8.3	8.9	8.5	8.7
8	7.6	7.5	7.6	8.7	8.0	8.3	8.7	7.8	8.1	8.5	8.1	8.4
9	7.7	7.6	7.7	8.6	8.2	8.4	8.9	8.4	8.6	8.6	8.2	8.4
10	7.8	7.7	7.8	8.4	7.9	8.2	8.9	8.3	8.6	8.6	8.1	8.4
11	7.8	7.5	7.7	8.3	7.9	8.1	8.8	8.1	8.6	8.6	8.1	8.4
12	7.6	7.5	7.5	8.5	7.9	8.1	8.5	8.0	8.3	8.5	8.1	8.3
13	7.6	7.5	7.5	8.5	7.9	8.3	8.2	7.7	8.0	8.5	8.0	8.2
14	7.7	7.5	7.6	8.5	8.0	8.3	8.1	7.6	7.7	8.7	8.2	8.4
15	7.8	7.7	7.7	8.5	8.0	---	7.8	7.5	7.6	8.6	7.7	7.9
16	7.8	7.7	7.8	8.5	8.0	8.3	8.4	7.8	8.0	8.5	8.0	8.1
17	7.8	7.8	7.8	8.4	7.9	8.2	8.8	8.2	8.5	8.6	8.2	8.4
18	7.9	7.8	7.8	8.3	8.0	8.2	8.6	8.0	8.4	8.4	8.0	8.2
19	7.9	7.9	7.9	8.2	7.9	8.0	8.8	8.0	---	8.1	7.8	7.9
20	7.9	7.8	7.9	8.3	7.9	8.1	8.6	8.0	8.2	7.8	7.7	7.7
21	---	---	---	8.6	8.0	8.2	8.1	8.1	8.1	8.3	7.7	7.8
22	7.9	7.8	7.8	8.4	7.9	8.1	8.3	8.1	8.2	8.4	8.0	8.2
23	7.9	7.8	7.9	8.4	8.0	8.1	8.4	8.2	8.4	8.2	7.5	7.7
24	7.9	7.9	7.9	8.4	8.2	8.3	8.4	8.2	8.3	8.1	7.7	7.9
25	8.0	7.9	8.0	8.4	8.1	8.2	8.4	8.1	8.2	8.1	7.8	7.9
26	8.1	7.9	8.0	8.3	7.8	7.9	8.4	8.0	8.2	8.1	7.8	8.0
27	8.4	8.0	8.2	8.4	7.8	8.0	8.2	8.0	8.1	8.4	8.0	8.2
28	8.3	8.1	8.2	8.7	8.1	8.4	8.2	8.0	8.0	8.5	8.2	8.3
29	8.3	8.0	8.1	8.5	8.0	8.3	8.2	8.1	8.1	8.7	8.3	8.5
30	8.2	7.9	8.1	8.5	8.2	8.3	8.3	8.1	8.2	9.0	8.4	8.6
31	---	---	---	8.6	8.0	8.3	8.3	8.2	8.3	---	---	---
MAX	8.4	8.1	8.2	8.7	8.2	8.4	8.9	8.4	8.6	9.1	8.8	8.9
MIN	7.5	7.4	7.4	7.8	7.6	7.7	7.8	7.5	7.6	7.8	7.5	7.7

YEAR			
	MAX	MAXIMUM 9.1	MINIMUM 7.5
	MIN	MAXIMUM 8.8	MINIMUM 7.4
	MEDIAN	MAXIMUM 8.9	MINIMUM 7.4

06892350 KANSAS RIVER AT DESOTO, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	20.6	17.3	19.6	15.6	14.5	15.3	5.4	2.8	4.0	---	---	---
2	19.7	14.7	17.1	14.5	12.7	13.4	5.5	3.0	4.2	---	---	---
3	20.3	15.3	17.7	12.7	11.1	11.8	4.9	2.7	3.8	---	---	---
4	19.8	16.3	17.8	12.9	10.5	11.5	6.2	3.0	4.4	---	---	---
5	19.1	14.6	16.8	12.4	9.0	10.7	5.0	3.8	4.4	2.7	0.1	1.3
6	19.5	15.5	17.4	14.1	10.3	12.0	6.6	5.0	5.9	0.1	0.0	0.0
7	18.0	17.1	17.5	13.8	10.6	12.1	7.0	5.8	6.3	0.6	0.0	0.2
8	20.0	17.2	18.4	13.3	10.3	11.7	7.0	5.2	6.0	1.7	0.4	1.1
9	20.4	17.2	18.9	13.4	10.5	11.9	7.0	5.4	6.2	---	---	---
10	19.6	17.6	18.7	13.1	10.3	11.7	6.0	5.0	5.5	---	---	---
11	18.6	15.9	17.2	11.8	9.2	10.3	6.3	4.7	5.4	1.0	0.7	0.9
12	15.9	15.0	15.4	10.4	7.9	9.1	6.0	4.6	5.3	1.3	0.9	1.1
13	17.1	13.9	15.3	9.3	7.4	8.3	4.6	2.2	3.4	1.1	0.0	0.6
14	15.0	12.6	13.9	8.9	7.0	8.0	3.2	0.9	2.0	---	---	---
15	14.3	12.4	13.4	9.5	8.4	8.9	3.1	0.6	1.8	---	---	---
16	14.8	11.0	12.8	11.4	9.2	10.3	4.4	1.3	2.7	---	---	---
17	15.9	11.9	13.9	15.1	11.1	12.8	4.6	1.8	3.1	---	---	---
18	14.5	13.7	14.1	13.5	12.9	13.2	5.4	2.8	3.9	---	---	---
19	14.9	13.4	14.0	13.8	12.9	13.3	3.3	0.2	1.6	0.2	0.0	0.1
20	14.3	13.6	13.9	13.7	11.9	12.7	3.4	0.2	1.8	2.2	0.0	0.8
21	15.2	13.6	14.3	11.9	9.6	10.4	2.6	0.5	1.5	1.3	1.0	1.1
22	18.4	15.2	16.9	10.6	9.6	10.0	0.5	---	---	1.0	0.0	0.3
23	18.6	16.1	17.2	10.3	8.2	9.9	---	---	---	0.4	0.0	0.2
24	18.3	14.1	16.1	8.2	4.6	6.3	0.6	---	---	2.0	0.0	0.9
25	18.4	15.1	16.8	7.4	4.9	6.1	0.6	0.2	0.2	2.4	0.8	1.5
26	18.4	16.9	17.5	8.0	6.0	7.0	0.3	0.2	0.2	1.7	1.0	1.4
27	18.2	17.4	17.8	7.7	6.5	7.3	0.8	0.2	0.4	1.9	0.8	1.3
28	19.5	17.7	18.5	6.5	5.8	6.0	2.0	0.6	1.2	2.2	0.6	1.3
29	20.9	18.8	19.6	5.8	4.9	5.6	1.7	0.0	1.0	2.6	1.0	1.7
30	19.2	15.7	17.0	4.9	3.9	4.5	3.0	1.7	2.5	2.8	1.9	2.3
31	16.1	14.0	15.3	---	---	---	---	---	---	3.1	2.4	2.7
MONTH	20.9	11.0	16.5	15.6	3.9	10.1	7.0	0.0	3.3	3.1	0.0	1.0

06892350 KANSAS RIVER AT DESOTO, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.4	2.5	3.2	5.6	3.1	4.2	14.4	11.0	12.6	15.7	11.0	13.4
2	3.6	2.6	3.0	6.9	3.0	4.9	15.6	10.0	12.8	16.5	11.4	13.9
3	4.8	1.6	2.8	8.5	4.2	6.3	17.3	12.2	14.6	17.7	12.1	15.0
4	5.8	2.6	4.2	9.9	6.1	8.1	19.5	14.1	16.6	18.5	13.4	16.0
5	6.4	3.7	5.0	10.9	7.2	9.1	17.7	16.3	17.0	19.3	14.4	16.9
6	5.8	5.4	5.6	11.8	8.0	10	19.5	16.1	17.5	22.5	16.6	19.3
7	5.6	4.1	4.8	11.5	9.2	10.2	17.6	15.0	15.8	21.8	18.6	20.2
8	4.1	1.8	2.9	9.2	7.6	8.4	18.5	13.7	15.9	20.9	19.1	20.2
9	2.4	0.9	1.6	9.5	6.9	8.1	18.8	15.1	16.9	24.5	18.3	21.2
10	3.1	0.1	1.5	10.3	7.0	8.5	19.7	16.4	18.1	---	---	---
11	4.0	0.7	2.3	10.2	6.4	8.4	20.3	17.3	18.6	---	---	---
12	3.4	1.7	2.7	12.0	8.2	9.8	18.6	15.1	16.6	23.3	20.0	21.3
13	5.3	3.3	4.5	10.1	7.5	8.8	16.8	14.0	15.2	21.2	17.9	19.3
14	5.7	4.7	5.3	11.3	7.9	9.5	17.5	13.3	15.4	---	---	---
15	6.9	5.4	6.1	10.8	7.8	9.3	18.4	13.8	16.1	19.9	17.9	18.8
16	6.7	5.4	6.0	12.2	7.9	9.8	20.0	14.9	17.4	21.2	17.7	19.3
17	6.4	4.8	5.5	12.3	8.0	10.1	21.0	16.0	18.5	22.1	18.9	20.4
18	6.2	4.7	5.2	13.2	8.7	10.6	20.6	17.4	19.0	21.8	19.4	20.5
19	5.3	4.8	5.1	11.9	7.3	9.6	21.4	18.1	19.6	23.8	20.3	22.1
20	7.0	5.0	6.0	11.9	8.4	10.1	22.2	19.1	20.5	25.4	22.4	23.7
21	6.2	5.5	5.9	10.3	8.2	9.2	23.8	19.9	21.6	25.6	22.5	24.0
22	6.4	5.1	5.7	8.2	6.4	7.3	21.6	17.3	19.1	26.1	22.8	24.3
23	5.9	5.2	5.6	9.0	6.1	7.4	17.9	14.6	16.3	27.1	23.2	24.8
24	6.7	4.9	5.6	8.2	6.9	7.3	18.5	13.3	15.9	25.4	23.3	24.2
25	7.2	4.9	5.9	7.5	7.0	7.2	16.8	14.0	15.1	25.8	22.0	23.7
26	7.3	5.4	6.3	7.7	6.6	7.1	15.0	13.1	14.2	25.6	21.7	23.6
27	7.2	6.0	6.7	11.0	6.2	8.5	16.1	12.0	14.1	23.6	21.5	22.6
28	6.0	3.9	5.1	12.8	7.2	10.1	15.0	12.8	13.6	24.3	20.2	22.1
29	---	---	---	14.3	10.3	12.4	13.4	11.8	12.5	25.1	20.6	22.7
30	---	---	---	14.6	12.3	13.6	15.3	10.6	12.8	23.9	20.8	22.3
31	---	---	---	13.6	11.0	12.3	---	---	---	24.0	20.6	22.1
MONTH	7.3	0.1	4.6	14.6	3.0	8.9	23.8	10.0	16.3	27.1	11.0	20.6

06892350 KANSAS RIVER AT DESOTO, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	21.8	19.9	20.7	25.8	23.9	24.8	31.5	27.0	29.1	27.4	25.2	26.2
2	23.4	19.8	21.6	26.5	24.2	25.2	31.0	27.6	29.2	27.4	24.3	25.8
3	22.4	19.1	20.9	27.3	25.2	26.0	31.1	27.5	29.4	28.4	24.3	26.2
4	20.2	18.6	19.4	25.9	24.8	25.2	31.6	28.2	29.6	28.6	24.6	26.6
5	21.3	20.0	20.7	26.4	24.5	25.3	28.7	26.0	26.9	28.4	24.8	26.6
6	21.5	19.5	20.4	28.2	24.9	26.4	29.9	25.3	27.4	28.6	24.2	26.4
7	23.9	21.5	22.6	29.0	25.3	27.0	30.2	26.4	28.3	29.4	25.8	27.5
8	25.7	23.9	24.7	29.6	25.3	27.5	30.9	27.5	29.2	28.0	26.0	27.1
9	25.1	24.0	24.5	30.2	26.2	28.1	31.8	28.2	30.0	28.7	25.4	27.0
10	24.2	23.5	23.9	30.4	26.6	28.5	32.3	28.2	30.3	28.5	25.3	26.9
11	23.7	21.2	22.5	30.4	26.9	28.6	32.2	28.7	30.5	28.3	25.0	26.7
12	22.3	21.2	21.8	31.0	27.5	29.1	30.6	28.4	29.5	27.0	25.2	26.2
13	22.7	21.9	22.3	31.8	27.4	29.7	28.5	26.1	27.3	25.7	24.1	25.0
14	23.3	21.6	22.4	31.9	27.4	29.8	26.1	24.1	24.9	25.0	22.7	23.9
15	24.5	22.8	23.6	---	28.5	29.7	24.4	22.9	23.6	23.9	19.0	20.6
16	25.4	24.1	24.7	33.3	28.7	30.9	26.8	22.9	24.6	22.6	18.6	20.4
17	25.6	24.6	25.1	32.6	29.6	31.0	28.9	24.3	26.2	23.2	19.2	21.3
18	25.2	24.2	24.7	32.1	28.4	30.2	32.2	26.2	28.8	24.8	20.5	22.6
19	25.1	24.1	24.6	30.1	27.1	28.3	29.7	---	---	25.6	22.1	24.0
20	25.6	24.4	25.0	32.3	27.0	29.4	27.4	24.4	25.7	27.4	23.4	25.2
21	---	25.3	---	32.3	28.0	30.1	25.5	24.1	24.7	28.1	23.6	25.9
22	26.8	25.4	26.1	33.5	28.7	31.0	26.8	24.4	25.5	28.1	24.4	26.3
23	27.2	26.3	26.7	34.7	30.0	32.2	25.9	---	---	26.4	20.9	22.9
24	27.3	26.4	26.7	34.2	30.1	32.0	24.7	---	---	20.9	19.9	20.2
25	28.6	26.4	27.4	33.7	29.8	31.5	24.2	22.5	23.1	23.5	20.5	22.0
26	29.0	26.8	27.7	---	26.1	---	24.4	22.2	23.0	24.9	23.0	23.7
27	29.5	26.7	28.0	28.5	24.4	26.3	26.8	23.1	24.8	25.1	21.8	23.3
28	27.9	26.6	27.1	29.9	23.7	26.6	26.3	25.4	25.8	23.2	19.5	21.5
29	28.6	25.4	26.9	31.0	24.6	27.7	26.1	24.9	25.4	21.2	17.8	19.4
30	27.0	25.0	25.9	31.1	25.7	28.2	27.2	24.8	25.8	20.5	17.3	19.0
31	---	---	---	31.2	26.2	28.5	28.3	24.9	26.4	---	---	---
MONTH	29.5	18.6	24.1	34.7	23.7	28.5	32.3	22.2	27.0	29.4	17.3	24.2
YEAR	34.7	0.0	15.9									

06892350 KANSAS RIVER AT DESOTO, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	12.2	10.0	10.8	13.1	12.7	12.8	---	---	---
2	13.9	8.7	10.9	11.8	10.2	11.0	13.1	12.6	12.8	---	---	---
3	14.6	9.0	11.4	12.5	11.0	11.6	13.2	12.8	13.0	---	---	---
4	15.8	9.0	11.9	12.3	11.3	11.8	13.1	12.6	12.9	13.4	---	---
5	15.5	9.5	12.2	13.9	11.9	12.9	12.8	12.2	12.6	14.4	13.2	13.9
6	16.2	9.5	12.5	14.9	12.0	13.2	12.2	11.1	11.5	15.0	14.4	14.8
7	11.8	9.0	10.1	15.8	12.0	13.6	12.2	11.5	11.8	15.0	14.7	14.8
8	15.4	8.1	11.2	16.8	12.3	14.1	12.5	11.6	11.9	15.2	14.4	14.8
9	16.1	9.4	12.4	16.6	12.2	13.9	12.6	11.6	12.0	---	---	---
10	15.1	9.4	11.9	16.5	12.1	13.6	12.4	11.6	12.0	15.5	---	---
11	13.1	9.2	10.9	15.3	11.8	13.3	12.6	11.9	12.2	16.8	15.5	16.3
12	12.8	9.6	10.9	16.1	12.7	14.2	12.8	12.1	12.4	17.4	16.6	17.0
13	16.1	9.9	12.7	16.9	13.3	14.9	13.4	12.5	13.0	---	---	---
14	18.5	10.6	14.0	16.7	13.6	14.8	14.0	13.4	13.8	---	---	---
15	16.6	10.6	13.4	15.1	13.0	13.8	14.2	13.8	14.0	---	---	---
16	16.9	11.1	13.5	14.5	11.6	12.9	13.8	13.6	13.7	---	---	---
17	17.3	10.9	13.6	12.5	10.2	11.4	14.1	13.5	13.8	---	---	---
18	15.6	10.6	12.7	12.0	9.8	10.6	13.8	13.2	13.5	---	---	---
19	17.2	10.4	13.1	11.6	9.5	10.3	14.7	13.3	14.2	---	---	---
20	15.3	10.5	12.5	12.5	9.7	10.8	14.6	13.9	14.4	---	---	---
21	15.5	10.6	12.5	12.3	10.3	11.1	15.6	13.6	14.7	---	---	---
22	14.8	9.6	11.4	12.2	10.6	11.2	16.4	14.1	15.1	---	---	---
23	15.0	9.2	11.7	11.9	10.4	11.1	---	---	---	---	---	---
24	16.9	10.0	12.8	12.9	11.1	12.0	---	---	---	---	---	---
25	17.4	9.8	12.8	12.4	11.7	12.0	---	---	---	---	---	---
26	14.6	9.3	11.4	12.1	11.5	11.8	---	---	---	---	---	---
27	13.9	9.0	11.0	11.9	11.3	11.6	---	---	---	13.7	13.3	13.5
28	12.9	9.1	10.7	12.4	11.5	11.9	14.3	---	---	13.7	13.4	13.5
29	10.9	8.3	9.3	12.5	11.8	12.2	14.5	13.2	14.2	13.7	13.3	13.5
30	10.2	8.3	9.5	13.0	12.2	12.6	14.1	---	---	13.5	13.0	13.3
31	12.0	9.6	10.6	---	---	---	---	---	---	13.4	13.0	13.2
MONTH	18.5	8.1	11.8	16.9	9.5	12.4	16.4	11.1	13.1	17.4	13.0	14.4

06892350 KANSAS RIVER AT DESOTO, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	13.0	---	---	13.1	12.6	12.8	12.2	9.6	10.9	10.2	8.1	9.1
2	13.2	12.7	13.0	13.0	12.5	12.9	13.9	10.1	11.9	10.3	7.8	8.9
3	13.3	---	---	13.0	11.9	12.6	15.9	10.2	12.6	10.4	7.6	8.9
4	13.1	12.4	12.8	13.2	11.7	12.3	16.6	9.9	12.7	10.1	7.3	8.7
5	12.8	12.1	12.5	14.0	11.5	12.6	15.1	8.9	11.6	10.3	7.1	8.4
6	12.3	11.8	12.0	15.5	11.7	13.1	16.1	8.5	11.8	---	---	---
7	12.1	11.6	11.8	13.8	10.8	12.2	13.5	8.6	10.8	---	---	---
8	13.0	12.0	12.6	13.7	11.1	12.4	15.6	9.1	12.1	---	---	---
9	13.8	13.0	13.5	15.4	11.7	13.4	14.0	9.1	11.5	---	---	---
10	14.2	13.8	14.0	14.7	12.0	13.1	11.6	8.1	9.7	---	---	---
11	14.2	13.6	13.8	15.1	11.6	13.1	8.6	7.8	8.2	---	---	---
12	13.9	13.2	13.5	16.0	11.5	13.3	8.7	7.9	8.2	10.6	7.5	8.7
13	13.2	11.8	12.4	16.6	11.7	13.8	9.0	8.7	8.9	---	---	---
14	12.1	11.8	11.9	17.1	12.0	14.4	9.2	8.7	9.0	7.6	---	---
15	12.0	11.8	11.8	16.5	12.2	14.3	9.1	8.6	8.8	8.2	7.2	7.8
16	12.5	11.9	12.1	16.5	12.2	14.1	8.9	8.3	8.6	8.4	8.0	8.2
17	12.9	12.5	12.6	16.3	12.1	14.0	8.7	8.2	8.5	8.1	7.8	7.9
18	13.0	12.6	12.8	16.8	11.5	13.7	8.8	8.1	8.4	8.2	7.9	8.0
19	13.0	12.6	12.7	16.7	11.6	13.9	9.1	7.9	8.3	8.0	7.3	7.7
20	12.7	12.2	12.4	16.9	12.0	14.1	9.2	7.6	8.2	7.8	7.3	7.5
21	12.5	12.1	12.3	14.3	11.5	12.8	9.6	7.4	8.3	8.1	7.7	7.9
22	12.7	12.5	12.6	14.9	11.7	13.0	9.2	7.3	8.1	8.5	7.8	8.1
23	12.9	12.6	12.8	17.2	12.4	14.5	10.4	7.9	9.0	9.1	7.8	8.3
24	13.0	12.8	12.9	16.7	12.8	14.5	11.5	8.4	9.7	9.9	7.8	8.6
25	13.0	12.8	12.9	15.9	12.5	14.0	9.8	8.2	9.0	11.1	8.2	9.4
26	12.9	12.6	12.7	17.3	12.7	14.8	11.1	7.9	9.4	12.3	8.4	10.1
27	12.7	12.3	12.5	18.0	13.3	15.6	11.3	8.3	9.7	10.4	8.6	9.6
28	12.9	12.6	12.7	16.9	11.5	14.1	10.2	8.0	9.0	12.0	8.8	10.2
29	---	---	---	11.8	9.5	10.8	9.8	7.9	8.7	11.5	8.9	10.1
30	---	---	---	10.4	9.0	9.7	10.3	8.1	9.2	11.1	8.8	9.9
31	---	---	---	11.4	9.3	10.2	---	---	---	11.6	8.9	10
MONTH	14.2	11.6	12.7	18.0	9.0	13.2	16.6	7.3	9.7	12.3	7.1	8.8

06892350 KANSAS RIVER AT DESOTO, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.3	7.4	8.4	7.4	6.5	7.0	11.5	5.7	8.4	7.2	6.9	7.1
2	9.9	8.3	9.0	7.1	6.7	6.9	11.8	---	---	7.4	7.1	7.3
3	9.3	7.8	8.7	7.2	6.8	7.0	11.9	6.1	8.7	8.2	7.2	7.7
4	8.3	7.7	8.0	7.4	6.6	7.0	12.0	6.1	8.6	8.9	7.4	8.0
5	8.5	5.7	7.8	6.9	6.7	6.8	11.2	6.4	8.5	11.3	7.3	9.1
6	7.6	5.5	6.5	7.4	6.9	7.0	11.9	6.4	9.0	14.0	7.5	10.3
7	8.1	7.6	7.9	9.0	6.8	7.7	12.2	5.8	8.6	13.1	7.2	9.8
8	8.2	7.9	8.1	11.3	7.0	8.6	12.3	5.0	8.1	10.9	6.5	8.3
9	8.8	8.0	8.4	11.5	7.3	9.1	14.7	6.1	10.0	11.9	6.8	9.0
10	9.0	8.7	8.9	9.4	6.7	8.0	13.0	6.2	9.4	12.1	6.9	9.2
11	9.1	8.2	8.7	9.3	6.6	7.8	12.1	5.8	8.5	11.5	6.6	8.8
12	8.4	7.9	8.2	9.9	6.6	8.0	9.5	4.9	6.6	10.4	6.2	8.0
13	8.8	8.3	8.6	10.1	6.4	8.1	7.1	4.6	5.6	10.1	6.1	7.5
14	9.2	8.7	9.0	10.0	6.4	8.1	6.5	4.8	5.6	13.0	6.5	9.4
15	9.2	8.9	9.1	---	6.0	---	7.0	5.1	6.0	9.3	7.0	7.7
16	9.0	8.6	8.8	10.5	5.9	8.0	10.4	5.2	7.6	11.1	6.5	8.6
17	8.7	8.5	8.6	9.2	5.4	7.2	15.2	4.6	9.6	12.8	8.4	10.3
18	8.7	8.5	8.6	8.9	5.5	7.1	13.6	6.4	9.7	11.6	7.9	9.4
19	8.6	8.3	8.5	8.2	5.5	6.5	10.3	---	---	8.2	6.5	7.5
20	8.3	7.4	8.0	9.4	5.7	7.4	6.8	4.6	5.6	7.3	6.7	7.0
21	7.5	---	---	10.0	5.7	7.5	6.6	6.1	6.4	8.7	6.9	7.6
22	7.5	7.1	7.3	8.0	5.4	6.7	7.0	6.6	6.8	9.5	6.4	7.7
23	7.3	6.8	7.1	8.8	5.3	6.8	---	6.8	---	7.4	5.2	6.6
24	7.5	6.8	7.2	8.9	5.0	6.8	---	---	---	6.6	5.3	6.1
25	7.4	6.7	7.0	7.6	4.4	5.8	7.4	6.0	6.8	6.6	6.0	6.3
26	8.0	6.6	7.3	---	---	---	7.6	6.3	7.0	6.4	5.9	6.1
27	9.6	6.7	8.0	11.7	5.6	8.2	6.9	6.5	6.7	7.7	6.0	6.8
28	7.7	6.6	7.1	14.0	7.0	10.3	6.8	6.1	6.5	8.3	6.3	7.3
29	8.8	6.9	7.6	12.2	7.6	9.9	7.1	6.7	6.9	9.2	7.0	7.9
30	7.5	6.7	7.1	13.0	6.7	9.5	7.1	6.9	7.0	12.0	6.8	9.0
31	---	---	---	13.2	6.1	9.2	7.2	6.9	7.0	---	---	---
MONTH	9.9	5.5	8.1	14.0	4.4	7.7	15.2	4.6	7.6	14.0	5.2	8.0
YEAR	18.5	4.4	10.4									

06892350 KANSAS RIVER AT DESOTO, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	44	38	41	110	80	96	24	16	19	---	---	---
2	47	33	38	530	73	230	18	14	16	---	---	---
3	36	30	33	170	99	130	17	13	15	---	---	---
4	35	29	31	110	91	100	29	14	18	---	---	---
5	48	32	40	100	55	72	51	12	16	>1,400	340	>600
6	49	37	41	58	48	53	510	51	290	350	96	200
7	71	37	49	52	46	49	170	70	100	140	66	96
8	110	71	88	51	44	48	88	41	62	84	---	---
9	90	65	72	54	42	48	88	28	54	---	---	---
10	72	63	67	51	39	45	54	28	39	130	---	---
11	76	60	66	62	45	56	56	19	31	79	50	61
12	92	53	67	59	48	54	22	15	19	94	42	54
13	71	49	58	57	35	48	19	14	16	230	73	140
14	72	37	50	46	30	39	17	10	13	---	---	---
15	62	35	46	43	31	38	14	9	11	---	---	---
16	53	28	39	45	30	37	14	10	11	---	---	---
17	29	23	26	---	---	---	15	8	11	---	---	---
18	35	26	30	47	30	38	16	8.0	12	23	15	20
19	65	26	39	49	37	43	16	9	13	56	14	29
20	58	25	36	47	38	42	20	10	14	50	28	39
21	32	24	26	51	37	44	17	11	14	69	28	41
22	52	24	36	39	31	37	---	12	---	---	43	---
23	55	28	42	45	31	36	---	---	---	140	43	94
24	41	32	37	63	32	42	---	---	---	93	---	---
25	38	30	34	94	59	75	---	---	---	---	44	---
26	50	35	42	110	59	88	---	---	---	---	---	---
27	71	37	58	80	50	61	---	---	---	76	47	57
28	94	63	74	56	38	47	---	---	---	55	40	47
29	370	73	190	41	26	33	---	---	---	53	35	42
30	370	210	280	30	21	24	---	---	---	48	32	40
31	210	98	150	---	---	---	---	---	---	43	28	32
MONTH	370	23	62	530	21	60	510	8.0	38	1,400	14	100

06892350 KANSAS RIVER AT DESOTO, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU—CONTINUED

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	28	---	59	40	48	110	69	84	110	94	100
2	50	34	38	44	36	39	96	61	73	120	99	110
3	49	22	36	49	31	39	69	53	62	120	98	110
4	---	---	---	54	29	38	92	59	69	120	100	110
5	---	---	---	48	34	39	96	68	79	120	100	110
6	130	42	64	51	37	43	100	74	85	120	87	110
7	390	130	310	72	48	56	98	74	81	110	76	90
8	720	360	550	88	48	63	110	66	85	84	61	73
9	510	170	320	65	40	50	110	67	79	68	50	62
10	180	66	110	62	40	51	200	78	130	---	---	---
11	88	53	69	74	35	51	320	180	240	---	---	---
12	180	75	100	62	39	48	360	310	340	350	43	170
13	810	180	520	55	45	50	320	250	280	>1,440	130	>720
14	1,210	570	930	56	40	46	480	270	390	>1,440	>1,440	>1,440
15	960	370	620	59	39	47	490	360	420	>1,450	1,300	>1,430
16	440	180	290	61	36	46	390	280	330	>1,440	580	>800
17	200	150	170	56	39	46	290	220	250	700	530	630
18	170	130	140	55	42	49	230	180	200	530	300	390
19	160	140	150	53	36	44	190	160	180	1,230	300	620
20	170	140	160	59	38	48	170	140	160	1,080	300	480
21	160	130	140	50	36	41	150	130	140	300	220	240
22	120	99	110	53	41	47	160	130	140	220	200	210
23	120	92	110	53	31	41	170	150	160	210	170	190
24	110	98	110	41	27	33	160	130	140	200	160	180
25	110	66	85	49	33	40	140	120	130	190	170	180
26	82	64	73	38	32	35	140	120	130	190	160	180
27	72	61	68	110	32	61	130	120	130	190	150	170
28	65	51	61	97	72	81	130	110	120	180	140	160
29	---	---	---	130	96	110	130	110	120	170	140	150
30	---	---	---	130	100	120	120	98	100	180	140	160
31	---	---	---	120	81	98	---	---	---	170	150	160
MONTH	1,210	22	210	130	27	53	490	53	160	1,450	43	330

06892350 KANSAS RIVER AT DESOTO, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU—CONTINUED

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	>1,190	170	>580	1,200	120	330	46	38	42	---	---	---
2	730	190	340	680	260	480	71	33	47	---	---	---
3	>1,180	160	>490	260	170	200	59	46	53	---	---	---
4	>1,180	700	>1,080	410	160	250	52	41	47	---	---	---
5	>1,190	610	>1,020	510	360	440	---	---	---	---	---	---
6	>1,190	1,180	>1,180	380	150	230	---	---	---	---	---	---
7	>1,190	710	>920	160	100	130	---	---	---	62	47	54
8	710	570	650	120	82	100	---	---	---	54	36	47
9	630	420	520	110	64	89	77	52	64	44	35	39
10	430	330	370	77	64	72	68	56	62	45	34	39
11	>1,190	330	>850	80	53	71	67	51	58	39	34	36
12	>1,190	1,180	>1,190	74	28	48	54	46	50	39	32	36
13	>1,190	950	>1,060	49	33	39	140	46	61	51	37	43
14	>1,190	580	960	44	29	37	590	130	340	76	50	62
15	650	440	510	44	30	36	200	---	---	1,040	68	320
16	510	360	440	42	30	35	120	74	94	450	94	190
17	410	280	330	41	28	35	78	60	71	100	86	94
18	360	250	300	39	25	34	79	64	74	220	91	110
19	260	210	230	38	25	32	---	---	---	490	220	310
20	220	180	190	34	24	28	---	---	---	310	160	240
21	---	---	---	63	25	39	---	---	---	170	110	130
22	160	140	150	61	40	52	---	---	---	110	82	97
23	170	140	160	56	34	47	---	---	---	>1,070	80	>490
24	150	120	140	44	31	37	---	---	---	>1,070	1,000	>1,060
25	160	130	140	47	27	35	---	---	---	>1,060	450	>730
26	150	110	130	51	24	36	---	---	---	460	170	290
27	140	100	120	55	42	48	---	---	---	180	90	130
28	110	88	96	50	37	44	---	---	---	95	69	79
29	120	93	100	51	39	45	---	---	---	74	61	67
30	120	100	110	55	41	47	---	---	---	64	43	53
31	---	---	---	45	34	40	---	---	---	---	---	---
MONTH	1,190	88	500	1,200	24	100	590	33	82	1,070	32	200
YEAR	1,450	8.0	160									

> Actual value is known to be greater than the value shown

06892350 KANSAS RIVER AT DESOTO, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	70	50	61	16	11	13	---	---	---
2	35	25	27	270	45	130	12	9.7	11	---	---	---
3	33	26	29	93	60	78	11	9.2	10	---	---	---
4	34	29	32	65	56	61	19	9.4	12	---	---	---
5	35	26	30	68	43	51	33	8.7	11	---	---	---
6	32	25	28	42	36	39	290	33	180	---	---	---
7	50	25	34	43	39	41	99	46	65	---	---	---
8	75	50	60	---	---	---	---	---	---	---	---	---
9	60	45	49	---	---	---	---	---	---	---	---	---
10	50	44	46	---	---	---	---	---	---	---	---	---
11	51	44	46	---	---	---	---	---	---	---	---	---
12	61	40	47	---	---	---	---	---	---	---	---	---
13	50	36	42	---	---	---	---	---	---	---	---	---
14	49	28	36	---	---	---	---	---	---	---	---	---
15	44	29	35	---	---	---	---	---	---	---	---	---
16	45	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	34	21	26	---	---	---	---	---	---
19	---	---	---	31	25	29	---	---	---	---	---	---
20	---	---	---	32	26	28	---	---	---	---	---	---
21	---	---	---	34	24	28	---	---	---	---	---	---
22	---	---	---	26	21	24	---	---	---	---	---	---
23	---	---	---	28	20	23	---	---	---	---	---	---
24	---	---	---	40	21	27	---	---	---	---	---	---
25	---	---	---	60	37	47	---	---	---	---	---	---
26	---	---	---	66	37	54	---	---	---	---	---	---
27	---	---	---	50	33	39	---	---	---	44	27	32
28	---	---	---	35	25	30	---	---	---	30	23	26
29	242	58	127	25	17	21	---	---	---	27	19	23
30	230	130	170	18	14	16	---	---	---	---	---	---
31	130	65	95	---	---	---	---	---	---	---	---	---
MONTH	240	25	55	270	14	43	290	8.7	43	44	19	27

06892350 KANSAS RIVER AT DESOTO, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU—CONTINUED

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	28	20	23	31	24	27	69	45	53	71	60	65
2	32	20	23	25	21	23	58	40	45	75	63	68
3	30	15	22	28	20	23	44	35	39	75	66	70
4	27	16	19	31	18	23	57	38	44	77	66	71
5	24	16	19	28	20	23	58	44	50	81	66	72
6	64	19	25	32	23	26	63	47	54	89	67	76
7	230	64	180	43	29	33	63	48	52	83	67	72
8	410	220	330	51	29	37	68	44	54	---	---	---
9	280	94	180	37	25	30	62	46	51	---	---	---
10	96	40	61	36	24	30	120	50	87	---	---	---
11	46	33	38	42	22	30	210	120	160	---	---	---
12	95	40	58	36	24	29	230	200	210	210	28	110
13	470	95	300	32	28	30	200	160	170	>1,290	86	>460
14	740	380	570	32	25	28	300	170	250	>1,300	---	---
15	550	230	360	35	25	29	320	230	260	>1,290	760	>1,040
16	240	110	160	36	24	28	240	180	210	770	370	470
17	110	77	90	35	26	29	180	140	160	440	320	390
18	81	69	75	34	27	30	150	120	130	330	190	240
19	81	70	77	33	24	27	120	110	120	780	190	380
20	86	76	81	36	25	30	110	96	100	620	190	300
21	80	63	70	33	22	25	99	87	91	190	140	150
22	66	52	57	36	24	28	100	85	93	140	130	130
23	57	47	51	31	20	24	110	96	100	130	110	120
24	52	39	44	27	17	20	99	86	90	130	110	120
25	48	41	43	31	20	24	87	77	82	130	110	120
26	46	37	41	24	20	21	86	77	81	130	110	120
27	41	35	38	61	21	38	82	74	78	120	100	110
28	39	33	37	72	44	50	82	72	77	110	99	100
29	---	---	---	81	60	65	82	72	75	110	97	100
30	---	---	---	84	65	73	73	63	66	110	100	100
31	---	---	---	72	52	61	---	---	---	120	100	110
MONTH	740	15	110	84	17	32	320	35	100	1,300	28	200

06892350 KANSAS RIVER AT DESOTO, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU—CONTINUED

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	820	110	360	420	74	210	31	27	29	200	170	180
2	400	120	210	420	170	300	47	24	32	170	130	140
3	780	110	290	170	110	130	40	29	35	130	89	100
4	820	420	650	270	100	160	32	27	30	94	62	76
5	>1,350	390	>800	320	220	270	35	28	31	62	45	54
6	>1,340	720	>1,160	230	100	140	---	---	---	45	37	40
7	750	430	550	100	67	83	---	---	---	41	34	37
8	430	370	400	73	59	66	---	---	---	37	26	32
9	380	260	320	65	46	57	56	35	45	30	26	28
10	260	210	230	48	42	45	49	38	43	31	24	27
11	1,300	210	710	48	41	45	45	35	39	27	24	25
12	1,090	710	930	42	21	30	38	30	33	27	24	26
13	790	540	650	26	21	24	93	30	40	37	26	30
14	830	370	570	26	20	22	340	87	210	54	35	43
15	370	280	300	24	20	23	120	67	87	420	47	190
16	300	230	260	25	20	22	68	41	54	260	62	120
17	240	180	200	24	19	22	46	37	42	66	59	62
18	220	160	180	25	18	21	43	38	40	140	61	69
19	160	130	150	25	16	20	110	40	50	300	140	200
20	130	120	120	21	15	17	690	49	360	190	100	150
21	120	99	110	32	17	24	540	340	410	100	76	86
22	100	93	96	40	25	34	510	200	310	76	57	66
23	110	96	100	---	---	---	340	---	---	920	60	320
24	100	88	92	---	---	---	---	160	---	890	620	790
25	100	87	94	---	---	---	1,270	130	380	620	310	440
26	95	79	85	34	15	26	610	220	360	310	110	190
27	81	70	75	38	30	33	540	210	310	110	71	85
28	70	58	63	32	26	29	860	540	710	---	---	---
29	80	66	70	32	28	30	650	350	510	---	---	---
30	83	68	74	38	28	33	360	220	280	---	---	---
31	---	---	---	31	25	27	220	200	220	---	---	---
MONTH	1,350	58	330	420	15	69	1,270	24	180	920	24	130
YEAR	1,350	8.7	130									

> Actual value is known to be greater than the value shown

06892360 KILL CREEK AT 95TH STREET NEAR DESOTO, KS

LOCATION.--Lat 38°57'24", long 94°58'25", in SW ¼ SW ¼ SE ¼ sec.33, T.12 S., R.22 E., Johnson County, Hydrologic Unit 10270104, on left downstream side of 95th Street and 1 mi south of DeSoto, and at mile 2.8.

WATER-DISCHARGE RECORDS

DRAINAGE AREA.--53.40 mi^2.

PERIOD OF RECORD.--April 2003 to current year.

GAGE.--Water-stage recorder. Datum of gage is 766.01 ft above NAVD of 1988 (Johnson County, Kansas, bench mark).

REMARKS.--Records good except those for estimated daily discharges, which are fair. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	14	32	8.1	26	19	10	4.0	210	7.8	1.2	12
2	1.6	29	27	8.3	32	17	9.1	4.3	63	7.3	1.1	13
3	1.3	9.5	24	379	27	16	8.7	4.3	337	5.9	1.0	11
4	1.6	151	21	305	24	17	8.5	4.1	2,450	31	1.0	8.7
5	2.0	48	105	514	23	15	8.7	4.1	e216	19	0.95	7.0
6	2.5	25	203	115	95	13	11	4.0	e84	11	0.91	6.0
7	6.0	17	73	69	246	22	11	3.4	56	7.6	0.90	5.8
8	16	13	48	53	91	17	9.7	3.4	36	5.7	0.84	5.0
9	8.4	12	36	65	65	15	8.5	4.4	87	4.8	0.84	4.4
10	4.0	12	28	125	52	14	8.5	4.6	46	4.0	0.85	3.8
11	3.2	55	24	87	55	12	13	4.2	370	3.7	0.87	3.5
12	6.1	28	21	109	151	12	21	4.0	586	3.1	0.95	3.4
13	18	17	18	138	676	11	14	313	573	2.7	e34	3.6
14	7.8	13	16	63	188	11	10	101	134	2.4	58	4.2
15	4.8	12	14	43	91	10	8.9	40	66	2.1	16	32
16	3.6	11	14	34	65	10	7.8	23	41	1.8	7.7	29
17	3.2	11	13	29	51	9.8	7.1	19	28	1.5	5.0	13
18	2.7	11	13	26	42	10	6.7	15	22	1.5	3.8	18
19	2.8	13	12	26	38	9.9	6.7	13	16	1.8	5.8	26
20	2.6	12	11	29	43	9.3	5.9	11	13	2.2	966	12
21	2.5	9.4	11	35	39	9.8	5.6	8.7	11	2.4	74	8.3
22	2.4	8.5	10	28	31	17	5.2	e7.8	8.9	2.7	29	6.6
23	2.4	8.1	8.0	23	27	25	4.7	6.1	8.0	2.1	21	581
24	2.4	79	5.0	20	25	21	4.7	5.6	6.8	1.6	27	133
25	2.5	111	5.5	19	23	19	5.0	4.9	6.0	1.3	1,090	50
26	2.8	197	7.1	18	21	16	5.5	4.3	5.2	1.1	1,060	28
27	2.7	155	7.6	17	20	14	5.1	3.7	4.5	2.4	166	19
28	4.2	79	8.0	16	21	13	4.8	3.5	4.5	1.8	63	15
29	3.7	47	8.4	17	---	12	4.9	3.3	4.4	2.7	35	19
30	2.6	37	8.1	18	---	13	4.8	3.3	4.8	1.7	22	14
31	2.4	---	8.7	20	---	12	---	3.4	---	1.3	16	---
MEAN	4.20	41.5	27.1	79.2	81.7	14.3	8.17	20.6	183	4.77	120	36.5
MAX	18	197	203	514	676	25	21	313	2,450	31	1,090	581
MIN	1.3	8.1	5.0	8.1	20	9.3	4.7	3.3	4.4	1.1	0.84	3.4
AC-FT	258	2,470	1,670	4,870	4,540	876	486	1,270	10,910	294	7,360	2,170

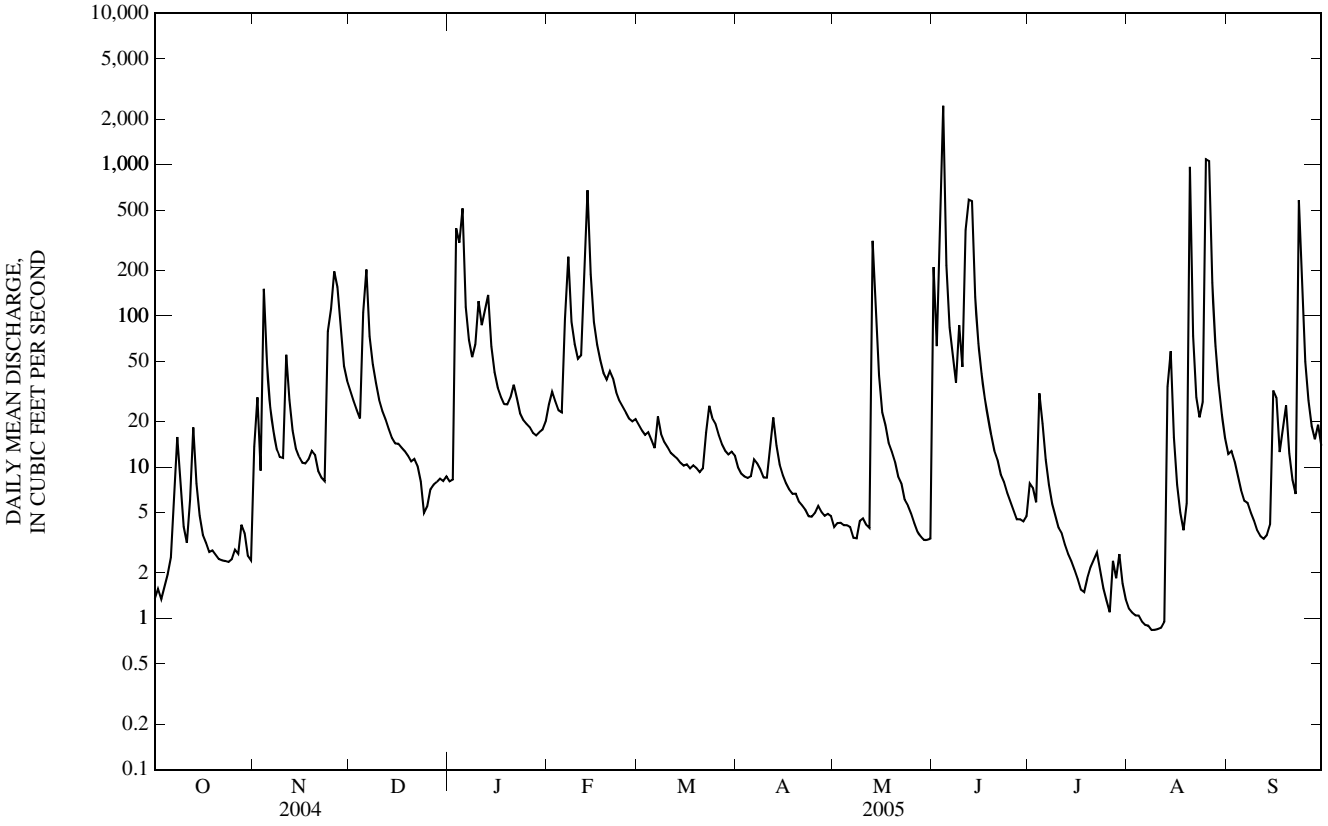
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	3.10	21.6	15.0	42.0	46.3	45.5	7.24	21.0	69.0	38.2	61.6	17.1
MAX	4.20	41.5	27.1	79.2	81.7	76.7	8.84	40.3	183	109	120	36.5
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2004)	(2005)	(2004)	(2005)	(2005)
MIN	2.00	1.72	2.83	4.75	12.0	14.3	4.70	2.17	4.27	0.70	23.1	6.33
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)

06892360 KILL CREEK AT 95TH STREET NEAR DESOTO, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2003 - 2005	
ANNUAL MEAN	33.0		51.3		39.4	
HIGHEST ANNUAL MEAN					51.3	2005
LOWEST ANNUAL MEAN					27.5	2004
HIGHEST DAILY MEAN	1,490	Jul 24	2,450	Jun 4	2,450	Jun 4, 2005
LOWEST DAILY MEAN	1.1	Aug 18	0.84	Aug 8	0.00	Aug 4, 2003
ANNUAL SEVEN-DAY MINIMUM	1.4	Aug 15	0.88	Aug 5	0.00	Aug 4, 2003
MAXIMUM PEAK FLOW			5,820	Jun 4	5,820	Jun 4, 2005
MAXIMUM PEAK STAGE			23.70	Jun 4	23.70	Jun 4, 2005
INSTANTANEOUS LOW FLOW			0.81	Aug 8	0.00	Aug 4, 2003
ANNUAL RUNOFF (AC-FT)	23,940		37,160		28,540	
10 PERCENT EXCEEDS	50		89		62	
50 PERCENT EXCEEDS	8.4		12		8.1	
90 PERCENT EXCEEDS	2.3		2.4		1.7	

e Estimated



06892360 KILL CREEK AT 95TH STREET NEAR DESOTO, KS—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 2004 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: February 2004 to current year.
pH: February 2004 to current year.
WATER TEMPERATURE: February 2004 to current year.
DISSOLVED OXYGEN: February 2004 to current year.
TURBIDITY (YSI 6136 sensor): June 2004 to current year.

INSTRUMENTATION.--Multiparameter water-quality monitor.

REMARKS.--Records good. Interruptions in record are due to ice conditions or malfunction of the recording instrument or sensors. Instruments used to measure turbidity conform to ISO 7027 standards and were made using Yellow Springs International (YSI) 6136 sensor.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 747 microsiemens/cm, Dec. 25, 2004; minimum, 152 microsiemens/cm, Aug. 28, 2004.
pH: Maximum, 8.4 standard units, Aug. 26, 2004; minimum, 7.5 standard units, Mar. 4, 2004.
WATER TEMPERATURE: Maximum, 32.1°C, July 23, 2005; minimum, 0.0°C, Jan. 14, 2005.
DISSOLVED OXYGEN: Maximum, 17.7 mg/L, Mar. 2, 2005; minimum, 2.7 mg/L, Aug. 11, 2005.
TURBIDITY (YSI 6136 sensor): Maximum, 1,470 FNU, June 4, 2005; minimum, <2.0 FNU, July 31, 2004.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 747 microsiemens/cm, Dec. 25; minimum, 159 microsiemens/cm, Aug. 20.
pH: Maximum, 8.4 standard units, May 4; minimum, 7.5 standard units, June 4.
WATER TEMPERATURE: Maximum, 32.1°C, July 23; minimum, 0.0°C, Jan. 14.
DISSOLVED OXYGEN: Maximum, 17.7 mg/L, Mar. 2; minimum, 2.7 mg/L, Aug. 11.
TURBIDITY (YSI 6136 sensor): Maximum, 1,450 FNU, June 4; minimum, <2.0 FNU, Dec. 5.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	632	624	628	648	613	629	568	539	555	661	635	651
2	631	626	629	649	593	603	591	568	579	635	625	630
3	633	625	630	610	591	603	606	591	599	625	279	436
4	636	631	634	596	364	421	618	606	613	403	302	371
5	637	630	634	427	368	396	625	413	592	386	278	323
6	647	633	637	479	427	456	413	294	346	468	386	432
7	652	630	645	514	479	498	461	388	425	517	468	495
8	646	533	609	544	514	529	514	461	488	548	517	533
9	562	514	537	572	544	556	545	514	530	564	525	555
10	570	562	567	600	572	580	571	545	559	525	460	489
11	571	567	570	619	572	590	606	571	591	525	507	516
12	587	570	577	607	535	580	617	606	611	530	490	520
13	597	504	552	535	518	523	616	608	613	490	462	469
14	539	507	525	537	518	527	637	616	628	518	467	492
15	568	539	553	560	537	548	647	637	641	569	518	548
16	593	568	582	578	560	569	654	646	651	610	569	593
17	601	593	599	594	578	586	665	652	656	629	610	619
18	601	591	598	603	594	598	669	659	663	639	629	636
19	591	585	587	615	603	608	669	660	663	---	---	---
20	589	584	586	618	611	615	666	662	664	---	---	---
21	598	589	593	621	612	615	670	666	668	631	618	623
22	602	598	600	634	621	630	697	670	677	635	621	626
23	608	601	604	636	626	635	719	697	714	643	635	639
24	611	605	608	626	528	603	742	716	731	640	622	633
25	614	609	611	528	384	412	747	734	743	626	620	623
26	613	600	608	395	339	358	736	722	732	628	621	625
27	625	606	617	416	369	392	722	701	715	624	623	624
28	625	491	614	443	389	413	701	687	696	628	622	626
29	632	625	630	501	443	474	687	679	685	629	621	625
30	634	631	633	539	501	521	679	647	660	622	615	620
31	635	629	631	---	---	---	648	645	646	619	612	616
MONTH	652	491	601	649	339	536	747	294	624	661	278	558

06892360 KILL CREEK AT 95TH STREET NEAR DESOTO, KS—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	616	605	611	618	605	611	637	632	635	677	671	674
2	619	606	612	624	608	617	639	627	632	675	670	672
3	632	618	622	622	608	615	638	629	635	677	670	673
4	654	632	646	618	603	612	644	635	641	680	666	674
5	662	622	646	618	603	611	654	642	649	683	673	676
6	622	522	595	623	606	618	653	645	649	685	680	682
7	522	385	406	617	586	605	646	640	642	688	681	684
8	483	415	452	614	585	599	643	639	641	686	678	683
9	528	483	506	623	614	620	646	639	644	683	678	680
10	559	528	544	630	622	626	647	642	645	688	680	684
11	574	559	568	638	627	633	647	638	643	690	681	686
12	639	429	578	647	635	639	647	625	634	682	633	678
13	429	309	340	648	640	644	648	627	640	641	390	498
14	471	364	424	650	642	646	651	648	649	513	432	479
15	524	471	498	654	649	650	648	642	645	547	513	530
16	554	521	539	655	650	653	651	645	649	571	547	557
17	574	554	563	658	653	656	658	648	654	591	573	583
18	586	574	580	661	656	658	658	654	657	607	591	601
19	599	586	595	662	656	660	660	655	658	612	598	603
20	596	589	593	661	657	660	665	655	659	614	610	612
21	601	591	595	663	655	660	668	657	664	615	605	609
22	616	600	609	657	637	651	670	666	667	---	---	---
23	612	607	610	637	624	629	672	668	670	626	608	617
24	613	601	607	654	632	646	675	671	673	638	626	630
25	615	597	606	653	643	648	672	661	668	640	635	638
26	616	595	605	651	644	649	666	661	663	647	639	645
27	616	600	607	650	638	643	669	662	667	651	645	649
28	616	603	609	638	631	635	672	667	670	652	646	648
29	---	---	---	637	630	633	674	668	670	655	651	653
30	---	---	---	640	632	635	677	669	673	658	652	655
31	---	---	---	638	630	633	---	---	---	657	617	651
MONTH	662	309	563	663	585	635	677	625	653	690	390	633

06892360 KILL CREEK AT 95TH STREET NEAR DESOTO, KS—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	628	371	481	610	603	608	581	571	575	557	539	549
2	459	396	421	612	589	605	587	578	582	564	556	560
3	482	318	414	589	539	564	592	583	588	561	556	558
4	410	199	311	539	498	521	595	591	593	571	558	561
5	493	410	455	525	514	521	597	592	594	574	568	571
6	544	493	521	524	473	494	599	595	597	578	569	575
7	568	543	554	482	469	476	600	596	597	581	572	576
8	583	553	572	494	471	484	602	596	597	580	573	577
9	580	456	533	507	494	503	597	594	596	578	573	575
10	510	456	485	524	507	519	599	592	594	584	574	581
11	518	279	426	533	521	529	---	---	---	591	579	584
12	399	265	338	540	532	537	---	---	---	594	587	589
13	382	303	347	550	539	546	---	---	---	595	586	592
14	474	382	433	556	549	552	487	322	375	601	591	596
15	524	474	501	560	553	556	364	333	356	601	473	548
16	560	524	542	567	559	563	378	363	369	552	475	521
17	584	560	572	573	565	568	406	378	390	475	440	448
18	600	584	592	574	564	572	434	406	422	467	433	445
19	617	600	609	575	568	571	447	325	431	466	438	454
20	627	616	621	574	566	571	395	159	256	484	457	467
21	633	624	626	578	570	573	399	328	368	509	484	497
22	633	620	626	584	575	578	442	399	422	525	509	519
23	632	617	626	589	581	583	471	442	458	526	253	337
24	627	617	623	589	585	587	482	471	475	405	307	363
25	621	610	616	589	586	587	482	171	285	460	405	434
26	617	606	610	587	564	581	342	182	276	496	460	479
27	616	604	611	577	563	569	413	308	368	519	496	509
28	616	595	604	---	---	---	463	413	441	535	519	530
29	624	601	616	---	---	---	498	463	480	540	535	538
30	626	609	619	564	556	559	526	498	512	550	536	542
31	---	---	---	574	563	567	540	526	534	---	---	---
MONTH	633	199	530	612	469	553	602	159	469	601	253	522
YEAR	747	159	574									

06892360 KILL CREEK AT 95TH STREET NEAR DESOTO, KS—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.0	7.8	7.9	8.0	7.8	7.8	8.2	8.1	8.2	8.1	8.0	8.0
2	8.0	7.8	7.9	8.2	8.0	8.1	8.2	8.1	8.2	8.0	7.9	8.0
3	8.0	7.9	7.9	8.1	8.1	8.1	8.2	8.1	8.2	8.0	7.8	7.8
4	8.0	7.8	7.9	8.1	8.0	8.1	8.2	8.1	8.2	7.9	7.8	7.8
5	8.0	7.8	7.9	8.0	8.0	8.0	8.2	8.1	8.2	7.8	7.8	7.8
6	8.1	7.9	8.0	8.0	8.0	8.0	8.1	8.0	8.0	7.8	7.8	7.8
7	8.0	7.9	7.9	8.0	8.0	8.0	8.1	8.0	8.0	7.8	7.8	7.8
8	8.0	7.9	7.9	8.0	8.0	8.0	8.1	8.0	8.0	7.8	7.8	7.8
9	8.1	7.9	8.0	8.1	8.0	8.0	8.0	8.0	8.0	8.0	7.8	7.8
10	8.0	8.0	8.0	8.1	8.0	8.1	8.0	8.0	8.0	8.0	7.8	7.9
11	8.0	7.9	8.0	8.3	8.1	8.2	8.0	8.0	8.0	7.8	7.8	7.8
12	8.0	7.9	8.0	8.2	8.2	8.2	8.1	8.0	8.0	7.9	7.8	7.8
13	8.2	8.0	8.1	8.2	8.1	8.1	8.1	8.0	8.1	7.9	7.8	7.8
14	8.2	8.2	8.2	8.2	8.1	8.1	8.1	8.0	8.1	7.8	7.7	7.7
15	8.2	8.2	8.2	8.2	8.1	8.1	8.1	8.0	8.1	7.7	7.7	7.7
16	8.2	8.1	8.2	8.1	8.1	8.1	8.1	8.0	8.1	7.7	7.7	7.7
17	8.2	8.1	8.1	8.1	8.0	8.1	8.1	8.0	8.1	7.8	7.7	7.8
18	8.2	8.0	8.0	8.1	8.0	8.1	8.1	8.0	8.1	7.8	7.8	7.8
19	8.0	8.0	8.0	8.1	8.0	8.0	8.1	8.1	8.1	---	---	---
20	8.0	8.0	8.0	8.2	8.1	8.1	8.2	8.1	8.1	7.9	---	---
21	8.0	7.9	8.0	8.2	8.2	8.2	8.1	8.1	8.1	7.9	7.9	7.9
22	8.0	7.9	7.9	8.2	8.0	8.1	8.1	8.0	8.1	8.0	7.9	8.0
23	8.0	7.8	7.9	8.1	8.1	8.1	8.0	8.0	8.0	8.0	7.9	7.9
24	8.0	7.8	7.9	8.3	8.1	8.2	8.0	7.9	7.9	7.9	7.8	7.9
25	7.9	7.8	7.9	8.3	8.1	8.2	7.9	7.9	7.9	7.9	7.8	7.9
26	7.9	7.9	7.9	8.2	8.1	8.1	8.0	7.9	7.9	7.9	7.8	7.9
27	7.9	7.8	7.9	8.2	8.1	8.1	8.0	7.9	8.0	7.9	7.8	7.9
28	8.1	7.9	8.0	8.1	8.1	8.1	8.0	8.0	8.0	7.9	7.8	7.9
29	8.1	7.9	8.0	8.1	8.1	8.1	8.0	7.9	8.0	8.0	7.8	7.9
30	8.0	7.8	7.9	8.2	8.1	8.1	8.1	8.0	8.0	8.0	7.8	7.9
31	7.9	7.8	7.9	---	---	---	8.1	8.0	8.1	8.0	7.9	8.0
MAX	8.2	8.2	8.2	8.3	8.2	8.2	8.2	8.1	8.2	8.1	8.0	8.0
MIN	7.9	7.8	7.9	8.0	7.8	7.8	7.9	7.9	7.9	7.7	7.7	7.7

06892360 KILL CREEK AT 95TH STREET NEAR DESOTO, KS—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.1	7.9	8.0	8.3	8.0	8.1	8.3	8.1	8.2	8.3	8.1	8.2
2	8.2	8.0	8.1	8.2	8.0	8.1	8.3	8.2	8.2	8.2	8.1	8.1
3	8.2	8.1	8.1	8.3	8.0	8.1	8.2	8.1	8.2	8.2	7.9	8.1
4	8.2	8.0	8.1	8.3	7.9	8.1	8.2	8.0	8.1	8.4	7.8	8.0
5	8.3	7.9	8.1	8.3	8.0	8.1	8.2	8.0	8.1	8.3	7.9	8.0
6	8.2	7.9	8.0	8.3	8.0	8.1	8.2	8.0	8.0	8.1	7.8	8.0
7	8.0	7.8	7.9	8.2	7.9	8.1	8.1	8.0	8.1	8.0	7.8	7.9
8	7.9	7.8	7.9	8.1	7.9	8.0	8.2	8.0	8.1	7.9	7.7	7.8
9	8.0	7.8	7.9	8.1	7.9	8.0	8.2	8.1	8.2	8.0	7.7	7.8
10	8.0	7.9	8.0	8.2	8.0	8.1	8.2	8.0	8.1	8.0	7.8	7.9
11	8.1	7.9	8.0	8.2	8.0	8.1	8.2	8.0	8.1	7.9	7.7	7.8
12	8.0	7.9	8.0	8.1	7.9	8.0	8.1	8.0	8.1	7.9	7.7	7.8
13	7.9	7.8	7.8	8.0	7.9	8.0	8.2	8.0	8.1	7.9	7.7	7.8
14	7.8	7.7	7.8	8.0	7.9	8.0	8.3	8.1	8.2	7.9	7.9	7.9
15	7.8	7.8	7.8	8.0	7.9	7.9	8.3	8.1	8.2	7.9	7.9	7.9
16	7.9	7.8	7.8	8.0	7.9	7.9	8.3	8.1	8.2	7.9	7.8	7.9
17	7.9	7.8	7.8	8.0	7.9	8.0	8.2	8.1	8.2	8.0	7.8	7.9
18	7.9	7.8	7.8	8.2	7.9	8.0	8.1	8.0	8.0	7.9	7.9	7.9
19	7.8	7.8	7.8	8.2	8.1	8.1	8.0	7.9	8.0	8.0	7.8	7.9
20	8.0	7.8	7.8	8.1	8.0	8.1	8.0	7.8	7.9	8.0	7.8	7.9
21	8.0	7.9	7.9	8.1	8.0	8.0	8.0	7.8	7.9	8.0	7.8	7.9
22	8.2	7.9	8.0	8.0	8.0	8.0	8.0	7.8	7.9	---	---	---
23	8.1	8.0	8.0	8.2	8.0	8.1	8.1	7.9	8.0	7.9	7.8	7.8
24	8.2	7.9	8.0	8.2	8.1	8.2	8.1	8.0	8.0	8.0	7.8	7.8
25	8.2	8.0	8.1	8.1	8.1	8.1	8.1	7.9	8.0	8.0	7.8	7.9
26	8.2	7.9	8.1	8.2	8.1	8.1	8.1	7.9	8.0	8.0	7.8	7.9
27	8.2	7.9	8.0	8.2	8.1	8.2	8.3	8.0	8.1	8.0	7.8	7.9
28	8.2	7.9	8.0	8.2	8.2	8.2	8.1	8.0	8.1	8.0	7.8	7.9
29	---	---	---	8.2	8.1	8.2	8.1	8.0	8.1	8.0	7.8	7.9
30	---	---	---	8.2	8.1	8.2	8.3	8.0	8.1	8.0	7.8	7.9
31	---	---	---	8.2	8.1	8.2	---	---	---	8.1	7.8	8.0
MAX	8.3	8.1	8.1	8.3	8.2	8.2	8.3	8.2	8.2	8.4	8.1	8.2
MIN	7.8	7.7	7.8	8.0	7.9	7.9	8.0	7.8	7.9	7.9	7.7	7.8

06892360 KILL CREEK AT 95TH STREET NEAR DESOTO, KS—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.0	7.9	7.9	7.8	7.7	7.7	7.9	7.6	7.8	7.8	7.8	7.8
2	7.9	7.7	7.7	7.9	7.7	7.8	7.9	7.7	7.8	7.9	7.8	7.8
3	7.8	7.7	7.7	7.9	7.7	7.8	7.9	7.6	7.8	7.9	7.8	7.8
4	7.8	7.5	7.5	8.0	7.8	7.8	8.0	7.6	7.7	7.9	7.8	7.8
5	7.6	7.5	7.6	8.1	7.9	8.0	7.8	7.6	7.7	7.9	7.8	7.8
6	7.6	7.5	7.6	8.0	7.8	7.9	7.9	7.6	7.7	7.9	7.8	7.8
7	7.6	7.6	7.6	8.0	7.8	7.9	7.8	7.6	7.7	7.9	7.8	7.8
8	7.6	7.6	7.6	8.0	7.7	7.9	7.8	7.6	7.7	7.9	7.8	7.8
9	7.8	7.6	7.7	7.9	7.7	7.8	7.8	7.6	7.7	7.9	7.8	7.8
10	7.6	7.6	7.6	8.0	7.7	7.8	7.8	7.6	7.7	7.9	7.8	7.8
11	7.8	7.6	7.7	8.0	7.7	7.8	7.7	---	---	7.9	7.8	7.8
12	7.8	7.7	7.7	8.1	7.7	7.9	---	---	---	7.9	7.8	7.8
13	7.7	7.6	7.7	8.0	7.7	7.8	7.9	---	---	7.9	7.8	7.8
14	7.7	7.6	7.6	8.1	7.6	7.9	7.9	7.8	7.8	7.9	7.8	7.9
15	7.7	7.6	7.6	8.0	7.7	7.8	7.8	7.8	7.8	8.0	7.9	7.9
16	7.7	7.6	7.7	7.9	7.6	7.8	7.8	7.6	7.7	8.0	8.0	8.0
17	7.7	7.7	7.7	7.9	7.6	7.8	7.7	7.6	7.6	8.0	7.9	7.9
18	7.8	7.7	7.7	7.9	7.6	7.7	7.7	7.6	7.6	8.0	7.9	7.9
19	7.8	7.7	7.7	7.8	7.6	7.6	7.8	7.6	7.7	8.1	7.9	8.0
20	7.8	7.7	7.8	7.8	7.6	7.6	7.9	7.7	7.7	8.0	7.9	7.9
21	7.9	7.7	7.8	7.9	7.6	7.7	7.8	7.7	7.7	8.0	7.8	7.9
22	7.9	7.7	7.8	7.9	7.6	7.7	7.8	7.7	7.7	7.9	7.8	7.9
23	7.9	7.7	7.8	7.8	7.6	7.7	7.8	7.7	7.7	7.9	7.8	7.8
24	7.9	7.7	7.8	7.8	7.6	7.7	7.9	7.8	7.8	7.8	7.8	7.8
25	8.0	7.7	7.8	7.8	7.6	7.7	8.0	7.7	7.8	7.8	7.7	7.8
26	8.0	7.7	7.9	7.7	7.5	7.6	7.8	7.7	7.7	7.8	7.7	7.8
27	8.0	7.7	7.9	7.8	7.6	7.6	7.8	7.7	7.7	7.9	7.8	7.8
28	7.9	7.6	7.7	---	---	---	7.8	7.7	7.8	7.9	7.8	7.8
29	7.8	7.6	7.7	7.8	---	---	7.8	7.7	7.8	8.0	7.9	7.9
30	7.8	7.7	7.7	7.9	7.6	7.7	7.8	7.7	7.8	8.0	8.0	8.0
31	---	---	---	7.9	7.6	7.7	7.8	7.8	7.8	---	---	---
MAX	8.0	7.9	7.9	8.1	7.9	8.0	8.0	7.8	7.8	8.1	8.0	8.0
MIN	7.6	7.5	7.5	7.7	7.5	7.6	7.7	7.6	7.6	7.8	7.7	7.8

YEAR			
	MAX	MAXIMUM 8.4	MINIMUM 7.6
	MIN	MAXIMUM 8.2	MINIMUM 7.5
	MEDIAN	MAXIMUM 8.2	MINIMUM 7.5

06892360 KILL CREEK AT 95TH STREET NEAR DESOTO, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.4	16.6	17.6	15.3	14.8	15.1	4.5	3.4	3.9	8.9	7.1	7.9
2	16.6	14.9	15.7	14.8	12.9	13.8	4.4	3.2	3.8	9.1	7.0	8.1
3	16.3	13.5	14.7	12.9	11.5	12.1	4.1	2.8	3.5	7.0	4.2	5.2
4	15.4	13.9	14.7	11.5	10.4	11.0	4.7	2.8	3.8	4.4	2.6	3.8
5	15.7	13.3	14.3	10.9	9.5	10.3	5.7	3.6	4.3	2.6	1.4	1.9
6	15.5	13.0	14.0	11.9	9.9	10.8	7.7	5.7	6.8	1.4	0.3	0.7
7	15.6	14.7	15.1	11.5	10.1	10.9	7.9	7.0	7.6	1.7	0.6	1.1
8	17.4	15.6	16.4	10.9	9.8	10.4	7.1	6.0	6.7	2.2	1.6	1.9
9	17.7	16.7	17.2	11.2	9.8	10.5	7.1	6.4	6.8	3.5	1.8	2.6
10	17.1	15.9	16.6	11.3	9.9	10.7	6.7	5.9	6.4	3.3	2.4	2.7
11	16.8	15.0	15.9	11.2	9.9	10.7	6.1	5.5	5.8	2.8	2.4	2.6
12	15.0	13.9	14.4	9.9	8.4	9.2	6.3	5.3	5.8	3.2	2.6	2.8
13	14.3	13.3	13.8	8.4	7.2	7.8	5.7	3.3	4.4	2.7	0.9	2.0
14	13.8	12.7	13.3	8.0	7.1	7.6	3.3	1.6	2.1	0.9	0.0	0.2
15	12.7	11.6	12.2	9.1	8.0	8.6	1.8	0.9	1.4	0.4	0.1	0.2
16	12.4	11.0	11.7	11.1	9.1	10.2	2.7	1.5	2.1	0.6	0.1	0.3
17	12.5	10.9	11.8	13.2	11.1	12.2	3.2	2.1	2.7	0.7	0.2	0.3
18	13.1	12.3	12.8	13.4	12.7	13.0	4.1	2.9	3.5	0.7	0.2	0.4
19	13.4	12.8	13.1	13.4	12.9	13.2	3.4	0.8	2.0	---	---	---
20	13.3	13.1	13.2	12.9	11.9	12.5	1.7	0.4	1.0	3.0	---	---
21	14.1	13.2	13.6	11.9	9.9	10.7	1.6	1.1	1.4	3.1	2.6	2.9
22	16.6	14.1	15.6	9.9	9.5	9.6	1.1	0.2	0.5	2.9	0.3	1.6
23	17.4	15.6	16.4	9.9	8.9	9.7	0.7	0.2	0.4	0.8	0.1	0.4
24	15.6	14.0	14.9	8.9	4.5	6.1	0.8	0.2	0.4	1.6	0.2	0.8
25	15.4	14.2	14.8	5.3	3.4	4.2	0.8	0.3	0.5	3.0	1.3	2.1
26	16.6	15.1	15.7	7.8	5.3	6.3	0.8	0.3	0.5	3.1	2.4	2.8
27	16.8	16.1	16.4	8.4	7.4	8.1	0.8	0.3	0.6	3.2	2.7	3.0
28	18.3	16.8	17.4	7.4	6.1	6.5	1.3	0.5	0.9	3.3	2.5	2.9
29	19.8	18.2	18.8	6.1	5.8	6.0	---	0.9	---	3.6	2.6	3.1
30	18.8	15.6	16.9	5.8	4.5	5.2	6.0	1.9	4.0	4.0	3.4	3.7
31	15.6	14.2	14.9	---	---	---	7.4	5.8	6.6	4.1	3.7	3.9
MONTH	19.8	10.9	15.0	15.3	3.4	9.8	7.9	0.2	3.3	9.1	0.0	2.5

06892360 KILL CREEK AT 95TH STREET NEAR DESOTO, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.9	3.7	4.3	5.3	3.2	4.4	14.1	11.3	12.6	15.1	11.3	13.0
2	4.4	3.4	4.0	6.1	3.4	4.7	14.0	10.5	12.3	15.3	11.5	13.2
3	4.2	2.2	3.2	7.8	4.8	6.2	15.9	11.8	13.8	15.6	11.7	13.6
4	5.2	2.5	3.9	9.5	6.8	8.2	18.1	14.4	16.3	16.4	13.0	14.6
5	6.2	3.9	5.1	9.8	7.8	8.9	17.6	16.6	17.1	16.9	13.6	15.2
6	6.6	5.9	6.2	10.6	8.0	9.4	18.6	16.3	17.3	19.7	15.4	17.4
7	6.2	3.6	4.9	10.8	9.4	10.4	17.7	15.0	16.3	20.3	18.1	19.1
8	3.6	1.3	2.4	9.4	7.5	8.0	16.8	13.3	15.1	20.0	18.7	19.4
9	2.1	0.6	1.3	8.3	6.8	7.5	18.0	15.4	16.7	22.4	18.2	20.2
10	2.4	0.4	1.4	9.3	6.9	8.1	19.1	16.6	17.9	24.3	19.5	21.8
11	3.6	1.3	2.5	9.4	7.2	8.4	20.4	17.8	19.0	23.7	21.8	22.8
12	4.6	2.8	3.6	11.4	8.4	9.8	19.3	15.8	17.3	23.5	20.6	21.8
13	6.7	4.6	6.0	9.8	8.3	9.1	16.9	14.3	15.6	21.3	17.1	18.7
14	7.9	5.5	6.7	9.8	7.3	8.5	17.5	13.9	15.6	19.6	17.1	18.3
15	8.6	7.2	7.9	9.7	7.6	8.6	17.9	14.5	16.2	19.1	16.5	17.9
16	7.9	6.1	6.9	10.2	7.4	8.8	19.2	15.6	17.5	19.7	16.1	17.9
17	7.2	5.3	6.4	10.8	7.9	9.3	20.4	16.8	18.6	21.2	17.4	19.4
18	6.5	5.0	5.9	11.5	8.8	9.9	19.8	18.3	19.1	20.6	19.6	19.9
19	6.4	6.0	6.1	10.7	8.3	9.5	20.6	18.5	19.5	23.5	19.2	21.3
20	8.9	6.4	7.7	10.6	7.8	9.3	21.2	19.3	20.1	25.1	21.5	23.2
21	8.5	7.4	7.8	10.2	9.1	9.6	23.4	20.0	21.3	25.0	22.0	23.6
22	8.2	6.7	7.4	9.1	7.0	8.0	21.4	17.5	19.3	---	---	---
23	7.8	7.2	7.5	8.0	6.5	7.2	17.7	14.9	16.3	---	22.4	---
24	8.2	6.3	7.2	7.9	7.2	7.6	16.8	13.5	15.2	24.9	22.6	23.5
25	8.3	5.4	7.0	7.8	7.2	7.5	15.7	13.5	14.2	24.8	21.4	22.9
26	8.3	5.8	7.2	7.5	6.8	7.2	14.0	12.1	13.1	24.2	21.3	22.7
27	8.6	7.6	8.1	10.0	6.3	8.2	15.5	11.6	13.5	22.7	20.0	21.1
28	8.0	4.9	6.3	11.8	8.2	10.1	14.5	13.2	13.8	22.5	18.7	20.5
29	---	---	---	14.2	11.3	12.7	13.2	11.7	12.4	23.3	20.0	21.5
30	---	---	---	14.6	12.8	13.9	14.1	10.2	12.0	22.2	20.8	21.5
31	---	---	---	12.8	11.2	12.0	---	---	---	23.6	20.1	21.7
MONTH	8.9	0.4	5.5	14.6	3.2	8.7	23.4	10.2	16.2	25.1	11.3	19.6

06892360 KILL CREEK AT 95TH STREET NEAR DESOTO, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.1	18.7	20.3	25.9	23.0	24.3	29.0	24.8	26.7	24.6	23.2	23.9
2	21.2	18.9	20.1	26.6	23.4	24.9	28.9	25.6	27.1	24.3	22.7	23.4
3	20.8	18.7	19.7	26.5	24.1	25.3	29.8	26.3	27.9	24.9	22.8	23.9
4	21.7	18.4	19.9	25.0	23.2	24.3	30.1	26.8	28.2	25.5	23.6	24.6
5	22.3	20.0	21.2	25.4	23.2	24.4	27.7	25.0	26.1	25.6	23.6	24.6
6	22.8	20.1	21.5	25.9	23.2	24.5	28.0	24.0	25.8	25.3	23.4	24.4
7	24.1	21.4	22.7	27.2	23.7	25.4	28.9	24.3	26.3	25.8	23.9	24.8
8	25.2	22.6	23.8	27.8	24.7	26.2	29.9	25.0	27.1	25.6	24.2	24.9
9	24.1	22.2	22.8	28.4	25.4	26.8	29.6	25.5	27.4	26.0	23.7	24.8
10	23.4	21.8	22.6	28.8	25.8	27.2	29.9	25.9	27.8	26.0	23.7	24.7
11	22.9	21.0	21.9	28.7	26.2	27.4	---	26.5	---	25.9	23.6	24.6
12	23.4	22.0	22.7	28.4	26.4	27.4	---	---	---	25.6	24.1	24.7
13	22.8	21.1	22.0	28.5	26.0	27.3	26.3	---	---	24.4	23.6	24.0
14	23.0	20.7	22.0	28.7	26.0	27.4	24.2	22.3	23.0	23.6	22.1	22.8
15	23.4	20.6	22.1	---	26.4	---	23.0	22.2	22.6	22.1	19.0	20.1
16	24.2	21.5	22.9	29.5	26.1	27.7	24.2	22.3	23.2	19.6	17.8	18.8
17	25.2	22.6	23.8	30.3	26.6	28.3	25.8	23.2	24.4	19.7	17.9	18.9
18	24.9	21.6	23.4	29.4	26.7	27.9	28.1	24.9	26.4	22.3	19.6	20.7
19	25.0	21.9	23.6	27.7	25.9	26.5	28.4	25.4	27.0	23.9	22.0	23.0
20	25.7	22.9	24.3	30.1	25.4	27.3	26.1	23.3	24.2	24.3	22.8	23.5
21	26.3	23.7	24.9	30.7	27.0	28.7	24.5	23.7	24.2	24.6	22.5	23.7
22	27.5	24.2	25.8	30.9	27.8	29.3	25.2	23.7	24.4	25.0	23.1	24.0
23	27.7	24.8	26.3	32.1	28.2	29.9	24.6	23.0	23.7	24.2	20.4	21.8
24	28.5	25.4	26.9	31.8	28.2	29.8	23.2	22.3	22.8	23.3	21.8	22.5
25	29.1	26.2	27.7	31.9	28.3	29.8	23.0	22.5	22.8	24.0	22.4	23.2
26	29.3	26.5	28.0	29.6	25.8	27.9	24.4	22.2	23.1	23.5	21.8	22.8
27	29.6	26.6	28.1	25.9	23.9	24.9	25.2	23.0	24.1	21.8	20.0	20.9
28	28.5	26.1	27.0	---	22.7	---	25.3	23.5	24.5	20.8	18.5	19.8
29	28.0	25.2	26.5	27.0	---	---	24.9	23.0	24.0	18.5	16.2	17.1
30	27.0	24.0	25.5	27.9	23.5	25.4	24.9	22.7	23.9	17.2	15.5	16.4
31	---	---	---	28.5	24.2	26.0	24.9	22.6	23.8	---	---	---
MONTH	29.6	18.4	23.7	32.1	22.7	26.9	30.1	22.2	25.1	26.0	15.5	22.6
YEAR	32.1	0.0	14.8									

06892360 KILL CREEK AT 95TH STREET NEAR DESOTO, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.9	7.1	7.6	6.6	3.4	4.6	12.7	12.0	12.4	13.1	12.0	12.6
2	8.7	6.4	7.4	7.9	6.6	7.6	12.3	11.8	12.0	12.0	10.3	11.0
3	10.7	7.1	8.3	8.1	7.0	7.7	12.5	11.8	12.1	12.4	10.8	11.8
4	9.7	7.4	8.4	9.6	8.1	9.2	12.4	11.9	12.2	13.1	12.1	12.4
5	10.5	7.3	8.5	9.8	8.8	9.3	12.0	10.9	11.6	13.3	13.0	13.2
6	11.8	7.7	9.1	9.4	8.8	9.1	10.9	10.3	10.7	13.8	13.2	13.5
7	8.6	7.8	8.2	9.6	8.6	9.0	10.5	10.0	10.3	13.6	13.2	13.4
8	7.9	7.2	7.6	9.9	8.9	9.4	11.1	10.5	10.7	13.4	13.0	13.2
9	8.4	6.9	7.7	10.1	9.2	9.7	11.0	10.4	10.7	13.1	12.8	13.0
10	8.3	7.2	7.8	10.2	9.2	9.7	11.0	10.6	10.8	13.0	12.7	12.9
11	7.9	6.8	7.3	10.1	9.0	9.5	11.7	10.8	11.2	13.0	12.7	12.8
12	8.4	6.9	7.6	10.6	9.5	10.1	11.8	10.9	11.4	12.9	12.4	12.6
13	9.6	8.0	8.8	11.6	10.0	10.8	12.5	11.2	11.8	13.5	12.8	13.1
14	9.6	8.6	9.2	12.0	10.9	11.4	13.3	12.3	12.8	14.2	13.4	13.9
15	9.7	8.9	9.3	11.6	10.5	11.1	13.6	13.0	13.3	14.3	14.0	14.2
16	10.0	8.9	9.4	10.8	9.8	10.4	13.5	12.9	13.2	14.3	14.0	14.2
17	10.1	9.0	9.7	10.4	9.2	9.7	13.4	12.6	13.0	14.2	13.9	14.1
18	9.9	8.2	8.9	9.3	8.3	8.8	13.2	12.4	12.8	14.1	13.7	14.0
19	8.7	8.0	8.3	8.7	7.7	8.3	13.7	12.6	13.1	---	---	13.5
20	8.8	8.0	8.3	10.6	8.3	9.3	13.8	13.5	13.7	13.3	---	---
21	8.5	7.3	7.9	10.3	9.6	9.9	14.0	13.5	13.8	13.1	12.6	12.8
22	8.3	6.1	7.3	10.0	9.4	9.7	14.7	13.9	14.2	14.4	12.6	13.6
23	7.7	5.3	6.5	9.8	9.0	9.5	15.6	14.6	15.2	14.9	14.2	14.6
24	7.7	5.3	6.2	12.0	9.7	10.9	15.9	15.2	15.6	14.6	14.1	14.3
25	6.9	5.3	6.0	12.6	11.8	12.2	15.6	15.1	15.4	14.2	13.4	13.7
26	6.4	5.4	5.9	12.0	10.9	11.6	15.4	14.9	15.1	13.6	12.5	12.9
27	5.8	4.9	5.3	11.2	10.6	10.9	15.4	14.9	15.2	13.3	12.0	12.7
28	8.6	5.3	7.0	11.7	11.0	11.4	15.2	14.6	14.9	13.4	12.3	12.9
29	7.3	5.0	6.1	11.8	11.2	11.5	15.4	14.2	14.8	13.8	12.4	13.2
30	5.7	3.7	4.6	12.8	11.4	12.0	14.9	13.7	14.4	13.7	12.3	13.0
31	4.9	3.8	4.4	---	---	---	14.0	12.9	13.3	13.9	12.0	12.9
MONTH	11.8	3.7	7.6	12.8	3.4	9.8	15.9	10.0	13.0	14.9	10.3	13.2

06892360 KILL CREEK AT 95TH STREET NEAR DESOTO, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	14.6	12.2	13.4	17.4	13.8	15.6	13.3	11.0	12.3	---	---	---
2	14.8	12.6	13.6	17.7	14.3	16.0	13.4	11.4	12.4	12.2	---	---
3	15.7	13.2	14.3	17.2	14.0	15.8	13.0	10.9	11.9	13.8	7.5	10.8
4	15.8	13.3	14.5	16.9	13.1	15.1	11.8	9.7	10.9	17.0	7.3	11.6
5	15.8	12.8	14.2	16.2	12.4	14.4	10.9	6.6	9.1	16.5	8.3	11.7
6	14.7	11.4	12.5	15.4	12.6	14.0	10.8	6.9	9.0	13.4	7.1	10.7
7	12.4	11.3	12.0	14.2	10.7	12.4	9.8	7.1	8.2	11.9	6.0	9.8
8	13.6	12.4	13.0	13.5	11.0	12.2	11.3	6.8	9.0	9.3	4.5	6.8
9	15.2	13.6	14.3	15.3	12.0	13.6	10.7	8.8	9.6	7.4	4.3	6.2
10	15.7	13.8	14.6	15.1	12.9	13.9	10.0	7.6	8.9	8.2	4.6	6.3
11	15.6	13.6	14.5	14.1	12.1	13.3	9.5	6.9	8.3	6.5	3.8	5.3
12	14.0	12.3	13.2	13.7	11.7	12.7	8.7	6.8	7.6	7.6	3.2	5.2
13	12.6	11.7	12.0	12.8	11.3	12.2	10.5	6.8	8.6	8.3	5.2	7.1
14	12.1	11.3	11.8	12.8	11.7	12.3	11.7	9.0	10.2	8.4	7.7	8.2
15	12.0	11.0	11.5	12.5	11.4	11.9	12.1	9.1	10.5	8.7	7.1	8.0
16	13.1	11.3	12.1	12.5	11.5	11.9	11.5	8.6	10.3	8.5	7.6	8.0
17	13.7	11.7	12.6	12.2	11.3	11.7	10.7	8.0	9.6	8.8	6.9	7.8
18	14.5	11.9	13.0	12.6	10.8	11.6	9.8	6.7	8.2	7.7	6.4	7.0
19	12.9	12.0	12.5	13.1	11.4	12.1	9.2	5.9	7.6	8.9	6.3	7.4
20	13.9	11.7	12.5	13.2	11.6	12.4	8.0	5.6	6.4	8.5	6.1	7.3
21	13.6	10.7	12.2	12.2	10.8	11.5	7.8	4.6	5.9	8.8	6.1	7.4
22	15.6	11.7	13.5	11.5	10.6	11.0	7.5	4.7	6.0	---	---	---
23	14.6	11.9	13.2	13.5	11.3	12.4	9.6	6.0	7.7	9.0	---	---
24	16.2	12.0	13.9	13.4	12.0	12.4	11.1	7.2	8.9	8.0	4.6	6.3
25	16.5	12.6	14.4	12.6	11.8	12.2	9.7	7.4	8.4	9.4	5.1	7.1
26	16.7	12.6	14.6	14.0	12.1	13.0	11.1	7.0	9.0	9.2	5.5	7.4
27	15.3	12.2	13.6	15.2	13.3	14.2	13.7	8.3	10.6	8.1	5.3	6.7
28	16.2	11.7	13.8	15.0	12.9	13.9	10.9	8.7	9.9	9.9	4.8	7.3
29	---	---	---	13.6	11.5	12.6	11.2	7.6	9.7	9.0	5.3	7.5
30	---	---	---	11.8	10.0	10.8	---	---	---	9.0	5.8	7.4
31	---	---	---	12.9	9.5	11.3	---	---	---	10.1	5.6	7.9
MONTH	16.7	10.7	13.3	17.7	9.5	12.9	13.7	4.6	9.1	17.0	3.2	7.8

06892360 KILL CREEK AT 95TH STREET NEAR DESOTO, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.5	6.8	7.8	8.2	4.5	6.2	9.4	4.5	6.5	7.9	6.8	7.3
2	7.8	6.6	7.2	8.8	6.1	7.3	9.7	4.8	6.6	8.8	7.0	7.9
3	7.8	6.1	7.0	8.5	5.8	7.3	9.8	4.5	6.6	9.1	7.4	8.2
4	8.0	6.7	7.4	8.3	5.9	7.0	8.8	4.1	6.0	9.2	7.3	8.3
5	7.4	6.9	7.2	9.2	6.0	7.5	6.6	3.8	5.2	9.1	7.3	8.3
6	7.4	6.7	7.1	9.1	6.1	7.6	7.1	3.4	5.1	8.8	6.9	8.0
7	7.2	6.5	6.8	9.4	5.7	7.6	7.1	3.4	5.3	9.0	6.9	8.1
8	7.2	6.2	6.6	9.6	5.8	7.6	7.3	3.4	5.0	8.4	6.4	7.3
9	7.0	6.3	6.7	10.4	5.5	7.6	7.2	3.3	4.9	8.4	5.5	7.0
10	7.3	6.5	6.8	10.4	4.7	7.6	8.0	3.0	4.8	8.8	6.0	7.3
11	7.7	6.6	7.2	10.2	4.8	7.8	---	2.7	---	9.4	6.3	7.4
12	7.5	6.8	7.1	10.1	6.0	8.0	---	---	---	8.7	6.0	7.2
13	7.8	7.1	7.4	10.5	5.2	7.9	---	---	---	7.3	5.6	6.5
14	7.7	7.0	7.3	10.2	5.2	7.7	7.0	6.3	6.7	7.6	5.5	6.5
15	7.7	6.9	7.3	---	5.3	---	6.7	6.4	6.5	8.2	6.8	7.6
16	7.6	6.3	7.0	9.0	4.4	6.3	6.4	5.8	6.1	8.9	8.1	8.4
17	7.6	6.0	6.7	8.1	4.5	6.1	6.3	5.3	5.7	8.9	7.8	8.3
18	8.0	5.4	6.8	8.8	3.3	5.8	6.8	4.8	5.5	8.6	7.7	8.2
19	8.9	6.2	7.5	5.9	3.2	4.4	6.8	4.7	5.5	8.2	7.0	7.6
20	9.4	6.5	7.9	8.4	2.8	5.0	7.5	6.2	7.3	8.0	6.5	7.2
21	10.4	6.7	8.5	9.7	4.7	6.7	7.6	7.0	7.2	8.0	6.3	7.0
22	10.6	7.3	8.8	10.8	4.9	7.0	7.6	6.7	7.1	7.6	6.3	6.8
23	10.5	7.0	8.7	11.4	4.8	7.3	7.1	6.5	6.8	8.0	6.3	7.5
24	10.4	6.8	8.7	10.6	4.7	7.2	7.6	6.9	7.2	7.8	7.2	7.5
25	11.5	6.6	8.9	---	---	---	7.8	7.4	7.7	7.8	6.8	7.2
26	12.0	6.5	9.3	---	---	---	7.8	7.1	7.5	7.8	6.7	7.2
27	11.8	6.4	9.1	6.1	3.4	4.5	7.4	6.9	7.2	8.4	7.3	7.8
28	9.8	5.5	6.9	---	3.5	---	7.5	6.8	7.1	8.3	7.4	7.8
29	8.1	4.2	6.2	7.8	---	---	7.6	6.7	7.1	9.6	8.0	9.0
30	7.4	4.4	5.7	9.4	4.3	6.1	7.4	6.7	7.1	10.2	9.0	9.6
31	---	---	---	9.0	4.3	6.0	8.1	6.7	7.3	---	---	---
MONTH	12.0	4.2	7.5	11.4	2.8	6.8	9.8	2.7	6.4	10.2	5.5	7.7
YEAR	17.7	2.7	9.6									

06892360 KILL CREEK AT 95TH STREET NEAR DESOTO, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	14	5.5	8.7	42	7.8	15	9.6	5.6	7.5	8.1	4.0	6.2
2	16	8.0	13	46	19	28	9.2	3.9	5.3	9.7	6.3	7.7
3	16	5.7	9.5	28	15	18	4.2	2.7	3.5	630	7.3	230
4	16	5.8	11	230	17	99	5.2	2.0	2.8	300	42	100
5	20	10	16	67	35	50	390	<2.0	55	300	36	99
6	25	15	19	46	30	39	340	55	140	38	18	25
7	---	---	---	42	22	33	56	31	43	20	12	15
8	---	---	---	32	17	26	34	20	25	13	9.0	11
9	---	---	---	31	15	23	20	14	17	29	8.0	11
10	19	12	15	40	15	28	16	7.7	11	38	21	28
11	19	13	16	65	24	42	8.0	4.6	6.0	31	16	22
12	17	11	14	43	29	37	6.8	4.4	5.2	56	15	27
13	21	12	16	54	36	44	9.1	4.2	6.2	56	33	44
14	18	11	14	---	---	---	8.2	4.5	6.2	38	17	25
15	14	8.4	10	---	---	---	7.0	3.1	4.7	23	15	18
16	11	5.6	8.6	---	---	---	5.4	2.7	3.2	20	11	15
17	13	7.0	9.9	22	17	19	4.1	2.7	3.1	15	6.0	12
18	18	10	13	---	---	---	4.2	2.1	2.9	12	3.9	7.9
19	19	10	14	---	---	---	6.1	2.3	3.7	---	---	---
20	19	7.1	11	22	10	14	7.0	2.3	4.2	---	---	---
21	11	5.1	8.0	---	---	---	4.2	<2.0	2.7	---	---	---
22	12	5.8	8.4	---	---	---	6.1	<2.0	2.6	6.8	3.8	5.0
23	19	7.5	11	17	8.5	11	13	<2.0	7.6	6.2	3.6	4.2
24	13	4.3	8.9	58	7.3	21	10	3.1	6.2	5.0	3.1	3.8
25	15	4.7	8.6	83	38	49	8.4	4.0	5.7	---	---	---
26	27	8.2	12	110	38	64	8.7	4.2	5.7	5.8	<2.0	3.2
27	23	8.5	15	59	34	43	7.4	3.4	5.3	4.9	<2.0	2.9
28	37	9.5	25	51	23	36	8.2	3.3	5.5	4.2	<2.0	2.6
29	33	11	20	23	14	18	8.0	<2.0	3.0	4.1	<2.0	2.3
30	16	8.0	11	15	9.0	11	3.6	<2.0	1.3	6.5	2.7	4.2
31	16	5.6	10	---	---	---	6.8	2.3	4.8	7.1	2.5	4.7
MONTH	37	4.3	13	230	7.3	33	390	<2.0	13	630	<2.0	27

06892360 KILL CREEK AT 95TH STREET NEAR DESOTO, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU—CONTINUED

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	5.7	2.2	3.9	6.9	<2.0	2.6	14	4.2	7.6	11	4.7	6.7
2	7.0	3.5	5.0	3.5	<2.0	2.0	15	6.0	9.6	12	7.2	9.5
3	4.2	2.0	2.9	5.3	2.3	3.3	15	5.9	10	14	3.8	8.3
4	5.6	2.2	3.5	8.6	4.4	6.0	12	3.3	7.8	11	3.4	6.3
5	8.4	4.5	6.2	10	5.5	7.8	10	4.4	7.1	11	2.5	6.2
6	190	6.5	44	13	6.3	8.1	12	4.8	8.1	9.2	3.8	7.1
7	210	57	120	20	7.6	12	12	6.6	8.9	11	5.2	8.4
8	57	21	34	21	5.5	13	11	5.0	6.9	14	5.2	9.7
9	22	12	16	6.0	2.5	3.8	13	7.8	9.7	12	6.2	8.7
10	14	8.5	10	9.9	3.1	5.2	12	5.2	9.1	11	6.2	8.6
11	13	6.6	8.4	19	7.0	13	17	7.6	11	12	4.0	8.2
12	250	8.6	46	21	5.7	14	17	9.7	12	52	4.4	8.7
13	490	110	270	10	5.1	6.8	15	7.2	9.6	450	25	210
14	110	36	59	8.9	2.9	4.9	14	6.3	9.0	110	23	48
15	38	21	29	8.9	3.5	5.3	15	6.9	10	25	15	19
16	26	13	19	9.3	3.2	5.9	17	7.9	12	18	13	15
17	17	10	13	8.2	4.0	5.9	20	7.9	12	16	9.7	13
18	13	7.6	9.2	9.2	5.6	7.0	20	10	15	18	10	13
19	12	7.2	8.8	9.3	3.3	5.3	19	8.0	13	18	8.5	13
20	11	7.6	9.1	5.5	2.7	3.9	17	7.8	10	15	7.5	11
21	12	8.1	9.6	6.7	3.2	4.6	19	8.0	11	14	7.6	11
22	9.9	4.5	6.6	7.3	3.8	5.5	13	7.6	9.7	---	---	---
23	10	6.0	7.6	7.6	3.2	4.7	13	6.2	8.7	13	6.6	10
24	8.1	4.6	6.4	8.4	4.2	5.7	10	4.0	7.0	14	7.1	10
25	7.2	3.5	5.4	8.2	3.5	5.4	11	5.0	7.5	15	7.8	11
26	11	5.2	7.3	10	3.7	5.7	10	5.2	7.3	15	8.5	11
27	10	6.1	8.2	6.9	2.8	4.9	11	4.0	7.0	14	8.6	11
28	9.7	2.7	5.5	8.9	5.0	6.7	11	4.2	7.4	13	6.9	10
29	---	---	---	12	5.7	8.1	10	3.6	6.3	16	7.0	11
30	---	---	---	9.3	4.2	6.5	8.0	3.1	5.1	16	7.9	12
31	---	---	---	9.8	3.9	6.0	---	---	---	23	8.0	12
MONTH	490	2.0	28	21	<2.0	6.4	20	3.1	9.2	450	2.5	18

06892360 KILL CREEK AT 95TH STREET NEAR DESOTO, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU—CONTINUED

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	460	14	160	16	6.0	9.6	18	8.2	12	9.5	4.9	7.0
2	120	30	59	18	5.5	9.1	19	7.5	12	11	3.0	6.1
3	660	28	180	21	5.4	10	24	6.3	11	8.3	2.8	5.6
4	1,450	94	390	25	12	17	35	5.0	11	8.2	2.2	5.1
5	98	35	57	20	9.7	14	37	8.3	15	9.6	2.4	5.3
6	40	20	26	21	11	15	26	6.7	14	9.7	2.8	5.9
7	28	13	18	20	8.7	14	23	7.5	13	13	2.6	5.9
8	25	9.9	14	22	8.0	13	29	7.0	12	14	3.1	6.4
9	130	16	70	19	9.4	13	24	8.5	12	16	2.5	5.8
10	110	28	53	19	9.6	14	26	5.9	13	12	2.0	5.2
11	480	29	170	20	9.8	15	---	---	---	13	3.0	6.9
12	480	51	180	18	11	15	---	---	---	17	2.3	5.6
13	160	62	98	23	9.9	15	---	---	---	20	<2.0	6.9
14	63	25	39	24	10	16	400	61	230	14	3.2	6.5
15	34	15	22	26	10	15	140	54	80	38	3.3	23
16	23	13	15	25	9.6	17	71	40	55	36	16	26
17	18	9.2	13	23	7.6	13	66	31	44	37	17	28
18	14	7.5	10	19	7.2	12	53	21	36	26	18	20
19	16	5.8	8.9	21	7.5	12	83	24	37	27	13	18
20	13	5.5	8.1	21	7.1	12	990	61	310	21	10	15
21	14	4.4	7.8	21	6.6	11	61	24	39	24	7.3	12
22	12	4.2	7.5	22	5.3	10	28	15	21	20	6.4	11
23	12	4.3	7.2	17	4.1	8.3	22	11	16	900	7.4	250
24	9.6	4.7	7.0	17	3.8	7.8	89	12	18	99	20	41
25	11	4.3	7.4	12	4.5	7.7	970	58	220	23	10	17
26	11	5.2	7.9	17	5.1	11	970	40	190	15	8.8	12
27	15	5.5	9.5	21	8.1	15	57	18	32	12	8.4	10
28	12	5.8	8.8	---	---	---	20	11	16	13	6.4	9.4
29	10	4.5	7.4	---	---	---	17	7.9	12	11	6.1	7.5
30	15	4.9	10	16	7.5	11	12	6.3	9.4	13	4.6	6.6
31	---	---	---	18	7.9	12	12	4.4	7.8	---	---	---
MONTH	1,450	4.2	56	26	3.8	13	990	4.4	54	900	<2.0	20
YEAR	1,450	<2.0	24									

06892440 CEDAR CREEK AT HIGHWAY 56 AT OLATHE, KS

LOCATION.--Lat 38°51'33", long 94°51'14", in SE ¼ NE ¼ SE ¼ sec.4, T.14 S., R.23 E., Johnson County, Hydrologic Unit 10300101, on right upstream side of old Highway 56 bridge, 2 mi west of Olathe.

WATER-DISCHARGE RECORDS

DRAINAGE AREA.--13.3 mi^2.

PERIOD OF RECORD.--October 2000 to September 2005 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.

REMARKS.--Records fair except those for estimate daily discharges, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	36	8.9	1.6	9.9	2.8	e2.2	0.85	33	6.8	0.65	12
2	2.6	9.9	8.1	1.3	7.6	3.0	e2.1	0.60	5.4	2.4	0.64	9.6
3	2.6	42	6.5	122	5.7	3.3	e2.0	0.49	129	12	0.69	2.8
4	2.7	64	5.5	138	5.5	2.7	e1.9	0.51	749	36	0.67	2.3
5	2.4	9.7	90	120	5.1	2.5	e2.2	0.65	54	5.0	0.70	2.0
6	2.1	6.3	49	19	77	2.5	e2.6	0.72	18	2.3	0.14	6.8
7	29	4.3	17	12	84	7.6	2.0	1.0	13	1.6	0.02	10
8	17	3.4	12	9.3	18	4.1	2.1	2.2	29	1.1	0.00	10
9	5.3	2.5	9.6	17	13	4.0	3.0	1.2	73	0.89	0.00	10
10	3.4	17	8.3	24	12	2.3	2.0	1.1	12	0.86	0.00	9.6
11	7.5	27	7.2	18	18	3.2	21	0.83	250	0.71	0.00	9.0
12	16	6.9	6.4	47	55	3.6	7.0	1.4	141	0.56	0.26	5.1
13	13	4.6	5.2	30	214	3.0	3.2	131	218	0.62	45	0.70
14	5.3	2.6	4.3	10	37	2.5	1.9	14	31	e0.60	25	2.0
15	3.0	1.9	4.8	7.2	17	2.0	1.4	5.4	15	e0.55	3.0	23
16	2.4	2.0	4.2	5.7	12	1.3	0.95	3.8	10	e0.50	1.3	11
17	2.9	2.2	3.8	4.9	9.8	1.8	0.90	3.2	7.5	0.67	0.90	9.6
18	2.6	4.1	3.7	4.3	8.5	1.9	1.8	1.5	5.4	0.71	0.76	14
19	1.6	3.7	2.8	5.3	9.5	0.96	1.7	0.79	3.4	1.8	17	11
20	2.5	2.4	3.5	7.8	10	1.9	2.1	0.71	1.8	0.99	116	9.4
21	4.1	1.8	1.8	8.4	7.6	5.9	1.4	1.4	2.2	0.66	6.1	9.0
22	4.9	1.4	1.1	5.2	6.7	11	0.70	0.52	1.9	0.58	2.3	8.8
23	3.7	2.9	0.63	2.8	7.1	10	0.58	0.32	1.7	0.55	4.4	58
24	1.9	72	0.47	2.7	4.7	7.1	0.54	0.22	1.4	0.56	5.5	15
25	2.3	54	0.96	3.1	4.2	5.1	0.61	0.22	0.66	0.50	376	11
26	12	66	1.3	2.9	5.1	4.2	1.1	0.16	0.85	2.5	259	10
27	9.9	78	1.2	2.3	4.1	e3.4	0.94	0.12	0.71	1.6	30	9.7
28	6.6	17	1.3	2.2	5.1	e2.9	1.2	0.12	0.86	0.74	14	11
29	6.9	11	1.3	3.0	---	e2.5	1.4	0.09	0.94	0.62	9.8	9.8
30	4.3	11	1.8	3.3	---	e2.3	1.1	0.07	2.4	0.83	7.6	5.7
31	4.5	---	1.5	6.6	---	e2.3	---	0.20	---	0.79	9.3	---
MEAN	6.04	18.9	8.84	20.9	24.0	3.67	2.45	5.66	60.4	2.79	30.2	10.6
MAX	29	78	90	138	214	11	21	131	749	36	376	58
MIN	1.6	1.4	0.47	1.3	4.1	0.96	0.54	0.07	0.66	0.50	0.00	0.70
AC-FT	372	1,130	544	1,280	1,340	225	146	348	3,590	172	1,860	631

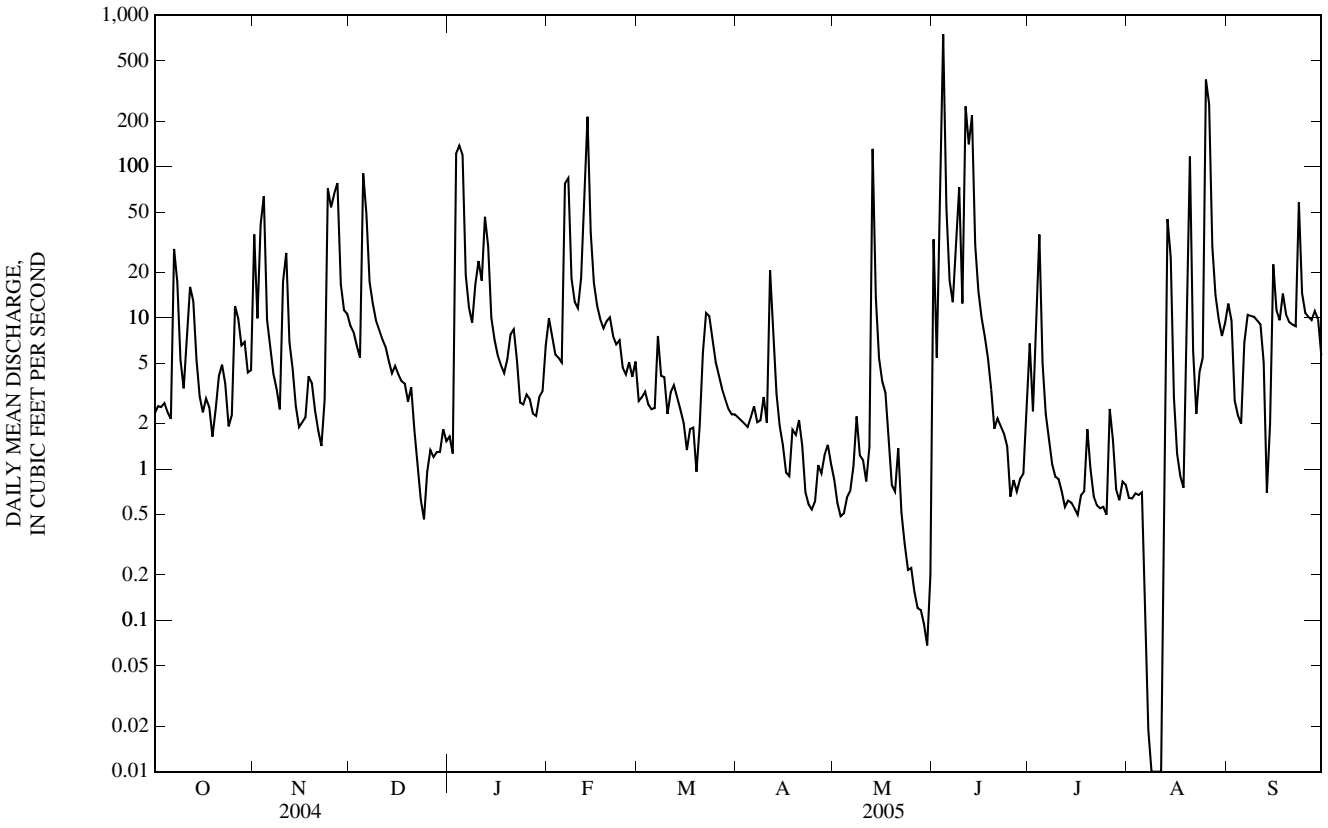
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2005, BY WATER YEAR (WY)

MEAN	4.32	5.79	3.88	6.05	12.8	10.5	7.50	15.8	27.4	6.07	17.0	10.9
MAX	7.59	18.9	9.05	20.9	25.8	29.7	13.8	29.8	60.4	18.8	30.2	33.5
(WY)	(2002)	(2005)	(2004)	(2005)	(2001)	(2004)	(2002)	(2002)	(2005)	(2004)	(2005)	(2001)
MIN	1.73	0.62	0.11	0.16	1.84	2.02	2.03	3.85	1.75	0.04	0.04	0.32
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)	(2003)	(2002)	(2002)	(2002)	(2002)

06892440 CEDAR CREEK AT HIGHWAY 56 AT OLATHE, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2001 - 2005	
ANNUAL MEAN	13.6		16.1		10.6	
HIGHEST ANNUAL MEAN					16.1	2005
LOWEST ANNUAL MEAN					3.95	2003
HIGHEST DAILY MEAN	570	Mar 4	749	Jun 4	749	Jun 4, 2005
LOWEST DAILY MEAN	0.01	Aug 22	0.00	Aug 8	0.00	Oct 1, 2000
ANNUAL SEVEN-DAY MINIMUM	0.05	Aug 16	0.06	Aug 6	0.00	Jul 14, 2002
MAXIMUM PEAK FLOW			2,210	Jun 4	2,210	Jun 4, 2005
MAXIMUM PEAK STAGE			66.67	Jun 4	66.67	Jun 4, 2005
INSTANTANEOUS LOW FLOW			0.00	Aug 7	0.00	Oct 1, 2000
ANNUAL RUNOFF (AC-FT)	9,850		11,630		7,700	
10 PERCENT EXCEEDS	20		29		17	
50 PERCENT EXCEEDS	2.8		3.4		1.9	
90 PERCENT EXCEEDS	0.42		0.65		0.09	

e Estimated



06892440 CEDAR CREEK AT HIGHWAY 56 AT OLATHE, KS—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 2000 to December 2004 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 2000 to December 2004.
pH: October 2000 to December 2004.
WATER TEMPERATURE: October 2000 to December 2004.
DISSOLVED OXYGEN: October 2000 to December 2004.
TURBIDITY (YSI 6026 sensor): October 2000 to December 2004.
TURBIDITY (YSI 6136 sensor): July 2004 to September 2004.

INSTRUMENTATION.--Multiparameter water-quality monitor.

REMARKS.--Records good. Interruptions in record are due to ice conditions, malfunction of the recording instrument or sensors, or during days of no streamflow. Instruments used to measure turbidity conform to ISO 7027 standards and were made using Yellow Springs International (YSI) 6026 and 6136 sensors.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 2,460 microsiemens/cm, Oct. 5, 2004; minimum, 99 microsiemens/cm, June 1, 2001.
pH: Maximum, 9.1 standard units, Jan. 5, 2004; minimum, 7.2 standard units, May 2, 2001.
WATER TEMPERATURE: Maximum, 33.3°C, July 22, 2001; minimum, 0.2°C, Dec. 12, 2003.
DISSOLVED OXYGEN: Maximum, 34.1 mg/L, Feb. 12, 2003; minimum, 0.2 mg/L, Nov. 3, 2003.
TURBIDITY (YSI 6026 sensor): Maximum, 2,200 FNU, Sept. 18, 2004; minimum, 2.0 FNU, Oct. 22, 2000.
TURBIDITY (YSI 6136 sensor): Maximum, >1,500 FNU, Nov. 3, 2004; minimum, 4.0 FNU, Nov. 22, 2000.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 2,460 microsiemens/cm, Oct. 5; minimum, 416 microsiemens/cm, Nov. 11.
pH: Maximum, 8.2 standard units, Dec. 19; minimum, 7.5 standard units, Oct. 14.
WATER TEMPERATURE: Maximum, 20.6°C, Oct. 29; minimum, 0.3°C, Dec. 20.
DISSOLVED OXYGEN: Maximum, 14.9 mg/L, Dec. 20; minimum, 1.7 mg/L, Oct. 9.
TURBIDITY (YSI 6026 sensor): Maximum, >1,500 FNU, Dec. 5; minimum, 2.0 FNU, Oct. 6.
TURBIDITY (YSI 6136 sensor): Maximum, >1,500 FNU, Nov. 3; minimum, 4.1 FNU, Nov. 22.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	2,270	1,960	2,180	---	---	---	868	756	794	---	---	---
2	2,310	2,260	2,290	---	---	---	840	820	829	---	---	---
3	2,380	2,300	2,340	---	---	---	850	838	844	---	---	---
4	2,440	2,350	2,400	---	---	---	878	850	865	---	---	---
5	2,460	2,260	2,400	---	---	---	886	458	741	---	---	---
6	2,440	2,390	2,420	---	---	---	674	499	581	---	---	---
7	2,420	593	1,680	---	---	---	775	652	700	---	---	---
8	841	609	687	---	---	---	900	761	800	---	---	---
9	954	733	877	---	---	---	1,090	900	960	---	---	---
10	1,190	870	1,040	870	520	791	1,020	967	991	---	---	---
11	1,220	1,020	1,190	613	416	513	1,100	1,020	1,060	---	---	---
12	1,150	671	773	681	577	620	1,150	1,080	1,110	---	---	---
13	751	665	701	738	681	719	1,250	1,150	1,210	---	---	---
14	---	---	---	799	707	753	1,330	1,250	1,290	---	---	---
15	---	---	---	907	799	865	1,360	1,290	1,330	---	---	---
16	935	897	911	916	907	913	1,360	1,280	1,320	---	---	---
17	1,320	901	1,050	911	893	902	1,380	1,350	1,360	---	---	---
18	1,240	940	1,040	913	803	892	1,360	1,340	1,360	---	---	---
19	940	899	905	803	712	741	1,490	1,360	1,410	---	---	---
20	916	900	903	837	780	812	1,540	1,210	1,360	---	---	---
21	992	910	943	862	837	849	1,600	1,250	1,470	---	---	---
22	1,020	977	1,000	897	862	876	---	1,600	---	---	---	---
23	1,010	915	958	941	739	928	---	---	---	---	---	---
24	916	913	915	739	432	532	---	---	---	---	---	---
25	921	914	917	625	430	537	---	---	---	---	---	---
26	---	---	---	551	425	489	---	---	---	---	---	---
27	---	---	---	656	495	536	---	---	---	---	---	---
28	---	---	---	677	556	624	---	---	---	---	---	---
29	---	---	---	863	677	771	---	---	---	---	---	---
30	---	---	---	938	773	844	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	2,460	593	1,330	941	416	738	1,600	458	1,070	---	---	---
YEAR	2,460	416	1,050									

06892440 CEDAR CREEK AT HIGHWAY 56 AT OLATHE, KS—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.9	7.7	7.8	7.9	7.7	7.8	8.0	7.9	8.0	---	---	---
2	7.8	7.6	7.8	7.8	7.8	7.8	8.0	7.9	8.0	---	---	---
3	7.8	7.6	7.7	8.0	7.8	7.8	8.0	7.9	8.0	---	---	---
4	8.0	7.6	7.7	7.9	7.7	7.8	8.0	7.8	7.9	---	---	---
5	8.0	7.6	7.8	7.9	7.7	7.9	7.9	7.8	7.9	---	---	---
6	8.0	7.7	7.8	7.8	7.7	7.7	7.9	7.7	7.8	---	---	---
7	8.1	7.8	7.9	7.9	7.7	7.8	8.0	7.8	7.8	---	---	---
8	7.8	7.6	7.7	7.9	7.7	7.8	8.0	8.0	8.0	---	---	---
9	7.8	7.5	7.6	8.0	7.8	7.9	8.0	7.9	8.0	---	---	---
10	7.8	7.5	7.6	8.1	7.9	8.0	8.0	8.0	8.0	---	---	---
11	7.8	7.5	7.6	8.0	7.9	8.0	8.1	8.0	8.0	---	---	---
12	7.8	7.6	7.8	8.0	7.9	8.0	8.1	8.0	8.0	---	---	---
13	7.9	7.7	7.8	8.0	7.9	8.0	8.1	8.0	8.1	---	---	---
14	---	---	---	8.0	7.9	8.0	8.1	8.0	8.0	---	---	---
15	---	---	---	8.0	7.9	7.9	8.1	8.0	8.1	---	---	---
16	8.0	7.8	7.9	8.0	7.9	7.9	8.1	8.1	8.1	---	---	---
17	8.0	7.7	7.8	8.0	7.8	7.9	8.1	8.0	8.1	---	---	---
18	7.8	7.7	7.8	7.9	7.8	7.8	8.1	8.0	8.1	---	---	---
19	8.0	7.8	7.8	8.0	7.8	7.9	8.2	8.1	8.1	---	---	---
20	7.9	7.7	7.8	8.0	7.9	7.9	8.2	8.1	8.1	---	---	---
21	7.8	7.7	7.7	8.0	7.9	7.9	8.2	8.1	8.1	---	---	---
22	7.7	7.6	7.7	8.0	7.9	7.9	---	---	---	---	---	---
23	7.9	7.6	7.7	8.0	7.9	7.9	---	---	---	---	---	---
24	7.9	7.8	7.8	8.1	7.9	8.0	---	---	---	---	---	---
25	7.9	7.8	7.8	8.1	8.0	8.0	---	---	---	---	---	---
26	7.9	7.6	7.8	8.1	8.0	8.0	---	---	---	---	---	---
27	7.8	7.6	7.7	8.0	7.9	7.9	---	---	---	---	---	---
28	7.6	7.5	7.6	7.9	7.9	7.9	---	---	---	---	---	---
29	7.6	7.5	7.5	7.9	7.9	7.9	---	---	---	---	---	---
30	7.7	7.6	7.7	8.0	7.9	8.0	---	---	---	---	---	---
31	7.8	7.7	7.7	---	---	---	---	---	---	---	---	---
MAX	8.1	7.8	7.9	8.1	8.0	8.0	8.2	8.1	8.1	---	---	---
MIN	7.6	7.5	7.5	7.8	7.7	7.7	7.9	7.7	7.8	---	---	---

YEAR				
	MAX	MAXIMUM 8.2	MINIMUM 7.6	
	MIN	MAXIMUM 8.1	MINIMUM 7.5	
	MEDIAN	MAXIMUM 8.1	MINIMUM 7.5	

06892440 CEDAR CREEK AT HIGHWAY 56 AT OLATHE, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.0	16.9	17.6	15.8	14.5	15.2	4.5	2.6	3.7	---	---	---
2	16.9	13.5	15.0	14.9	12.8	13.7	4.6	2.9	3.9	---	---	---
3	15.8	12.5	14.3	12.8	10.8	11.8	4.3	2.5	3.6	---	---	---
4	15.8	13.8	14.9	12.2	10.2	11.2	5.6	3.1	4.2	---	---	---
5	14.9	12.5	14.0	11.4	8.6	10.1	5.3	3.7	4.5	---	---	---
6	15.9	13.1	14.6	12.6	9.9	11.3	7.3	5.2	6.4	---	---	---
7	17.7	15.1	16.2	12.6	10.2	11.3	7.3	5.4	6.7	---	---	---
8	19.1	17.1	17.9	11.6	9.5	10.4	7.1	4.8	5.9	---	---	---
9	18.9	17.0	17.9	12.2	9.2	10.2	7.1	5.4	6.4	---	---	---
10	17.7	16.0	16.8	12.5	9.3	10.8	6.6	5.3	5.8	---	---	---
11	16.6	14.0	15.4	11.7	9.6	10.7	5.9	4.7	5.2	---	---	---
12	14.7	14.0	14.3	9.6	8.1	8.8	6.1	4.6	5.3	---	---	---
13	15.1	13.2	14.2	8.4	6.6	7.5	5.1	2.0	3.4	---	---	---
14	---	---	---	8.6	6.7	7.6	2.0	0.8	1.4	---	---	---
15	---	---	---	9.5	7.9	8.8	1.9	0.5	1.2	---	---	---
16	12.4	10.0	11.3	12.0	9.4	10.7	3.4	1.3	2.1	---	---	---
17	13.1	10.3	11.7	14.5	11.9	13.0	3.8	1.8	2.6	---	---	---
18	14.0	12.6	13.2	13.6	13.1	13.3	4.9	2.6	3.5	---	---	---
19	14.0	13.3	13.6	13.3	12.3	12.9	3.1	0.7	1.8	---	---	---
20	13.6	13.2	13.4	12.7	11.0	12.0	1.9	0.3	1.0	---	---	---
21	14.4	13.2	13.6	11.0	8.9	9.6	2.1	1.2	1.6	---	---	---
22	16.8	14.4	15.6	9.3	8.5	8.9	1.7	---	---	---	---	---
23	17.3	15.5	16.6	9.5	7.8	9.2	---	---	---	---	---	---
24	15.6	13.3	14.6	7.8	4.5	5.6	---	---	---	---	---	---
25	15.4	13.6	14.6	6.1	3.9	4.9	---	---	---	---	---	---
26	17.2	15.3	16.1	7.7	5.2	6.3	---	---	---	---	---	---
27	17.3	16.4	16.8	8.2	6.3	7.3	---	---	---	---	---	---
28	18.9	17.1	17.9	6.3	5.7	5.9	---	---	---	---	---	---
29	20.6	18.5	19.3	6.1	5.2	5.9	---	---	---	---	---	---
30	19.2	15.2	16.6	5.2	3.8	4.6	---	---	---	---	---	---
31	15.2	13.2	14.4	---	---	---	---	---	---	---	---	---
MONTH	20.6	10.0	15.3	15.8	3.8	9.7	7.3	0.3	3.8	---	---	---
YEAR	20.6	0.3	10.2									

06892440 CEDAR CREEK AT HIGHWAY 56 AT OLATHE, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	10.6	6.5	8.4	---	---	---	13.4	11.8	12.5	---	---	---
2	10.8	5.8	8.0	---	---	---	13.4	11.8	12.5	---	---	---
3	11.9	5.7	8.6	---	---	---	13.6	12.0	12.6	---	---	---
4	12.0	5.9	9.4	---	---	---	13.4	11.7	12.4	---	---	---
5	11.9	5.9	9.0	---	---	---	12.5	11.4	11.9	---	---	---
6	13.8	5.9	10.3	---	---	---	12.1	10.8	11.5	---	---	---
7	13.1	7.1	8.9	---	---	---	11.5	10.6	10.9	---	---	---
8	7.8	4.0	6.0	---	---	---	11.6	10.4	11.0	---	---	---
9	7.8	1.7	4.9	---	---	---	11.4	10.3	10.7	---	---	---
10	9.6	3.0	6.0	10.9	8.2	9.3	11.4	10.3	10.8	---	---	---
11	8.6	3.8	5.9	9.7	8.9	9.4	12.2	10.9	11.3	---	---	---
12	8.2	6.2	7.2	10.8	8.9	9.8	12.2	10.8	11.4	---	---	---
13	9.2	6.2	7.8	11.6	9.4	10.4	12.9	11.1	12.0	---	---	---
14	---	---	---	12.1	9.8	10.7	13.9	12.2	13.0	---	---	---
15	---	---	---	11.2	9.0	10	14.1	12.8	13.3	---	---	---
16	7.2	5.8	6.4	12.9	8.1	9.9	13.5	12.4	12.9	---	---	---
17	9.4	4.9	6.6	13.2	7.7	9.5	13.7	12.2	12.8	---	---	---
18	8.5	5.5	6.8	9.0	7.0	7.8	13.5	11.6	12.4	---	---	---
19	7.7	5.4	6.8	10.3	7.2	8.5	14.5	12.0	13.1	---	---	---
20	6.5	4.2	5.4	12.6	7.6	9.5	14.9	13.0	13.9	---	---	---
21	4.8	3.8	4.2	11.6	8.1	9.7	14.4	12.4	13.3	---	---	---
22	3.9	2.8	3.2	12.3	8.3	10.1	---	---	---	---	---	---
23	6.5	2.7	4.5	11.4	8.3	9.7	---	---	---	---	---	---
24	6.8	6.0	6.4	12.4	10.5	11.8	---	---	---	---	---	---
25	7.0	5.3	6.2	12.9	11.8	12.3	---	---	---	---	---	---
26	---	---	---	12.2	10.8	11.8	---	---	---	---	---	---
27	---	---	---	11.6	10.8	11.3	---	---	---	---	---	---
28	---	---	---	11.9	11.2	11.5	---	---	---	---	---	---
29	---	---	---	11.8	11.1	11.4	---	---	---	---	---	---
30	---	---	---	12.7	11.3	12.0	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	13.8	1.7	6.8	13.2	7.0	10.3	14.9	10.3	12.2	---	---	---
YEAR	14.9	1.7	9.7									

06892440 CEDAR CREEK AT HIGHWAY 56 AT OLATHE, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	20	6.0	11	---	---	---	210	28	59	---	---	---
2	13	6.0	8.5	---	---	---	170	22	35	---	---	---
3	16	5.0	11	---	---	---	26	19	22	---	---	---
4	8.0	3.0	5.7	---	---	---	24	16	20	---	---	---
5	10	3.0	6.6	---	---	---	>1,500	14	>240	---	---	---
6	10	2.0	5.7	---	---	---	180	61	93	---	---	---
7	1,120	4.0	170	---	---	---	---	53	---	---	---	---
8	180	31	79	---	---	---	71	47	57	---	---	---
9	140	14	46	---	---	---	73	38	48	---	---	---
10	53	9.0	21	1,180	13	130	54	31	38	---	---	---
11	220	9.0	38	340	48	120	40	26	31	---	---	---
12	190	22	70	53	27	36	29	22	25	---	---	---
13	120	30	55	31	17	24	28	18	22	---	---	---
14	37	16	30	29	13	18	28	16	21	---	---	---
15	43	20	30	18	13	15	26	15	19	---	---	---
16	31	18	26	18	12	14	23	13	17	---	---	---
17	26	14	22	22	11	14	19	12	15	---	---	---
18	23	14	18	19	13	15	19	13	15	---	---	---
19	22	14	18	26	15	21	18	11	13	---	---	---
20	19	13	15	21	12	16	19	10	14	---	---	---
21	20	8.5	15	15	9.0	12	18	10	14	---	---	---
22	18	10	14	11	7.0	8.7	14	---	---	---	---	---
23	20	13	16	300	7.0	14	---	---	---	---	---	---
24	22	11	17	>1,500	75	>250	---	---	---	---	---	---
25	20	10	14	260	44	96	---	---	---	---	---	---
26	240	12	60	480	53	92	---	---	---	---	---	---
27	---	---	---	390	54	130	---	---	---	---	---	---
28	---	---	---	61	35	45	---	---	---	---	---	---
29	---	---	---	210	31	54	---	---	---	---	---	---
30	---	---	---	180	31	64	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	1,120	2.0	32	1,500	7.0	57	1,500	10	41	---	---	---
YEAR	1,500	2.0	42									

> Actual value is known to be greater than the value shown

06892440 CEDAR CREEK AT HIGHWAY 56 AT OLATHE, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	250	15	93	120	21	39	---	---	---
2	---	---	---	56	29	40	110	18	27	---	---	---
3	---	---	---	>1,500	20	>180	---	---	---	---	---	---
4	---	---	---	310	42	110	---	---	---	---	---	---
5	---	---	---	48	26	35	---	---	---	---	---	---
6	---	---	---	50	19	28	---	---	---	---	---	---
7	---	---	---	37	15	21	---	---	---	---	---	---
8	---	---	---	21	13	17	---	---	---	---	---	---
9	---	---	---	24	7.9	15	---	---	---	---	---	---
10	---	---	---	440	7.9	72	---	---	---	---	---	---
11	---	---	---	190	39	74	---	---	---	---	---	---
12	---	---	---	41	21	29	---	---	---	---	---	---
13	---	---	---	22	14	18	---	---	---	---	---	---
14	---	---	---	21	11	14	---	---	---	---	---	---
15	30	15	21	12	9.8	11	---	---	---	---	---	---
16	23	13	18	12	6.2	8.0	---	---	---	---	---	---
17	20	12	16	14	6.6	8.8	---	---	---	---	---	---
18	26	11	14	12	8.1	9.6	---	---	---	---	---	---
19	---	---	---	17	11	14	---	---	---	---	---	---
20	---	---	---	14	7.8	10	---	---	---	---	---	---
21	15	6.5	11	9.2	5.8	7.1	---	---	---	---	---	---
22	13	7.3	9.6	8.8	4.1	5.5	---	---	---	---	---	---
23	16	9.3	12	180	4.5	8.5	---	---	---	---	---	---
24	18	8.0	12	920	49	140	---	---	---	---	---	---
25	15	7.5	10	150	31	61	---	---	---	---	---	---
26	160	8.2	41	230	38	57	---	---	---	---	---	---
27	36	14	23	220	39	84	---	---	---	---	---	---
28	20	12	16	47	30	36	---	---	---	---	---	---
29	19	13	15	130	24	42	---	---	---	---	---	---
30	23	13	18	120	24	44	---	---	---	---	---	---
31	21	13	17	---	---	---	---	---	---	---	---	---
MONTH	160	6.5	17	1,500	4.1	43	120	18	33	---	---	---
YEAR	1,500	4.1	34									

> Actual value is known to be greater than the value shown

06892450 OLATHE LAKE NEAR OLATHE, KS

LOCATION.--Lat 38°52'54", long 94°52'31", in SE ¼ NE ¼ NE ¼ sec.32, T.13 S., R.23 E., Johnson County, Hydrologic Unit 10300101, on intake structure of Olathe Lake on Cedar Creek, 2 mi west of Olathe, and at mile 13.0.

WATER-DISCHARGE RECORDS

DRAINAGE AREA.--16.97 mi^2.

PERIOD OF RECORD.--October 2000 to September 2005 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929.

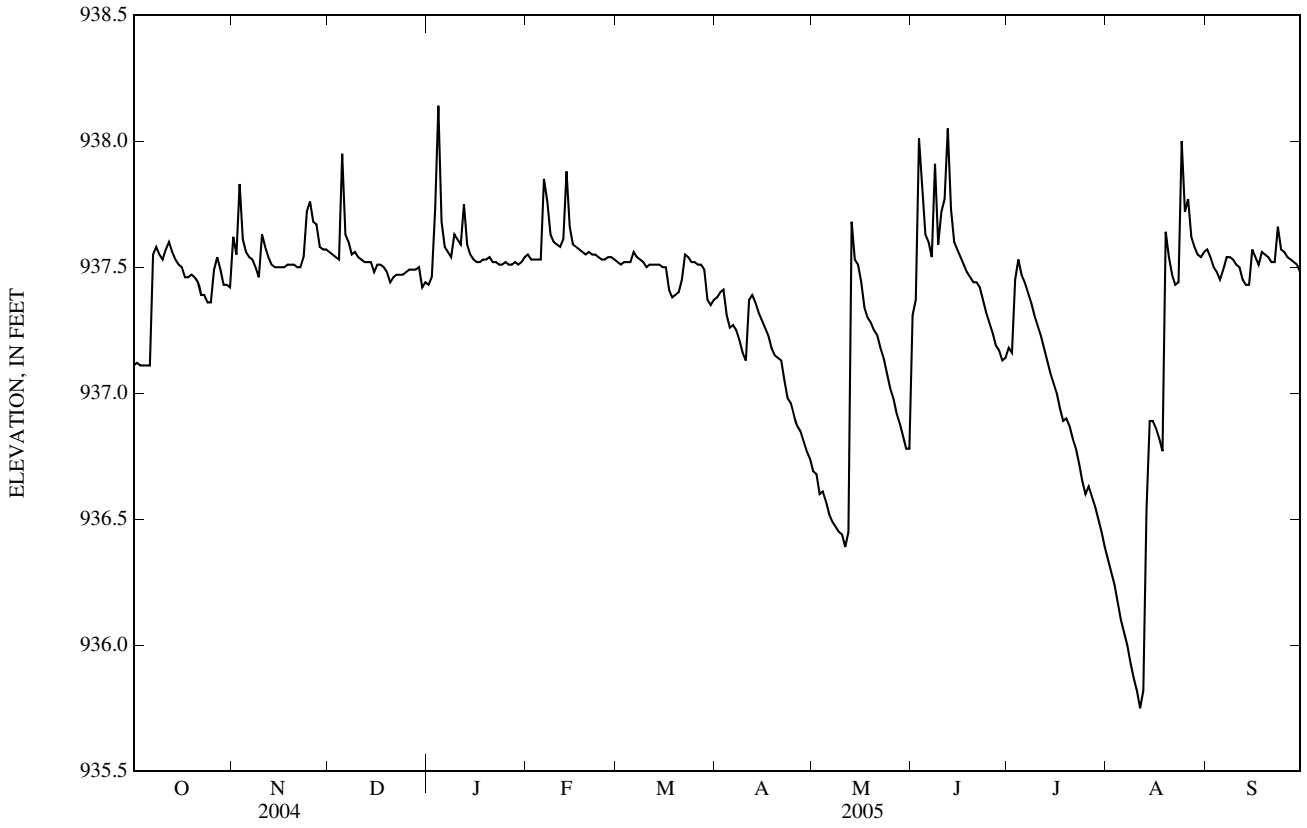
REMARKS.--Reservoir is compacted earthfill dam and concrete control structure. Filling began January 1956. Reservoir is used for water supply. Satellite telemeter at station.

EXTREMES FOR PERIODS OF RECORD.--Maximum elevation, 939.81 ft, June 4, 2005, contents 3,310 acre-ft; minimum elevation, 928.94 ft, Oct. 2, 2002, contents 1,830 acre-ft.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 939.81 ft, June 4, contents, 3,310 acre-ft; minimum elevation, 935.73 ft, Aug. 12, contents, 2,710 acre-ft.

Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on field survey by U.S. Geological Survey)
(Effective date Oct. 1, 2002.)

Elevation	Contents	Elevation	Contents	Elevation	Contents
934	2,470	938	3,050	940	3,330



06892450 OLATHE LAKE NEAR OLATHE, KS—Continued

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	937.11	937.62	e937.56	937.43	937.55	937.52	937.38	936.69	937.31	937.18	936.34	937.57
2	937.12	937.55	e937.55	937.46	937.53	937.51	937.40	936.68	937.37	937.16	936.29	937.54
3	937.11	937.83	e937.54	937.73	937.53	937.52	937.41	936.60	938.01	937.45	936.24	937.50
4	937.11	937.61	937.53	938.14	937.53	937.52	937.31	936.61	937.80	937.53	936.17	937.48
5	937.11	937.56	937.95	937.68	937.53	937.52	937.26	e936.57	937.63	937.47	936.10	937.45
6	937.11	937.54	937.63	937.58	e937.85	937.56	937.27	936.52	937.60	937.44	936.05	937.49
7	937.55	937.53	937.60	937.56	e937.76	937.54	937.25	936.49	937.54	937.40	936.00	937.54
8	937.58	937.50	937.55	937.54	e937.63	937.53	937.21	936.47	937.91	937.36	935.93	937.54
9	937.55	937.46	937.56	937.63	e937.60	937.52	937.16	936.45	937.59	937.31	935.87	937.53
10	937.53	937.63	937.54	937.61	e937.59	937.50	937.13	936.44	937.72	937.27	935.82	937.51
11	937.57	937.58	937.53	937.59	e937.58	937.51	937.37	936.39	937.77	937.23	935.75	937.50
12	937.60	937.54	937.52	937.75	e937.61	937.51	937.39	936.45	938.05	937.18	935.82	937.45
13	937.56	937.51	937.52	937.59	e937.88	937.51	937.36	937.68	937.73	937.13	936.54	937.43
14	937.53	937.50	937.52	937.55	e937.66	937.51	937.32	937.53	937.60	937.08	936.89	937.43
15	937.51	937.50	937.48	937.53	e937.59	937.50	937.29	e937.51	937.57	937.04	936.89	937.57
16	937.50	937.50	937.51	937.52	937.58	937.50	937.26	937.44	937.54	937.00	936.86	937.54
17	937.46	937.50	937.51	937.52	937.57	937.41	937.23	937.34	937.51	936.94	936.82	937.51
18	937.46	937.51	937.50	937.53	937.56	937.38	937.18	937.30	937.48	936.89	936.77	937.56
19	937.47	937.51	937.48	937.53	937.55	937.39	937.15	937.28	937.46	936.90	937.64	937.55
20	937.46	937.51	937.44	937.54	937.56	937.40	937.14	937.25	937.44	936.87	937.54	937.54
21	937.44	937.50	937.46	937.52	937.55	937.45	937.13	937.23	937.44	936.82	937.47	937.52
22	937.39	937.50	937.47	937.52	937.55	937.55	937.05	937.18	937.42	936.78	937.43	937.52
23	937.39	937.54	937.47	937.51	937.54	937.54	936.98	937.14	937.37	936.72	937.44	937.66
24	937.36	937.72	937.47	937.51	937.53	937.52	936.96	937.08	937.32	936.65	938.00	937.57
25	937.36	937.76	937.48	937.52	937.53	937.52	936.91	937.02	937.28	936.60	937.72	937.56
26	937.49	937.68	937.49	937.51	937.54	937.51	936.87	936.98	937.24	936.63	937.77	937.54
27	937.54	937.67	937.49	937.51	937.54	937.51	936.85	936.92	937.19	936.59	937.62	937.53
28	937.49	937.58	937.49	937.52	937.53	937.49	936.81	936.88	937.17	936.55	937.58	937.52
29	937.43	937.57	937.50	937.51	---	937.37	936.77	936.83	937.13	936.50	937.55	937.51
30	937.43	937.57	937.42	937.52	---	937.35	936.74	936.78	937.14	936.45	937.54	937.48
31	937.42	---	937.44	937.54	---	937.37	---	936.78	---	936.39	937.56	---
MEAN	937.41	937.57	937.52	937.57	937.59	937.49	937.15	936.92	937.51	936.98	936.84	937.52
MAX	937.60	937.83	937.95	938.14	937.88	937.56	937.41	937.68	938.05	937.53	938.00	937.66
MIN	937.11	937.46	937.42	937.43	937.53	937.35	936.74	936.39	937.13	936.39	935.75	937.43
(+)	2,960	2,980	2,970	2,980	2,980	2,950	2,860	2,870	2,920	2,810	2,980	2,970
(#)	+40	+20	-10	+10	0	-30	-90	+10	+50	-110	+170	-10

CAL YR 2004 ..... (#) 0
WTR YR 2005 ..... (#) +50

+ CONTENTS, IN ACRE-FEET, AT END OF MONTH.
# CHANGE IN CONTENTS, IN ACRE-FEET.

e Estimated

06892450 OLATHE LAKE NEAR OLATHE, KS—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 2000 to September 2005 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 2000 to May 2005. Data collected at 10 ft below water surface.
SPECIFIC CONDUCTANCE: June 2005 to May 2005. Data collected at 5 ft below water surface.
pH: October 2000 to May 2005. Data collected at 10 ft below water surface.
pH: June 2005 to September 2005. Data collected at 5 ft below water surface.
WATER TEMPERATURE: October 2005 to May 2005. Data collected at 10 ft below water surface.
WATER TEMPERATURE: June 2005 to September 2005. Data collected at 5 ft below water surface.
DISSOLVED OXYGEN: October 2000 to May 2005. Data collected at 10 ft below water surface.
DISSOLVED OXYGEN: June 2005 to September 2005. Data collected at 5 ft below water surface.
TURBIDITY (YSI 6026 sensor): October 2000 to May 2005. Data collected at 10 ft below water surface.
TURBIDITY (YSI 6136 sensor): June 2005 to September 2005. Data collected at 5 ft below water surface.

INSTRUMENTATION.--Multiparameter water-quality monitor.

REMARKS.--Records fair. Interruptions in record are due to ice conditions or malfunction of the recording instrument or sensors. Instruments used to measure turbidity conform to ISO 7027 standards and were made using Yellow Springs International (YSI) 6026 and 6136 sensor.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 758 microsiemens/cm, Mar. 4, 2004; minimum, 295 microsiemens/cm, Aug. 28, 2004.
pH: Maximum, 9.3 standard units, Sept. 4, 2004; minimum, 6.9 standard units, June 14, 2002.
WATER TEMPERATURE: Maximum, 33.7°C, Aug. 5, 2001; minimum, 1.1°C, Jan. 16, 2005.
DISSOLVED OXYGEN: Maximum, 19.7 mg/L, May 24, 2005; minimum, 0.2 mg/L, July 20, 2002.
TURBIDITY (YSI 6026 sensor): Maximum, 400 FNU, May 19, 2004; minimum, 2.0 FNU, Oct. 29, 2000.
TURBIDITY (YSI 6136 sensor): Maximum, 69 FNU, Aug. 26, 2005; minimum, <2.0 FNU, July 8, 2005.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 745 microsiemens/cm, Apr. 14; minimum, 451 microsiemens/cm, Oct. 1.
pH: Maximum, 9.2 standard units, Sept. 9; minimum, 7.4 standard units, Feb. 16.
WATER TEMPERATURE: Maximum, 31.1°C, Aug. 10; minimum, 1.1°C, Jan. 16.
DISSOLVED OXYGEN: Maximum, 19.7 mg/L, May 24; minimum, 2.0 mg/L, Aug. 29.
TURBIDITY (YSI 6026 sensor): Maximum, 53 FTU, Jan. 7; minimum, 3.2 FNU, Nov. 19.
TURBIDITY (YSI 6136 sensor): Maximum, 65 FNU, Aug. 26; minimum, <2.0 FNU, July 8.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	457	451	453	525	521	522	534	---	---	588	586	587
2	464	457	461	528	524	526	---	---	---	588	586	587
3	461	457	459	529	526	527	542	539	540	588	582	586
4	463	457	461	529	526	527	543	539	541	587	582	585
5	463	459	460	527	523	525	544	542	543	584	572	577
6	465	460	462	---	---	---	544	543	544	576	564	574
7	464	460	462	---	---	---	554	543	547	564	557	560
8	466	461	464	---	515	---	546	543	545	566	562	564
9	467	464	466	519	514	517	546	545	546	566	564	565
10	466	460	463	520	517	518	550	545	548	570	565	566
11	478	464	469	522	519	520	551	549	550	573	568	571
12	513	476	490	523	520	522	556	550	552	576	570	572
13	495	488	491	523	521	522	557	555	556	585	576	580
14	507	493	499	524	518	522	559	557	558	592	585	589
15	512	499	504	524	519	521	562	559	560	595	590	592
16	517	502	509	522	518	520	565	561	563	607	594	602
17	507	504	506	521	517	519	565	564	564	605	600	603
18	509	506	507	521	516	518	568	564	566	605	602	603
19	511	507	508	519	516	517	571	568	569	603	602	602
20	511	509	510	520	512	517	575	570	573	604	602	603
21	511	510	510	519	514	517	577	573	575	605	603	604
22	512	510	511	521	514	519	580	576	578	607	604	605
23	513	511	512	523	520	520	582	578	580	607	604	606
24	514	512	513	527	518	522	590	580	585	609	606	608
25	516	513	513	521	519	520	590	585	587	611	608	610
26	515	510	512	523	520	521	588	585	587	613	610	611
27	515	509	513	523	519	521	586	585	586	613	610	611
28	515	508	512	520	516	518	587	585	586	615	612	613
29	521	514	516	522	518	521	587	585	586	614	612	613
30	522	520	521	---	---	---	588	577	585	614	613	614
31	522	520	522	---	---	---	588	585	587	617	614	615
MONTH	522	451	492	529	512	521	590	539	565	617	557	593

06892450 OLATHE LAKE NEAR OLATHE, KS—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	619	615	616	709	704	706	731	728	729	740	737	738
2	617	616	617	708	707	707	733	725	729	739	737	738
3	619	616	618	709	707	708	732	725	729	739	736	738
4	621	617	618	714	708	710	730	729	729	739	734	737
5	630	618	622	713	707	710	731	729	730	---	---	---
6	629	620	624	713	709	710	734	729	732	---	---	---
7	---	---	---	714	710	712	735	730	732	---	---	---
8	---	---	---	713	712	712	731	728	730	---	---	---
9	---	---	---	715	711	713	731	729	730	---	---	---
10	---	---	---	715	714	715	732	729	731	---	---	---
11	---	---	---	717	715	716	731	727	729	---	---	---
12	---	---	---	720	715	717	735	730	733	---	---	---
13	---	---	---	719	716	718	736	733	734	---	---	---
14	---	---	---	719	717	718	745	729	735	---	---	---
15	---	---	---	719	716	718	738	726	733	---	---	---
16	---	---	---	720	714	717	741	717	731	---	---	---
17	680	674	675	719	714	717	736	714	725	---	---	---
18	677	673	675	721	718	720	725	712	718	---	---	---
19	682	676	679	722	720	721	727	719	723	---	---	---
20	687	681	684	723	719	721	730	726	727	---	---	---
21	690	685	687	723	721	722	735	726	729	---	---	---
22	694	689	691	722	721	722	741	728	735	---	---	---
23	693	691	692	724	721	722	737	735	735	---	---	---
24	697	692	694	724	722	723	737	735	736	---	---	---
25	697	694	695	727	724	725	736	734	735	---	---	---
26	701	696	698	729	726	727	738	735	736	---	---	---
27	701	698	700	732	726	729	738	735	736	---	---	---
28	706	700	703	729	724	727	737	735	736	---	---	---
29	---	---	---	729	727	728	738	736	738	---	---	---
30	---	---	---	729	728	729	741	737	739	---	---	---
31	---	---	---	730	726	729	---	---	---	---	---	---
MONTH	706	615	666	732	704	718	745	712	731	740	734	738
YEAR	745	451	614									

06892450 OLATHE LAKE NEAR OLATHE, KS—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	660	643	654	447	438	443	480	477	479	412	397	404
2	654	638	649	443	439	440	479	477	478	408	398	404
3	645	633	638	446	443	444	478	475	477	419	405	410
4	646	367	508	448	445	447	488	475	481	418	410	413
5	490	410	471	447	443	445	485	481	482	420	410	414
6	489	432	---	452	443	446	485	481	483	426	412	419
7	436	432	434	452	445	448	486	480	482	425	416	421
8	437	429	432	451	448	449	483	474	479	425	405	414
9	437	430	433	453	450	451	481	468	474	419	405	412
10	442	433	437	456	452	453	484	467	477	423	414	418
11	441	437	439	458	452	454	481	466	469	425	422	423
12	442	424	434	460	449	454	475	468	471	429	424	425
13	426	418	422	456	451	454	475	470	473	428	425	426
14	418	407	413	456	448	454	483	474	480	434	426	430
15	419	413	415	457	450	454	484	480	483	434	429	431
16	426	417	420	455	443	448	487	479	483	429	426	428
17	426	419	424	457	444	447	483	478	480	431	426	429
18	434	419	424	460	446	452	484	476	480	432	430	431
19	436	425	429	458	451	453	480	473	478	433	429	432
20	441	420	432	---	---	---	476	472	475	433	429	431
21	446	438	442	---	---	---	476	457	472	433	424	427
22	450	396	428	---	---	---	---	---	---	435	424	429
23	444	394	408	---	---	---	---	---	---	440	423	428
24	413	402	409	---	---	---	470	467	468	431	425	428
25	436	413	420	---	---	---	467	459	463	434	428	432
26	436	412	424	470	420	451	460	404	429	445	432	439
27	434	413	421	475	470	472	438	404	419	435	431	433
28	438	418	432	477	472	475	425	397	412	447	431	439
29	436	432	434	476	473	475	418	405	412	448	443	446
30	443	436	440	484	475	477	411	404	408	452	445	449
31	---	---	---	485	477	480	408	397	403	---	---	---
MONTH	660	367	454	485	420	455	488	397	464	452	397	426
YEAR	732	367	488									

06892450 OLATHE LAKE NEAR OLATHE, KS—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	8.5	8.0	8.3	7.9	7.7	7.9	8.0	7.9	8.0	8.0	8.0	8.0
2	8.1	7.8	8.0	7.8	7.8	7.8	---	---	---	8.0	8.0	8.0
3	8.5	7.8	8.2	7.8	7.8	7.8	8.0	7.9	7.9	8.0	8.0	8.0
4	8.3	7.8	7.9	7.9	7.8	7.8	8.0	7.9	8.0	8.0	8.0	8.0
5	8.4	7.9	8.1	8.0	7.8	7.8	8.0	8.0	8.0	8.0	8.0	8.0
6	8.4	7.9	8.2	8.2	7.8	7.9	8.0	8.0	8.0	8.0	8.0	8.0
7	8.2	7.9	8.1	7.9	7.8	7.8	8.0	7.9	8.0	8.0	7.9	8.0
8	8.1	7.8	7.9	8.2	7.9	8.1	8.0	8.0	8.0	7.9	7.8	7.8
9	8.4	7.8	8.0	8.1	7.9	8.0	8.0	8.0	8.0	7.9	7.8	7.8
10	8.8	8.0	8.5	8.1	7.9	8.0	8.0	7.9	8.0	7.8	7.8	7.8
11	8.5	7.9	8.1	8.1	7.9	8.0	7.9	7.9	7.9	7.8	7.8	7.8
12	7.9	7.6	7.8	8.2	8.0	8.0	7.9	7.9	7.9	7.8	7.8	7.8
13	7.9	7.8	7.8	8.1	8.0	8.1	7.9	7.9	7.9	7.8	7.8	7.8
14	7.9	7.7	7.8	8.2	8.0	8.1	7.9	7.9	7.9	7.8	7.8	7.8
15	7.8	7.7	7.8	8.1	7.9	8.0	8.0	7.9	7.9	7.8	7.8	7.8
16	7.8	7.6	7.7	8.1	8.0	8.0	8.0	8.0	8.0	7.8	7.8	7.8
17	8.1	7.7	7.8	8.2	7.8	8.0	8.0	7.9	8.0	7.8	7.8	7.8
18	8.0	7.7	7.8	8.3	7.8	8.1	8.0	7.9	8.0	7.8	7.8	7.8
19	7.8	7.7	7.7	8.1	7.8	8.0	8.0	8.0	8.0	7.8	7.8	7.8
20	7.8	7.7	7.7	8.0	7.8	7.9	8.0	8.0	8.0	7.8	7.7	7.8
21	7.8	7.7	7.7	7.9	7.8	7.9	8.0	8.0	8.0	7.8	7.7	7.7
22	7.8	7.7	7.7	8.0	7.8	7.8	8.0	8.0	8.0	7.8	7.6	7.8
23	7.8	7.7	7.8	7.9	7.8	7.8	8.1	8.0	8.0	7.6	7.6	7.6
24	7.9	7.7	7.8	7.9	7.8	7.9	8.1	8.0	8.1	7.6	7.6	7.6
25	7.8	7.6	7.7	8.1	7.9	8.0	8.0	8.0	8.0	7.6	7.6	7.6
26	8.1	7.7	8.0	8.1	8.0	8.0	8.0	8.0	8.0	7.6	7.6	7.6
27	8.4	7.6	7.7	8.1	7.9	8.1	8.0	8.0	8.0	7.6	7.6	7.6
28	8.5	8.1	8.3	8.1	8.0	8.0	8.0	8.0	8.0	7.6	7.6	7.6
29	8.3	7.8	8.2	8.0	8.0	8.0	8.0	7.9	7.9	7.6	7.6	7.6
30	8.0	7.7	7.8	---	---	---	8.0	7.9	8.0	7.6	7.6	7.6
31	8.1	7.8	7.9	---	---	---	8.0	8.0	8.0	7.6	7.6	7.6
MAX	8.8	8.1	8.5	8.3	8.0	8.1	8.1	8.0	8.1	8.0	8.0	8.0
MIN	7.8	7.6	7.7	7.8	7.7	7.8	7.9	7.9	7.9	7.6	7.6	7.6

06892450 OLATHE LAKE NEAR OLATHE, KS—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.6	7.6	7.6	7.6	7.6	7.6	8.2	8.1	8.2	8.1	7.8	8.0
2	7.6	7.6	7.6	7.6	7.6	7.6	8.4	8.1	8.2	8.1	8.0	8.0
3	7.6	7.5	7.6	7.7	7.6	7.6	8.4	8.2	8.3	8.2	8.0	8.1
4	7.6	7.6	7.6	7.7	7.6	7.6	8.4	8.3	8.4	8.4	8.2	8.3
5	7.6	7.5	7.6	7.7	7.6	7.6	8.3	8.2	8.3	---	---	---
6	7.6	7.6	7.5	7.8	7.7	7.7	8.3	8.1	8.2	---	---	---
7	---	---	---	7.7	7.7	7.7	8.2	8.1	8.2	---	---	---
8	---	---	---	7.8	7.7	7.7	8.4	8.2	8.3	---	---	---
9	---	---	---	7.7	7.7	7.7	8.4	8.2	8.3	---	---	---
10	---	---	---	7.8	7.7	7.7	8.3	8.2	8.3	---	---	---
11	---	---	---	7.8	7.7	7.7	8.4	8.2	8.3	---	---	---
12	---	---	---	7.8	7.8	7.8	8.3	8.1	8.2	---	---	---
13	---	---	---	7.8	7.7	7.8	8.2	8.1	8.1	---	---	---
14	---	---	---	8.0	7.8	7.8	8.3	8.1	8.2	---	---	---
15	---	---	---	8.2	7.8	8.1	8.5	8.1	8.2	---	---	---
16	---	---	---	8.3	8.0	8.1	8.4	8.0	8.2	---	---	---
17	7.6	7.5	7.5	8.3	8.2	8.2	8.4	8.0	8.2	---	---	---
18	7.6	7.5	7.6	8.2	8.1	8.2	8.3	8.1	8.2	---	---	---
19	7.6	7.6	7.6	8.1	8.0	8.1	8.2	8.1	8.2	---	---	---
20	7.6	7.6	7.6	8.3	8.1	8.2	8.2	8.1	8.2	---	---	---
21	7.6	7.6	7.6	8.2	8.1	8.2	8.3	7.9	8.2	---	---	---
22	7.6	7.5	7.6	8.1	8.1	8.1	8.1	7.7	8.0	---	---	---
23	7.6	7.6	7.6	8.1	8.1	8.1	8.0	7.9	8.0	---	---	---
24	7.6	7.6	7.6	8.1	8.1	8.1	8.1	7.9	8.0	---	---	---
25	7.6	7.6	7.6	8.1	8.0	8.1	8.1	8.0	8.1	---	---	---
26	7.6	7.6	7.6	8.1	8.0	8.0	8.0	7.8	8.0	---	---	---
27	7.6	7.6	7.6	8.1	8.0	8.0	8.1	7.9	8.0	---	---	---
28	7.6	7.5	7.6	8.3	8.0	8.2	8.2	8.0	8.1	---	---	---
29	---	---	---	8.3	8.2	8.2	8.0	7.9	8.0	---	---	---
30	---	---	---	8.2	8.2	8.2	8.0	7.8	7.9	---	---	---
31	---	---	---	8.2	8.0	8.1	---	---	---	---	---	---
MAX	7.6	7.6	7.6	8.3	8.2	8.2	8.5	8.3	8.4	8.4	8.2	8.3
MIN	7.6	7.5	7.5	7.6	7.6	7.6	8.0	7.7	7.9	8.1	7.8	8.0

YEAR			
	MAX	MAXIMUM 8.8	MINIMUM 7.6
	MIN	MAXIMUM 8.3	MINIMUM 7.5
	MEDIAN	MAXIMUM 8.5	MINIMUM 7.5

06892450 OLATHE LAKE NEAR OLATHE, KS—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.0	8.4	8.7	8.5	8.0	8.1	8.6	8.4	8.6	8.9	7.8	8.1
2	8.9	8.5	8.8	8.8	8.4	8.6	8.7	8.5	8.6	9.0	8.0	8.2
3	8.7	8.1	8.5	8.7	8.4	8.6	8.7	8.4	8.6	9.0	8.0	8.6
4	8.1	7.5	7.7	8.6	8.3	8.4	8.6	8.0	8.4	9.0	8.4	8.9
5	7.7	7.5	7.5	8.9	8.5	8.6	8.4	8.2	8.3	9.1	8.7	8.9
6	7.9	7.5	7.7	9.0	8.6	8.8	8.5	8.0	8.2	8.8	8.3	8.6
7	8.1	7.8	8.0	8.9	8.6	8.8	8.7	8.3	8.5	8.8	8.3	8.5
8	8.3	7.8	8.0	8.9	8.7	8.8	8.7	8.4	8.5	9.0	8.2	8.7
9	8.3	7.8	8.0	8.8	8.7	8.8	8.7	8.2	8.5	9.2	8.7	8.8
10	8.5	7.9	8.2	8.8	8.6	8.8	8.8	8.1	8.2	9.0	8.7	8.8
11	8.3	7.8	8.1	8.8	8.6	8.7	8.7	8.3	8.6	8.9	8.6	8.7
12	8.3	7.7	8.0	8.8	8.4	8.7	8.6	8.2	8.4	8.8	8.5	8.7
13	8.0	7.7	7.8	8.7	8.6	8.6	8.3	8.0	8.1	8.6	8.4	8.5
14	7.8	7.6	7.7	8.8	8.5	8.6	8.2	7.8	8.0	8.8	7.9	8.4
15	7.8	7.7	7.8	8.7	8.5	8.6	8.2	7.9	8.0	8.3	8.1	8.2
16	8.4	7.8	7.9	8.7	8.3	8.5	8.6	7.9	8.1	8.6	8.0	8.0
17	8.7	7.7	8.0	8.6	8.2	8.5	8.7	8.0	8.6	8.6	8.3	8.5
18	9.1	7.7	8.8	8.5	8.3	8.3	8.8	8.4	8.6	8.6	8.3	8.4
19	9.0	8.5	8.9	8.5	8.1	8.3	8.7	8.4	8.6	8.9	8.4	8.5
20	9.0	8.2	8.6	---	---	---	8.7	8.3	8.5	8.8	8.4	8.6
21	8.4	8.0	8.2	---	---	---	8.7	8.4	8.5	9.1	8.4	9.0
22	9.1	7.8	8.2	---	---	---	---	---	---	9.0	8.6	8.8
23	9.0	7.9	8.9	---	---	---	8.6	8.2	---	9.0	8.5	8.7
24	9.0	8.8	8.9	---	---	---	8.5	8.1	8.2	9.0	8.6	8.9
25	9.1	8.7	8.8	---	---	---	8.4	8.0	8.2	8.9	8.6	8.8
26	9.0	8.7	8.8	---	---	---	8.1	7.7	7.8	8.8	7.8	8.3
27	9.0	8.7	8.8	8.0	7.8	7.9	8.3	7.7	7.7	8.9	8.4	8.8
28	8.8	8.6	8.6	8.5	7.9	8.1	9.0	7.6	7.7	8.9	8.0	8.6
29	8.7	8.4	8.6	8.6	8.2	8.4	8.8	7.6	7.7	8.8	7.9	8.0
30	8.6	8.2	8.4	8.7	7.7	8.5	8.9	8.0	8.5	8.6	8.2	8.3
31	---	---	---	8.6	7.7	8.5	8.9	7.7	8.2	---	---	---
MAX	9.1	8.8	8.9	9.0	8.7	8.8	9.0	8.5	8.6	9.2	8.7	9.0
MIN	7.7	7.5	7.5	8.0	7.7	7.9	8.1	7.6	7.7	8.3	7.8	8.0

YEAR			
	MAX	MAXIMUM 9.2	MINIMUM 7.7
	MIN	MAXIMUM 8.8	MINIMUM 7.5
	MEDIAN	MAXIMUM 9.0	MINIMUM 7.5

06892450 OLATHE LAKE NEAR OLATHE, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	21.9	21.1	21.5	16.6	16.4	16.5	---	7.6	---	4.7	4.2	4.4
2	21.1	20.5	20.7	16.4	15.9	16.1	---	---	---	4.7	4.5	4.6
3	20.8	20.2	20.5	15.9	15.4	15.7	7.3	7.2	---	4.6	4.5	4.6
4	20.7	19.9	20.1	15.5	14.8	15.1	7.3	7.0	7.2	4.6	4.3	4.4
5	20.1	19.5	19.8	14.8	14.5	14.6	7.2	7.0	7.1	4.4	3.8	4.0
6	19.9	19.3	19.6	15.0	14.3	14.5	7.3	7.0	7.1	3.8	2.7	3.4
7	19.5	19.2	19.3	14.4	14.1	14.3	7.2	6.6	6.9	2.8	2.3	2.5
8	19.3	19.2	19.2	14.4	13.9	14.1	6.9	6.8	6.8	2.9	2.4	2.6
9	19.7	19.0	19.2	14.0	13.8	13.9	7.0	6.7	6.8	2.6	2.3	2.4
10	19.6	19.1	19.3	13.9	13.6	13.7	6.8	6.6	6.7	2.6	2.4	2.5
11	19.1	18.6	18.8	13.7	13.1	13.4	6.6	6.4	6.5	2.6	2.4	2.5
12	18.6	18.1	18.4	13.1	12.6	12.9	6.5	6.2	6.4	2.5	2.3	2.3
13	18.1	17.7	17.9	12.6	12.1	12.4	6.2	5.8	6.0	2.3	2.0	2.2
14	17.7	17.1	17.4	12.2	12.0	12.1	5.8	5.3	5.5	2.2	1.3	1.8
15	17.1	16.7	16.9	12.0	11.8	11.9	5.3	4.9	5.0	1.8	1.5	1.6
16	16.7	16.3	16.5	12.2	11.8	12.0	5.0	4.7	4.8	1.6	1.1	1.3
17	16.6	16.1	16.3	12.9	12.2	12.4	4.8	4.6	4.7	1.6	1.4	1.5
18	16.3	16.1	16.2	12.8	12.4	12.7	4.9	4.7	4.8	1.9	1.6	1.7
19	16.2	16.0	16.1	12.7	12.3	12.6	4.8	4.2	4.5	2.1	1.9	2.0
20	16.0	15.8	15.9	12.5	12.2	12.3	4.3	4.0	4.1	2.3	2.1	2.2
21	15.9	15.7	15.8	12.2	11.8	12.0	4.1	3.8	3.9	2.3	2.3	2.3
22	16.4	15.8	16.1	11.8	11.7	11.7	3.8	3.0	3.4	2.5	2.3	2.4
23	16.3	16.1	16.2	11.7	11.5	11.6	3.1	2.5	2.8	2.6	2.5	2.5
24	16.5	16.0	16.2	11.5	10.5	11.0	2.8	2.0	2.4	2.7	2.6	2.6
25	16.4	16.1	16.2	10.5	10.2	10.3	2.6	2.1	2.4	2.8	2.6	2.7
26	16.8	16.3	16.6	10.2	10.0	10.1	2.8	2.5	2.6	2.8	2.7	2.8
27	17.1	16.2	16.4	10.0	9.3	9.6	2.9	2.8	2.8	3.0	2.8	2.9
28	17.6	17.0	17.3	9.3	8.8	9.0	3.0	2.9	2.9	3.0	2.9	2.9
29	17.9	17.4	17.6	8.8	8.4	8.6	3.2	3.0	3.1	3.0	2.9	3.0
30	17.4	16.7	16.9	---	---	---	3.8	2.9	3.4	3.0	2.9	3.0
31	16.8	16.5	16.6	---	---	---	4.4	3.8	4.0	3.1	3.0	3.0
MONTH	21.9	15.7	17.8	16.6	8.4	12.7	7.3	2.0	4.8	4.7	1.1	2.7

06892450 OLATHE LAKE NEAR OLATHE, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3.3	3.0	3.1	6.2	5.8	6.0	10.1	9.6	9.8	14.7	14.2	14.5
2	3.3	3.2	3.2	6.3	5.6	5.9	11.1	9.9	10	14.6	14.4	14.5
3	3.6	3.3	3.4	7.2	6.1	6.5	13.2	10.0	11.4	14.9	14.3	14.5
4	3.9	3.5	3.7	6.8	6.1	6.5	13.3	12.0	12.6	16.6	14.7	15.3
5	3.9	3.4	3.7	7.3	6.3	6.6	13.0	12.3	12.8	---	14.9	---
6	3.9	3.6	3.8	7.9	7.0	7.5	12.8	12.2	12.4	---	---	---
7	---	---	---	7.8	7.4	7.7	12.9	12.3	12.6	---	---	---
8	---	---	---	7.6	7.4	7.5	14.7	12.7	13.6	---	---	---
9	---	---	---	7.7	7.2	7.3	14.4	13.7	14.2	---	---	---
10	---	---	---	7.6	7.2	7.4	14.8	14.1	14.4	---	---	---
11	---	---	---	7.6	7.3	7.5	15.9	14.5	15.1	---	---	---
12	---	---	---	8.0	7.5	7.6	15.5	14.5	14.9	---	---	---
13	---	---	---	7.9	7.5	7.6	14.7	14.4	14.5	---	---	---
14	---	---	---	7.9	7.5	7.6	16.6	14.4	14.8	---	---	---
15	---	---	---	8.8	7.6	8.1	17.2	14.5	15.6	---	---	---
16	---	---	---	9.5	8.0	8.7	17.5	14.8	15.9	---	---	---
17	5.4	5.0	5.1	9.4	8.5	8.9	18.3	14.8	16.7	---	---	---
18	6.2	5.2	5.6	8.9	8.5	8.6	17.9	16.9	17.6	---	---	---
19	5.8	5.4	5.5	8.6	8.3	8.4	17.8	17.3	17.5	---	---	---
20	5.7	5.5	5.6	9.2	8.2	8.7	18.3	17.6	17.9	---	---	---
21	6.0	5.7	5.9	8.8	8.6	8.7	19.7	17.3	18.4	---	---	---
22	6.3	5.8	5.9	8.6	8.3	8.4	18.4	16.5	17.5	---	---	---
23	6.2	5.8	6.0	8.4	8.1	8.2	17.1	16.3	16.6	---	---	---
24	6.1	5.9	6.0	8.2	8.1	8.1	16.6	16.0	16.2	---	---	---
25	6.3	5.9	6.1	8.1	8.0	8.1	16.4	16.0	16.2	---	---	---
26	6.9	6.1	6.5	8.1	7.9	8.0	16.0	15.5	15.7	---	---	---
27	6.8	6.6	6.7	8.1	7.8	7.8	15.6	15.3	15.5	---	---	---
28	6.6	6.2	6.3	9.7	7.8	8.7	15.6	15.3	15.5	---	---	---
29	---	---	---	9.7	9.0	9.4	15.3	14.8	15.1	---	---	---
30	---	---	---	9.8	9.4	9.7	14.8	14.3	14.6	---	---	---
31	---	---	---	9.9	9.6	9.7	---	---	---	---	---	---
MONTH	6.9	3.0	5.1	9.9	5.6	7.9	19.7	9.6	14.9	16.6	14.2	14.7
YEAR	21.9	1.1	9.8									

06892450 OLATHE LAKE NEAR OLATHE, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.9	23.1	23.5	27.4	26.5	26.8	29.4	28.0	28.6	26.4	25.1	25.6
2	24.7	22.9	23.9	28.9	26.8	27.7	29.6	28.4	28.9	26.7	25.3	25.7
3	24.4	22.3	23.2	27.8	26.8	27.3	29.8	28.5	29.1	27.9	25.5	26.3
4	---	---	---	26.8	26.3	26.5	29.6	28.2	28.8	27.3	26.4	26.9
5	---	---	---	28.0	26.2	26.9	28.7	27.8	28.1	27.3	26.1	26.7
6	---	---	---	28.2	26.5	27.4	28.9	27.4	27.8	26.7	25.7	26.1
7	25.1	23.6	24.4	28.6	27.2	27.8	29.3	27.7	28.6	26.7	25.8	26.1
8	25.9	24.0	24.9	29.0	27.6	28.2	31.0	28.3	29.2	27.1	26.0	26.5
9	25.1	24.2	24.5	29.6	27.9	28.6	30.8	29.0	29.7	27.4	26.1	26.6
10	25.2	24.0	24.6	30.0	28.3	29.1	31.1	28.8	29.6	26.9	26.1	26.5
11	24.6	23.7	24.2	29.5	28.7	28.9	30.6	29.1	30.1	26.7	25.8	26.3
12	25.4	23.2	24.3	29.2	28.4	28.8	30.1	28.7	29.4	26.4	25.8	26.1
13	24.5	22.9	23.7	29.4	28.6	28.9	28.7	27.8	28.3	25.8	25.4	25.5
14	23.7	22.2	22.8	29.7	28.8	29.1	27.8	26.7	27.2	25.4	24.6	24.9
15	24.5	23.0	23.6	29.9	29.2	29.4	26.7	26.0	26.2	24.6	23.4	23.9
16	27.4	24.4	25.3	29.9	29.4	---	27.3	25.8	26.3	23.7	23.1	23.3
17	27.2	24.4	25.6	---	---	---	27.5	25.9	26.7	23.7	23.0	23.3
18	28.0	24.6	26.6	---	29.2	---	28.5	26.6	27.4	23.9	22.9	23.4
19	28.4	25.7	26.8	29.7	28.8	29.1	28.2	27.1	27.7	24.3	23.5	23.7
20	27.0	25.4	26.1	---	28.3	---	27.1	26.8	27.0	24.4	23.8	24.2
21	26.0	25.3	25.7	---	---	---	27.2	26.6	26.8	26.4	24.1	25.5
22	29.3	25.8	26.9	---	---	---	---	---	---	26.1	24.7	25.2
23	29.6	26.4	28.5	---	---	---	---	---	---	25.2	24.2	24.7
24	29.3	27.8	28.5	---	---	---	---	---	---	25.4	24.3	24.8
25	29.7	27.8	28.8	---	---	---	---	---	---	24.9	24.5	24.6
26	30.0	28.4	29.2	---	28.7	---	---	---	---	24.6	23.9	24.2
27	30.0	28.6	29.3	28.7	27.7	28.1	25.4	23.8	24.2	25.0	23.8	24.3
28	29.5	28.2	28.6	28.3	27.2	27.5	25.2	23.7	24.2	24.3	22.8	23.6
29	28.9	27.7	28.3	30.1	27.5	28.3	25.8	23.9	24.8	23.3	22.4	22.7
30	28.2	27.1	27.7	29.3	28.0	---	25.8	24.8	25.3	22.5	21.9	22.1
31	---	---	---	---	---	---	26.7	24.5	25.5	---	---	---
MONTH	30.0	22.2	25.9	30.1	26.2	28.1	31.1	23.7	27.5	27.9	21.9	25.0
YEAR	31.1	18.9	25.7									

06892450 OLATHE LAKE NEAR OLATHE, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.4	6.4	7.4	8.1	6.8	7.6	---	---	---	11.4	11.0	11.2
2	6.6	5.0	5.8	7.8	7.0	7.4	---	---	---	11.4	11.1	11.1
3	8.8	5.0	7.5	8.0	7.4	7.6	---	---	---	11.3	11.0	11.1
4	8.3	5.6	6.5	8.6	7.5	7.9	10.5	10.0	10.1	11.3	11.0	11.1
5	8.8	6.3	7.5	8.6	7.8	8.1	10.5	9.9	10.0	11.4	11.1	11.2
6	8.8	6.2	7.7	9.6	8.1	8.6	10.4	9.8	9.9	11.5	11.1	11.2
7	8.1	6.3	7.2	8.6	7.8	8.1	10.4	9.8	9.9	11.5	11.0	11.3
8	7.5	5.5	6.5	10.1	8.3	9.0	10.3	9.8	9.9	11.4	11.1	11.2
9	7.8	5.2	6.3	9.6	8.7	9.0	10.3	9.8	9.9	11.5	11.1	11.2
10	10.0	6.5	8.6	9.3	8.5	8.9	10.4	9.9	10.0	11.4	11.0	11.2
11	8.3	6.5	7.3	9.0	8.5	8.7	10.4	9.9	10.0	11.3	11.1	11.2
12	6.7	5.1	6.0	9.4	8.5	8.8	10.5	9.9	10.1	11.3	11.0	11.2
13	7.2	6.2	6.5	9.2	8.6	8.8	10.7	10.1	10.3	11.5	11.1	11.3
14	7.1	6.2	6.7	9.4	8.6	8.9	10.8	10.3	10.4	11.8	11.4	11.6
15	6.9	5.8	6.5	9.2	8.5	8.8	10.9	10.4	10.5	11.8	11.4	11.6
16	6.9	5.5	6.3	9.4	8.6	8.9	10.8	10.4	10.5	12.1	11.5	11.8
17	8.6	6.3	7.5	10.1	8.7	9.2	11.1	10.4	10.7	12.2	11.7	11.9
18	8.2	6.6	7.5	10.1	8.7	9.5	11.3	10.8	10.9	11.9	11.5	11.7
19	7.7	6.4	6.9	9.7	8.2	8.9	11.3	10.9	11.0	11.8	11.4	11.5
20	7.6	6.5	6.9	9.5	8.1	8.5	11.5	11.0	11.1	11.7	11.3	11.4
21	7.5	7.0	7.3	8.9	8.2	8.4	11.4	11.0	11.1	11.6	11.2	11.4
22	8.0	7.3	7.5	8.6	8.0	8.2	11.4	11.0	11.1	11.8	11.3	11.5
23	8.0	6.9	7.4	8.3	7.9	8.0	11.4	10.8	11.1	11.5	11.2	11.3
24	8.5	7.3	7.8	8.6	8.0	8.3	11.8	11.1	11.4	11.5	11.2	11.3
25	8.3	6.7	7.7	9.2	8.2	8.8	11.7	11.2	11.4	11.5	11.2	11.3
26	9.7	7.6	8.9	9.6	8.9	9.1	11.5	11.2	11.3	11.5	11.2	11.3
27	11.0	7.0	8.0	9.6	8.8	9.2	11.5	11.1	11.2	11.5	11.1	11.3
28	11.4	9.7	10.3	9.5	9.1	9.3	11.5	11.0	11.2	11.5	10.7	11.2
29	10.0	7.8	9.1	9.6	9.2	9.3	11.3	10.8	11.0	11.6	10.8	11.2
30	8.2	7.1	7.6	---	---	---	11.5	10.8	11.1	11.4	10.7	11.1
31	8.5	7.5	7.9	---	---	---	11.4	11.0	11.2	---	---	---
MONTH	11.4	5.0	7.4	10.1	6.8	8.6	11.8	9.8	10.7	12.2	10.7	11.3

06892450 OLATHE LAKE NEAR OLATHE, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	11.5	11.2	11.3	12.4	11.5	12.0	9.3	7.7	8.9
2	---	---	---	11.8	11.2	11.4	14.7	11.9	12.3	9.8	8.8	9.2
3	---	---	---	12.1	11.5	11.8	14.1	12.0	13.4	11.0	9.4	9.7
4	---	---	---	11.9	11.2	11.6	13.3	12.2	12.8	12.3	10.6	11.4
5	---	---	---	12.5	11.5	11.8	12.2	11.5	11.8	---	---	---
6	---	---	---	12.8	12.2	12.5	11.5	10.4	11.0	---	---	---
7	---	---	---	12.4	12.0	12.2	11.4	10.5	11.0	---	---	---
8	---	---	---	12.6	11.9	12.2	12.8	10.9	11.9	---	---	---
9	---	---	---	12.3	11.9	12.0	12.3	11.4	11.9	---	---	---
10	---	---	---	12.6	11.9	12.2	11.8	11.1	11.4	---	---	---
11	---	---	---	12.6	12.2	12.3	12.4	10.6	11.3	---	---	---
12	---	---	---	13.0	12.3	12.5	11.2	9.6	10.4	---	---	---
13	---	---	---	13.0	12.2	12.6	10.3	9.6	10	---	---	---
14	---	---	---	14.3	12.6	12.9	11.0	9.9	10.3	---	---	---
15	---	---	---	15.7	12.8	14.2	14.0	9.6	11.5	---	---	---
16	---	---	---	15.7	14.0	14.8	14.5	9.0	11.6	---	---	---
17	11.8	11.2	11.4	15.7	13.7	14.6	14.8	9.0	12.1	---	---	---
18	11.5	11.2	11.3	---	12.8	---	13.3	11.0	12.3	---	---	---
19	11.5	11.2	11.3	13.0	12.3	12.7	11.6	10.1	10.7	---	---	---
20	11.3	11.1	11.2	14.1	12.5	13.3	10.4	9.4	9.9	---	---	---
21	11.4	11.1	11.2	13.4	12.7	13.1	10.9	8.2	9.8	---	---	---
22	11.3	11.0	11.2	12.8	12.2	12.5	9.5	6.6	8.2	---	---	---
23	11.4	11.0	11.2	12.5	11.9	12.1	8.8	7.3	8.1	---	---	---
24	11.3	11.0	11.2	12.7	12.1	12.4	9.6	7.7	8.3	---	---	---
25	11.4	11.1	11.2	12.4	12.0	12.3	9.6	8.8	9.3	---	---	---
26	11.6	11.2	11.4	12.8	11.7	12.0	9.1	8.1	8.7	---	---	---
27	11.6	11.2	11.4	12.2	11.5	11.8	9.7	8.0	8.7	---	---	---
28	11.5	10.9	11.2	14.2	11.6	13.3	10.1	8.6	9.4	---	---	---
29	---	---	---	13.8	12.5	13.1	9.2	8.1	8.5	---	---	---
30	---	---	---	12.5	11.9	12.3	8.9	7.5	8.3	---	---	---
31	---	---	---	12.4	11.6	11.9	---	---	---	---	---	---
MONTH	11.8	10.9	11.3	15.7	11.2	12.5	14.8	6.6	10.6	12.3	7.7	9.8
YEAR	15.7	5.0	10.2									

06892450 OLATHE LAKE NEAR OLATHE, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	15.7	10.1	12.5	8.4	---	---	9.9	8.1	9.0	9.3	3.4	5.5
2	15.3	11.1	13.4	10.5	7.0	8.8	10.3	8.4	9.2	9.3	3.5	5.2
3	15.2	8.5	12.1	9.5	6.8	8.3	10.4	8.5	9.3	9.3	3.3	6.5
4	---	---	---	8.1	6.0	6.7	9.8	5.1	7.8	9.1	5.7	7.8
5	---	---	---	11.6	7.6	9.2	9.3	6.1	7.6	9.4	6.9	7.9
6	---	---	---	12.0	7.9	9.9	8.4	5.3	6.4	7.2	2.9	5.1
7	7.7	6.3	7.2	11.2	8.2	10.0	9.7	6.6	8.3	6.4	3.8	4.9
8	8.5	6.0	7.2	11.0	8.5	9.8	10.5	7.2	8.9	10.6	4.0	7.8
9	8.4	6.0	7.0	10.9	9.2	9.9	11.1	6.5	9.4	11.2	6.9	8.8
10	9.5	6.5	7.9	10.7	8.5	9.7	11.5	5.8	8.2	9.7	6.9	7.9
11	8.0	6.3	7.3	9.9	8.0	8.9	10.7	7.4	9.4	9.1	6.3	7.6
12	8.8	5.7	7.4	10.8	6.8	8.8	9.2	5.9	7.7	8.3	6.2	7.3
13	7.3	5.3	6.6	10.1	8.2	9.1	6.4	4.9	5.8	7.3	5.5	6.4
14	6.5	4.2	5.4	11.7	7.9	9.3	6.3	3.8	4.7	9.0	---	---
15	6.5	5.4	6.1	10.3	7.8	9.3	6.3	4.8	5.4	6.0	4.9	5.6
16	9.8	6.2	7.6	12.1	7.8	10.1	9.9	5.0	6.7	7.4	4.2	4.8
17	11.5	5.3	8.2	10.6	6.7	9.5	10.1	5.9	8.5	8.0	6.1	7.1
18	13.9	5.3	11.1	9.6	5.1	7.6	10.7	7.7	9.3	8.4	6.3	7.3
19	14.3	9.0	12.4	9.1	6.7	7.7	10.3	7.8	9.1	10.1	6.9	7.6
20	13.7	6.7	10.3	---	---	---	10.5	7.3	8.5	9.5	7.2	8.4
21	8.0	5.3	6.8	---	---	---	12.3	7.9	9.4	11.3	7.1	9.7
22	17.6	4.3	9.0	---	---	---	---	---	---	10.1	7.7	8.8
23	15.5	5.5	12.2	---	---	---	---	6.3	---	9.6	5.7	8.3
24	13.1	10.3	11.4	---	---	---	7.7	5.6	6.6	9.6	7.0	8.5
25	13.6	8.8	10.9	---	---	---	7.7	5.4	6.4	9.4	7.5	8.2
26	13.5	9.2	11.4	---	---	---	6.3	3.6	4.8	8.7	3.1	5.8
27	13.4	9.6	11.3	5.9	4.2	5.0	6.2	3.0	3.8	9.8	6.4	8.3
28	11.3	7.7	8.8	9.2	5.3	6.7	10.3	2.4	3.6	9.0	3.4	6.3
29	9.9	6.1	8.0	10.6	7.4	8.7	9.5	2.0	4.3	8.9	3.6	5.3
30	8.0	5.2	6.9	10.6	4.9	8.9	9.5	4.5	7.3	7.7	---	---
31	---	---	---	11.8	4.9	9.2	10.9	2.3	6.5	---	---	---
MONTH	17.6	4.2	9.1	12.1	4.2	8.7	12.3	2.0	7.3	11.3	2.9	7.1
YEAR	19.7	2.0	8.6									

06892450 OLATHE LAKE NEAR OLATHE, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	13	6.8	9.3	14	5.8	8.8	15	10	13	10	6.9	8.4
2	14	5.2	8.8	16	7.9	12	---	---	---	8.9	6.8	7.6
3	12	4.8	8.0	17	9.7	13	12	8.4	9.9	9.9	6.9	7.9
4	11	6.3	8.0	26	11	15	11	7.7	9.4	20	8.7	14
5	---	---	---	20	12	15	11	7.2	9.1	43	16	31
6	---	---	---	17	9.5	13	10	6.4	7.8	50	31	36
7	---	---	---	15	8.3	11	32	6.6	18	53	38	45
8	---	4.3	---	15	7.4	11	21	13	17	47	36	41
9	8.2	3.9	5.8	16	9.5	13	18	14	16	45	32	38
10	8.6	3.9	6.0	19	9.7	14	20	14	17	40	31	35
11	8.1	4.3	5.8	16	12	13	18	14	16	36	31	33
12	11	3.4	6.5	16	10	13	18	13	16	35	28	31
13	13	6.3	8.4	14	10	12	18	13	15	35	30	33
14	14	8.3	11	15	9.8	12	14	12	13	33	27	30
15	14	7.8	10	12	7.4	9.8	16	12	14	31	26	28
16	19	7.2	10	10	6.4	8.2	13	10	11	34	26	29
17	15	7.8	11	9.6	5.4	7.3	14	9.2	11	30	25	27
18	17	7.0	11	8.7	5.3	6.8	12	8.9	10	28	24	26
19	13	7.3	10	8.4	3.2	4.9	11	8.7	10	26	21	23
20	14	7.6	11	5.9	3.2	4.2	12	8.7	11	25	21	22
21	14	9.5	11	6.0	3.6	4.6	11	8.7	9.7	24	20	22
22	15	9.8	12	6.9	3.9	5.2	12	8.7	9.8	25	20	22
23	17	8.0	11	6.6	3.8	4.9	11	8.3	9.5	22	18	20
24	15	7.5	11	8.3	4.8	6.7	10	8.1	8.7	21	17	19
25	17	7.8	11	7.9	4.9	6.3	9.5	7.2	8.0	20	16	18
26	11	5.2	8.3	7.3	4.1	5.9	8.7	7.2	7.6	19	16	17
27	9.3	5.2	7.4	14	4.8	9.7	8.8	6.9	7.6	18	15	16
28	10	6.3	7.7	16	9.9	13	8.1	6.7	7.2	18	14	16
29	11	6.3	7.9	16	12	14	7.8	6.4	7.0	17	14	15
30	17	8.0	12	---	---	---	9.5	6.7	8.5	16	13	14
31	15	7.3	11	---	---	---	9.5	6.7	7.6	15	12	14
MONTH	19	3.4	9.3	26	3.2	9.9	32	6.4	11	53	6.8	24

06892450 OLATHE LAKE NEAR OLATHE, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU—CONTINUED

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	14	12	13	18	13	15	11	5.8	7.3	26	9.0	---
2	13	11	12	18	11	14	9.4	6.2	7.5	16	---	---
3	13	10	12	16	10	13	9.2	6.4	7.8	---	4.4	---
4	13	10	11	15	9.6	12	8.6	5.9	7.2	9.8	4.8	6.4
5	12	9.7	11	14	9.7	11	8.8	6.2	7.4	---	5.3	---
6	12	9.6	10	14	9.3	11	12	5.9	8.1	---	---	---
7	---	---	---	15	10	12	8.8	5.5	6.9	---	---	---
8	---	---	---	16	10	12	12	5.4	8.4	---	---	---
9	---	---	---	15	10	13	12	7.0	9.4	---	---	---
10	---	---	---	18	12	14	12	7.7	9.2	---	---	---
11	---	---	---	18	12	15	12	6.8	9.2	---	---	---
12	---	---	---	16	11	13	11	6.6	8.7	---	---	---
13	---	---	---	16	11	13	---	---	---	---	---	---
14	---	---	---	13	9.2	11	11	---	---	---	---	---
15	---	---	---	14	9.1	11	14	6.2	9.7	---	---	---
16	---	---	---	13	8.8	11	---	---	---	---	---	---
17	40	29	34	14	9.6	12	---	---	---	---	---	---
18	35	27	30	15	11	12	---	---	---	---	---	---
19	33	29	31	16	11	13	---	5.8	---	---	---	---
20	31	23	27	15	9.1	12	7.2	5.0	5.8	---	---	---
21	28	21	25	15	10	12	7.9	3.6	5.3	---	---	---
22	25	19	22	14	6.6	9.4	10	3.5	6.8	---	---	---
23	23	18	20	9.8	6.4	7.8	11	4.5	7.9	---	---	---
24	22	16	18	9.8	5.3	7.1	12	4.4	8.6	---	---	---
25	19	14	16	10	5.1	6.1	12	3.2	6.4	---	---	---
26	17	13	15	7.7	4.5	5.8	21	3.5	9.7	---	---	---
27	15	12	14	7.8	4.6	5.8	25	6.1	12	---	---	---
28	17	12	14	7.3	4.6	5.6	14	5.1	9.3	---	---	---
29	---	---	---	9.1	5.2	6.9	12	5.1	8.3	---	---	---
30	---	---	---	9.6	5.7	7.4	20	7.1	12	---	---	---
31	---	---	---	11	5.7	7.1	---	---	---	---	---	---
MONTH	40	9.6	19	18	4.5	11	25	3.2	8.3	26	4.4	6.4
YEAR	53	3.2	13									

06892450 OLATHE LAKE NEAR OLATHE, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU—CONTINUED

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	5.6	2.2	3.7	5.1	3.2	4.0	18	8.9	13	27	18	22
2	7.6	2.1	3.8	7.0	4.4	5.4	31	9.9	19	19	13	17
3	7.4	2.8	5.2	6.7	4.9	5.6	---	---	---	18	11	14
4	---	---	---	5.0	3.8	4.6	14	4.8	8.1	14	9.4	11
5	---	---	---	5.0	2.8	3.7	16	2.3	7.3	13	8.1	11
6	---	---	---	4.8	3.0	3.9	2.6	<2.0	1.8	12	9.7	11
7	25	18	21	4.2	2.2	3.4	3.5	<2.0	2.2	12	8.2	9.9
8	18	14	16	3.4	<2.0	1.8	5.7	2.2	3.3	13	8.5	11
9	18	12	14	<2.0	<2.0	1.1	5.1	3.0	4.1	15	8.0	11
10	16	12	13	2.0	<2.0	1.2	5.0	2.3	3.7	19	7.8	12
11	15	11	13	2.5	<2.0	1.4	4.5	3.1	3.8	9.0	7.4	8.2
12	28	11	17	2.7	<2.0	1.7	3.5	2.7	3.1	9.5	7.2	8.2
13	37	21	30	3.4	<2.0	2.0	3.6	<2.0	2.7	10	6.1	7.4
14	36	24	31	3.9	<2.0	2.5	4.0	<2.0	2.0	7.9	5.6	6.7
15	24	18	22	2.8	<2.0	2.2	5.1	3.2	3.8	7.7	5.5	6.3
16	18	14	16	3.3	<2.0	2.2	4.9	<2.0	---	6.6	4.5	5.3
17	15	12	13	2.5	<2.0	1.3	3.0	<2.0	2.1	7.7	4.5	6.0
18	13	9.1	12	3.0	<2.0	1.9	3.0	<2.0	2.3	8.4	5.9	6.8
19	10	8.3	9.4	3.6	<2.0	2.2	3.2	2.0	2.5	8.2	4.4	6.1
20	9.1	6.1	7.2	3.0	---	---	2.8	<2.0	2.1	5.6	3.7	4.6
21	8.1	4.3	6.0	---	---	---	6.7	2.6	3.9	6.3	4.1	4.8
22	8.2	3.6	5.8	---	---	---	---	---	---	5.5	3.7	4.4
23	8.8	3.8	5.4	---	---	---	---	---	---	5.7	3.6	4.6
24	6.3	3.7	4.8	---	---	---	<2.0	<2.0	0.3	6.1	4.0	4.9
25	8.9	3.8	5.9	---	---	---	<2.0	<2.0	0.6	5.0	3.4	3.9
26	12	6.8	8.6	---	---	---	65	<2.0	---	8.9	4.1	5.5
27	8.0	4.5	6.3	---	---	---	42	26	35	6.5	4.2	5.4
28	5.3	3.2	4.1	---	---	---	36	21	30	7.0	3.9	5.3
29	5.4	3.2	4.1	---	---	---	30	23	25	6.6	3.9	5.3
30	4.9	3.8	4.3	---	---	---	26	21	24	5.8	3.7	---
31	---	---	---	---	---	---	28	19	24	---	---	---
MONTH	37	2.1	11	7.0	<2.0	2.7	65	<2.0	8.8	27	3.4	8.3
YEAR	65	<2.0	6.7									

< Actual value is known to be less than the value shown

06892495 CEDAR CREEK NEAR DESOTO, KS

LOCATION.--Lat 38°58'41", long 94°55'22", in NW ¼ NE ¼ SW ¼ sec.25, T.12 S., R.22 E., Johnson County, Hydrologic Unit 10270104, on left upstream bank of 83rd Street bridge, 2 mi east of DeSoto, and at mile 1.0.

WATER-DISCHARGE RECORDS

DRAINAGE AREA.--58.4 mi^2.

PERIOD OF RECORD.--October 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is NAVD of 1988.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow can be affected by backwater from Kansas River. Flow regulated by Olathe Lake 6 mi upstream and controls 13.3 mi^2 of drainage basin. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.5	26	48	e15	38	33	14	7.6	53	16	5.0	26
2	4.3	47	40	e14	38	30	12	7.3	34	10	5.0	32
3	4.4	23	36	364	34	27	12	7.0	103	9.4	4.3	22
4	4.2	145	31	e275	32	26	13	6.8	e1,820	69	4.4	15
5	4.1	53	67	642	31	23	19	6.9	e230	38	3.2	12
6	3.9	30	210	144	80	23	21	7.2	e128	19	3.1	11
7	14	20	78	e86	275	44	17	7.0	e79	13	3.2	8.6
8	41	15	61	e68	115	33	14	7.9	58	10	3.4	10
9	20	15	47	e55	81	29	12	9.6	233	8.3	3.3	13
10	12	14	39	e108	68	25	13	8.3	81	7.7	3.2	12
11	9.6	56	34	95	68	22	36	7.7	e560	7.0	3.3	11
12	18	34	29	105	121	20	43	8.2	e754	6.6	7.7	10
13	33	19	26	e178	852	19	24	258	e824	6.3	94	10
14	18	16	21	e90	265	18	17	125	e203	5.9	65	7.1
15	12	13	24	e50	124	17	15	57	88	5.6	18	57
16	9.2	15	22	e38	88	16	13	39	63	5.6	11	45
17	6.9	16	18	e32	73	15	12	34	49	5.4	7.5	24
18	8.6	13	18	e29	64	21	12	29	35	6.1	6.4	34
19	6.5	15	16	e39	61	15	12	20	29	6.4	18	37
20	4.9	12	19	44	64	12	11	16	23	10	e1,000	32
21	4.8	10	16	47	57	13	10	13	19	7.4	e100	22
22	5.9	10	e15	42	51	34	9.4	11	14	6.5	e40	21
23	11	9.8	e13	33	48	46	8.6	10	14	6.3	29	e645
24	7.5	69	e10	32	43	39	8.2	8.4	14	5.8	20	e188
25	4.9	96	e10	31	39	33	8.2	8.1	13	5.5	804	69
26	6.5	156	e12	30	37	28	9.5	9.4	11	6.1	1,230	51
27	13	170	e13	26	36	25	9.2	7.5	9.9	27	221	41
28	11	95	e14	22	37	22	8.3	7.6	9.2	8.5	78	35
29	18	61	e15	23	---	28	8.2	7.3	9.1	6.7	53	33
30	17	51	e14	25	---	25	8.0	7.4	9.2	5.8	41	29
31	7.9	---	e17	27	---	16	---	7.6	---	5.3	26	---
MEAN	11.2	44.2	33.3	90.6	104	25.1	14.3	24.7	186	11.5	126	52.1
MAX	41	170	210	642	852	46	43	258	1,820	69	1,230	645
MIN	3.9	9.8	10	14	31	12	8.0	6.8	9.1	5.3	3.1	7.1
AC-FT	687	2,630	2,050	5,570	5,790	1,540	852	1,520	11,050	707	7,760	3,100

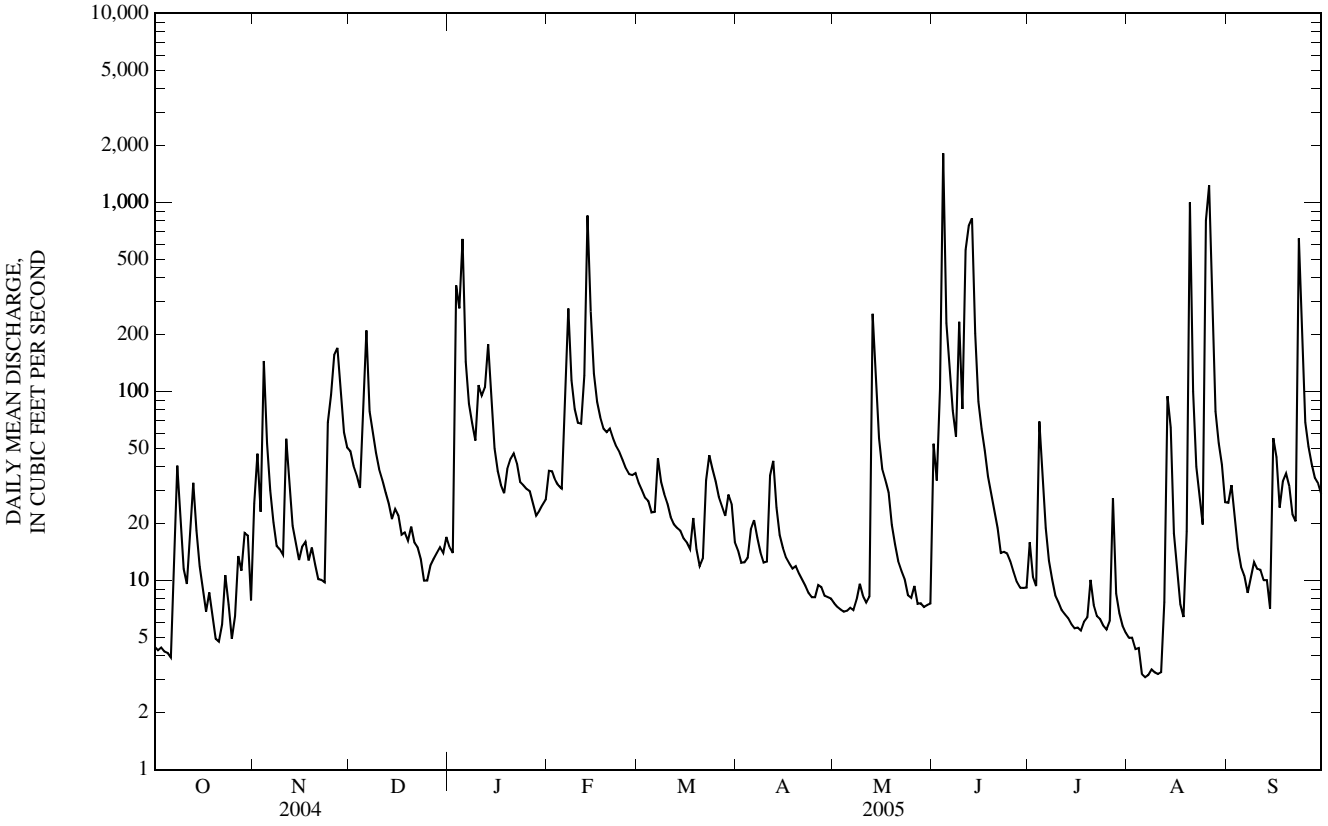
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	7.17	18.2	20.8	37.2	45.3	57.0	17.2	38.3	80.8	42.8	82.0	28.0
MAX	11.2	44.2	33.3	90.6	104	140	20.6	70.0	186	112	126	52.1
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2004)	(2005)	(2004)	(2005)	(2005)
MIN	4.96	4.70	3.44	3.36	5.12	5.97	14.3	20.1	27.3	4.52	35.1	14.6
(WY)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2005)	(2003)	(2004)	(2003)	(2003)	(2004)

06892495 CEDAR CREEK NEAR DESOTO, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2003 - 2005	
ANNUAL MEAN	50.6		59.7		39.6	
HIGHEST ANNUAL MEAN					59.7	2005
LOWEST ANNUAL MEAN					12.6	2003
HIGHEST DAILY MEAN	2,190	Mar 4	1,820	Jun 4	2,190	Mar 4, 2004
LOWEST DAILY MEAN	3.9	Oct 6	3.1	Aug 6	1.3	Oct 1, 2002
ANNUAL SEVEN-DAY MINIMUM	4.3	Sep 30	3.2	Aug 5	1.5	Aug 5, 2003
MAXIMUM PEAK FLOW			e4,390	Jun 4	6,140	Mar 4, 2004
MAXIMUM PEAK STAGE			65.10	Jun 4	65.10	Jun 4, 2005
INSTANTANEOUS LOW FLOW			2.3	Oct 1	1.2	Oct 1, 2002
ANNUAL RUNOFF (AC-FT)	36,770		43,250		28,660	
10 PERCENT EXCEEDS	61		95		56	
50 PERCENT EXCEEDS	18		19		12	
90 PERCENT EXCEEDS	6.7		6.5		3.0	

e Estimated



06892495 CEDAR CREEK NEAR DESOTO, KS—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 2002 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 2002 to current year.
pH: October 2002 to current year.
WATER TEMPERATURE: October 2002 to current year.
DISSOLVED OXYGEN: October 2002 to current year.
TURBIDITY (YSI 6136 sensor): October 2002 to current year.

INSTRUMENTATION.--Multiparameter water-quality monitor.

REMARKS.--Records good. Interruptions in record are due to ice conditions, malfunction of the recording instrument or sensors, or during days of no streamflow. Instruments used to measure turbidity conform to ISO 7027 standards and were made using Yellow Springs International (YSI) 6136 sensor.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 1,560 microsiemens/cm, Mar. 17, 2003; minimum, 202 microsiemens/cm, July 6, 2004.
pH: Maximum, 9.1 standard units, Aug. 6, 2003; minimum, 7.4 standard units, July 6, 2004.
WATER TEMPERATURE: Maximum, 31.9°C, July 18, 2003; minimum, -0.1°C, Jan. 15, 2005.
DISSOLVED OXYGEN: Maximum, 22.9 mg/L, Apr. 12, 2003; minimum, 1.2 mg/L, July 19, 2003.
TURBIDITY (YSI 6136 sensor): Maximum, 2,100 FNU, June 23, 2003; minimum, <2.0 FNU, Nov. 12, 2003.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 1,020 microsiemens/cm, Oct. 8; minimum, 231 microsiemens/cm, Aug. 26.
pH: Maximum, 8.8 standard units, Mar. 20; minimum, 7.6 standard units, July 31.
WATER TEMPERATURE: Maximum, 30.5°C, June 27; minimum, -0.1°C, Jan. 15.
DISSOLVED OXYGEN: Maximum, 18.0 mg/L, Dec. 25; minimum, 3.1 mg/L, July 22.
TURBIDITY (YSI 6136 sensor): Maximum, 1,840 FNU, June 4; minimum, <2.0 FNU, Dec. 3.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	781	751	766	860	752	820	715	690	707	772	752	763
2	814	781	798	795	618	711	746	684	715	773	762	767
3	868	814	841	618	583	597	822	746	794	762	346	569
4	934	868	901	639	513	549	820	786	800	581	489	564
5	981	934	958	570	535	549	819	694	782	608	444	549
6	1,000	981	993	610	569	594	704	517	551	645	608	629
7	1,010	932	971	674	610	638	641	570	609	---	645	670
8	1,020	771	964	711	674	700	683	641	657	---	---	---
9	771	415	494	716	709	712	688	677	683	753	---	---
10	743	479	609	720	709	716	729	680	711	1,000	---	---
11	753	696	733	740	589	709	737	725	729	757	735	744
12	696	668	678	624	585	599	727	717	722	758	717	745
13	752	670	709	616	586	597	726	713	721	927	666	734
14	752	628	678	645	616	634	725	704	716	739	676	712
15	641	627	635	680	645	664	739	721	732	773	739	757
16	633	621	624	698	678	684	761	734	753	795	773	784
17	675	633	653	709	698	704	758	707	731	798	781	790
18	708	675	695	708	626	660	757	735	745	789	773	782
19	754	708	728	699	615	656	783	745	759	775	763	770
20	807	753	784	746	631	700	789	774	781	769	758	762
21	835	807	824	782	746	764	789	776	780	793	752	776
22	852	834	846	804	782	796	794	772	784	757	737	750
23	850	818	836	804	774	791	807	769	789	753	738	745
24	818	795	803	805	602	755	778	753	768	754	743	748
25	815	795	801	621	546	589	820	777	793	764	751	756
26	877	815	844	653	554	594	876	820	849	765	745	754
27	924	877	914	620	554	574	884	849	868	762	747	756
28	906	848	867	609	565	585	862	818	841	770	752	761
29	872	848	862	653	609	633	829	779	804	759	742	751
30	863	833	845	690	653	669	782	735	754	753	742	747
31	859	833	845	---	---	---	752	728	739	758	745	751
MONTH	1,020	415	790	860	513	665	884	517	747	1,000	346	728

06892495 CEDAR CREEK NEAR DESOTO, KS—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	820	758	789	749	720	735	774	747	756	830	811	821
2	958	803	859	749	721	737	802	774	789	823	813	819
3	990	957	977	766	738	752	826	796	805	830	817	825
4	970	865	897	760	727	745	864	826	843	836	823	830
5	867	817	842	750	733	742	864	835	847	840	825	834
6	842	753	807	810	750	774	854	826	840	845	830	840
7	846	603	642	845	786	824	826	755	766	850	841	846
8	705	650	688	786	723	739	756	725	741	849	819	838
9	724	705	715	723	693	707	773	754	761	844	825	836
10	843	724	759	753	719	743	787	767	778	846	832	840
11	960	843	909	780	753	766	809	780	787	837	827	832
12	954	663	837	787	769	776	814	653	749	837	761	830
13	696	522	566	788	776	783	693	650	670	813	355	569
14	656	580	628	806	784	792	769	693	743	683	524	649
15	679	656	670	806	---	792	762	748	753	713	683	702
16	728	678	702	787	760	775	790	762	771	732	712	724
17	777	719	738	774	760	768	812	790	797	760	---	748
18	799	746	765	795	767	775	817	804	812	774	759	765
19	800	750	770	801	784	793	819	809	815	787	774	782
20	766	736	748	810	797	804	829	817	820	778	765	769
21	740	722	730	810	767	787	831	816	827	774	765	768
22	740	717	728	818	771	788	830	823	827	781	773	775
23	799	731	775	820	743	782	829	804	817	786	781	783
24	779	764	774	778	710	741	805	780	792	786	777	782
25	818	753	774	779	745	757	797	786	793	786	780	782
26	817	774	794	809	779	787	805	789	796	789	783	784
27	819	773	791	843	809	833	823	805	813	793	786	790
28	775	742	754	830	785	807	831	823	827	796	789	792
29	---	---	---	793	780	787	836	825	831	795	788	792
30	---	---	---	800	782	791	832	820	827	794	788	790
31	---	---	---	803	758	784	---	---	---	818	794	804
MONTH	990	522	765	845	693	773	864	650	793	850	355	785

06892495 CEDAR CREEK NEAR DESOTO, KS—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	831	503	777	746	719	731	603	519	542	663	642	648
2	503	357	387	755	745	749	537	506	514	671	658	665
3	691	243	454	765	733	756	550	511	535	669	631	656
4	---	---	---	748	346	603	611	550	585	631	600	614
5	---	---	---	545	347	457	646	611	629	614	604	607
6	587	522	550	555	545	552	658	646	652	626	609	614
7	662	587	636	556	543	547	687	657	678	650	626	636
8	673	612	662	578	556	565	723	686	713	670	649	656
9	650	397	491	603	578	595	756	723	749	694	669	676
10	579	500	545	628	603	620	789	756	778	724	694	700
11	613	380	478	650	624	637	837	787	812	730	697	717
12	508	317	456	674	650	666	855	773	834	697	657	674
13	469	339	442	689	663	679	898	264	640	658	642	652
14	555	465	514	700	679	693	405	240	330	642	630	634
15	599	555	580	708	690	701	417	374	394	630	363	574
16	633	599	616	722	702	714	484	375	414	496	315	434
17	648	633	641	732	718	725	585	484	541	518	496	507
18	668	648	658	738	724	733	662	585	631	566	513	528
19	676	668	670	744	733	740	760	572	692	598	561	580
20	685	674	678	770	743	757	641	---	---	561	511	524
21	687	---	---	775	765	769	---	---	---	561	526	536
22	697	---	---	780	769	774	582	---	---	604	561	583
23	700	677	692	801	778	794	630	582	607	605	265	405
24	714	683	699	817	797	810	664	630	643	494	383	447
25	721	688	708	831	815	822	684	295	474	554	494	528
26	724	689	710	833	798	823	470	213	385	590	554	573
27	729	699	717	869	792	849	516	414	472	617	590	607
28	736	718	729	865	852	857	566	516	545	644	617	627
29	735	720	728	853	810	825	596	566	579	655	644	650
30	736	707	723	813	726	748	620	596	607	653	637	644
31	---	---	---	731	601	625	645	620	633	---	---	---
MONTH	831	243	613	869	346	707	898	213	593	730	265	597
YEAR	1,020	213	715									

06892495 CEDAR CREEK NEAR DESOTO, KS—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	8.0	7.7	7.9	7.9	7.8	7.9	8.0	7.9	7.9	8.5	8.1	8.3
2	8.1	7.8	7.9	8.0	7.9	7.9	8.0	7.9	7.9	8.3	8.0	8.1
3	8.1	7.8	7.9	8.0	7.8	7.9	8.2	7.8	8.0	8.0	7.9	8.0
4	8.2	7.8	8.0	8.0	7.8	7.9	8.2	8.0	8.0	8.0	7.9	8.0
5	8.2	7.8	8.0	8.0	7.7	7.8	8.1	8.0	8.0	7.9	7.9	7.9
6	8.3	7.9	8.1	8.0	7.7	7.8	8.1	8.0	8.0	8.0	7.9	7.9
7	8.3	8.0	8.1	8.0	7.7	7.8	8.2	8.0	8.0	8.0	7.9	8.0
8	8.2	7.9	8.0	8.0	7.7	7.8	8.2	8.1	8.1	---	---	---
9	7.9	7.7	7.8	8.0	7.7	7.8	8.2	8.0	8.1	---	---	---
10	8.0	7.7	7.8	8.0	7.7	7.8	8.1	7.9	8.0	8.0	8.0	8.0
11	8.1	7.8	7.9	7.9	7.7	7.8	8.2	7.9	8.0	8.0	8.0	8.0
12	8.0	7.9	8.0	7.9	7.7	7.7	8.3	8.0	8.0	8.0	8.0	8.0
13	8.1	7.9	8.0	8.0	7.7	7.8	8.4	7.9	8.1	8.0	8.0	8.0
14	8.2	7.9	8.0	8.0	7.7	7.8	8.2	7.8	8.0	8.0	8.0	8.0
15	8.1	7.8	7.9	8.0	7.8	7.8	8.1	7.9	8.0	8.0	8.0	8.0
16	8.2	7.8	8.0	8.1	7.8	7.9	8.3	7.9	8.0	8.0	8.0	8.0
17	8.2	7.8	8.0	8.3	7.8	8.0	8.2	7.9	8.0	8.0	8.0	8.0
18	8.1	7.9	8.0	8.2	8.0	8.0	8.4	8.0	8.0	8.0	8.0	8.0
19	8.2	7.9	8.0	8.2	8.0	8.0	8.2	7.9	8.0	8.1	8.0	8.0
20	8.1	7.9	8.0	8.3	7.9	8.0	8.3	7.8	8.0	8.1	8.0	8.0
21	8.1	7.9	8.0	8.2	7.9	8.0	8.3	8.1	8.2	8.1	8.0	8.0
22	8.1	7.9	8.0	8.2	7.8	8.0	8.5	8.1	8.2	8.2	8.0	8.0
23	8.1	7.9	8.0	8.2	8.0	8.0	8.4	8.0	8.1	8.2	8.0	8.0
24	8.1	7.8	7.9	8.0	7.8	7.9	8.4	8.0	8.1	8.2	8.0	8.0
25	8.2	7.8	7.9	8.0	7.8	7.9	8.4	8.0	8.1	8.2	8.0	8.1
26	8.1	7.8	7.9	8.0	7.9	8.0	8.4	8.0	8.1	8.3	8.0	8.1
27	8.0	7.8	7.9	8.1	8.0	8.0	8.4	8.0	8.1	8.3	8.0	8.1
28	8.0	7.8	7.9	8.0	8.0	8.0	8.5	8.0	8.1	8.4	8.0	8.2
29	8.1	7.9	7.9	8.0	7.9	8.0	8.5	8.0	8.2	8.4	8.1	8.2
30	8.0	7.8	7.9	8.0	7.9	8.0	8.6	8.1	8.2	8.4	8.1	8.2
31	8.0	7.8	7.9	---	---	---	---	8.2	---	8.4	8.1	8.2
MAX	8.3	8.0	8.1	8.3	8.0	8.0	8.6	8.2	8.2	8.5	8.1	8.3
MIN	7.9	7.7	7.8	7.9	7.7	7.7	8.0	7.8	7.9	7.9	7.9	7.9

06892495 CEDAR CREEK NEAR DESOTO, KS—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.5	8.1	8.2	8.7	8.1	8.3	8.4	7.9	8.1	8.6	8.0	8.3
2	8.5	8.1	8.2	8.7	8.2	8.4	8.5	7.9	8.1	8.6	8.1	8.3
3	8.6	8.2	8.3	8.7	8.2	8.4	8.5	7.9	8.1	8.7	8.1	8.4
4	8.6	8.1	8.3	8.7	8.2	8.4	8.6	7.9	8.1	8.7	8.1	8.3
5	8.7	8.2	8.4	8.7	8.2	8.4	8.4	8.0	8.1	8.6	8.0	8.3
6	8.5	8.1	8.2	8.6	8.2	8.4	8.6	8.0	8.1	8.5	8.0	8.2
7	8.1	8.0	8.1	8.6	8.1	8.4	8.3	7.9	8.0	8.4	7.8	8.1
8	8.2	8.1	8.1	8.5	8.1	8.2	8.8	8.0	8.2	8.2	7.8	8.0
9	8.2	8.1	8.2	8.5	8.0	8.1	8.6	7.9	8.2	8.3	7.8	7.9
10	8.2	8.1	8.2	8.7	8.0	8.3	8.7	8.0	8.2	8.3	7.7	7.8
11	8.2	8.1	8.2	8.6	8.2	8.3	8.4	8.0	8.1	8.0	7.7	7.8
12	8.2	8.1	8.1	8.6	8.2	8.4	8.1	7.7	8.0	8.3	7.7	7.8
13	8.1	8.0	8.0	8.6	8.1	8.3	8.1	7.7	7.8	8.0	7.7	7.8
14	8.0	8.0	8.0	8.6	8.1	8.2	8.2	7.8	7.9	8.0	7.9	7.9
15	8.1	8.0	8.0	8.6	8.1	8.2	8.4	7.9	8.0	7.9	7.8	7.9
16	8.2	8.0	8.1	8.7	8.1	8.3	8.5	7.9	8.0	8.0	7.8	7.9
17	8.2	8.1	8.1	8.7	8.1	8.3	8.5	7.9	8.1	8.0	7.9	7.9
18	8.2	8.1	8.2	8.6	8.1	8.3	8.6	8.0	8.3	7.9	7.8	7.9
19	8.2	8.0	8.2	8.7	8.2	8.3	8.5	8.1	8.2	8.0	7.8	7.8
20	8.2	8.0	8.1	8.8	8.1	8.3	8.4	8.0	8.1	8.0	7.7	7.8
21	8.3	8.1	8.2	8.4	8.0	8.1	8.4	7.9	8.0	8.0	7.6	7.7
22	8.4	8.1	8.2	8.2	8.0	8.1	8.4	7.9	8.0	7.9	7.6	7.7
23	8.5	8.2	8.3	8.2	7.9	8.0	8.5	7.9	8.1	7.9	7.6	7.7
24	8.5	8.2	8.2	8.0	7.9	7.9	8.6	7.9	8.1	8.1	7.7	7.8
25	8.7	8.2	8.3	8.1	7.9	8.0	8.3	7.9	8.1	8.0	7.8	7.9
26	8.7	8.2	8.3	8.1	7.9	8.0	8.6	8.0	8.2	8.2	7.8	8.0
27	8.7	8.2	8.3	8.2	7.9	8.1	8.6	8.0	8.2	8.1	7.9	8.0
28	8.6	8.1	8.2	8.3	8.0	8.1	8.5	8.0	8.2	8.1	8.0	8.1
29	---	---	---	8.3	8.0	8.1	8.5	8.0	8.2	8.2	8.0	8.0
30	---	---	---	8.4	8.0	8.1	8.6	8.1	8.3	8.3	8.0	8.2
31	---	---	---	8.3	7.9	8.0	---	---	---	8.2	8.1	8.1
MAX	8.7	8.2	8.4	8.8	8.2	8.4	8.8	8.1	8.3	8.7	8.1	8.4
MIN	8.0	8.0	8.0	8.0	7.9	7.9	8.1	7.7	7.8	7.9	7.6	7.7

06892495 CEDAR CREEK NEAR DESOTO, KS—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.2	8.0	8.1	8.1	8.0	8.0	7.8	7.6	7.7	8.3	8.3	8.3
2	8.0	7.8	7.8	8.2	8.0	8.0	7.9	7.6	7.8	8.4	8.3	8.3
3	8.2	7.8	7.9	8.2	7.9	8.0	8.0	7.7	7.9	8.4	8.2	8.4
4	---	---	---	8.0	7.8	8.0	8.2	7.6	7.8	8.4	8.2	8.2
5	---	---	---	8.0	7.8	7.9	8.3	8.1	8.2	8.4	8.2	8.2
6	7.9	7.8	7.8	8.1	7.9	8.0	8.3	8.0	8.2	8.4	8.2	8.3
7	7.9	7.8	7.8	8.1	7.9	7.9	8.2	7.9	8.0	8.5	8.2	8.3
8	8.0	7.9	7.9	8.2	7.8	7.9	8.2	7.9	8.1	8.5	8.2	8.2
9	8.0	7.8	7.9	8.2	7.8	7.9	8.2	7.9	8.1	8.4	8.2	8.2
10	8.0	7.9	7.9	8.2	8.0	8.1	8.2	7.8	8.1	8.5	8.2	8.3
11	8.0	7.9	8.0	8.5	8.0	8.2	8.1	7.8	8.0	8.6	8.3	8.4
12	8.0	7.8	7.9	8.6	8.2	8.3	8.2	7.7	7.9	8.6	8.2	8.3
13	8.0	7.8	8.0	8.6	8.2	8.4	8.0	7.8	8.0	8.4	8.2	8.2
14	8.0	7.9	7.9	8.6	8.1	8.3	8.0	7.9	7.9	8.5	8.1	8.2
15	8.1	8.0	8.0	---	8.1	8.2	8.0	7.9	7.9	8.4	8.2	8.3
16	8.2	8.1	8.1	8.5	8.2	8.4	7.9	7.8	7.9	8.4	8.3	8.4
17	8.2	8.1	8.1	8.4	8.1	8.2	8.0	7.9	7.9	8.5	8.4	8.5
18	8.2	8.1	8.1	8.4	8.1	8.2	8.1	7.9	8.0	8.4	8.3	8.4
19	8.2	8.0	8.1	8.4	8.2	8.3	8.3	8.0	8.2	8.4	8.2	8.3
20	8.2	8.0	8.1	8.2	8.0	8.1	---	---	---	8.2	8.0	8.1
21	---	8.1	---	8.1	7.9	7.9	---	---	---	8.2	8.0	8.1
22	8.3	---	---	8.0	7.8	7.9	---	---	---	8.2	8.1	8.1
23	8.4	8.1	8.2	7.9	7.7	7.8	8.3	8.2	8.3	8.3	8.1	8.1
24	8.5	8.1	8.2	7.9	7.7	7.8	8.5	8.3	8.4	8.2	8.1	8.2
25	8.5	8.0	8.2	8.1	7.8	7.9	8.4	8.2	8.3	8.2	8.0	8.1
26	8.5	8.0	8.2	8.0	7.8	7.9	8.3	8.2	8.2	8.1	8.0	8.0
27	8.5	7.9	8.1	8.1	8.0	8.0	8.3	8.2	8.3	8.1	8.0	8.1
28	8.2	7.9	8.0	8.1	7.9	8.0	8.3	8.2	8.3	8.1	8.0	8.1
29	8.3	7.9	8.0	8.0	7.7	7.9	8.3	8.2	8.3	8.3	8.1	8.2
30	8.2	7.9	8.0	7.9	7.6	7.8	8.3	8.3	8.3	8.3	8.2	8.2
31	---	---	---	7.8	7.6	7.8	8.4	8.3	8.4	---	---	---
MAX	8.5	8.1	8.2	8.6	8.2	8.4	8.5	8.3	8.4	8.6	8.4	8.5
MIN	7.9	7.8	7.8	7.8	7.6	7.8	7.8	7.6	7.7	8.1	8.0	8.0

YEAR			
	MAX	MAXIMUM 8.8	MINIMUM 7.8
	MIN	MAXIMUM 8.4	MINIMUM 7.6
	MEDIAN	MAXIMUM 8.5	MINIMUM 7.7

06892495 CEDAR CREEK NEAR DESOTO, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.8	17.3	18.2	16.0	14.6	15.6	5.6	4.6	5.0	---	5.8	---
2	17.3	14.5	15.6	14.6	13.3	14.1	5.5	4.3	4.7	9.2	6.8	7.9
3	16.3	13.7	14.8	13.3	12.1	12.7	5.4	4.0	4.5	6.9	4.3	5.6
4	16.5	14.8	15.7	13.0	11.2	12.2	5.9	3.9	4.7	4.7	3.4	4.3
5	15.4	13.2	14.4	12.6	11.1	11.7	6.5	4.2	5.0	3.7	2.5	3.1
6	16.0	13.6	14.6	12.7	10.6	11.5	8.1	6.5	7.3	2.5	1.5	1.7
7	16.2	15.2	15.8	12.6	10.3	11.4	8.4	7.4	8.0	2.2	1.5	1.8
8	17.9	15.0	16.4	11.8	10.0	10.9	7.4	6.8	7.1	---	---	---
9	18.7	16.3	17.4	12.0	10.2	10.9	7.6	6.7	7.1	3.9	---	---
10	18.2	16.2	17.2	12.2	10.0	11.0	6.8	6.3	6.7	4.2	3.4	3.9
11	17.0	15.4	16.2	11.4	10.6	11.1	6.6	5.8	6.1	3.4	3.2	3.2
12	15.4	14.5	14.9	10.6	9.0	10.0	6.5	5.5	5.9	3.7	3.2	3.4
13	15.2	13.5	14.3	9.3	8.0	8.7	5.5	3.6	4.7	3.6	1.5	2.7
14	14.6	12.8	13.6	8.8	7.7	8.2	3.6	1.9	2.8	1.5	-0.1	0.4
15	13.7	12.0	12.9	9.2	8.3	8.7	2.5	1.4	1.8	0.2	-0.1	0.0
16	13.2	10.8	12.1	11.0	9.0	10	3.2	1.2	2.1	0.4	-0.1	0.0
17	13.3	10.6	12.2	13.3	10.6	11.8	3.7	1.9	2.7	0.6	-0.1	0.1
18	13.4	12.6	13.0	13.4	12.3	12.9	4.3	2.7	3.4	0.8	-0.1	0.3
19	13.3	12.4	12.8	13.6	12.8	13.3	3.0	1.3	2.0	1.5	0.2	0.7
20	13.2	12.7	13.0	13.5	12.0	12.8	2.7	1.0	1.7	3.6	1.0	2.3
21	14.4	13.0	13.6	12.0	10.5	11.1	1.5	0.7	1.1	4.0	3.0	3.7
22	16.9	14.4	15.7	10.7	10.2	10.4	0.8	0.1	0.4	3.8	0.9	2.5
23	17.0	15.3	16.1	10.3	8.8	10.1	0.9	0.0	0.4	1.4	0.2	0.6
24	15.6	13.1	14.6	8.8	5.6	6.7	0.9	0.0	0.3	2.0	0.1	0.8
25	15.9	13.8	14.9	7.0	5.5	6.2	1.1	0.1	0.5	3.2	0.8	1.9
26	16.9	15.6	16.2	9.3	7.0	8.0	1.3	0.2	0.6	3.9	2.2	3.0
27	16.7	16.0	16.4	9.4	8.2	9.1	1.5	0.3	0.8	3.9	2.9	3.3
28	18.3	16.4	17.2	8.2	7.0	7.4	2.3	0.6	1.3	3.8	2.7	3.1
29	19.8	17.9	18.6	7.0	6.6	6.9	2.5	0.4	1.4	3.9	2.7	3.2
30	18.3	16.0	17.0	6.6	5.3	6.1	5.6	1.8	3.5	4.1	3.3	3.7
31	16.1	14.0	15.3	---	---	---	---	3.2	---	4.3	3.7	4.0
MONTH	19.8	10.6	15.2	16.0	5.3	10.4	8.4	0.0	3.5	9.2	-0.1	2.5

06892495 CEDAR CREEK NEAR DESOTO, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	5.4	4.0	4.5	6.4	3.7	4.8	15.2	11.3	12.8	15.7	10.4	13.0
2	5.2	3.8	4.5	6.6	3.0	4.6	15.5	9.8	12.4	15.2	10.3	12.9
3	5.2	3.0	3.9	8.0	3.9	5.8	16.8	11.2	13.6	16.4	10.6	13.4
4	5.8	2.7	4.1	10.0	5.8	7.7	18.3	13.2	15.5	16.7	12.0	14.3
5	6.4	3.8	5.1	10.6	7.0	8.6	17.3	15.6	16.4	17.2	12.8	15.0
6	6.9	5.6	6.2	11.2	7.6	9.3	19.1	16.0	17.2	20.3	14.6	16.9
7	6.8	3.6	4.9	10.9	9.1	10	16.9	15.1	16.1	20.4	17.1	18.7
8	3.6	1.8	2.7	9.1	7.4	8.4	18.6	13.7	15.8	19.6	17.9	18.9
9	2.3	1.2	1.8	9.0	6.5	7.4	18.3	14.9	16.5	22.9	17.4	19.9
10	2.7	1.2	2.0	10.0	6.5	7.9	19.5	15.7	17.4	24.8	18.9	21.2
11	3.8	2.1	3.0	10.1	6.6	8.2	20.0	17.0	18.2	23.4	21.2	22.3
12	5.2	3.8	4.4	11.6	7.8	9.3	18.3	15.5	17.1	23.5	19.6	21.2
13	6.0	5.2	5.7	10.1	7.9	8.8	18.1	14.5	15.9	21.3	17.5	18.8
14	7.4	5.0	6.0	10.6	7.4	8.8	18.2	13.5	15.6	19.2	17.6	18.4
15	7.7	7.0	7.4	10.1	7.4	8.4	18.3	14.0	16.0	19.2	17.0	18.0
16	7.4	6.3	6.6	10.9	7.3	8.8	19.9	14.8	17.1	19.9	16.2	17.5
17	6.6	5.4	6.0	11.5	7.5	9.2	20.7	15.8	18.0	21.5	16.9	19.1
18	6.4	5.2	5.8	12.0	8.4	9.9	19.7	17.4	18.5	20.7	18.5	19.5
19	6.3	5.8	6.0	11.6	8.0	9.7	20.8	17.9	19.1	24.5	18.6	21.2
20	8.3	6.3	7.4	12.1	7.5	9.6	21.4	18.7	19.8	25.3	19.9	22.4
21	8.3	7.3	7.9	9.9	8.6	9.3	23.3	19.6	21.0	25.5	20.8	23.1
22	8.0	6.8	7.2	8.6	7.3	8.2	20.8	17.5	19.1	26.4	22.4	24.1
23	7.6	6.9	7.2	8.1	6.9	7.4	19.0	14.8	16.8	27.0	21.5	24.1
24	8.4	6.4	7.1	7.8	7.1	7.4	18.6	13.2	15.9	24.6	21.9	23.2
25	8.6	5.8	6.9	7.7	7.3	7.4	16.6	13.5	14.3	25.0	20.8	22.6
26	8.6	5.8	7.1	7.8	7.0	7.3	14.8	11.9	13.4	25.3	20.9	23.0
27	8.5	7.0	7.7	10.8	6.3	8.2	16.2	11.1	13.6	22.9	19.9	20.9
28	7.5	5.0	6.5	12.4	7.3	9.7	14.9	12.8	13.3	23.3	18.2	20.3
29	---	---	---	13.9	10.2	11.9	12.8	11.5	12.0	23.7	19.9	21.7
30	---	---	---	14.7	12.8	13.6	15.2	9.8	12.4	22.7	20.1	21.5
31	---	---	---	13.8	11.3	12.6	---	---	---	23.1	19.8	21.1
MONTH	8.6	1.2	5.6	14.7	3.0	8.7	23.3	9.8	16.0	27.0	10.3	19.6

06892495 CEDAR CREEK NEAR DESOTO, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.8	20.3	21.3	27.7	23.3	25.3	26.4	25.4	25.9	24.8	23.1	23.7
2	22.1	19.4	20.7	27.7	23.5	25.4	26.9	26.1	26.5	24.9	22.6	23.6
3	20.5	18.7	19.7	27.3	23.9	25.5	27.7	26.6	27.1	25.8	22.4	23.9
4	---	---	---	25.4	23.4	24.0	29.2	27.5	28.0	26.0	22.8	24.4
5	21.4	---	---	25.5	22.8	23.9	28.9	25.4	26.4	26.3	23.1	24.6
6	21.7	19.8	20.8	27.1	22.5	24.7	25.5	24.1	24.9	26.3	22.9	24.6
7	23.6	21.5	22.5	28.2	23.3	25.6	26.3	25.0	25.6	26.8	23.3	24.9
8	25.5	22.9	23.8	28.6	24.2	26.3	26.9	26.0	26.4	25.7	23.8	24.7
9	23.8	21.5	22.6	28.4	25.0	26.3	27.3	25.9	26.7	26.4	23.3	24.8
10	23.2	22.2	22.7	28.4	25.3	26.6	28.0	26.6	27.3	26.3	23.3	24.8
11	23.3	20.9	22.1	28.9	25.8	27.2	28.5	27.3	27.9	26.2	23.2	24.7
12	23.2	22.1	22.5	28.6	26.2	27.3	28.6	26.8	27.8	25.5	23.7	24.6
13	23.1	21.2	22.1	28.5	26.1	27.0	26.9	23.5	25.2	24.6	23.3	23.9
14	22.8	21.0	21.9	28.2	26.2	26.9	23.6	22.5	23.1	23.8	21.9	23.0
15	22.7	21.0	21.9	---	26.5	---	22.8	21.7	22.2	22.7	18.3	20.3
16	24.1	21.5	22.6	28.2	26.4	27.1	24.7	21.8	23.0	20.0	17.6	18.6
17	25.6	22.8	23.8	28.3	27.0	27.6	26.0	22.8	24.1	21.1	17.9	19.4
18	26.1	22.1	23.8	28.8	27.1	27.9	28.2	24.4	25.6	22.6	19.4	20.6
19	26.5	21.8	23.8	28.7	25.8	26.7	28.0	24.6	26.5	24.2	21.4	22.8
20	27.1	22.2	24.4	29.6	25.7	27.1	---	---	---	25.5	22.6	23.8
21	---	23.0	---	29.4	27.3	28.2	---	---	---	25.5	22.4	23.9
22	28.7	---	---	29.4	27.8	28.6	---	---	---	25.6	23.0	24.2
23	28.9	24.2	26.5	29.7	28.3	29.1	23.9	23.0	23.6	24.1	20.8	22.1
24	29.6	25.1	27.2	30.1	28.6	29.3	23.8	22.5	23.1	23.1	22.0	22.6
25	30.2	25.8	27.9	30.4	28.6	29.4	24.1	22.4	23.4	24.1	22.7	23.3
26	30.3	26.1	28.1	30.1	25.9	28.4	24.3	22.0	23.4	23.6	22.1	23.0
27	30.5	26.4	28.4	27.6	24.5	26.0	24.6	22.7	23.7	22.5	20.5	21.4
28	29.2	26.5	27.1	26.9	22.6	24.6	24.9	23.7	24.3	20.5	18.7	19.9
29	28.9	25.3	27.0	26.1	23.3	24.5	25.3	23.5	24.2	19.1	16.8	17.9
30	28.0	24.3	25.8	26.0	23.9	24.8	25.3	23.0	24.0	18.2	15.6	16.9
31	---	---	---	25.9	24.4	25.1	25.9	22.7	24.0	---	---	---
MONTH	30.5	18.7	23.9	30.4	22.5	26.5	29.2	21.7	25.1	26.8	15.6	22.7
YEAR	30.5	-0.1	14.9									

06892495 CEDAR CREEK NEAR DESOTO, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	9.8	7.1	8.1	6.4	4.6	5.4	13.6	12.0	12.6	---	8.8	---
2	11.1	7.4	9.0	7.7	6.4	7.2	13.9	12.3	12.9	11.7	8.2	9.6
3	10.8	7.9	9.3	8.6	7.3	7.8	14.4	12.4	13.1	10.8	8.9	10.0
4	11.3	7.7	9.5	8.9	7.9	8.7	14.9	12.3	13.3	11.1	10.6	10.8
5	12.1	8.2	10.1	9.2	8.6	8.9	13.9	12.0	12.7	11.2	10.9	11.1
6	12.0	8.4	10.1	9.5	8.5	9.0	12.0	11.4	11.6	11.6	11.0	11.3
7	11.5	8.1	9.1	9.8	8.4	8.9	12.1	11.0	11.5	11.6	---	---
8	10.1	7.5	8.8	10.1	8.3	8.9	13.4	11.6	12.2	---	---	---
9	7.5	6.7	7.0	10.3	8.5	9.1	13.2	11.8	12.4	11.6	---	---
10	8.8	6.8	7.6	10.9	8.5	9.3	13.2	11.7	12.3	11.3	---	---
11	9.1	7.0	7.9	9.3	8.4	8.8	15.5	11.7	13.0	11.8	11.2	11.5
12	8.8	7.6	8.2	10.3	8.4	9.2	16.5	12.3	13.8	11.9	11.6	11.7
13	10.1	8.3	9.1	11.9	9.2	10.3	16.4	12.2	13.8	13.2	11.7	12.5
14	11.2	8.9	9.6	12.4	9.9	10.8	16.1	12.7	13.9	14.4	13.0	13.7
15	11.4	8.8	9.7	12.2	9.9	10.8	15.2	12.5	13.7	14.9	13.9	14.4
16	11.8	8.9	10.1	12.6	9.4	10.5	16.1	11.8	13.9	15.3	14.2	14.7
17	11.9	8.7	10.1	12.8	9.1	10.2	16.1	12.0	14.0	15.4	14.3	14.8
18	10.8	8.3	9.4	10.4	8.1	9.1	15.7	12.3	13.9	15.3	14.0	14.6
19	11.5	8.2	9.6	9.8	7.8	8.6	14.2	11.4	12.7	14.8	---	---
20	10.1	8.0	9.2	12.2	7.8	9.3	14.5	11.3	12.8	---	---	---
21	10.2	7.7	8.9	11.1	8.0	9.3	15.5	12.0	13.3	---	---	---
22	9.1	7.3	8.2	11.4	8.1	9.4	16.6	12.3	13.8	---	---	---
23	9.8	6.7	7.9	11.0	8.5	9.6	17.5	12.3	14.3	---	---	---
24	10.0	6.7	8.0	11.4	9.4	10.5	17.8	12.8	14.8	---	---	---
25	9.5	6.3	7.7	11.8	11.1	11.5	18.0	12.9	14.8	15.2	---	---
26	8.2	6.0	6.9	11.8	10.5	11.0	18.0	12.9	14.8	15.0	12.5	13.3
27	7.2	5.8	6.4	10.7	10.1	10.4	17.5	12.8	---	15.5	12.2	13.4
28	7.4	5.4	6.2	11.5	10.5	11.0	17.0	12.6	14.2	16.1	12.4	13.7
29	7.0	4.9	5.8	11.6	11.0	11.3	16.8	12.3	13.9	16.3	12.6	14.1
30	7.1	4.9	5.8	12.6	11.1	11.8	15.4	11.5	13.1	16.0	12.5	13.7
31	7.4	4.8	5.8	---	---	---	15.0	10.9	---	15.1	11.9	13.2
MONTH	12.1	4.8	8.4	12.8	4.6	9.6	18.0	10.9	13.3	16.3	8.2	12.7

06892495 CEDAR CREEK NEAR DESOTO, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	15.9	11.9	13.3	16.5	11.2	13.3	12.6	7.9	9.7	15.0	7.7	11.1
2	15.7	12.3	13.4	16.0	11.2	13.1	14.0	8.3	10.5	15.1	7.8	11.2
3	16.6	12.3	13.9	15.6	10.4	12.5	14.4	8.3	10.4	15.6	8.2	11.4
4	17.2	12.6	14.2	15.6	9.9	12.0	14.5	7.6	10.0	14.9	7.4	10.9
5	17.0	12.2	13.9	15.2	9.8	11.6	11.3	7.3	9.0	14.6	6.6	10.5
6	13.6	10.7	12.0	13.9	9.6	11.1	12.4	7.0	8.7	14.6	6.3	10.1
7	12.0	10.6	11.5	12.3	9.2	10.4	10.9	6.7	8.1	13.0	5.4	9.0
8	13.1	11.9	12.4	13.4	9.4	10.8	15.1	7.1	10.0	9.8	4.9	7.5
9	14.3	12.6	13.5	15.6	9.7	11.9	14.2	6.5	9.8	12.6	4.9	7.9
10	14.7	13.0	13.9	16.4	10.6	13.0	15.4	6.9	10.2	12.0	3.8	7.1
11	14.5	12.8	13.8	16.8	11.1	13.3	11.1	6.8	8.2	8.7	3.3	5.5
12	14.0	11.8	12.5	16.4	10.9	12.8	8.4	6.1	7.3	12.1	3.4	6.6
13	11.8	11.2	11.5	15.8	10.7	12.5	10.0	6.1	7.4	8.6	5.6	7.5
14	12.0	11.2	11.6	15.9	10.6	12.5	10.7	6.6	8.2	9.3	8.2	8.7
15	11.9	10.6	11.3	15.5	10.1	12.2	12.6	7.4	9.3	9.2	8.0	8.6
16	12.7	11.0	11.9	15.4	10.0	12.0	13.8	7.4	9.6	9.4	7.9	8.5
17	13.1	11.6	12.4	15.0	9.4	11.8	14.1	7.2	9.7	9.4	7.5	8.3
18	13.4	11.4	12.3	13.9	9.4	11.2	12.3	6.8	8.9	8.2	6.4	7.5
19	12.0	10.5	11.2	14.6	9.4	11.4	11.6	6.0	8.0	9.5	6.2	7.3
20	12.1	10.1	11.0	15.3	9.0	11.4	10.7	5.1	7.3	9.9	5.9	7.2
21	11.6	10.2	10.8	12.7	8.2	10.1	10.8	5.4	7.2	10.1	5.8	7.2
22	13.8	10.6	11.9	10.4	9.1	9.7	10.3	4.4	6.8	10.3	5.4	7.0
23	14.1	11.2	12.5	11.3	9.0	9.9	12.9	5.1	8.1	10.4	5.2	6.9
24	15.1	11.2	12.7	10.1	9.2	9.6	14.0	5.6	8.8	10.4	4.6	6.8
25	16.1	11.4	13.1	10.7	9.3	9.8	10.8	5.5	7.9	9.9	4.8	7.0
26	15.5	10.4	12.5	11.4	9.2	10.1	13.8	6.6	9.6	11.4	4.8	7.4
27	14.5	10.3	11.9	12.6	9.7	10.8	13.5	7.4	10.1	9.3	4.9	6.8
28	14.8	10.4	12.1	12.6	9.6	10.8	13.1	7.1	9.7	9.8	5.2	7.1
29	---	---	---	12.0	8.6	10	13.7	7.5	9.9	9.3	4.6	6.8
30	---	---	---	11.0	7.7	8.9	14.3	8.4	11.1	11.0	5.1	7.6
31	---	---	---	11.6	7.5	9.1	---	---	---	8.9	5.2	7.0
MONTH	17.2	10.1	12.5	16.8	7.5	11.3	15.4	4.4	9.0	15.6	3.3	8.1

06892495 CEDAR CREEK NEAR DESOTO, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.5	5.7	6.5	9.7	5.3	7.2	4.9	3.3	3.9	8.3	6.6	7.1
2	6.6	5.6	6.2	10.2	5.7	7.5	4.5	3.2	3.9	8.6	6.6	7.4
3	8.1	5.4	6.7	10.0	5.2	7.1	5.3	3.5	4.4	9.7	6.7	7.7
4	---	---	---	7.6	6.4	7.0	6.6	3.3	4.8	9.9	6.4	7.6
5	---	---	---	8.0	6.7	7.2	7.3	4.5	5.9	10.3	6.3	7.7
6	8.1	7.7	7.9	8.9	6.5	7.4	7.0	5.4	6.0	10.8	6.1	7.7
7	8.0	7.5	7.8	9.4	6.1	7.3	6.9	5.2	5.9	11.6	5.9	8.0
8	8.9	7.5	8.0	9.8	5.7	7.2	6.5	5.0	5.7	10.9	5.8	7.6
9	8.0	7.3	7.7	8.3	5.4	6.6	7.7	5.4	6.5	11.3	6.1	7.8
10	8.3	7.5	7.8	7.8	5.0	6.3	7.3	4.5	6.0	11.2	6.3	8.1
11	8.2	7.6	7.9	9.9	4.8	7.1	6.8	3.9	5.4	11.6	6.2	8.3
12	8.0	7.3	7.7	10.8	5.2	8.1	6.7	4.4	5.4	10.9	5.9	7.8
13	8.3	7.5	8.0	11.0	5.3	8.4	6.4	5.4	5.8	8.6	5.6	6.6
14	8.3	7.5	7.9	10.1	5.2	7.9	6.6	6.2	6.4	9.3	5.4	7.0
15	7.9	7.4	7.6	---	4.8	---	6.5	6.1	6.3	7.3	6.0	6.8
16	7.7	7.2	7.4	8.8	4.3	6.5	6.5	5.8	6.1	7.9	6.6	7.1
17	7.8	7.0	7.3	7.6	4.1	5.7	6.9	5.5	6.0	9.0	6.7	7.5
18	8.5	7.0	7.5	8.3	3.8	5.7	6.0	5.3	5.6	9.0	6.7	7.3
19	9.7	7.0	7.9	7.9	3.9	5.9	6.9	5.0	5.7	7.8	5.9	6.7
20	10.9	6.9	8.3	7.6	4.2	6.0	---	---	---	7.8	5.7	6.3
21	---	6.9	---	5.9	3.6	4.5	---	---	---	7.9	5.5	6.4
22	13.1	---	---	5.4	3.1	4.3	---	---	---	7.9	5.5	6.3
23	14.5	6.8	9.7	6.0	3.3	4.4	7.3	6.6	7.0	7.5	5.9	7.1
24	15.8	6.4	10.1	5.6	3.4	4.4	7.7	6.5	7.0	7.9	7.2	7.5
25	16.0	6.2	10.1	6.6	3.7	5.0	7.4	6.8	7.2	7.9	7.1	7.4
26	16.5	5.8	10.2	6.2	3.3	4.7	7.5	6.9	7.3	8.1	7.2	7.5
27	16.2	5.6	10.0	7.5	5.2	6.1	7.7	7.2	7.4	8.7	7.5	8.0
28	10.0	5.4	7.5	7.1	5.1	5.8	7.7	6.9	7.3	8.7	7.9	8.2
29	12.4	5.2	8.4	5.7	3.7	4.9	8.0	7.0	7.4	9.7	8.2	8.8
30	8.1	5.0	6.3	5.2	3.9	4.6	8.9	7.0	7.5	10.6	8.9	9.6
31	---	---	---	5.1	3.8	4.4	8.6	6.7	7.4	---	---	---
MONTH	16.5	5.0	8.0	11.0	3.1	6.2	8.9	3.2	6.1	11.6	5.4	7.5
YEAR	18.0	3.1	9.3									

06892495 CEDAR CREEK NEAR DESOTO, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	11	6.0	7.8	60	8.0	14	4.0	2.0	2.5	---	---	---
2	8.0	3.0	5.3	34	16	23	8.0	2.0	3.8	8.0	5.0	6.2
3	8.0	4.0	5.9	18	10	14	3.0	<2.0	<2.0	1,530	8.0	---
4	9.0	4.0	6.4	120	12	45	2.0	<2.0	<2.0	280	21	---
5	7.0	3.0	4.5	26	13	18	69	<2.0	8.9	1,510	35	160
6	7.0	4.0	5.0	16	9.2	12	220	22	62	35	13	18
7	23	3.0	8.3	11	7.5	9.0	22	12	17	---	---	---
8	33	15	19	12	4.9	7.6	13	7.0	9.1	---	---	---
9	94	33	73	9.1	4.0	6.2	8.0	6.0	6.9	---	9.0	---
10	60	24	40	8.0	3.8	5.6	7.0	4.0	5.2	22	---	---
11	25	15	18	32	6.0	14	5.0	<2.0	2.5	17	9.0	12
12	20	14	16	34	9.0	17	3.0	<2.0	<2.0	20	9.0	13
13	19	12	15	10	5.0	7.1	3.0	2.0	2.1	38	15	26
14	15	12	13	5.0	3.0	3.5	3.0	<2.0	<2.0	17	9.0	12
15	14	8.0	11	4.0	3.0	3.3	4.0	<2.0	<2.0	10	6.0	7.4
16	11	8.0	9.1	9.0	4.0	5.7	6.0	<2.0	<2.0	8.0	5.0	5.5
17	11	8.0	9.3	10	6.0	7.8	12	<2.0	6.1	5.0	4.0	4.4
18	11	8.0	8.9	13	9.0	11	4.0	<2.0	<2.0	7.0	3.0	4.3
19	10	6.0	8.0	11	8.0	9.5	6.0	<2.0	2.4	5.0	3.0	4.0
20	9.0	5.0	7.0	9.0	5.0	6.7	4.0	<2.0	2.1	8.0	3.0	4.8
21	10	6.0	7.4	9.0	5.0	6.8	2.0	<2.0	<2.0	11	5.0	7.5
22	12	8.0	9.4	10	7.0	8.0	2.0	<2.0	<2.0	12	9.0	9.9
23	12	8.0	9.8	11	7.0	7.9	3.0	<2.0	<2.0	10	6.0	7.6
24	11	7.0	8.7	42	7.0	16	3.0	2.0	2.5	9.0	5.0	6.7
25	12	7.0	8.9	25	12	19	3.0	2.0	2.2	10	5.0	5.6
26	13	8.0	11	33	13	24	3.0	2.0	2.2	8.0	5.0	6.1
27	22	12	16	43	19	27	2.0	2.0	2.0	7.0	6.0	6.5
28	19	13	16	24	9.0	14	6.0	<2.0	2.6	7.0	4.0	4.9
29	21	9.0	13	10	5.0	7.4	2.0	<2.0	<2.0	6.0	4.0	4.3
30	12	8.0	9.6	6.0	3.0	4.3	6.0	<2.0	<2.0	9.0	5.0	6.1
31	11	7.0	8.7	---	---	---	4.0	<2.0	2.5	9.0	5.0	6.1
MONTH	94	3.0	13	120	3.0	12	220	<2.0	5.4	1,530	3.0	15

06892495 CEDAR CREEK NEAR DESOTO, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU—CONTINUED

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	8.0	4.0	5.7	8.0	3.0	4.9	11	7.0	8.8	7.0	2.0	3.8
2	8.0	5.0	6.3	4.0	3.0	3.2	13	7.0	10	7.0	2.0	3.5
3	8.0	4.0	4.9	6.0	3.0	3.8	12	7.0	9.8	8.0	3.0	4.6
4	8.0	3.0	4.6	8.0	5.0	6.1	10	5.0	7.5	11	2.0	5.2
5	9.0	4.0	6.0	10	7.0	8.2	10	5.0	6.7	10	2.0	6.2
6	76	6.0	25	13	8.0	10	7.0	4.0	5.1	10	2.0	6.0
7	190	27	73	22	10	13	8.0	4.0	5.4	12	2.0	6.5
8	28	9.0	17	20	13	16	7.0	3.0	4.3	11	2.0	4.7
9	10	6.0	7.4	19	10	15	5.0	3.0	4.3	11	2.0	5.5
10	7.0	4.0	5.7	16	5.0	8.6	6.0	3.0	3.9	9.0	<2.0	4.3
11	8.0	5.0	5.7	8.0	5.0	5.6	23	2.0	7.0	9.0	<2.0	3.8
12	88	7.0	19	11	6.0	8.1	14	7.0	9.4	39	2.0	5.0
13	410	63	210	14	9.0	11	10	7.0	8.1	340	19	120
14	64	25	40	15	8.0	11	11	5.0	7.4	56	13	22
15	27	17	21	11	6.0	8.4	8.0	3.0	5.4	15	11	12
16	19	12	15	9.0	5.0	7.2	8.0	3.0	4.8	14	9.0	11
17	14	10	12	9.0	6.0	7.2	8.0	3.0	4.9	15	7.0	11
18	13	7.0	10	11	7.0	8.5	9.0	3.0	6.0	16	8.0	11
19	11	7.0	8.8	9.0	5.0	7.2	---	---	---	14	5.0	10
20	13	9.0	11	8.0	6.0	6.8	---	---	---	13	6.1	9.3
21	14	10	12	---	7.0	---	18	<2.0	7.3	14	5.1	8.8
22	11	8.0	9.8	16	---	---	26	4.0	12	12	4.1	7.8
23	9.0	7.0	8.3	16	9.0	12	18	4.0	8.8	13	5.1	8.0
24	8.0	6.0	7.3	16	11	13	19	3.0	7.0	11	5.1	6.9
25	8.0	6.0	6.6	11	7.0	8.5	13	2.0	5.0	12	5.1	7.7
26	11	6.0	7.5	9.0	6.0	7.2	9.0	<2.0	3.3	11	5.1	7.2
27	10	8.0	8.8	9.0	6.0	6.6	5.0	<2.0	2.3	11	5.1	8.5
28	10	7.0	8.7	10	6.0	8.0	5.0	2.0	3.1	11	5.2	8.4
29	---	---	---	13	8.0	11	10	<2.0	2.8	13	5.2	8.6
30	---	---	---	13	8.0	10	6.0	2.0	2.8	10	5.2	8.1
31	---	---	---	11	6.0	8.1	---	---	---	11	6.2	8.6
MONTH	410	3.0	21	22	3.0	8.8	26	2.0	6.2	340	<2.0	11

06892495 CEDAR CREEK NEAR DESOTO, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU—CONTINUED

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	68	7.2	20	17	7.0	11	25	9.0	17	9.8	4.3	5.6
2	60	34	47	14	6.0	9.7	21	11	15	7.6	3.6	5.2
3	1,180	28	260	15	6.0	11	20	10	14	6.9	<2.0	3.7
4	1,840	---	---	140	13	69	24	9.0	15	7.9	<2.0	3.1
5	---	---	---	120	24	61	28	11	17	6.3	<2.0	2.7
6	62	24	40	32	16	23	29	12	18	7.0	<2.0	2.6
7	27	16	20	29	12	19	20	10	15	5.0	<2.0	2.2
8	150	13	21	26	11	18	18	8.4	13	5.4	<2.0	2.0
9	670	33	150	26	10	16	20	8.4	15	4.9	<2.0	1.8
10	43	24	32	20	9.0	14	20	9.2	15	4.9	<2.0	2.2
11	700	22	170	22	9.0	14	29	8.0	14	4.0	<2.0	1.8
12	1,220	36	160	21	10	14	120	8.0	22	5.1	<2.0	2.1
13	320	46	78	27	9.0	15	460	25	140	4.0	<2.0	2.8
14	100	28	43	24	9.0	15	420	60	200	6.4	<2.0	3.1
15	32	21	26	28	---	---	73	58	66	150	<2.0	39
16	24	16	21	18	7.0	13	65	30	48	180	19	73
17	35	14	18	18	8.0	12	36	17	27	20	11	15
18	20	12	15	21	11	15	31	13	22	19	12	16
19	19	9.0	13	21	10	14	160	13	28	27	10	15
20	19	6.0	10	24	9.0	14	---	---	---	21	10	15
21	---	---	---	17	6.0	12	---	---	---	17	7.0	12
22	---	3.0	---	20	8.0	13	---	---	---	16	5.0	10
23	10	3.0	6.0	17	8.0	11	16	8.7	12	600	7.0	170
24	10	3.0	5.8	15	7.0	11	15	8.0	10	60	14	27
25	10	3.0	5.5	16	7.0	12	880	9.3	130	17	8.0	13
26	10	3.0	5.5	22	10	15	1,030	29	160	14	7.0	10
27	12	4.0	6.2	97	13	27	58	16	33	14	8.0	9.8
28	9.0	5.0	6.7	26	10	17	18	10	14	14	6.0	9.0
29	14	5.0	8.9	25	9.0	17	14	8.9	11	13	5.0	7.1
30	18	5.0	10	25	9.0	17	13	5.2	8.4	9.0	4.0	5.7
31	---	---	---	23	9.0	17	9.8	4.5	5.8	---	---	---
MONTH	1,840	3.0	46	140	6.0	18	1,030	4.5	39	600	<2.0	16
YEAR	1,840	<2.0	17									

< Actual value is known to be less than the value shown

06892513 MILL CREEK AT JOHNSON DRIVE, SHAWNEE, KS

LOCATION.--Lat 39°01'45", long 94°49'02", in SE ¼ SE ¼ SE ¼ sec.2, T.12 S., R.23 E., Johnson County, Hydrologic Unit 10270104, on right upstream bank of Johnson Drive and at mile 1.9.

WATER-DISCHARGE RECORDS

DRAINAGE AREA.--58.1 mi^2.

PERIOD OF RECORD.--October 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is NAVD of 1988.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

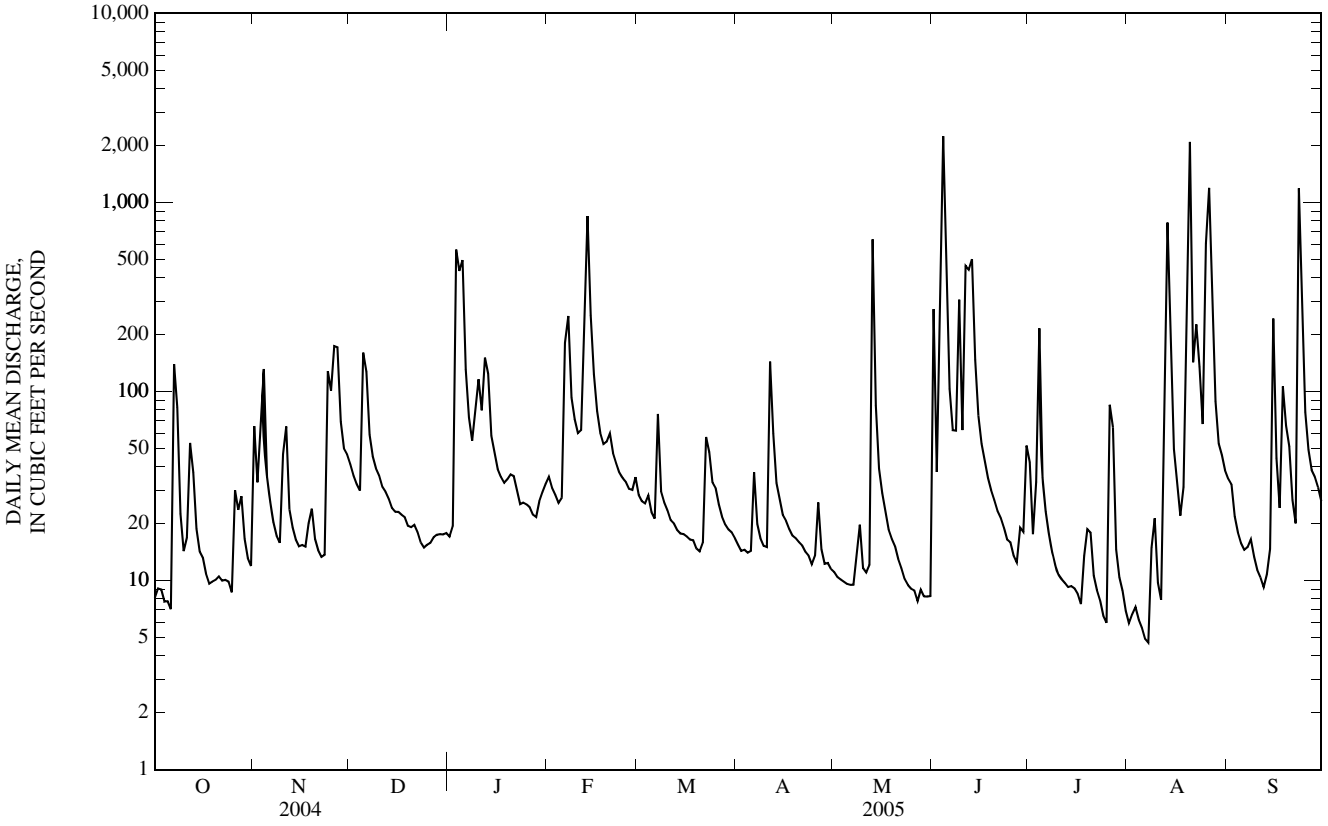
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.1	66	41	17	35	28	15	11	272	42	5.9	34
2	9.1	33	36	19	31	26	14	10	37	18	6.6	32
3	9.0	71	32	563	28	26	15	10	430	33	7.2	22
4	7.8	132	30	434	26	28	14	9.9	2,240	216	6.2	18
5	7.8	35	160	495	27	23	14	9.6	312	35	5.6	16
6	7.1	26	127	131	181	21	37	9.5	103	23	4.9	15
7	140	20	59	73	251	76	20	9.5	62	18	4.7	15
8	83	17	45	55	93	30	17	14	62	14	15	16
9	23	16	39	80	71	26	15	20	306	12	21	13
10	14	47	36	116	60	24	15	12	62	11	9.7	11
11	17	65	31	79	63	21	144	11	462	10	7.9	10
12	54	24	30	151	163	20	60	12	441	9.7	69	9.2
13	37	19	27	124	847	19	33	637	500	9.2	782	11
14	19	16	24	58	252	18	27	84	147	9.4	272	15
15	14	15	23	47	123	18	22	39	74	9.1	50	243
16	13	15	23	39	79	17	21	29	53	8.5	32	44
17	11	15	22	35	60	16	19	23	43	7.5	22	24
18	9.6	20	22	33	53	16	17	19	35	13	31	106
19	9.9	24	20	34	54	15	17	17	30	19	215	66
20	10	17	19	36	60	14	16	15	27	18	2,090	51
21	11	14	20	36	47	16	15	13	23	11	143	27
22	10	13	18	30	42	57	14	12	21	8.9	227	20
23	10	14	16	25	37	48	14	10	19	7.8	135	1,190
24	9.9	128	15	26	35	33	12	9.5	16	6.5	67	224
25	8.7	101	15	25	33	31	14	9.1	16	6.0	607	78
26	30	174	16	24	31	25	26	8.9	14	85	1,190	49
27	24	171	17	22	30	22	15	7.8	13	65	232	38
28	28	69	17	22	35	20	12	9.0	19	15	89	35
29	17	50	18	26	---	19	12	8.2	18	10	53	31
30	13	46	18	29	---	18	12	8.2	52	8.8	46	26
31	12	---	18	33	---	17	---	8.3	---	6.9	38	---
MEAN	21.8	49.1	33.4	94.1	102	25.4	23.3	35.7	197	24.7	209	83.0
MAX	140	174	160	563	847	76	144	637	2,240	216	2,090	1,190
MIN	7.1	13	15	17	26	14	12	7.8	13	6.0	4.7	9.2
AC-FT	1,340	2,920	2,050	5,790	5,650	1,560	1,380	2,190	11,720	1,520	12,860	4,940

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	16.4	22.1	24.0	38.9	47.4	47.6	31.0	44.5	98.0	57.0	140	46.8
MAX	21.8	49.1	34.6	94.1	102	99.4	45.2	76.4	197	139	209	83.0
(WY)	(2005)	(2005)	(2004)	(2005)	(2005)	(2004)	(2003)	(2004)	(2005)	(2004)	(2005)	(2005)
MIN	9.83	8.29	3.99	4.35	13.8	17.9	23.3	21.3	42.2	7.31	92.6	22.0
(WY)	(2004)	(2004)	(2003)	(2003)	(2003)	(2003)	(2005)	(2003)	(2004)	(2003)	(2003)	(2004)

06892513 MILL CREEK AT JOHNSON DRIVE, SHAWNEE, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2003 - 2005	
ANNUAL MEAN	56.4		74.5		51.2	
HIGHEST ANNUAL MEAN					74.5	2005
LOWEST ANNUAL MEAN					26.9	2003
HIGHEST DAILY MEAN	2,160	Aug 28	2,240	Jun 4	2,310	Aug 31, 2003
LOWEST DAILY MEAN	6.3	Aug 18	4.7	Aug 7	1.7	Aug 25, 2003
ANNUAL SEVEN-DAY MINIMUM	7.6	Aug 12	5.9	Aug 1	1.9	Aug 21, 2003
MAXIMUM PEAK FLOW			8,290	Aug 20	9,700	Aug 28, 2004
MAXIMUM PEAK STAGE			63.44	Aug 20	64.90	Aug 28, 2004
INSTANTANEOUS LOW FLOW			4.3	Aug 7	1.6	Oct 2, 2002
ANNUAL RUNOFF (AC-FT)	40,970		53,930		37,090	
10 PERCENT EXCEEDS	88		141		77	
50 PERCENT EXCEEDS	20		23		16	
90 PERCENT EXCEEDS	10		9.5		4.4	



06892513 MILL CREEK AT JOHNSON DRIVE, SHAWNEE, KS—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 2002 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 2002 to current year.
pH: October 2002 to current year.
WATER TEMPERATURE: October 2002 to current year.
DISSOLVED OXYGEN: October 2002 to current year.
TURBIDITY (YSI 6136 sensor): October 2002 to current year.

INSTRUMENTATION.--Multiparameter water-quality monitor.

REMARKS.--Records good. Interruptions in record are due to ice conditions, malfunction of the recording instrument or sensors, or during days of no streamflow. Instruments used to measure turbidity conform to ISO 7027 standards and were made using Yellow Springs International (YSI) 6136 sensor.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 4,540 microsiemens/cm, Feb. 4, 2004; minimum, 155 microsiemens/cm, Aug. 28, 2004.
pH: Maximum, 9.1 standard units, July 18, 2003; minimum, 7.4 standard units, June 27, 2003.
WATER TEMPERATURE: Maximum, 32.8°C, July 20, 2003; minimum, 0.0°C, Feb. 2, 2004.
DISSOLVED OXYGEN: Maximum, 24.0 mg/L, Jan. 31, 2004; minimum, 1.8 mg/L, Aug. 28, 2003.
TURBIDITY (YSI 6136 sensor): Maximum, 1,970 FNU, May 10, 2004; minimum, <2.0 FNU, Apr. 30, 2003.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 2,270 microsiemens/cm, Feb. 11; minimum, 242 microsiemens/cm, Aug. 26.
pH: Maximum, 8.7 standard units, July 20; minimum, 7.4 standard units, Apr. 12.
WATER TEMPERATURE: Maximum, 30.5°C, July 25; minimum, 0.1°C, Jan. 15.
DISSOLVED OXYGEN: Maximum, 22.7 mg/L, July 20; minimum, 2.9 mg/L, July 19.
TURBIDITY (YSI 6136 sensor): Maximum, >1,260 FNU, Sept. 23; minimum, <2.0 FNU, May 31.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	898	868	882	1,060	801	910	974	905	925	965	953	960
2	930	896	915	801	632	678	1,150	974	1,060	978	956	963
3	956	930	943	688	619	635	1,200	1,150	1,170	987	422	654
4	971	956	966	712	458	515	1,200	1,130	1,170	720	564	623
5	981	969	976	608	517	554	1,130	759	1,050	882	664	773
6	991	978	984	718	608	670	759	641	663	1,000	882	946
7	1,000	497	898	771	702	723	788	689	742	1,040	1,000	1,020
8	497	379	401	866	771	828	866	788	825	1,160	1,040	1,130
9	504	425	469	929	866	896	890	866	878	1,310	1,160	1,200
10	554	504	527	971	905	926	910	890	902	1,610	1,300	1,500
11	625	554	583	1,080	506	706	928	909	919	1,520	1,380	1,420
12	845	625	769	587	479	519	945	928	935	1,460	1,350	1,380
13	743	626	661	667	587	629	950	942	946	1,540	1,330	1,450
14	701	670	691	788	667	737	950	944	947	1,330	1,290	1,300
15	713	701	707	878	788	828	958	948	955	1,300	1,290	1,300
16	717	696	702	954	878	904	956	947	952	1,290	1,280	1,290
17	779	717	745	1,030	954	1,010	950	938	944	1,290	1,280	1,280
18	832	779	809	1,040	1,010	1,020	941	934	938	1,280	1,260	1,270
19	917	832	877	1,120	1,040	1,090	950	939	943	1,260	1,210	1,240
20	1,020	917	974	1,110	1,090	1,100	972	950	962	1,230	1,190	1,210
21	1,100	1,020	1,080	1,120	1,020	1,080	981	972	978	1,190	1,180	1,180
22	1,100	1,040	1,070	1,020	998	1,010	1,010	981	996	1,190	1,180	1,190
23	1,070	1,030	1,060	1,060	1,020	1,040	1,050	1,010	1,040	1,200	1,190	1,190
24	1,100	1,070	1,080	1,150	548	888	1,080	1,050	1,070	1,230	1,200	1,210
25	1,140	1,100	1,130	1,080	625	914	1,090	1,080	1,080	1,240	1,220	1,240
26	1,200	1,060	1,140	943	741	874	1,100	1,080	1,100	1,240	1,220	1,230
27	1,250	1,120	1,220	955	706	805	1,120	1,100	1,110	1,220	1,220	1,220
28	1,240	810	1,010	814	760	785	1,140	1,110	1,120	1,220	1,220	1,220
29	834	795	820	844	814	834	1,120	1,080	1,100	1,250	1,220	1,240
30	804	774	785	905	844	860	1,080	989	1,030	1,330	1,240	1,280
31	820	804	815	---	---	---	990	963	981	1,350	1,300	1,310
MONTH	1,250	379	861	1,150	458	832	1,200	641	982	1,610	422	1,170

06892513 MILL CREEK AT JOHNSON DRIVE, SHAWNEE, KS—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1,820	1,350	1,650	969	948	959	949	945	947	944	928	937
2	1,920	1,700	1,770	971	944	958	957	947	950	929	914	919
3	1,970	1,700	1,870	959	917	939	962	949	955	930	917	925
4	1,700	1,530	1,600	962	924	943	983	962	971	948	928	940
5	1,530	1,390	1,460	964	940	953	1,010	983	995	960	948	956
6	1,390	961	1,280	945	928	937	1,010	941	969	974	958	969
7	961	847	881	966	730	872	1,020	946	965	980	960	971
8	1,000	874	939	812	732	780	1,020	906	964	967	935	954
9	1,180	984	1,050	860	809	834	928	842	878	942	915	934
10	1,800	1,150	1,390	917	860	887	888	844	862	928	911	920
11	2,270	1,800	2,050	971	917	942	915	610	760	983	915	939
12	1,870	1,230	1,600	987	971	981	747	627	692	1,030	781	995
13	1,380	647	755	1,030	985	1,010	805	747	771	915	426	508
14	841	703	789	1,020	978	993	850	805	824	658	505	584
15	913	841	879	979	967	972	906	850	873	740	658	701
16	941	913	930	969	954	963	934	906	921	801	737	769
17	960	928	945	957	940	948	933	917	924	867	---	---
18	971	946	958	946	937	942	918	897	911	892	867	882
19	976	957	963	953	943	947	929	918	924	912	890	901
20	1,040	976	999	961	952	957	959	928	941	931	909	921
21	1,030	978	1,000	958	915	949	958	933	948	952	931	939
22	978	959	968	998	923	967	934	928	930	956	950	954
23	969	950	957	998	855	891	931	923	926	957	947	952
24	950	940	943	869	818	835	934	922	931	956	917	944
25	949	940	943	961	837	902	934	883	923	979	932	968
26	953	943	948	985	961	973	950	895	925	980	923	969
27	953	926	939	964	924	941	958	937	948	975	959	968
28	948	925	935	926	914	921	984	944	954	959	919	952
29	---	---	---	936	925	931	999	958	984	948	913	941
30	---	---	---	942	936	939	958	923	936	951	924	942
31	---	---	---	949	940	944	---	---	---	940	813	924
MONTH	2,270	647	1,160	1,030	730	933	1,020	610	913	1,030	426	903

06892513 MILL CREEK AT JOHNSON DRIVE, SHAWNEE, KS—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	911	362	517	728	643	695	627	598	619	879	812	826
2	505	387	457	686	558	612	668	626	649	967	879	908
3	539	318	444	614	558	568	711	668	686	967	791	873
4	475	279	370	700	336	423	794	711	758	794	734	772
5	542	475	510	526	432	481	858	775	808	837	794	820
6	634	542	591	575	526	548	866	819	845	837	826	832
7	667	634	645	626	575	598	913	866	901	837	827	831
8	715	613	689	660	626	640	1,130	912	965	882	837	859
9	613	433	503	683	660	670	1,330	1,130	1,250	886	862	875
10	655	544	---	703	683	695	1,150	984	1,050	864	849	856
11	703	396	507	722	702	716	987	866	926	883	859	875
12	591	406	506	738	719	731	868	646	793	899	878	889
13	544	405	488	752	726	742	748	305	383	900	836	892
14	660	544	607	774	729	758	483	381	438	914	835	892
15	729	660	697	789	752	773	593	483	544	874	360	542
16	776	729	755	812	765	797	699	593	643	491	386	444
17	800	775	784	802	775	794	764	699	732	563	491	527
18	808	791	802	775	682	736	810	761	786	609	459	541
19	823	797	812	742	627	675	---	---	---	648	494	593
20	837	805	827	833	662	789	---	---	---	554	497	540
21	845	823	835	854	826	841	---	---	---	580	538	552
22	840	814	828	859	832	847	---	---	---	660	580	619
23	831	777	806	832	796	808	566	---	---	665	270	423
24	777	698	745	797	758	778	696	566	625	653	485	583
25	718	672	698	759	714	740	714	312	456	723	653	693
26	691	655	676	789	522	716	534	242	402	764	710	740
27	690	664	679	656	359	391	618	464	555	771	763	766
28	767	672	702	436	374	402	697	618	659	791	766	776
29	809	731	776	493	436	466	760	697	730	845	790	814
30	815	587	724	550	493	524	812	760	788	925	845	894
31	---	---	---	598	550	582	823	783	800	---	---	---
MONTH	911	279	654	859	336	662	1,330	242	723	967	270	735
YEAR	2,270	242	879									

06892513 MILL CREEK AT JOHNSON DRIVE, SHAWNEE, KS—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.0	7.8	7.9	7.9	7.6	7.8	8.1	8.0	8.0	8.3	8.1	8.3
2	8.0	7.9	8.0	7.8	7.7	7.8	8.1	8.0	8.1	8.2	8.0	8.1
3	8.2	7.9	8.0	8.0	7.7	7.8	8.1	8.0	8.1	8.1	7.8	7.9
4	8.1	7.9	8.0	8.0	7.8	7.8	8.2	8.0	8.1	7.9	7.8	7.9
5	8.0	7.9	8.0	7.9	7.8	7.9	8.1	7.9	8.0	8.0	7.9	8.0
6	8.1	7.9	8.0	7.9	7.8	7.9	7.9	7.8	7.8	8.0	8.0	8.0
7	8.1	7.8	7.9	8.0	7.7	7.9	7.9	7.8	7.9	8.0	8.0	8.0
8	7.8	7.6	7.7	8.0	7.8	7.9	8.0	7.9	7.9	8.0	8.0	8.0
9	7.7	7.6	7.6	8.0	7.9	7.9	8.0	7.8	7.9	8.0	7.9	8.0
10	7.7	7.5	7.6	8.1	7.8	8.0	8.0	7.8	7.9	7.9	7.9	7.9
11	7.8	7.5	7.6	8.1	7.7	7.8	8.0	7.8	7.9	7.9	7.9	7.9
12	8.0	7.7	7.9	7.9	7.6	7.8	8.1	7.9	8.0	7.9	7.8	7.8
13	7.9	7.8	7.8	8.2	7.9	7.9	8.2	8.0	8.0	7.8	7.8	7.8
14	8.0	7.8	7.8	8.1	8.0	8.0	8.1	8.0	8.0	7.8	7.8	7.8
15	8.0	7.7	7.8	8.1	8.0	8.0	8.1	8.0	8.1	7.8	7.8	7.8
16	8.0	7.8	7.9	8.1	7.9	8.0	8.1	8.0	8.0	7.8	7.8	7.8
17	8.0	7.8	7.9	8.1	7.9	8.0	8.0	8.0	8.0	7.8	7.8	7.8
18	8.0	7.7	7.8	8.0	8.0	8.0	8.1	7.9	8.0	7.8	7.8	7.8
19	8.0	7.7	7.8	8.0	7.9	8.0	8.1	8.0	8.0	7.8	7.8	7.8
20	8.0	7.8	7.9	8.1	7.9	7.9	8.1	8.0	8.0	7.8	7.8	7.8
21	8.0	7.7	7.8	8.1	7.8	7.9	8.2	8.1	8.1	7.8	7.8	7.8
22	8.0	7.7	7.8	8.0	7.8	7.9	8.2	8.1	8.2	7.8	7.8	7.8
23	8.0	7.7	7.8	8.0	7.8	7.9	8.3	8.1	8.2	7.8	7.8	7.8
24	8.0	7.8	7.9	8.0	7.9	7.9	8.3	8.1	8.2	7.8	7.8	7.8
25	8.0	7.7	7.9	8.0	7.8	7.9	8.3	8.1	8.2	7.8	7.8	7.8
26	7.9	7.7	7.8	8.0	7.9	7.9	8.3	8.1	8.2	7.8	7.8	7.8
27	7.8	7.7	7.8	7.9	7.8	7.9	8.3	8.1	8.2	7.8	7.8	7.8
28	7.7	7.6	7.7	8.0	7.8	7.9	8.3	8.1	8.2	7.8	7.8	7.8
29	7.7	7.5	7.6	8.0	7.9	8.0	8.3	8.1	8.2	7.8	7.8	7.8
30	7.7	7.5	7.6	8.1	8.0	8.0	8.3	8.1	8.2	7.8	7.8	7.8
31	7.8	7.6	7.7	---	---	---	8.4	8.1	8.3	7.8	7.8	7.8
MAX	8.2	7.9	8.0	8.2	8.0	8.0	8.4	8.1	8.3	8.3	8.1	8.3
MIN	7.7	7.5	7.6	7.8	7.6	7.8	7.9	7.8	7.8	7.8	7.8	7.8

06892513 MILL CREEK AT JOHNSON DRIVE, SHAWNEE, KS—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.8	7.8	7.8	8.1	7.9	8.0	8.1	7.9	8.0	8.0	7.8	7.9
2	7.8	7.7	7.7	8.1	8.0	8.1	8.1	7.9	8.0	8.0	7.9	8.0
3	7.8	7.6	7.7	8.1	7.9	8.0	8.1	7.9	8.0	8.1	7.9	8.0
4	7.8	7.6	7.7	8.0	7.8	7.9	8.1	7.9	8.0	8.1	7.9	8.0
5	7.8	7.6	7.7	8.0	7.8	7.9	8.0	7.8	7.9	8.2	7.9	8.0
6	7.9	7.6	7.8	8.0	7.7	7.8	7.9	7.8	7.8	8.1	7.9	8.0
7	7.7	7.6	7.6	7.9	7.6	7.8	7.9	7.7	7.8	8.2	7.9	8.0
8	7.7	7.6	7.7	7.7	7.6	7.6	7.9	7.6	7.7	8.1	7.8	8.0
9	7.8	7.7	7.7	7.8	7.7	7.7	8.0	7.6	7.8	8.5	7.8	8.0
10	7.8	7.7	7.7	8.0	7.7	7.8	8.0	7.7	7.8	8.6	8.0	8.3
11	7.8	7.6	7.7	8.0	7.8	7.9	7.9	7.4	7.6	8.6	7.9	8.1
12	7.8	7.7	7.7	8.0	7.8	7.9	7.5	7.4	7.5	8.6	8.2	8.5
13	7.7	7.6	7.6	8.0	7.8	7.9	7.6	7.4	7.5	8.5	7.7	7.8
14	7.7	7.6	7.6	8.0	7.8	7.9	7.6	7.4	7.5	7.9	7.8	7.9
15	7.8	7.7	7.8	8.0	7.8	7.9	7.7	7.4	7.6	7.8	7.6	7.7
16	7.8	7.7	7.8	8.0	7.8	7.9	7.7	7.5	7.6	8.0	7.6	7.8
17	7.8	7.7	7.8	8.0	7.8	7.9	7.6	7.5	7.6	8.0	7.9	8.0
18	8.0	7.7	7.8	8.0	7.8	7.9	7.7	7.4	7.6	8.0	7.9	8.0
19	8.0	7.8	7.8	8.0	7.9	7.9	7.8	7.5	7.6	8.0	7.8	7.9
20	7.9	7.8	7.8	8.0	7.9	8.0	7.7	7.5	7.6	8.0	7.8	7.9
21	7.9	7.8	7.9	8.0	7.8	7.9	7.6	7.5	7.6	8.0	7.8	7.9
22	8.0	7.8	7.9	8.0	7.8	7.9	7.7	7.5	7.6	8.0	7.8	7.9
23	8.0	7.8	7.9	7.8	7.7	7.7	7.8	7.7	7.7	8.0	7.8	7.9
24	8.0	7.8	7.9	7.7	7.6	7.6	7.8	7.7	7.8	8.1	7.9	8.0
25	8.0	7.9	8.0	7.8	7.7	7.7	7.8	7.8	7.8	8.1	7.9	8.0
26	8.0	7.8	7.9	7.8	7.7	7.8	7.9	7.8	7.8	8.2	7.9	8.0
27	8.0	7.8	7.9	8.0	7.8	7.9	7.9	7.8	7.8	8.1	7.9	8.0
28	8.1	7.9	8.0	8.1	7.8	7.9	7.9	7.8	7.8	8.3	8.0	8.2
29	---	---	---	8.1	7.8	7.9	7.9	7.8	7.8	8.3	8.1	8.2
30	---	---	---	8.0	7.8	7.9	7.9	7.8	7.8	8.4	8.1	8.2
31	---	---	---	8.0	7.8	7.9	---	---	---	8.5	8.1	8.2
MAX	8.1	7.9	8.0	8.1	8.0	8.1	8.1	7.9	8.0	8.6	8.2	8.5
MIN	7.7	7.6	7.6	7.7	7.6	7.6	7.5	7.4	7.5	7.8	7.6	7.7

06892513 MILL CREEK AT JOHNSON DRIVE, SHAWNEE, KS—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.4	8.0	8.1	8.4	8.1	8.2	7.9	7.6	7.7	8.0	7.9	8.0
2	8.1	8.0	8.0	8.2	7.7	7.9	7.9	7.6	7.7	8.1	8.0	8.0
3	8.2	8.0	8.1	8.2	7.8	8.0	8.0	7.8	7.9	8.0	7.9	8.0
4	8.3	8.0	8.2	8.2	7.9	8.0	8.3	7.8	8.0	8.0	7.9	7.9
5	8.0	7.9	8.0	8.1	7.9	8.0	8.6	8.0	8.2	8.0	7.9	8.0
6	7.9	7.8	7.8	8.2	7.8	8.0	8.4	8.1	8.2	8.0	7.9	8.0
7	7.8	7.7	7.8	8.5	8.0	8.2	8.3	8.1	8.2	8.0	7.9	8.0
8	7.8	7.6	7.7	8.5	8.1	8.2	8.4	8.1	8.2	8.0	7.9	8.0
9	7.8	7.8	7.8	8.6	8.1	8.3	8.6	8.1	8.3	8.1	8.0	8.0
10	8.1	7.8	7.8	8.6	8.1	8.3	8.5	8.2	8.3	8.2	7.9	8.0
11	8.3	8.1	8.2	8.6	8.1	8.4	8.5	8.1	8.3	8.2	7.9	8.1
12	8.4	8.1	8.2	8.6	8.2	8.4	8.4	8.0	8.2	8.2	7.9	8.1
13	8.2	8.1	8.1	8.6	8.2	8.3	8.3	8.1	8.3	8.2	7.9	8.0
14	8.1	8.0	8.1	8.5	8.2	8.3	8.4	8.2	8.3	8.2	8.0	8.0
15	8.1	8.0	8.1	8.3	8.0	8.3	8.2	8.0	8.1	8.1	7.9	8.0
16	8.1	8.0	8.0	8.4	7.8	8.2	8.0	7.9	8.0	7.9	7.8	7.9
17	8.1	8.0	8.0	8.1	7.6	8.0	7.9	7.8	7.9	8.0	7.8	7.9
18	8.1	8.0	8.1	8.5	7.6	7.9	7.8	7.8	7.8	8.0	7.8	8.0
19	8.2	8.1	8.2	8.2	7.7	7.9	7.8	7.8	7.8	8.0	7.8	7.8
20	8.3	8.2	8.2	8.7	7.8	8.0	8.2	7.8	8.0	7.9	7.7	7.8
21	8.3	8.2	8.3	8.4	7.5	7.8	7.9	7.9	7.9	7.8	7.7	7.7
22	8.4	8.3	8.3	8.5	7.4	7.8	7.9	7.9	7.9	7.8	7.7	7.8
23	8.4	8.3	8.3	8.1	7.4	7.7	8.0	7.9	7.9	8.0	7.8	7.9
24	8.4	8.3	8.4	8.7	7.4	8.0	8.2	8.0	8.0	8.0	7.9	8.0
25	8.5	8.4	8.5	8.4	7.6	7.9	8.1	8.0	8.0	8.0	7.8	8.0
26	8.6	8.5	8.5	8.2	7.6	7.8	8.0	7.9	7.9	8.0	7.7	8.0
27	8.7	8.0	8.6	8.0	7.8	7.9	8.0	7.9	8.0	8.1	8.0	8.0
28	8.6	7.7	8.1	7.8	7.7	7.8	8.0	8.0	8.0	8.2	8.0	8.1
29	8.6	7.9	8.2	7.7	7.5	7.7	8.1	8.0	8.0	8.3	8.2	8.3
30	8.3	7.6	8.0	7.8	7.5	7.6	8.1	8.0	8.0	8.3	8.3	8.3
31	---	---	---	7.9	7.6	7.7	8.1	8.0	8.0	---	---	---
MAX	8.7	8.5	8.6	8.7	8.2	8.4	8.6	8.2	8.3	8.3	8.3	8.3
MIN	7.8	7.6	7.7	7.7	7.4	7.6	7.8	7.6	7.7	7.8	7.7	7.7

YEAR			
	MAX	MAXIMUM 8.7	MINIMUM 7.5
	MIN	MAXIMUM 8.5	MINIMUM 7.4
	MEDIAN	MAXIMUM 8.6	MINIMUM 7.5

06892513 MILL CREEK AT JOHNSON DRIVE, SHAWNEE, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	19.1	17.9	18.6	16.0	14.9	15.2	4.8	3.8	4.3	7.8	5.9	6.6
2	17.9	15.6	16.5	14.9	13.5	14.2	4.3	3.6	4.0	7.9	7.0	7.4
3	16.9	14.8	15.9	13.5	11.2	12.6	4.3	3.5	3.8	7.0	4.1	5.2
4	16.8	15.2	16.1	11.5	10.6	11.0	5.0	3.4	4.1	4.6	3.0	4.1
5	15.8	14.6	15.4	11.0	9.8	10.5	6.5	3.9	4.7	3.1	1.9	2.5
6	16.5	14.8	15.7	11.7	10.2	10.9	7.9	6.4	7.0	1.9	0.7	1.0
7	17.2	15.8	16.2	12.0	10.4	11.2	8.3	7.5	8.0	1.6	0.8	1.1
8	18.7	17.2	18.0	11.3	10.2	10.8	7.5	6.6	7.0	2.2	1.6	1.9
9	18.7	17.4	18.1	11.2	10.3	10.7	7.1	6.4	6.8	3.4	2.0	2.5
10	18.1	16.9	17.4	11.8	10.3	11.0	6.8	6.0	6.4	3.9	3.2	3.5
11	17.6	15.6	16.6	12.1	10.6	11.5	6.2	5.6	5.8	3.2	3.0	3.0
12	15.6	13.8	14.5	10.6	9.1	9.8	6.1	5.3	5.7	3.5	3.0	3.2
13	14.5	13.1	13.8	9.1	8.0	8.5	5.4	3.7	4.6	3.4	1.6	2.7
14	14.1	13.1	13.6	8.3	7.5	7.8	3.7	2.0	2.8	1.6	0.1	0.5
15	13.3	12.3	12.8	8.9	8.2	8.5	2.2	1.3	1.8	0.3	0.1	0.2
16	12.8	11.5	12.2	10.7	8.9	9.7	2.7	1.5	2.0	0.6	0.1	0.2
17	13.2	11.6	12.4	12.7	10.7	11.7	3.1	2.0	2.5	0.6	0.1	0.3
18	13.4	12.8	13.1	13.2	12.5	12.9	3.9	2.7	3.2	0.7	0.2	0.4
19	13.5	12.9	13.2	13.6	13.2	13.4	3.4	1.6	2.3	1.0	0.3	0.6
20	13.5	13.1	13.3	13.3	12.6	13.0	2.0	0.9	1.4	2.0	0.8	1.3
21	14.2	13.3	13.6	12.6	10.7	11.4	1.6	1.2	1.4	2.8	1.9	2.3
22	16.4	14.2	15.2	10.7	10.2	10.4	1.3	0.4	0.7	2.8	1.0	2.0
23	16.8	15.9	16.4	10.2	9.4	10.0	1.0	0.2	0.5	1.0	0.3	0.7
24	16.3	14.4	15.4	9.4	4.5	6.2	0.9	0.3	0.6	1.7	0.3	0.9
25	16.3	14.7	15.5	5.1	3.7	4.3	0.9	0.3	0.6	2.5	1.2	1.8
26	16.6	15.8	16.2	8.5	5.1	6.8	1.0	0.5	0.8	2.9	1.9	2.4
27	17.2	16.4	16.8	8.9	7.8	8.6	1.2	0.6	0.9	3.2	2.4	2.7
28	18.3	17.0	17.6	7.8	6.3	6.8	1.9	0.8	1.3	3.2	2.5	2.8
29	19.9	18.3	19.0	6.3	6.0	6.2	2.3	1.1	1.7	3.4	2.5	2.9
30	19.3	16.9	17.6	6.0	4.8	5.4	5.5	2.1	3.7	3.7	3.1	3.4
31	17.0	14.9	15.9	---	---	---	6.3	4.9	5.5	4.1	3.6	3.8
MONTH	19.9	11.5	15.6	16.0	3.7	10.0	8.3	0.2	3.4	7.9	0.1	2.4

06892513 MILL CREEK AT JOHNSON DRIVE, SHAWNEE, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	5.0	3.8	4.3	5.6	4.0	4.8	14.4	11.8	12.9	15.2	11.7	13.2
2	4.7	4.0	4.4	6.2	3.6	4.8	14.4	11.5	12.8	15.1	11.9	13.5
3	4.5	3.1	3.8	7.7	4.6	6.0	15.8	12.3	13.8	16.3	12.1	14.0
4	5.4	3.2	4.2	9.5	6.6	7.9	18.0	14.2	15.9	16.5	13.2	14.7
5	6.2	4.3	5.1	10.5	7.8	9.0	17.4	16.4	16.9	17.3	14.3	15.8
6	7.0	5.8	6.4	11.0	8.0	9.5	17.8	16.4	17.1	19.5	15.8	17.2
7	7.0	4.4	5.9	10.8	9.5	10.5	17.3	15.2	16.3	20.5	18.1	19.4
8	4.4	1.9	3.1	9.5	7.7	8.3	16.9	13.7	15.2	20.1	18.9	19.6
9	2.1	1.0	1.7	8.6	7.1	7.7	17.6	15.3	16.4	22.0	18.1	19.8
10	2.5	1.2	1.8	9.4	6.8	8.0	19.1	16.4	17.7	22.6	19.9	20.8
11	3.9	1.9	2.8	9.6	7.0	8.3	18.6	16.9	17.9	23.5	22.2	22.8
12	6.2	3.6	4.4	11.0	8.0	9.3	18.1	15.2	16.7	22.4	20.8	21.5
13	7.5	6.2	6.9	9.8	8.2	9.1	16.4	14.0	15.1	21.4	17.3	18.4
14	8.6	6.1	7.2	9.7	7.5	8.6	17.0	14.2	15.5	19.8	17.5	18.6
15	8.9	7.8	8.4	9.8	7.9	8.8	17.7	14.8	16.2	19.6	16.9	18.3
16	8.2	6.9	7.3	10.4	7.9	9.1	18.9	15.5	17.1	19.4	16.7	18.2
17	7.1	6.1	6.6	10.9	8.6	9.7	20.1	16.7	18.3	21.4	17.9	19.5
18	6.8	5.4	6.2	11.4	9.3	10.2	20.2	18.2	19.2	20.4	19.2	19.8
19	6.4	5.8	6.1	10.9	8.9	9.9	20.4	18.8	19.5	23.6	19.1	21.1
20	8.8	6.4	7.6	10.8	8.6	9.7	20.9	19.3	20.0	25.3	21.4	23.3
21	8.7	7.8	8.3	10.2	9.2	9.8	22.2	20.0	20.9	25.2	21.9	23.6
22	7.8	7.0	7.5	9.2	6.8	8.2	21.7	18.1	19.7	26.3	23.0	24.5
23	7.5	7.1	7.3	7.1	6.0	6.6	18.1	15.7	16.9	26.8	22.8	24.7
24	7.9	6.6	7.2	7.3	6.9	7.1	17.4	14.2	15.8	25.6	23.2	24.1
25	7.9	6.2	7.1	7.4	7.2	7.3	16.2	13.7	14.7	25.4	22.0	23.5
26	8.0	6.8	7.4	7.5	6.9	7.2	13.7	12.1	12.9	25.2	21.6	23.4
27	8.6	7.8	8.2	9.9	6.4	8.0	14.9	11.6	13.2	24.0	21.1	22.0
28	7.8	5.4	6.7	11.8	7.9	9.8	14.3	13.2	13.6	23.6	19.1	21.1
29	---	---	---	13.7	10.7	12.1	13.2	12.2	12.5	24.2	20.7	22.3
30	---	---	---	14.4	13.1	13.7	14.5	10.5	12.4	23.4	21.2	22.3
31	---	---	---	13.4	11.9	12.7	---	---	---	23.5	20.8	22.1
MONTH	8.9	1.0	5.9	14.4	3.6	8.8	22.2	10.5	16.1	26.8	11.7	20.1

06892513 MILL CREEK AT JOHNSON DRIVE, SHAWNEE, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.9	20.1	20.9	25.5	22.5	23.8	27.6	26.1	26.8	23.3	22.3	22.8
2	22.1	19.9	21.1	27.0	23.4	24.9	28.4	26.9	27.5	24.6	22.6	23.5
3	21.8	19.1	20.4	26.4	24.2	25.3	29.1	27.0	27.9	25.4	23.0	24.2
4	22.0	18.5	20.0	24.8	22.5	23.5	29.5	27.7	28.6	26.1	23.5	24.8
5	22.7	20.0	21.4	25.4	22.9	24.1	29.0	26.1	26.8	26.0	23.8	24.9
6	23.4	21.0	22.3	26.8	23.4	25.0	26.7	24.8	25.7	25.7	23.7	24.8
7	25.3	22.6	23.8	28.0	24.0	25.9	27.0	25.6	26.4	26.1	23.8	24.9
8	26.8	23.5	25.0	28.7	25.0	26.7	27.6	26.3	26.9	25.4	24.2	24.9
9	24.9	21.8	22.6	29.2	25.8	27.4	29.1	25.5	27.1	26.2	23.8	25.0
10	23.7	22.3	23.0	29.0	26.4	27.7	29.4	26.8	28.0	26.2	24.1	25.3
11	23.2	21.1	22.0	29.3	26.5	27.7	30.0	27.7	28.7	26.2	24.0	25.2
12	23.4	21.8	22.7	29.7	26.8	28.0	29.5	26.4	28.2	25.9	24.6	25.2
13	22.8	20.9	21.9	30.0	27.0	28.2	26.4	23.9	24.7	25.3	23.8	24.4
14	23.1	21.0	22.1	29.7	27.1	28.3	24.0	22.0	22.8	24.3	22.6	23.4
15	24.1	21.8	22.9	29.6	27.4	28.3	22.9	22.3	22.6	23.1	18.0	19.5
16	25.6	22.2	23.7	29.4	27.2	28.1	24.5	22.2	23.1	19.6	17.6	18.6
17	26.1	23.2	24.6	29.6	27.8	28.6	25.9	23.6	24.6	20.5	18.2	19.3
18	25.7	23.1	24.5	30.0	27.0	28.6	27.6	24.8	26.1	22.0	19.3	20.5
19	26.3	23.1	24.6	28.8	26.2	27.0	27.4	24.2	25.8	24.2	21.9	22.9
20	27.1	23.3	25.1	29.5	25.4	27.0	25.5	23.3	23.9	25.2	23.5	24.3
21	27.5	24.1	25.7	29.6	27.6	28.4	24.1	23.4	23.7	24.5	23.1	23.8
22	28.6	25.0	26.7	29.4	27.9	28.5	24.4	23.5	23.9	25.0	23.0	23.9
23	29.0	25.7	27.3	29.9	28.9	29.3	24.0	22.6	23.4	24.4	20.4	21.5
24	29.7	26.3	27.8	30.0	29.0	29.5	22.9	22.0	22.5	22.6	21.0	21.8
25	30.0	26.8	28.3	30.5	28.9	29.7	22.9	22.5	22.7	23.6	22.2	22.9
26	29.9	27.1	28.3	30.4	23.8	28.4	24.4	22.0	23.1	23.3	22.1	22.7
27	29.9	27.4	28.4	25.0	22.1	23.5	25.0	22.9	24.0	22.1	20.1	21.0
28	29.7	26.6	27.8	26.4	22.4	24.3	25.3	23.9	24.7	20.7	18.3	19.7
29	28.6	25.5	26.8	26.5	23.5	24.7	25.5	23.4	24.4	18.3	16.5	17.3
30	28.0	23.4	25.5	26.7	24.5	25.4	25.1	22.9	24.1	17.4	15.6	16.5
31	---	---	---	27.0	25.2	26.1	24.5	22.5	23.4	---	---	---
MONTH	30.0	18.5	24.2	30.5	22.1	26.8	30.0	22.0	25.2	26.2	15.6	22.6
YEAR	30.5	0.1	15.1									

06892513 MILL CREEK AT JOHNSON DRIVE, SHAWNEE, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	10.4	6.7	8.1	8.7	5.7	7.7	13.7	11.9	12.9	17.1	13.3	15.1
2	10.6	7.2	8.8	8.5	7.7	8.0	14.0	12.6	13.3	15.0	11.1	13.0
3	12.0	7.5	9.6	10.2	7.6	8.6	14.2	12.6	13.4	14.1	11.1	13.2
4	12.2	7.7	9.9	10.3	9.6	10.1	14.8	12.6	13.6	15.0	13.7	14.1
5	11.6	8.4	10.2	10.6	9.5	10.1	13.6	11.2	12.8	15.2	14.8	15.0
6	12.6	8.3	10.8	10.8	9.5	10.1	11.2	10.6	10.9	16.2	15.2	15.8
7	12.1	7.9	9.3	11.0	9.3	10.1	10.9	10.2	10.5	16.2	15.7	15.9
8	8.0	7.0	7.5	11.1	9.4	10.0	11.7	10.3	11.2	15.8	15.4	15.6
9	8.0	6.4	7.1	11.7	9.6	10.4	12.1	11.0	11.6	15.6	15.0	15.4
10	8.0	6.0	7.0	12.3	9.9	11.0	11.8	11.1	11.3	15.0	14.4	14.7
11	8.3	6.0	7.1	10.8	8.8	9.4	13.1	11.0	12.0	15.0	14.6	14.8
12	9.0	8.2	8.7	10.4	8.6	9.5	13.9	11.3	12.8	14.9	14.6	14.7
13	9.8	8.7	9.1	12.8	9.7	11.1	14.5	12.0	13.1	15.8	14.6	15.1
14	10.4	8.2	9.2	12.6	11.0	11.5	15.3	12.2	13.5	17.4	15.8	16.7
15	10.4	8.4	9.2	12.5	11.0	11.4	15.7	13.1	14.3	17.7	17.3	17.5
16	10.5	8.6	9.5	11.8	8.4	10.6	15.8	13.3	14.4	17.8	17.2	17.5
17	10.9	8.6	9.7	11.9	8.9	10.5	15.5	13.4	14.4	17.6	17.2	17.5
18	10.8	7.9	8.8	11.7	9.0	9.7	15.3	13.0	14.2	17.4	17.1	17.3
19	10.8	7.4	8.6	9.6	7.3	8.2	15.0	13.2	13.9	17.1	16.6	16.9
20	10.9	8.0	9.3	11.0	7.2	8.7	15.9	13.2	14.4	16.6	15.9	16.4
21	10.3	7.6	8.3	10.5	9.1	9.7	16.3	14.3	15.0	15.9	15.0	15.6
22	10.6	7.7	8.8	10.8	8.7	9.5	17.2	14.6	15.5	16.5	15.0	15.7
23	10.5	6.0	8.2	11.2	8.7	9.7	18.7	15.4	16.8	18.1	16.5	17.2
24	10.3	6.6	8.7	12.5	9.7	11.2	19.5	15.9	17.6	18.2	17.0	17.5
25	11.5	6.5	8.9	12.7	11.8	12.4	19.8	16.2	18.1	17.4	16.2	16.7
26	10.9	6.3	7.9	12.5	10.6	11.5	19.4	16.2	17.8	16.8	15.4	16.0
27	8.0	6.0	6.9	10.7	10.1	10.3	19.2	16.1	17.9	17.1	14.8	15.8
28	7.3	5.8	6.8	11.8	10.4	11.1	19.4	16.0	17.8	17.1	14.1	15.5
29	7.3	5.2	6.3	11.8	11.2	11.6	19.3	16.1	17.6	17.1	14.2	15.6
30	7.2	5.0	5.8	12.7	11.4	12.0	18.6	15.7	17.2	15.5	14.1	14.7
31	7.8	5.6	6.7	---	---	---	18.6	13.9	16.2	15.0	12.9	13.9
MONTH	12.6	5.0	8.4	12.8	5.7	10.2	19.8	10.2	14.4	18.2	11.1	15.7

06892513 MILL CREEK AT JOHNSON DRIVE, SHAWNEE, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	15.4	12.4	13.9	16.7	13.2	14.9	15.1	9.6	12.4	10.9	8.1	9.5
2	14.2	13.1	13.8	17.8	13.9	15.7	16.0	10.8	12.9	11.2	7.8	9.6
3	16.0	12.8	14.2	17.5	13.7	15.3	16.6	10.6	13.0	12.0	8.1	10.0
4	16.6	13.2	14.6	15.9	12.6	14.2	15.2	9.1	12.1	12.1	7.4	10.1
5	15.9	12.7	14.2	15.5	10.2	13.0	11.6	7.3	9.8	12.1	7.6	10.0
6	13.6	10.7	12.0	14.4	10.7	12.4	11.2	7.9	9.6	12.1	7.6	9.8
7	11.6	10.5	10.9	11.7	9.4	10.0	9.6	7.4	8.1	11.4	7.0	9.5
8	13.1	10.0	11.6	11.2	9.2	10.3	10.6	6.8	8.2	9.8	5.6	7.8
9	14.4	10.9	13.0	13.5	10.6	11.9	11.3	7.1	8.8	15.9	6.0	9.9
10	14.1	10.6	12.7	14.3	11.8	12.9	10.8	5.9	8.2	15.5	8.1	12.0
11	14.4	11.1	13.2	14.6	11.3	12.7	8.4	6.1	6.8	16.9	9.0	13.0
12	13.6	11.1	12.3	14.4	11.3	12.6	6.5	5.2	5.9	17.9	5.4	10.9
13	11.1	10.6	10.9	14.5	10.8	12.3	8.2	3.6	6.1	11.5	6.3	8.0
14	---	---	---	15.3	11.0	12.8	8.3	3.5	5.9	8.0	7.3	7.7
15	---	---	---	14.0	11.5	12.6	8.2	4.9	6.9	8.1	7.2	7.6
16	---	---	---	14.3	11.1	12.5	8.2	5.1	6.7	8.3	7.4	7.9
17	---	---	---	13.3	10.8	11.9	8.0	---	---	8.4	7.0	7.6
18	13.7	---	---	13.5	10.5	11.7	7.6	---	---	7.8	6.6	7.1
19	13.4	12.0	12.6	14.4	10.7	12.2	7.4	3.5	5.7	9.0	5.7	7.3
20	12.8	11.6	12.3	14.7	11.3	12.8	6.5	3.4	5.0	9.2	6.1	7.5
21	12.5	11.3	11.8	13.0	10.9	12.0	6.3	3.1	4.9	9.5	5.8	7.5
22	14.6	11.8	13.1	11.7	10.4	11.0	6.2	3.7	4.9	9.5	5.0	7.3
23	14.6	12.5	13.6	12.3	11.1	11.7	7.8	5.3	6.4	9.7	5.0	7.3
24	15.2	12.3	13.5	12.1	11.4	11.7	8.2	6.2	7.2	8.5	4.9	6.7
25	15.8	12.6	14.2	12.3	11.2	11.8	7.7	6.7	7.2	9.9	4.8	7.5
26	16.0	12.6	14.3	13.6	11.5	12.5	9.3	7.2	8.4	9.8	5.0	7.6
27	14.8	12.5	13.4	15.7	12.3	14.0	9.9	8.0	8.8	9.0	5.1	7.3
28	15.8	12.0	13.6	16.1	12.4	14.0	9.2	7.7	8.5	10.7	5.9	8.1
29	---	---	---	14.5	11.4	12.8	9.2	7.6	8.4	10.9	6.2	8.7
30	---	---	---	12.8	9.7	11.3	11.0	7.7	9.2	11.5	6.6	9.0
31	---	---	---	14.5	8.5	11.3	---	---	---	12.2	6.7	9.4
MONTH	16.6	10.0	13.0	17.8	8.5	12.5	16.6	3.1	8.1	17.9	4.8	8.7

06892513 MILL CREEK AT JOHNSON DRIVE, SHAWNEE, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.6	7.2	7.6	8.9	5.5	6.8	6.3	4.3	5.2	7.7	6.6	7.0
2	7.6	6.7	7.1	8.9	4.8	6.5	7.3	4.3	5.2	8.6	6.4	7.4
3	8.6	6.2	7.5	9.2	5.0	6.7	8.6	4.6	6.7	9.7	6.3	7.9
4	8.9	8.0	8.5	6.6	6.0	6.4	10.9	4.8	7.8	10.3	6.1	8.1
5	8.7	8.0	8.4	7.2	5.5	6.3	11.9	4.8	7.6	10.1	6.5	8.1
6	8.6	8.0	8.3	8.6	5.4	6.8	11.8	5.8	8.3	10.0	6.3	8.0
7	8.3	7.8	8.0	10.1	5.5	7.4	10.2	7.1	8.6	10.4	6.3	8.3
8	8.3	7.5	7.9	11.5	5.5	8.0	10.2	6.7	8.3	9.7	6.1	8.0
9	8.0	7.6	7.9	12.0	5.4	8.3	9.9	5.1	7.4	11.1	6.4	8.8
10	8.3	7.5	8.0	12.9	5.2	8.6	10.5	4.6	7.5	11.6	6.0	9.0
11	8.5	7.9	8.1	14.2	5.3	9.2	10.9	4.6	7.8	13.2	6.1	9.6
12	8.4	7.7	8.0	15.2	5.3	9.9	9.1	4.7	6.4	13.1	6.5	10
13	8.5	7.8	8.2	15.7	5.6	10.6	7.5	6.5	7.1	11.9	5.2	8.6
14	8.7	7.7	8.2	15.1	5.8	10.8	8.1	7.3	7.8	11.8	6.1	8.7
15	8.6	7.7	8.1	15.7	6.4	10.1	7.8	7.2	7.5	9.2	7.6	8.7
16	8.6	7.6	8.1	14.4	4.9	9.3	7.9	6.9	7.5	8.7	7.9	8.4
17	9.0	7.3	8.1	13.0	7.2	9.7	7.5	6.2	6.8	9.8	7.6	8.8
18	10.0	7.2	8.4	13.0	4.6	9.0	7.2	5.9	6.5	8.9	7.8	8.5
19	11.4	7.2	9.0	9.4	2.9	6.1	7.4	5.9	6.9	7.9	5.5	7.0
20	13.3	7.2	9.9	22.7	3.8	11.9	7.6	7.0	7.3	7.6	6.6	7.3
21	16.2	7.6	11.1	18.8	6.8	12.6	7.5	7.0	7.3	7.6	6.8	7.2
22	---	7.2	---	17.8	7.2	11.4	7.8	5.9	6.8	7.4	6.2	6.9
23	---	---	---	14.4	6.3	9.5	7.6	7.1	7.4	8.5	6.7	7.9
24	---	---	---	11.8	4.7	8.0	7.6	7.2	7.4	---	---	---
25	---	---	---	12.3	4.7	7.8	7.8	7.4	7.6	---	---	---
26	---	---	---	10.0	3.6	5.7	7.8	7.1	7.4	---	---	---
27	18.7	---	---	6.4	5.0	6.0	7.6	7.0	7.3	8.5	7.8	8.1
28	17.5	9.5	12.6	---	---	---	7.3	6.8	7.0	8.8	8.1	8.3
29	19.8	4.4	12.4	6.4	4.2	5.1	7.5	6.6	7.0	9.6	8.5	9.1
30	17.1	5.6	10.1	6.3	3.5	4.8	7.4	6.8	7.1	10.3	9.3	9.7
31	---	---	---	6.3	3.6	5.0	7.3	6.4	6.9	---	---	---
MONTH	19.8	4.4	8.7	22.7	2.9	8.1	11.9	4.3	7.2	13.2	5.2	8.3
YEAR	22.7	2.9	10.3									

06892513 MILL CREEK AT JOHNSON DRIVE, SHAWNEE, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	9.8	3.3	5.5	34	11	22	6.0	4.0	4.2	6.4	3.2	4.3
2	9.8	2.2	5.7	32	17	24	7.0	3.0	3.8	11	4.3	6.6
3	8.8	3.3	4.8	110	12	27	4.0	3.0	3.2	>940	---	---
4	6.0	3.3	4.9	130	34	62	6.0	2.0	2.9	890	73	240
5	7.0	2.0	5.1	37	17	24	320	2.0	61	770	84	240
6	6.0	2.0	3.9	19	12	15	240	70	120	96	85	90
7	300	3.0	63	13	8.0	11	70	29	45	85	70	75
8	330	61	130	14	7.0	10	29	16	22	77	63	67
9	61	24	37	12	5.0	8.2	17	10	11	86	---	---
10	36	12	21	55	6.0	12	11	7.0	9.1	---	---	---
11	29	13	16	68	36	48	8.0	4.0	5.2	---	19	---
12	28	16	20	41	15	28	9.0	3.0	4.1	130	19	53
13	25	12	17	16	6.0	9.2	6.0	3.0	3.6	120	57	89
14	17	10	13	7.0	3.0	4.4	6.0	3.0	3.2	62	48	53
15	14	8.0	10	5.0	3.0	4.1	9.0	2.0	3.7	51	33	38
16	16	6.0	9.7	7.0	3.0	5.1	4.0	2.0	3.0	38	30	32
17	13	6.0	8.4	9.0	4.0	6.5	4.0	2.0	3.0	33	30	31
18	13	5.0	8.0	13	5.0	8.8	9.0	3.0	3.9	33	28	30
19	12	3.0	6.8	12	6.0	9.3	10	2.0	3.9	35	29	31
20	11	3.0	5.2	11	5.0	7.2	7.5	3.0	4.1	45	30	36
21	10	2.0	5.2	10	6.0	7.4	5.4	2.1	2.7	45	35	39
22	10	2.0	5.5	11	7.0	8.8	3.2	2.1	2.2	46	34	40
23	10	3.0	6.1	19	7.0	8.8	3.2	2.1	2.5	38	31	35
24	13	4.0	6.4	60	10	34	4.3	2.1	2.7	38	29	31
25	14	3.0	7.2	37	25	31	4.3	2.1	2.8	33	28	30
26	25	3.0	14	44	30	35	3.2	2.1	2.5	31	27	28
27	19	7.0	12	62	35	46	3.2	2.1	2.3	33	24	27
28	43	8.0	24	36	11	20	4.3	2.1	2.1	---	---	---
29	31	12	20	12	7.0	8.8	4.3	2.1	2.2	---	---	---
30	22	12	16	8.0	5.0	6.0	4.3	2.1	2.4	---	---	---
31	25	8.0	15	---	---	---	4.3	3.2	4.1	---	---	---
MONTH	330	2.0	17	130	3.0	18	320	2.0	11	940	3.2	59

06892513 MILL CREEK AT JOHNSON DRIVE, SHAWNEE, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU—CONTINUED

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	7.0	3.0	4.9	12	6.0	8.6	23	11	15
2	7.5	5.4	6.2	5.0	2.0	3.6	13	7.0	9.2	23	10	15
3	14	3.2	7.7	16	3.0	5.7	11	5.0	8.2	20	8.0	13
4	5.4	3.2	3.9	8.0	5.0	6.4	12	5.0	7.9	25	9.0	15
5	7.5	3.2	6.1	13	7.0	9.4	10	5.0	7.7	21	11	15
6	280	6.4	90	24	7.0	10	22	---	---	24	8.0	13
7	200	43	100	90	13	52	18	9.0	13	18	8.0	13
8	44	15	26	84	24	43	13	8.0	9.6	20	9.0	14
9	15	7.5	11	31	12	21	13	5.0	7.1	18	9.0	14
10	11	6.4	7.3	15	6.0	11	41	3.0	6.1	29	10	17
11	21	5.4	9.2	11	6.0	8.1	120	8.0	48	29	10	19
12	360	16	57	16	8.0	11	59	26	38	250	10	25
13	870	92	380	---	---	---	28	11	22	>1,180	53	460
14	97	31	51	---	---	---	14	5.0	11	160	41	85
15	52	22	31	---	---	---	16	6.0	10	48	31	38
16	40	15	25	13	8.0	11	13	3.0	8.8	40	14	25
17	46	11	19	13	8.0	10	13	4.0	8.2	18	10	14
18	47	11	23	14	9.0	11	17	6.0	9.0	16	7.1	12
19	30	10	16	12	8.0	10	17	6.0	10	17	6.1	11
20	15	10	13	10	7.0	7.9	17	6.0	11	12	5.2	8.6
21	22	13	16	14	6.0	8.3	23	5.0	12	14	5.2	8.7
22	21	9.0	12	28	8.0	16	24	12	18	13	4.3	8.0
23	11	8.0	9.8	27	17	21	24	13	18	11	3.4	7.2
24	16	7.0	11	20	14	17	25	11	18	13	4.4	8.0
25	11	5.0	8.0	15	10	12	22	12	16	13	4.4	7.8
26	11	7.0	9.0	11	7.0	8.4	25	15	19	14	4.5	7.4
27	14	9.0	11	9.0	5.0	7.0	22	11	16	16	4.5	7.2
28	12	5.0	8.7	11	5.0	7.6	21	11	15	18	3.6	10
29	---	---	---	10	6.0	7.4	20	11	15	11	2.7	6.2
30	---	---	---	11	6.0	8.0	24	9.0	15	11	2.7	5.7
31	---	---	---	12	7.0	8.4	---	---	---	41	<2.0	9.3
MONTH	870	3.2	36	90	2.0	13	120	3.0	14	1,180	<2.0	30

06892513 MILL CREEK AT JOHNSON DRIVE, SHAWNEE, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU—CONTINUED

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	250	31	130	70	19	34	24	10	15	17	7.0	12
2	64	19	36	29	13	22	24	9.0	15	19	5.0	11
3	>1,190	18	>250	140	12	20	20	7.0	13	13	5.0	8.1
4	>1,180	100	>470	660	46	170	19	6.0	11	8.0	4.0	5.7
5	120	38	68	49	19	33	24	7.0	12	7.0	2.0	4.8
6	38	23	31	27	13	20	18	6.0	10	10	2.0	4.7
7	36	19	26	31	12	19	23	5.0	11	15	3.0	4.5
8	450	16	30	23	9.0	14	21	5.0	9.7	15	3.0	5.0
9	>1,060	---	---	20	7.0	12	18	5.0	11	6.0	3.0	4.5
10	---	---	---	18	6.0	11	15	3.0	8.1	9.0	<2.0	3.9
11	590	30	240	19	6.0	12	15	4.0	8.2	7.0	2.0	3.6
12	>1,090	59	>230	19	7.0	12	350	5.0	49	7.0	2.0	3.9
13	490	53	140	17	8.0	12	>1,100	250	>600	58	3.0	6.2
14	53	24	35	22	8.0	13	380	59	160	16	3.0	6.0
15	25	19	23	21	10	13	65	35	47	1,060	5.0	160
16	20	13	17	21	7.0	14	63	20	35	100	31	56
17	17	9.0	13	22	7.0	15	45	20	29	32	13	20
18	13	8.0	10	110	11	26	47	19	31	390	13	100
19	11	5.0	7.6	45	17	27	>1,110	26	>270	100	27	50
20	8.0	4.0	5.8	37	19	26	>1,100	120	>440	82	45	65
21	9.0	3.0	4.7	40	14	23	130	34	76	46	24	35
22	7.0	3.0	3.9	42	16	25	---	21	---	41	15	23
23	11	3.0	5.2	40	15	26	---	31	---	>1,260	13	>390
24	13	4.0	6.7	38	18	27	81	19	35	100	25	49
25	15	6.0	9.3	47	18	29	760	47	170	25	13	19
26	14	7.0	11	730	16	82	>1,080	38	>270	16	7.0	11
27	19	9.0	13	610	51	130	84	19	39	10	7.0	8.0
28	22	10	16	59	36	46	19	11	15	15	6.0	7.6
29	28	15	19	40	15	28	40	9.0	17	14	5.0	6.5
30	180	13	58	37	14	22	36	13	22	7.0	4.0	4.8
31	---	---	---	25	12	17	19	10	13	---	---	---
MONTH	1,190	3.0	68	730	6.0	32	1,110	3.0	84	1,260	<2.0	36
YEAR	1,260	<2.0	34									

> Actual value is known to be greater than the value shown
< Actual value is known to be less than the value shown

06893080 BLUE RIVER NEAR STANLEY, KS

LOCATION.--Lat 38°48'45", long 94°40'32", in SW ¼ SW ¼ SE ¼ sec.19, T.14 S., R.25 E., Johnson County, Hydrologic Unit 10300001, on left bank between bridges on U.S. Highway 69, 0.5 mi downstream from confluence of Wolf and Coffee Creeks, 3.0 mi south of Stanley, and at mile 36.8.

DRAINAGE AREA.--46 mi^2, approximately.

PERIOD OF RECORD.--Annual maximum, water years 1970-74. October 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 886.05 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to Oct. 1, 1974, crest-stage gage at same site and datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 4	2100	1,590	9.61	Aug 25	0400	1,700	9.98
Jun 4	0445	*9,150	*16.89	Aug 26	1200	1,480	9.56

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	137	52	11	30	19	10	3.9	14	7.3	e0.49	e7.0
2	1.3	53	44	11	34	17	9.2	3.8	9.8	4.9	e0.42	e6.9
3	1.4	100	38	398	24	18	9.0	3.5	97	3.7	e1.1	e3.4
4	0.97	336	33	477	21	17	9.5	3.2	2,810	26	e0.82	e2.6
5	0.90	72	205	683	20	16	8.9	2.9	178	12	e0.48	e2.5
6	0.80	40	257	182	171	15	8.8	3.1	65	6.3	e0.29	e2.7
7	94	29	132	89	302	19	11	3.5	45	4.6	e0.21	e3.4
8	132	22	79	62	89	17	8.6	4.7	49	4.1	e0.16	e2.5
9	28	20	58	99	54	15	8.1	5.5	165	2.8	e0.13	e2.3
10	14	45	45	169	42	14	7.9	5.1	59	e2.9	e0.13	e2.4
11	12	205	35	115	53	14	27	4.9	340	e3.2	0.13	e2.3
12	50	47	31	229	119	12	59	4.9	287	e3.4	0.14	e1.9
13	49	29	28	211	803	10	16	250	601	e3.1	14	e2.1
14	25	22	22	73	209	9.3	11	60	160	e2.7	35	e2.4
15	16	20	20	46	94	9.3	8.6	23	64	e2.4	6.5	31
16	12	17	20	35	58	8.5	7.6	15	39	e2.0	2.9	17
17	8.5	16	20	31	45	9.3	6.6	11	27	e1.8	1.9	8.2
18	7.2	16	19	28	38	11	6.4	8.7	19	e2.1	2.2	7.9
19	6.0	17	18	27	37	10	5.9	7.2	14	e2.7	89	7.8
20	5.8	14	15	29	45	9.1	5.5	6.2	12	e4.9	228	4.3
21	5.4	11	15	31	37	9.5	5.0	5.6	10	e5.5	33	3.1
22	5.4	10	13	25	31	19	4.5	4.7	8.6	e4.4	12	2.5
23	5.7	9.6	9.0	19	27	27	5.0	4.1	7.0	e2.9	7.6	139
24	4.8	160	7.9	19	25	21	4.0	3.3	5.8	e2.0	9.0	48
25	3.8	172	8.6	18	22	19	4.4	3.0	4.9	e1.3	726	18
26	31	329	9.3	19	21	17	4.5	2.7	4.3	e0.95	584	10
27	37	422	11	17	20	15	4.2	3.2	4.1	e0.83	138	7.3
28	19	148	12	16	22	14	4.5	3.7	3.7	e0.72	e47	5.9
29	15	84	12	17	---	13	4.6	3.8	4.0	e2.5	e26	5.5
30	18	64	13	18	---	11	4.6	2.2	3.9	e1.7	e16	4.3
31	10	---	13	22	---	11	---	2.0	---	e0.96	e9.9	---
MEAN	20.0	88.9	41.8	104	89.0	14.4	9.66	15.1	170	4.09	64.3	12.1
MAX	132	422	257	683	803	27	59	250	2,810	26	726	139
MIN	0.80	9.6	7.9	11	20	8.5	4.0	2.0	3.7	0.72	0.13	1.9
AC-FT	1,230	5,290	2,570	6,400	4,940	885	575	929	10,140	251	3,950	722

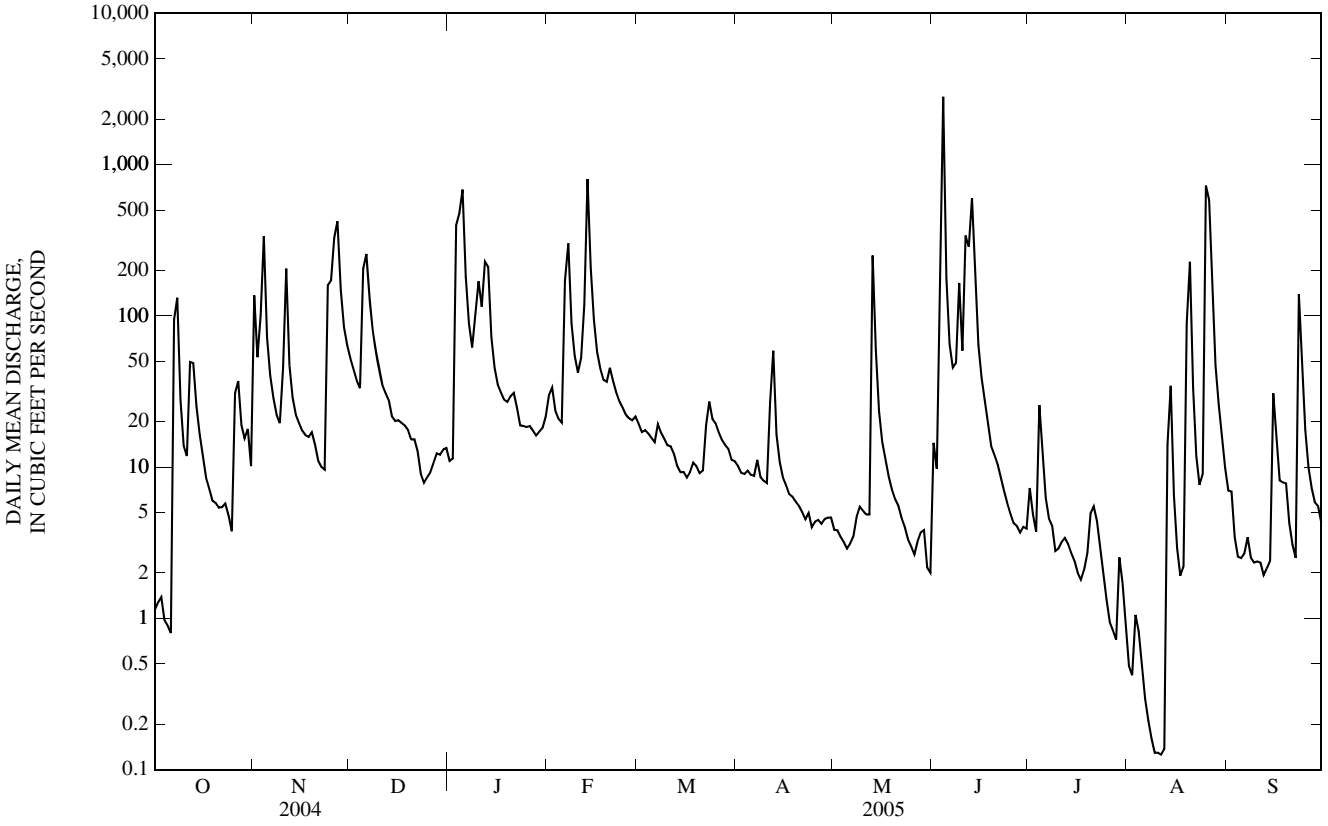
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2005, BY WATER YEAR (WY)

MEAN	25.4	30.0	21.2	17.0	35.8	43.5	52.7	83.5	57.6	26.4	11.6	25.9
MAX	200	200	143	104	208	207	223	450	182	415	70.6	237
(WY)	(1987)	(1999)	(1993)	(2005)	(1985)	(2004)	(1983)	(1995)	(1984)	(1993)	(2004)	(1986)
MIN	0.00	0.02	0.04	0.04	0.45	0.78	1.12	2.29	1.07	0.04	0.00	0.00
(WY)	(1979)	(1981)	(1977)	(1977)	(1977)	(1996)	(1996)	(1988)	(1988)	(1980)	(1991)	(1976)

06893080 BLUE RIVER NEAR STANLEY, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1975 - 2005	
ANNUAL MEAN	64.6		52.3		35.8	
HIGHEST ANNUAL MEAN					104	1993
LOWEST ANNUAL MEAN					4.99	1976
HIGHEST DAILY MEAN	4,450	May 19	2,810	Jun 4	5,520	May 17, 1995
LOWEST DAILY MEAN	0.80	Oct 6	0.13	Aug 9	0.00	Aug 9, 1976
ANNUAL SEVEN-DAY MINIMUM	0.95	Aug 15	0.17	Aug 6	0.00	Aug 9, 1976
MAXIMUM PEAK FLOW			9,150	Jun 4	20,200	May 15, 1990
MAXIMUM PEAK STAGE			16.89	Jun 4	20.51	May 15, 1990
INSTANTANEOUS LOW FLOW			0.09	Aug 9	0.00	most years
ANNUAL RUNOFF (AC-FT)	46,890		37,890		25,950	
10 PERCENT EXCEEDS	95		124		56	
50 PERCENT EXCEEDS	13		12		4.9	
90 PERCENT EXCEEDS	1.9		2.4		0.08	

e Estimated



06893100 BLUE RIVER AT KENNETH ROAD, OVERLAND PARK, KS

LOCATION.--Lat 38°50'32", long 94°36'44", in NE ¼ SE ¼ SE ¼ sec.10, T.14 S., R.25 E., Johnson County, Hydrologic Unit 10300101, on left downstream side of bridge on Kenneth Road.

WATER-DISCHARGE RECORDS

DRAINAGE AREA.--64.17 mi^2.

PERIOD OF RECORD.--May 2003 to current year.

GAGE.--Water-stage recorder. Datum of gage is 857.36 ft above NAVD of 1988. Prior to Aug. 12, gage located 1,200 ft downstream.

REMARKS.--Records good except for periods of low flow after Aug. 12, which are fair. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

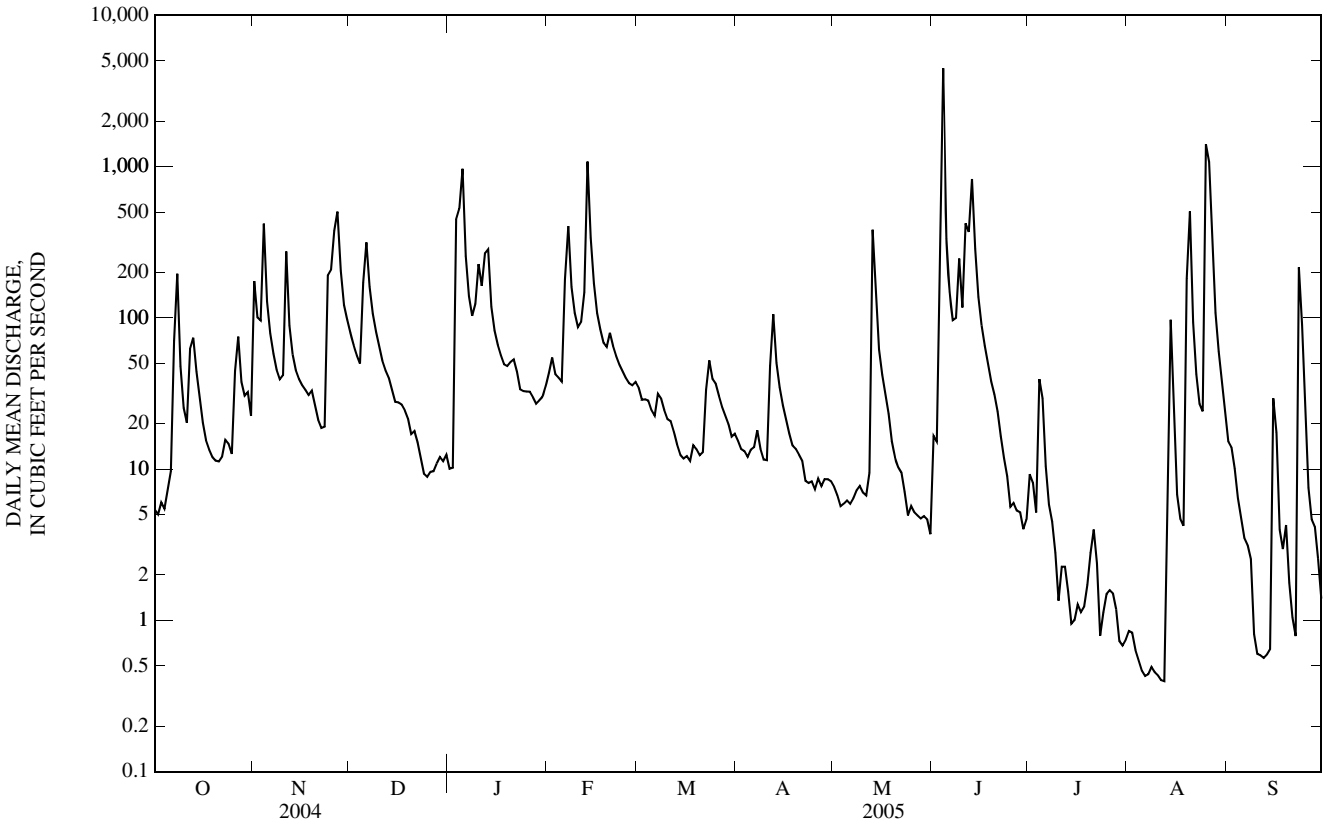
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.4	175	80	10	43	34	15	7.6	17	9.2	0.85	15
2	5.0	101	66	10	55	29	14	6.7	15	8.1	0.83	14
3	6.0	96	57	448	42	29	13	5.7	119	5.2	0.64	10
4	5.5	420	50	529	40	28	12	5.9	4,470	39	0.54	6.4
5	7.2	128	171	968	38	25	13	6.2	334	29	0.47	4.7
6	9.7	79	316	256	180	23	14	5.9	148	10	0.43	3.5
7	70	58	160	139	405	31	18	6.4	97	5.8	0.44	3.1
8	196	45	106	103	160	29	14	7.2	100	4.5	0.49	2.5
9	48	39	81	124	108	25	12	7.7	247	2.8	0.46	0.81
10	25	42	65	227	87	21	11	7.0	117	1.4	0.43	0.60
11	20	274	52	163	94	21	48	6.7	422	2.3	0.40	0.59
12	62	89	45	267	148	18	106	9.5	371	2.3	0.40	0.57
13	74	57	40	284	1,080	15	50	383	829	1.6	15	0.59
14	44	45	33	118	338	12	35	141	286	0.95	97	0.65
15	29	39	28	83	169	12	26	62	138	1.0	24	29
16	20	36	28	67	108	12	21	42	89	1.3	6.8	17
17	15	33	27	57	84	11	17	31	65	1.1	4.7	4.0
18	13	31	25	49	69	14	14	23	50	1.2	4.2	3.0
19	12	33	22	48	64	14	14	15	38	1.7	182	4.3
20	11	27	17	51	80	12	12	12	31	2.8	505	1.8
21	11	21	18	53	65	13	11	10	24	4.0	94	1.0
22	12	19	15	44	56	33	8.4	9.5	16	2.4	42	0.79
23	16	19	12	34	49	52	8.1	7.1	12	0.79	27	216
24	15	191	9.3	33	44	40	8.3	4.9	9.0	1.1	24	90
25	13	208	8.9	33	40	37	7.4	5.7	5.6	1.5	1,400	24
26	45	377	9.6	33	37	31	8.7	5.2	6.0	1.6	1,070	7.5
27	75	504	9.7	30	36	26	7.7	4.9	5.3	1.5	304	4.7
28	38	204	11	27	38	23	8.6	4.7	5.2	1.2	108	4.2
29	31	122	12	29	---	20	8.6	4.9	4.0	0.73	60	2.6
30	32	97	11	30	---	16	8.3	4.7	4.7	0.68	38	1.4
31	22	---	12	35	---	17	---	3.7	---	0.74	24	---
MEAN	31.9	120	51.5	141	134	23.3	18.8	27.6	269	4.76	130	15.8
MAX	196	504	316	968	1,080	52	106	383	4,470	39	1,400	216
MIN	5.0	19	8.9	10	36	11	7.4	3.7	4.0	0.68	0.40	0.57
AC-FT	1,960	7,160	3,170	8,690	7,450	1,430	1,120	1,700	16,020	293	8,010	941

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	18.5	61.3	46.1	80.9	83.7	163	22.0	117	114	22.2	85.9	21.7
MAX	31.9	120	51.5	141	134	302	25.1	306	269	59.8	130	30.4
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2004)	(2005)	(2004)	(2005)	(2003)
MIN	5.07	2.36	40.7	20.4	35.0	23.3	18.8	18.2	17.3	1.92	43.2	15.8
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)	(2003)	(2003)	(2003)	(2003)	(2005)

06893100 BLUE RIVER AT KENNETH ROAD, OVERLAND PARK, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2003 - 2005	
ANNUAL MEAN	93.4		80.0		80.3	
HIGHEST ANNUAL MEAN					80.5	2004
LOWEST ANNUAL MEAN					80.0	2005
HIGHEST DAILY MEAN	7,100	May 19	4,470	Jun 4	7,100	May 19, 2004
LOWEST DAILY MEAN	2.2	Aug 16	0.40	Aug 11	0.00	Jul 21, 2003
ANNUAL SEVEN-DAY MINIMUM	2.4	Aug 15	0.44	Aug 6	0.00	Jul 21, 2003
MAXIMUM PEAK FLOW			10,000	Jun 4	19,200	May 19, 2004
MAXIMUM PEAK STAGE			18.69	Jun 4	20.48	May 19, 2004
INSTANTANEOUS LOW FLOW			0.34	Aug 12	0.00	Jul 20, 2003
ANNUAL RUNOFF (AC-FT)	67,800		57,940		58,160	
10 PERCENT EXCEEDS	122		170		120	
50 PERCENT EXCEEDS	22		22		18	
90 PERCENT EXCEEDS	6.6		1.6		2.3	



06893100 BLUE RIVER AT KENNETH ROAD, OVERLAND PARK, KS—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 2004 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: February 2004 to current year.
pH: February 2004 to current year.
WATER TEMPERATURE: February 2004 to current year.
DISSOLVED OXYGEN: February 2004 to current year.
TURBIDITY (YSI 6136 sensor): February 2004 to current year.

INSTRUMENTATION.--Multiparameter water-quality monitor.

REMARKS.--Records good. Interruptions in record are due to ice conditions, malfunction of the recording instrument or sensors, or during days of no streamflow. Instruments used to measure turbidity conform to ISO 7027 standards and were made using Yellow Springs International (YSI) 6136 sensor.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 791 microsiemens/cm, Feb. 18, 2004; minimum, 148 microsiemens/cm, May 19, 2004.
pH: Maximum, 8.5 standard units, July 12, 2004; minimum, 7.3 standard units, July 14, 2005.
WATER TEMPERATURE: Maximum, 32.6°C, July 23, 2005; minimum, -0.1°C, Jan. 16, 2005.
DISSOLVED OXYGEN: Maximum, 15.8 mg/L, May 5, 2005; minimum, 1.8 mg/L, Aug. 12, 2005.
TURBIDITY (YSI 6136 sensor): Maximum, >1,200 FNU, May 25, 2004; minimum, <2.0 FNU, Feb. 18, 2004.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 730 microsiemens/cm, Dec. 26; minimum, 162 microsiemens/cm, June 4.
pH: Maximum, 8.5 standard units, Aug. 19; minimum, 7.3 standard units, Aug. 2.
WATER TEMPERATURE: Maximum, 32.6°C, July 23; minimum, -0.1°C, Jan. 16.
DISSOLVED OXYGEN: Maximum, 15.8 mg/L, May 5; minimum, 1.8 mg/L, Aug. 12.
TURBIDITY (YSI 6136 sensor): Maximum, 1,200 FNU, Aug. 25; minimum, <2.0 FNU, Dec. 22.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	594	588	590	593	468	545	597	575	586	668	651	659
2	591	587	589	468	449	458	593	577	582	658	630	640
3	596	589	592	520	465	478	609	591	597	725	330	486
4	605	596	601	520	---	---	598	593	595	533	299	404
5	608	604	606	489	403	452	611	419	588	401	295	346
6	617	608	612	552	489	524	419	323	358	493	401	455
7	617	474	582	571	548	556	487	416	459	536	493	517
8	566	357	387	584	571	580	517	487	504	571	536	551
9	402	362	378	596	582	589	560	517	540	616	559	585
10	440	402	424	602	574	595	584	556	565	579	482	513
11	462	440	447	592	352	427	589	575	580	523	494	515
12	530	462	500	476	400	444	615	589	602	550	413	526
13	538	513	523	523	476	499	605	598	600	461	374	415
14	521	495	506	556	523	540	614	605	610	538	461	505
15	506	498	502	578	556	568	633	614	621	591	538	563
16	536	502	520	592	578	586	667	633	653	615	591	600
17	558	536	547	621	592	601	640	630	633	631	615	622
18	583	558	573	639	613	628	653	631	637	634	626	631
19	590	582	585	613	609	610	666	645	653	---	---	---
20	596	590	593	631	609	621	666	644	653	---	---	---
21	604	596	599	622	614	616	661	644	653	630	615	623
22	613	604	609	637	615	622	653	643	646	623	613	619
23	619	613	616	637	606	626	664	653	660	629	613	617
24	633	619	624	606	450	550	680	663	672	630	622	626
25	642	633	638	452	430	442	712	680	701	625	620	623
26	643	576	621	453	378	402	730	712	724	624	620	622
27	635	543	605	430	338	380	722	700	710	659	622	642
28	543	526	535	493	399	452	700	679	691	650	627	633
29	540	524	528	545	493	520	680	659	673	655	621	631
30	573	540	562	583	545	563	659	620	640	629	618	622
31	594	573	582	---	---	---	664	617	629	702	621	640
MONTH	643	357	554	639	338	534	730	323	613	725	295	567

06893100 BLUE RIVER AT KENNETH ROAD, OVERLAND PARK, KS—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	626	611	618	605	592	599	624	610	617	632	623	628
2	646	608	622	604	595	599	632	617	625	632	622	628
3	636	606	617	604	594	599	629	609	621	634	623	629
4	614	604	609	605	598	602	627	611	619	638	624	632
5	604	589	596	605	590	598	637	624	631	670	632	651
6	614	464	581	607	591	600	634	623	629	678	664	672
7	464	394	414	598	589	594	631	621	625	680	640	658
8	518	443	483	612	583	593	643	626	632	641	634	637
9	582	518	552	616	598	608	654	642	650	642	637	640
10	604	566	583	617	602	609	655	644	650	649	640	645
11	617	592	600	611	602	606	651	617	641	648	642	645
12	626	536	587	623	611	617	635	538	587	649	616	644
13	542	332	380	619	604	612	538	488	503	622	365	470
14	489	382	442	615	603	609	553	506	537	473	394	437
15	527	489	511	612	604	608	571	551	558	529	473	501
16	556	527	548	616	603	610	580	570	574	556	529	547
17	584	556	568	615	---	610	585	578	582	579	556	565
18	582	572	576	614	596	606	587	582	585	615	576	600
19	606	579	585	604	591	598	589	582	586	615	608	611
20	610	580	591	609	594	602	594	587	590	612	607	610
21	592	573	580	611	602	606	620	594	608	613	608	610
22	594	579	582	633	605	615	633	617	621	615	610	613
23	607	580	591	643	622	633	638	611	623	619	611	615
24	592	583	587	655	617	638	644	637	639	616	606	611
25	595	586	591	629	609	616	651	629	645	616	606	613
26	602	586	592	636	628	633	654	628	636	614	601	610
27	599	585	590	635	619	628	643	632	639	610	601	606
28	603	586	591	630	612	621	643	629	637	611	599	605
29	---	---	---	623	612	618	637	632	634	616	594	605
30	---	---	---	624	611	618	638	628	634	601	589	598
31	---	---	---	623	608	616	---	---	---	617	598	606
MONTH	646	332	563	655	583	610	655	488	612	680	365	605

06893100 BLUE RIVER AT KENNETH ROAD, OVERLAND PARK, KS—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	624	586	603	590	586	588	524	516	519	534	521	526
2	629	604	619	588	577	583	518	513	515	537	530	533
3	610	408	556	581	564	577	513	507	510	541	536	538
4	409	162	249	593	561	576	507	499	505	545	541	542
5	426	332	387	593	543	574	501	492	497	547	545	546
6	480	426	454	543	506	518	496	490	493	551	547	548
7	514	480	498	512	507	510	495	461	484	557	551	553
8	527	481	518	517	508	514	516	469	482	567	557	561
9	483	383	432	523	514	518	505	481	490	568	565	567
10	472	392	439	515	499	507	500	488	493	568	563	566
11	495	300	415	502	484	494	501	492	495	568	562	565
12	411	302	359	495	489	491	497	445	476	567	559	564
13	383	289	317	497	490	492	535	402	448	566	563	565
14	458	334	406	501	492	496	592	435	529	573	564	568
15	514	458	487	---	493	---	461	429	445	585	509	558
16	526	513	520	503	498	501	468	461	466	560	514	543
17	542	526	535	510	501	505	470	467	469	514	490	496
18	554	541	548	510	497	504	470	461	465	535	491	511
19	563	553	559	508	494	504	469	310	424	574	535	552
20	568	560	565	529	508	520	367	274	319	613	574	595
21	595	567	580	545	526	538	401	343	375	638	613	624
22	597	586	593	556	545	548	439	401	421	651	638	645
23	586	580	583	554	539	545	467	439	453	651	356	520
24	603	580	590	545	533	537	476	457	468	401	356	387
25	616	602	612	539	531	535	468	244	303	449	401	425
26	614	595	607	542	535	538	383	250	311	479	449	466
27	596	588	592	544	536	538	420	305	374	502	479	490
28	592	581	587	546	538	541	467	420	445	516	502	511
29	594	589	591	550	533	540	498	467	483	521	503	512
30	591	584	587	541	527	533	516	498	509	529	502	511
31	---	---	---	533	521	526	526	516	521	---	---	---
MONTH	629	162	513	593	484	530	592	244	458	651	356	536
YEAR	730	162	558									

06893100 BLUE RIVER AT KENNETH ROAD, OVERLAND PARK, KS—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	7.9	7.8	7.8	7.8	7.7	7.8	8.2	8.2	8.2	8.2	8.2	8.2
2	8.0	7.8	7.9	8.0	7.8	7.8	8.2	8.2	8.2	8.2	8.2	8.2
3	8.1	7.8	7.9	8.1	7.9	8.0	8.2	8.2	8.2	8.2	8.0	8.1
4	7.9	7.8	7.8	8.2	8.1	8.1	8.2	8.2	8.2	8.2	8.0	8.1
5	7.9	7.7	7.8	8.2	8.0	8.1	8.2	8.2	8.2	8.0	8.0	8.0
6	7.9	7.8	7.8	8.1	8.1	8.1	8.2	8.0	8.0	8.1	8.0	8.1
7	7.8	7.7	7.8	8.1	8.1	8.1	8.2	8.1	8.1	8.1	8.1	8.1
8	7.8	7.7	7.7	8.1	8.1	8.1	8.2	8.1	8.1	8.1	8.1	8.1
9	7.7	7.7	7.7	8.1	8.1	8.1	8.2	8.2	8.2	8.2	8.1	8.1
10	7.7	7.6	7.7	8.1	8.1	8.1	8.2	8.2	8.2	8.2	8.1	8.1
11	7.7	7.7	7.7	8.1	8.0	8.0	8.2	8.2	8.2	8.1	8.1	8.1
12	7.9	7.7	7.8	8.1	8.0	8.0	8.3	8.2	8.2	8.2	8.1	8.1
13	7.9	7.9	7.9	8.1	8.1	8.1	8.3	8.2	8.3	8.1	8.1	8.1
14	7.9	7.9	7.9	8.2	8.1	8.1	8.3	8.3	8.3	8.2	8.1	8.2
15	7.9	7.8	7.9	8.2	8.1	8.1	8.3	8.3	8.3	8.2	8.2	8.2
16	7.9	7.9	7.9	8.1	8.1	8.1	8.3	8.3	8.3	8.2	8.1	8.2
17	7.9	7.9	7.9	8.1	8.0	8.1	8.3	8.3	8.3	8.2	8.1	8.2
18	7.9	7.8	7.9	8.0	8.0	8.0	8.3	8.3	8.3	8.2	8.2	8.2
19	7.9	7.8	7.9	8.0	8.0	8.0	8.3	8.3	8.3	---	---	---
20	7.9	7.8	7.8	8.1	8.0	8.0	8.3	8.3	8.3	---	---	---
21	7.8	7.8	7.8	8.1	8.0	8.1	8.3	8.2	8.3	8.2	8.2	8.2
22	7.8	7.8	7.8	8.1	8.1	8.1	8.2	8.2	8.2	8.3	8.2	8.3
23	7.9	7.8	7.8	8.1	8.1	8.1	8.2	8.2	8.2	8.3	8.3	8.3
24	7.8	7.8	7.8	8.3	8.1	8.2	8.2	8.2	8.2	8.3	8.2	8.2
25	7.8	7.7	7.8	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
26	7.7	7.6	7.7	8.2	8.1	8.1	8.2	8.1	8.1	8.3	8.2	8.2
27	7.8	7.7	7.8	8.1	8.0	8.1	8.1	8.1	8.1	8.3	8.2	8.3
28	7.7	7.7	7.7	8.1	8.1	8.1	8.2	8.1	8.1	8.3	8.2	8.3
29	7.7	7.6	7.7	8.2	8.1	8.1	8.2	8.1	8.2	8.2	8.2	8.2
30	7.7	7.7	7.7	8.2	8.2	8.2	8.2	8.1	8.2	8.2	8.2	8.2
31	7.7	7.6	7.6	---	---	---	8.2	8.2	8.2	8.2	8.2	8.2
MAX	8.1	7.9	7.9	8.3	8.2	8.2	8.3	8.3	8.3	8.3	8.3	8.3
MIN	7.7	7.6	7.6	7.8	7.7	7.8	8.1	8.0	8.0	8.0	8.0	8.0

06893100 BLUE RIVER AT KENNETH ROAD, OVERLAND PARK, KS—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.3	8.2	8.2	8.2	8.2	8.2	8.3	8.0	8.1	8.0	7.9	8.0
2	8.3	8.2	8.2	8.2	8.2	8.2	8.2	8.0	8.0	8.1	7.9	8.0
3	8.3	8.2	8.3	8.2	8.1	8.2	8.3	8.0	8.0	8.1	7.9	8.0
4	8.3	8.2	8.2	8.2	8.1	8.1	8.2	7.9	8.0	8.2	7.9	8.0
5	8.3	8.2	8.2	8.2	8.1	8.1	8.2	7.9	8.0	8.3	8.0	8.1
6	8.2	8.1	8.2	8.2	8.0	8.1	8.2	7.9	8.0	8.3	8.0	8.1
7	8.1	8.0	8.1	8.2	8.0	8.1	8.0	7.9	7.9	8.2	7.9	8.0
8	8.2	8.1	8.1	8.2	8.0	8.1	8.1	7.9	7.9	8.0	7.8	8.0
9	8.2	8.2	8.2	8.2	8.0	8.1	8.1	7.8	7.9	8.0	7.9	7.9
10	8.2	8.2	8.2	8.3	8.1	8.2	8.1	7.8	7.9	8.0	7.8	7.9
11	8.2	8.2	8.2	8.3	8.1	8.2	8.0	7.9	7.9	7.9	7.7	7.8
12	8.2	8.1	8.2	8.2	8.1	8.2	8.1	7.9	8.0	8.0	7.7	7.8
13	8.2	8.0	8.0	8.2	8.1	8.1	8.0	7.9	7.9	8.1	7.7	7.8
14	8.0	8.0	8.0	8.2	8.1	8.1	8.1	7.9	8.0	7.8	7.8	7.8
15	8.1	8.0	8.0	8.2	8.0	8.1	8.1	8.0	8.0	7.8	7.8	7.8
16	8.0	8.0	8.0	8.2	8.0	8.1	8.1	8.0	8.0	7.8	7.8	7.8
17	8.0	8.0	8.0	8.2	8.1	8.1	8.1	7.9	8.0	7.8	7.8	7.8
18	8.1	8.0	8.1	8.2	8.0	8.1	8.1	7.9	8.0	7.8	7.8	7.8
19	8.1	8.0	8.1	8.2	8.1	8.1	8.1	7.9	8.0	7.8	7.8	7.8
20	8.1	8.0	8.0	8.2	8.0	8.1	7.9	7.8	7.8	7.8	7.7	7.8
21	8.1	8.0	8.1	8.2	8.0	8.1	7.9	7.8	7.8	7.8	7.8	7.8
22	8.1	8.0	8.1	8.2	8.1	8.1	7.9	7.8	7.8	7.8	7.8	7.8
23	8.2	8.0	8.1	8.2	8.0	8.1	8.0	7.9	7.9	7.9	7.7	7.8
24	8.2	8.0	8.1	8.2	8.1	8.2	8.0	7.9	7.9	7.9	7.8	7.8
25	8.2	8.1	8.1	8.2	8.1	8.2	7.9	7.8	7.8	7.9	7.7	7.8
26	8.2	8.1	8.1	8.2	8.1	8.1	8.0	7.8	7.9	8.0	7.8	7.9
27	8.1	8.1	8.1	8.3	8.0	8.1	8.0	7.8	7.9	7.9	7.8	7.9
28	8.2	8.1	8.2	8.3	8.1	8.2	7.9	7.8	7.9	8.1	7.8	7.9
29	---	---	---	8.3	8.1	8.2	8.0	7.8	7.9	8.0	7.6	7.8
30	---	---	---	8.3	8.0	8.2	8.0	7.9	7.9	8.2	7.8	7.9
31	---	---	---	8.3	8.0	8.1	---	---	---	8.0	7.8	7.8
MAX	8.3	8.2	8.3	8.3	8.2	8.2	8.3	8.0	8.1	8.3	8.0	8.1
MIN	8.0	8.0	8.0	8.2	8.0	8.1	7.9	7.8	7.8	7.8	7.6	7.8

06893100 BLUE RIVER AT KENNETH ROAD, OVERLAND PARK, KS—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.0	7.7	7.8	7.9	7.7	7.8	7.6	7.4	7.5	8.0	8.0	8.0
2	7.9	7.7	7.7	7.9	7.7	7.8	7.5	7.3	7.4	8.0	8.0	8.0
3	7.8	7.7	7.7	7.9	7.7	7.8	7.6	7.3	7.4	8.0	8.0	8.0
4	7.8	7.5	7.6	7.8	7.7	7.8	7.8	7.4	7.6	8.1	8.0	8.0
5	7.7	7.6	7.6	7.8	7.7	7.7	7.8	7.6	7.7	8.1	8.0	8.0
6	7.7	7.6	7.7	7.8	7.7	7.8	7.8	7.6	7.7	8.1	8.0	8.0
7	7.7	7.7	7.7	7.8	7.7	7.7	7.8	7.5	7.7	8.0	8.0	8.0
8	7.8	7.7	7.8	7.8	7.7	7.7	7.7	7.5	7.6	8.0	7.9	8.0
9	7.8	7.7	7.7	7.9	7.7	7.8	7.7	7.5	7.6	8.1	8.0	8.0
10	7.7	7.7	7.7	7.7	7.5	7.5	7.7	7.5	7.6	8.1	8.0	8.0
11	7.8	7.7	7.8	7.7	7.4	7.5	7.7	7.5	7.6	8.2	8.0	8.1
12	7.8	7.7	7.7	7.6	7.5	7.5	7.6	7.4	7.6	8.3	8.0	8.1
13	7.8	7.7	7.7	7.5	7.4	7.5	7.9	7.4	7.5	8.1	8.0	8.0
14	---	---	---	7.5	7.3	7.4	8.0	7.8	7.9	8.2	8.0	8.1
15	---	---	---	7.4	7.3	7.4	7.9	7.9	7.9	8.1	7.9	8.0
16	---	---	---	7.4	7.3	7.4	7.9	7.8	7.9	8.1	8.0	8.1
17	---	---	---	7.5	7.4	7.4	7.9	7.8	7.8	8.1	8.0	8.1
18	---	---	---	7.5	7.4	7.4	7.9	7.8	7.8	8.1	8.0	8.0
19	---	---	---	7.5	7.4	7.4	8.5	7.7	7.9	8.0	8.0	8.0
20	---	---	---	7.6	7.4	7.5	8.4	7.8	7.9	8.0	7.9	8.0
21	7.8	---	---	7.6	7.4	7.5	7.9	7.9	7.9	8.0	7.9	8.0
22	7.8	7.7	7.8	7.6	7.4	7.5	7.9	7.8	7.9	8.1	8.0	8.0
23	7.8	7.7	7.8	7.5	7.3	7.5	7.9	7.8	7.9	8.0	7.8	8.0
24	7.8	7.8	7.8	7.5	7.3	7.4	7.9	7.9	7.9	7.9	7.8	7.9
25	7.9	7.7	7.8	7.5	7.4	7.4	7.9	7.7	7.9	7.8	7.8	7.8
26	8.0	7.7	7.8	7.5	7.4	7.4	8.0	7.8	7.9	7.8	7.8	7.8
27	7.8	7.7	7.8	7.6	7.5	7.5	7.9	7.8	7.9	7.8	7.8	7.8
28	7.7	7.7	7.7	7.6	7.5	7.6	8.0	7.9	7.9	7.9	7.8	7.8
29	7.8	7.7	7.7	7.6	7.5	7.6	8.0	8.0	8.0	7.9	7.9	7.9
30	7.8	7.6	7.7	7.6	7.5	7.6	8.0	8.0	8.0	8.0	7.9	7.9
31	---	---	---	7.6	7.5	7.6	8.0	8.0	8.0	---	---	---
MAX	8.0	7.8	7.8	7.9	7.7	7.8	8.5	8.0	8.0	8.3	8.0	8.1
MIN	7.7	7.5	7.6	7.4	7.3	7.4	7.5	7.3	7.4	7.8	7.8	7.8

YEAR				
	MAX	MAXIMUM 8.5	MINIMUM 7.4	
	MIN	MAXIMUM 8.3	MINIMUM 7.3	
	MEDIAN	MAXIMUM 8.3	MINIMUM 7.4	

06893100 BLUE RIVER AT KENNETH ROAD, OVERLAND PARK, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.6	17.4	18.1	16.0	14.5	15.0	5.3	4.5	4.9	7.7	4.6	5.9
2	17.4	14.7	15.9	14.8	13.3	14.2	5.2	4.3	4.6	8.2	6.9	7.7
3	16.1	13.8	15.1	13.3	11.6	12.5	5.2	4.1	4.5	6.9	4.7	5.7
4	16.6	14.8	15.6	11.6	10.6	11.0	5.3	4.0	4.5	5.0	3.1	4.6
5	15.4	13.6	14.7	11.3	10.2	10.7	5.7	4.3	4.9	3.2	2.0	2.5
6	15.9	13.8	14.9	11.7	10.3	11.0	7.6	5.5	6.4	2.0	1.1	1.4
7	16.4	15.3	15.7	12.5	11.2	11.6	8.0	7.3	7.7	1.8	1.1	1.4
8	17.4	15.8	16.9	11.9	10.6	11.2	7.3	6.5	6.8	2.5	1.8	2.2
9	18.2	16.9	17.5	11.2	10.1	10.7	7.2	6.5	6.8	3.8	2.2	2.7
10	17.5	16.6	17.1	11.2	10.0	10.7	6.8	6.1	6.6	3.8	2.8	3.2
11	16.9	15.5	16.1	11.8	10.2	11.0	6.4	5.7	6.0	3.1	2.9	3.0
12	15.5	13.9	14.8	10.2	8.8	9.6	6.2	5.4	5.8	4.2	3.0	3.3
13	14.1	13.3	13.7	8.8	7.7	8.4	5.4	3.9	4.8	3.0	1.8	2.3
14	13.7	12.8	13.2	8.2	7.4	7.8	3.9	2.3	3.1	1.8	-0.1	0.6
15	13.0	12.3	12.7	8.8	7.8	8.2	2.3	1.5	2.0	0.2	-0.1	0.0
16	12.6	11.4	12.0	10.5	8.8	9.7	2.3	1.1	1.6	0.4	-0.1	0.1
17	12.8	11.2	12.1	12.5	10.4	11.5	3.0	1.4	2.2	0.5	0.0	0.2
18	13.2	12.5	12.8	13.0	12.2	12.7	3.7	2.4	3.0	0.7	0.0	0.3
19	12.9	12.4	12.7	13.5	12.9	13.2	3.0	1.5	2.1	---	0.2	---
20	13.0	12.6	12.8	13.1	12.2	12.7	2.4	1.2	1.9	2.3	---	---
21	13.9	12.9	13.4	12.2	10.8	11.4	2.1	0.8	1.4	3.4	1.9	2.8
22	15.8	13.9	15.0	10.8	10.3	10.5	0.8	0.1	0.3	3.3	1.4	2.2
23	16.4	14.7	15.7	10.3	9.0	9.9	0.7	0.1	0.3	1.8	0.6	1.2
24	15.3	13.7	14.4	9.0	4.9	6.7	0.7	0.1	0.3	1.7	0.2	0.9
25	15.2	14.1	14.6	5.3	4.3	4.6	0.9	0.3	0.6	2.0	0.5	1.2
26	16.1	14.9	15.4	7.8	5.3	6.3	1.2	0.4	0.7	2.7	1.3	2.0
27	16.5	15.1	16.1	8.7	7.7	8.1	1.5	0.5	0.9	3.2	2.1	2.6
28	17.6	16.4	17.0	7.7	6.5	6.8	2.1	0.8	1.4	3.1	2.2	2.6
29	18.8	17.4	18.0	6.7	6.5	6.6	1.9	0.8	1.4	3.2	2.4	2.8
30	18.0	16.3	17.0	6.5	5.3	6.1	4.3	1.9	3.2	3.1	2.6	2.9
31	16.5	15.3	16.0	---	---	---	4.6	2.8	3.6	3.6	2.5	3.1
MONTH	18.8	11.2	15.1	16.0	4.3	10.0	8.0	0.1	3.4	8.2	-0.1	2.5

06893100 BLUE RIVER AT KENNETH ROAD, OVERLAND PARK, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.2	3.2	3.6	6.3	4.5	5.3	14.5	11.3	12.5	14.6	11.4	12.9
2	4.3	3.2	3.7	5.9	3.6	4.6	14.4	10.2	12.3	14.8	11.0	12.9
3	4.4	2.6	3.4	6.9	3.8	5.2	15.8	11.7	13.5	15.5	11.3	13.6
4	4.3	2.5	3.4	8.3	5.0	6.6	17.3	13.1	15.1	15.7	12.3	14.3
5	5.0	3.5	4.2	9.3	6.4	7.7	16.5	14.9	15.7	16.5	13.2	15.0
6	6.2	4.6	5.3	10.4	7.3	8.9	18.6	15.3	16.7	19.0	14.7	16.9
7	6.0	4.4	5.3	10.1	8.4	9.3	16.9	15.4	15.9	19.9	17.3	18.7
8	4.4	2.4	3.4	9.1	7.8	8.5	17.8	14.0	15.8	19.3	18.1	18.8
9	2.4	1.6	2.0	9.2	7.4	8.1	17.9	15.6	16.8	21.0	17.5	19.3
10	2.5	1.5	1.9	8.9	6.5	7.6	19.0	15.9	17.4	23.8	19.0	21.3
11	3.4	1.8	2.7	8.9	5.9	7.5	18.2	16.8	17.5	23.8	21.8	22.5
12	5.0	3.1	4.1	10.2	7.2	8.6	17.2	15.0	16.4	22.7	20.3	21.5
13	7.0	5.0	6.3	9.3	6.9	8.0	16.2	14.1	14.9	21.4	17.4	18.3
14	8.1	6.2	6.9	9.7	6.6	8.1	16.6	13.1	14.7	18.5	17.4	17.8
15	8.3	7.9	8.1	9.4	7.2	8.4	17.0	14.3	15.6	19.0	16.9	17.8
16	7.9	6.6	7.3	10.2	7.0	8.5	18.0	14.7	16.4	19.0	15.8	17.3
17	6.9	5.8	6.3	10.5	7.4	8.7	19.0	15.5	17.3	19.5	16.2	17.9
18	6.6	5.6	5.9	10.6	7.6	9.0	18.9	16.9	18.0	19.0	17.7	18.5
19	6.0	5.6	5.8	10.2	7.3	8.8	20.0	17.5	18.7	22.8	18.2	20.4
20	7.7	5.8	6.9	10.9	7.5	9.2	20.4	18.4	19.3	23.6	20.6	22.1
21	8.3	7.6	8.0	9.9	8.8	9.4	22.2	19.4	20.6	23.6	19.9	21.8
22	8.2	7.1	7.5	8.8	7.4	8.0	20.7	16.5	18.7	24.8	21.8	23.2
23	7.6	6.9	7.2	7.8	6.9	7.4	17.7	14.7	16.1	25.1	21.3	23.3
24	7.9	6.3	6.9	7.0	6.4	6.7	17.6	14.1	15.8	24.0	22.0	22.7
25	8.1	5.8	6.8	7.1	6.7	6.9	16.0	13.9	14.8	24.0	20.7	22.4
26	7.6	5.8	6.8	7.2	6.5	6.9	15.1	12.9	13.9	23.8	20.6	22.2
27	7.6	7.0	7.3	9.7	6.1	7.7	15.8	12.6	14.1	22.1	19.6	20.7
28	7.0	5.5	6.5	10.8	6.8	8.8	14.4	12.7	13.6	23.3	18.4	20.7
29	---	---	---	12.3	9.1	10.8	12.7	11.4	12.0	23.8	20.3	22.0
30	---	---	---	12.7	11.3	11.9	14.2	10.3	12.2	22.5	20.3	21.5
31	---	---	---	12.5	10.3	11.5	---	---	---	23.2	20.1	21.8
MONTH	8.3	1.5	5.5	12.7	3.6	8.1	22.2	10.2	15.7	25.1	11.0	19.4

06893100 BLUE RIVER AT KENNETH ROAD, OVERLAND PARK, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.4	20.8	21.4	27.0	24.0	25.3	28.3	25.1	26.6	24.3	23.0	23.5
2	22.2	19.5	20.9	26.9	24.0	25.4	28.0	26.0	27.0	24.1	22.7	23.3
3	21.6	19.3	20.4	27.1	24.4	25.8	28.5	26.3	27.4	24.6	22.7	23.5
4	21.1	18.0	19.4	25.8	24.0	24.7	29.7	26.7	27.6	24.8	23.0	23.9
5	21.3	20.1	20.7	25.2	23.0	24.1	27.4	24.8	25.7	25.1	23.0	24.0
6	22.0	21.0	21.4	25.8	23.1	24.5	26.9	23.4	25.0	24.8	22.9	24.0
7	23.2	21.1	22.0	26.7	23.8	25.3	26.7	24.0	25.4	25.5	23.2	24.3
8	24.3	22.1	23.1	27.6	24.5	26.1	27.4	24.6	26.0	25.1	23.7	24.3
9	23.1	22.0	22.4	28.6	25.1	26.8	28.9	25.1	26.8	25.6	23.5	24.4
10	23.0	22.0	22.4	28.8	25.8	27.2	29.2	26.0	27.5	25.7	23.7	24.5
11	22.1	21.1	21.6	28.2	26.5	27.4	30.0	26.6	28.0	25.6	23.2	24.3
12	23.2	21.6	22.1	28.2	26.1	27.1	28.6	26.8	27.6	25.3	23.7	24.5
13	23.2	20.8	21.8	28.4	25.9	27.1	27.1	24.8	25.9	24.3	23.1	23.5
14	22.1	21.0	21.5	28.6	25.9	27.2	25.1	22.8	23.9	23.4	21.7	22.5
15	22.6	21.5	21.9	29.1	26.2	27.6	22.8	22.1	22.4	21.7	20.0	20.9
16	23.4	21.5	22.3	29.8	26.6	28.1	23.7	22.2	22.9	20.3	18.7	19.6
17	24.6	22.0	23.1	30.0	27.0	28.4	25.0	22.9	23.8	20.0	18.4	19.3
18	24.8	21.8	23.2	29.4	27.1	28.1	27.4	24.4	25.6	21.6	19.5	20.4
19	24.6	21.7	23.1	27.7	25.9	26.4	27.1	23.5	25.3	22.8	20.7	21.7
20	25.1	22.0	23.5	29.6	25.4	27.4	24.8	23.5	24.0	23.9	21.9	22.6
21	25.4	22.7	23.9	29.9	27.4	28.7	24.6	23.6	24.0	24.4	21.9	23.2
22	26.6	23.5	25.0	30.9	27.9	29.4	25.1	23.6	24.2	25.1	23.2	24.0
23	27.0	24.1	25.6	32.6	28.0	30.0	24.4	23.1	23.8	23.8	21.4	22.1
24	27.7	24.9	26.3	31.9	27.9	30.0	23.8	22.8	23.3	22.5	21.5	22.0
25	28.4	25.6	27.1	31.5	28.6	30.0	23.5	22.1	22.3	23.6	22.0	22.7
26	28.6	26.1	27.6	30.0	26.6	28.5	23.7	21.8	22.6	23.2	22.2	22.7
27	29.2	26.3	27.9	26.8	24.4	25.7	23.8	22.9	23.4	22.8	21.3	22.0
28	28.4	26.6	27.1	26.8	23.2	24.9	24.7	23.7	24.1	22.1	19.4	20.8
29	29.0	25.6	27.2	27.2	23.1	25.2	24.8	23.3	23.9	19.4	18.0	18.7
30	27.9	25.1	26.6	27.8	23.8	25.7	24.5	22.8	23.7	19.0	17.4	18.3
31	---	---	---	28.4	24.4	26.2	24.5	22.8	23.7	---	---	---
MONTH	29.2	18.0	23.4	32.6	23.0	26.9	30.0	21.8	24.9	25.7	17.4	22.5
YEAR	32.6	-0.1	14.9									

06893100 BLUE RIVER AT KENNETH ROAD, OVERLAND PARK, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	8.3	5.7	7.3	12.6	12.1	12.4	13.6	11.3	12.3
2	10.2	6.7	8.1	8.6	8.0	8.2	12.8	12.5	12.6	11.6	10.4	10.9
3	11.6	7.2	8.9	9.5	8.4	8.8	12.8	12.5	12.6	12.0	10.6	11.3
4	9.2	6.6	7.8	11.4	9.5	10.3	12.9	12.4	12.7	12.4	11.7	11.9
5	8.7	6.5	7.6	10.1	9.8	9.9	12.6	12.1	12.4	12.9	12.4	12.7
6	9.2	7.1	8.0	9.8	9.2	9.5	12.3	11.5	11.9	13.2	12.8	13.0
7	8.4	7.4	7.7	9.3	9.1	9.2	11.6	11.2	11.4	13.1	12.8	12.9
8	8.6	7.8	8.1	9.5	9.1	9.3	12.0	11.6	11.7	12.8	12.4	12.6
9	7.8	7.1	7.5	9.8	9.2	9.5	12.0	11.6	11.8	12.5	12.1	12.4
10	7.3	7.0	7.1	9.9	9.3	9.5	11.9	11.7	11.8	12.2	11.9	12.1
11	7.3	7.0	7.1	9.7	9.2	9.5	12.4	11.8	12.1	---	---	---
12	8.5	7.2	7.8	10.2	9.7	9.9	12.6	12.0	12.3	---	---	---
13	9.0	8.5	8.8	10.7	10.2	10.5	13.1	12.2	12.7	---	---	---
14	9.0	8.6	8.8	11.1	10.6	10.9	13.9	12.8	13.4	---	---	---
15	9.0	8.5	8.7	11.0	10.4	10.7	14.4	13.6	14.0	---	---	---
16	9.2	8.6	8.9	10.4	9.8	10.2	14.7	14.2	14.3	---	---	---
17	9.2	8.6	8.8	9.8	9.0	9.5	14.4	13.8	14.2	---	---	---
18	8.8	8.3	8.5	9.0	8.4	8.8	14.1	13.6	13.8	---	---	---
19	8.7	8.2	8.4	8.6	8.2	8.3	14.5	13.6	14.0	---	---	---
20	8.4	8.0	8.2	9.0	8.2	8.5	14.4	13.8	14.0	---	11.5	---
21	8.1	7.6	7.9	9.1	8.5	8.8	14.8	13.9	14.2	11.5	11.1	11.4
22	7.6	7.0	7.4	9.2	8.8	9.0	14.9	14.0	14.4	12.1	11.1	11.7
23	7.8	6.7	7.2	9.7	8.9	9.2	15.2	14.3	14.6	12.6	11.9	12.3
24	7.6	6.9	7.1	11.9	9.7	10.8	15.5	14.4	14.8	13.1	12.5	12.8
25	7.3	6.4	6.8	12.3	11.8	12.0	15.3	14.1	14.6	13.0	12.4	12.8
26	6.5	5.8	6.3	12.0	11.1	11.7	15.3	14.1	14.6	12.9	12.2	12.5
27	7.3	6.0	6.8	11.2	10.6	11.0	15.3	14.0	14.5	12.9	12.0	12.4
28	6.5	6.0	6.3	11.7	11.2	11.5	15.0	13.7	14.2	13.2	12.1	12.5
29	6.1	5.6	5.9	11.6	11.5	11.5	14.9	13.5	14.1	13.5	12.2	12.7
30	6.0	5.5	5.8	12.1	11.6	11.8	14.5	13.0	13.6	13.4	12.2	12.7
31	5.8	5.4	5.6	---	---	---	14.6	12.7	13.3	13.7	12.2	12.8
MONTH	11.6	5.4	7.6	12.3	5.7	9.9	15.5	11.2	13.3	13.7	10.4	12.3

06893100 BLUE RIVER AT KENNETH ROAD, OVERLAND PARK, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	13.9	12.3	12.9	13.8	11.9	12.8	14.5	9.3	11.4	13.6	9.3	11.1
2	13.7	12.4	12.9	14.5	12.9	13.5	14.9	9.2	11.4	13.5	9.4	11.2
3	14.2	12.3	13.1	14.8	12.6	13.6	14.8	9.1	11.4	14.4	9.2	11.7
4	14.2	12.6	13.1	14.7	12.2	13.3	14.2	8.8	11.0	15.0	9.1	12.3
5	14.2	12.5	13.1	14.6	11.8	12.9	11.9	8.2	9.8	15.8	10.0	12.8
6	12.6	11.4	12.1	14.4	11.1	12.4	13.2	7.9	10.0	14.9	9.7	12.4
7	12.0	11.4	11.7	12.8	10.7	11.5	10.0	7.5	8.6	12.9	8.3	10.8
8	12.8	12.0	12.3	12.8	10.8	11.5	13.2	7.6	9.6	10.0	7.0	8.5
9	13.6	12.8	13.2	14.1	10.8	12.2	11.5	7.3	9.0	10.2	6.1	8.1
10	14.0	13.5	13.7	14.4	11.3	12.6	12.7	7.0	9.2	9.5	5.4	7.5
11	13.9	13.2	13.6	14.7	11.8	12.9	9.2	7.5	8.2	7.7	4.3	6.0
12	13.3	12.2	12.8	14.5	11.5	12.7	8.9	7.8	8.5	8.7	4.6	6.4
13	12.3	11.3	11.6	14.6	11.4	12.6	9.2	8.6	8.8	8.0	5.9	7.2
14	11.7	11.2	11.5	14.8	11.3	12.6	10.4	8.6	9.3	8.0	7.7	7.8
15	11.5	10.8	11.1	14.8	10.9	12.5	10.9	8.6	9.4	7.8	7.5	7.6
16	12.0	11.2	11.6	15.1	11.3	12.9	11.8	8.3	9.6	8.0	7.4	7.7
17	12.4	12.0	12.1	14.4	11.4	12.5	12.1	8.0	9.5	8.2	---	7.7
18	12.8	12.2	12.4	13.8	10.9	12.1	11.2	7.5	9.0	7.8	7.0	7.4
19	12.6	12.0	12.4	14.5	10.6	12.2	11.1	7.3	8.7	7.9	6.6	7.1
20	12.2	11.6	11.9	14.7	10.6	12.3	9.6	6.6	7.7	7.7	6.0	6.7
21	11.9	11.2	11.6	12.7	10.4	11.3	9.9	6.2	7.6	8.4	6.0	7.1
22	12.3	11.0	11.5	11.9	10.5	11.1	8.9	6.0	7.2	8.7	6.0	7.1
23	12.3	11.0	11.6	12.6	10.8	11.6	10.9	7.2	8.7	9.2	5.8	7.2
24	12.8	11.1	11.8	13.1	11.3	12.0	11.0	7.6	9.0	7.9	5.6	6.6
25	13.1	11.5	12.1	12.7	11.5	12.0	9.2	7.3	8.2	8.1	5.3	6.4
26	13.2	11.5	12.2	13.4	11.4	12.1	11.3	7.2	8.8	9.4	5.7	7.3
27	12.9	11.5	12.0	15.4	11.2	12.9	11.6	7.8	9.3	8.2	5.9	7.0
28	12.8	11.6	12.1	15.8	11.2	13.1	10.5	8.1	9.1	9.9	5.2	7.4
29	---	---	---	15.1	11.1	12.7	11.2	8.5	9.4	10.1	4.4	7.1
30	---	---	---	12.9	9.9	11.1	13.2	9.0	10.7	11.6	6.6	8.6
31	---	---	---	14.2	9.6	11.3	---	---	---	9.8	6.0	7.8
MONTH	14.2	10.8	12.3	15.8	9.6	12.3	14.9	6.0	9.3	15.8	4.3	8.3

06893100 BLUE RIVER AT KENNETH ROAD, OVERLAND PARK, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.9	5.2	6.8	9.0	4.3	6.4	7.2	3.8	5.3	6.5	6.1	6.3
2	7.5	5.2	6.1	9.5	5.7	7.6	6.2	3.6	4.7	6.7	6.0	6.3
3	7.2	4.6	5.9	9.9	5.6	7.5	5.5	2.2	4.0	7.0	6.0	6.3
4	7.9	6.9	7.3	7.2	5.4	6.1	6.9	2.1	3.8	7.4	6.0	6.5
5	7.8	7.4	7.6	7.1	5.5	6.1	6.3	2.5	4.3	7.6	5.8	6.5
6	7.4	7.2	7.3	7.1	5.0	5.9	6.1	2.9	4.3	7.3	5.8	6.5
7	7.3	6.9	7.2	7.1	4.6	5.7	6.2	2.4	4.0	7.6	5.8	6.5
8	7.2	6.9	7.0	8.3	4.9	6.3	5.6	2.2	3.7	7.4	5.7	6.4
9	7.3	6.8	7.1	8.8	4.9	6.6	5.5	2.2	3.7	8.0	5.6	6.6
10	7.0	6.8	6.9	7.7	4.4	6.0	5.7	2.1	3.7	7.6	5.8	6.5
11	7.8	6.9	7.4	8.9	4.0	6.1	5.8	1.8	3.5	8.5	5.8	7.0
12	7.7	7.1	7.5	7.8	4.1	5.8	5.4	1.8	3.1	9.7	5.8	7.5
13	8.0	7.1	7.6	6.3	3.3	4.9	5.6	2.3	3.8	7.2	5.4	6.2
14	7.8	7.1	7.4	5.7	3.2	4.2	6.4	5.0	5.9	9.3	5.3	6.8
15	7.1	6.9	7.0	6.1	2.8	4.0	6.3	6.0	6.2	7.2	5.7	6.3
16	7.0	6.7	6.9	6.6	2.7	4.2	6.2	5.6	5.9	7.4	6.3	7.0
17	6.8	6.5	6.7	6.5	3.1	4.6	6.1	5.1	5.7	7.7	6.8	7.1
18	6.9	6.4	6.6	6.0	3.6	4.3	6.7	5.2	5.9	7.9	6.6	7.2
19	7.1	6.4	6.6	4.2	3.2	3.6	7.0	5.3	6.2	7.6	6.5	6.8
20	7.1	6.3	6.6	5.7	2.2	3.8	7.4	6.8	7.1	7.3	6.0	6.5
21	7.4	6.2	6.7	6.2	2.3	4.3	7.0	6.6	6.9	7.4	5.8	6.5
22	7.6	6.1	6.7	6.5	2.4	4.2	6.8	6.4	6.6	8.0	5.8	6.6
23	8.2	6.0	7.0	6.3	2.7	4.2	6.4	6.1	6.3	7.1	5.3	6.6
24	9.1	6.0	7.5	6.4	2.6	4.2	6.7	6.1	6.4	7.0	6.4	6.7
25	10.5	6.3	8.2	6.8	2.9	4.5	8.1	6.0	7.6	6.4	6.2	6.3
26	12.6	7.1	9.4	4.5	2.9	3.6	8.1	7.5	7.9	6.4	6.1	6.2
27	10.3	7.4	8.9	6.0	2.5	3.9	7.7	7.5	7.7	6.4	6.0	6.2
28	8.0	5.2	6.6	7.2	3.6	4.8	7.5	7.2	7.3	6.6	6.0	6.3
29	9.1	4.8	6.7	7.1	3.6	4.9	7.4	7.1	7.2	7.2	6.4	6.8
30	7.4	4.4	5.7	7.3	3.3	5.1	7.4	7.0	7.1	7.2	6.7	7.0
31	---	---	---	7.6	3.7	5.5	7.0	6.4	6.8	---	---	---
MONTH	12.6	4.4	7.1	9.9	2.2	5.1	8.1	1.8	5.6	9.7	5.3	6.6
YEAR	15.8	1.8	9.0									

06893100 BLUE RIVER AT KENNETH ROAD, OVERLAND PARK, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	8.2	5.2	6.9	68	15	40	11	7.5	8.6	5.2	2.3	3.8
2	7.9	5.1	6.5	54	34	42	7.6	6.6	7.0	8.9	5.1	7.1
3	6.7	5.2	5.9	64	25	32	7.1	5.5	6.2	490	8.3	180
4	6.3	4.9	5.6	---	52	---	6.1	4.8	5.3	480	62	140
5	7.4	4.2	5.6	55	21	36	270	5.0	33	480	47	150
6	7.4	4.9	5.8	22	18	20	360	60	160	48	21	31
7	130	5.7	33	19	16	17	62	30	43	22	14	17
8	310	89	130	17	14	15	33	23	30	18	12	14
9	89	49	69	16	9.7	12	23	17	20	17	10	13
10	49	36	41	33	8.7	13	18	12	15	29	17	24
11	37	32	34	150	33	97	12	8.1	9.7	20	16	18
12	43	25	34	70	32	48	8.3	7.0	7.7	160	14	39
13	29	24	27	32	16	24	7.7	5.7	6.6	170	39	84
14	28	23	25	17	11	13	5.9	4.0	4.9	39	16	24
15	27	22	24	12	10	11	4.5	3.7	4.1	17	10	13
16	24	19	21	14	11	13	4.0	3.0	3.4	11	7.6	8.9
17	19	14	16	18	14	16	3.4	2.6	3.0	8.2	5.6	6.7
18	16	12	14	19	16	17	3.3	2.5	2.8	6.1	4.7	5.2
19	15	11	13	23	15	19	3.5	2.5	2.9	---	---	---
20	14	11	12	28	15	20	3.5	2.5	2.8	---	---	---
21	14	10	12	37	15	28	3.0	2.0	2.4	7.8	4.0	6.1
22	12	7.9	10	23	12	14	2.5	<2.0	2.1	9.0	5.8	7.5
23	10	8.3	9.3	15	10	12	2.5	<2.0	2.1	5.9	4.5	5.1
24	12	8.7	9.8	56	15	35	2.5	<2.0	2.1	5.3	3.8	4.4
25	9.8	6.1	7.3	57	36	43	2.3	<2.0	2.0	4.2	3.3	3.7
26	38	5.8	17	75	40	54	2.6	<2.0	2.0	5.8	3.3	4.1
27	50	22	33	210	38	100	2.1	<2.0	<2.0	6.8	5.0	5.7
28	44	17	27	60	24	38	4.2	<2.0	<2.0	6.1	3.6	4.6
29	17	12	15	24	16	19	<2.0	<2.0	<2.0	5.1	3.6	4.0
30	15	11	13	16	11	14	2.5	<2.0	<2.0	5.7	3.9	4.8
31	16	12	14	---	---	---	2.4	<2.0	2.1	8.1	4.4	6.6
MONTH	310	4.2	22	210	8.7	30	360	<2.0	13	490	2.3	29

06893100 BLUE RIVER AT KENNETH ROAD, OVERLAND PARK, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU—CONTINUED

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	7.1	5.0	5.8	10	4.2	7.4	8.9	6.7	7.9	---	---	---
2	10	6.9	8.7	4.6	3.3	3.8	8.5	5.7	7.3	---	---	---
3	9.9	7.4	8.5	4.5	3.3	3.8	7.5	6.2	6.9	5.7	4.0	4.9
4	11	9.2	9.8	7.3	4.0	4.9	8.9	7.0	7.9	7.1	3.9	5.3
5	11	8.8	10	12	7.0	8.9	9.1	7.0	7.9	8.6	6.0	7.1
6	300	9.2	51	16	9.9	12	9.2	6.0	7.5	9.8	6.5	7.8
7	300	77	170	20	13	15	11	7.2	9.1	13	6.6	8.6
8	77	36	48	15	12	13	12	7.3	9.8	14	7.6	10
9	36	15	23	13	8.0	10	9.5	6.7	8.3	14	8.0	10
10	15	11	12	8.3	5.1	6.4	12	6.5	8.1	---	---	---
11	11	8.7	9.4	7.7	5.8	6.5	130	7.9	23	---	---	---
12	60	10	20	9.0	6.5	7.3	55	24	33	43	5.5	12
13	520	60	320	11	8.7	9.5	68	44	56	710	20	240
14	150	47	77	12	9.1	10	44	19	28	210	60	110
15	47	28	37	12	8.8	10	20	16	18	61	34	45
16	29	21	25	10	7.0	8.5	18	11	15	36	25	31
17	21	15	18	8.4	6.5	7.5	15	10	12	28	18	24
18	18	13	14	10	8.1	9.1	14	9.0	11	24	17	20
19	17	11	12	11	7.9	9.4	13	7.7	10	20	11	16
20	15	10	12	10	7.3	8.8	12	7.9	9.6	15	11	13
21	20	14	17	11	8.0	8.9	11	5.3	8.0	15	9.7	12
22	22	15	18	11	8.9	9.9	10	6.9	8.3	14	9.2	11
23	18	13	16	13	7.4	9.6	10	6.1	8.0	13	8.2	10
24	15	10	13	8.6	6.8	7.7	8.8	5.5	6.9	12	5.9	8.6
25	11	8.7	9.7	9.2	7.7	8.6	8.5	4.6	6.4	11	7.4	8.4
26	11	8.3	9.6	10	8.1	9.0	9.1	4.9	6.4	9.7	6.0	8.0
27	13	10	11	10	8.0	9.1	9.5	5.5	7.2	9.5	6.2	7.2
28	12	10	11	8.9	6.2	7.1	8.2	5.0	6.5	9.4	6.2	7.6
29	---	---	---	8.6	6.6	7.2	7.5	4.6	6.1	11	5.4	7.6
30	---	---	---	10	8.3	9.1	8.2	4.6	6.1	10	6.1	8.3
31	---	---	---	11	8.1	9.5	---	---	---	9.5	4.8	7.3
MONTH	520	5.0	36	20	3.3	8.6	130	4.6	12	710	3.9	24

06893100 BLUE RIVER AT KENNETH ROAD, OVERLAND PARK, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU—CONTINUED

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18	7.7	13	11	6.5	8.6	11	3.9	5.8	22	16	19
2	16	8.7	12	12	6.5	9.6	10	2.9	5.6	19	12	16
3	220	9.3	66	17	6.6	11	24	<2.0	6.1	16	10	13
4	>1,170	140	>470	50	11	22	21	<2.0	5.5	14	7.4	11
5	140	43	76	20	9.8	15	9.1	3.0	5.4	11	7.0	9.2
6	43	27	34	16	9.4	12	13	3.2	7.1	12	6.8	8.9
7	31	22	25	15	9.4	11	38	3.2	14	12	6.3	8.1
8	110	19	27	14	7.4	11	31	3.9	15	17	6.2	8.6
9	150	42	110	15	6.7	9.9	25	<2.0	10	12	6.2	8.4
10	250	52	73	11	5.2	8.2	22	4.3	10	13	3.6	7.8
11	420	52	190	12	6.8	8.6	22	4.5	9.9	22	5.0	8.0
12	250	82	130	10	5.7	8.4	16	5.5	9.7	12	3.7	6.7
13	520	110	230	11	4.6	7.8	230	7.2	45	12	5.1	7.6
14	110	36	57	10	5.2	7.5	68	29	47	13	5.7	8.5
15	40	32	35	10	5.6	7.3	57	37	45	200	8.7	34
16	36	28	32	8.4	4.6	6.7	41	27	33	43	22	26
17	34	23	30	8.5	5.1	6.5	31	20	25	40	20	23
18	32	21	26	13	4.7	8.3	57	22	31	78	18	25
19	33	16	24	15	6.2	9.4	390	26	110	29	17	20
20	21	15	18	10	5.2	7.6	580	97	270	13	11	16
21	20	12	15	11	5.6	7.4	99	60	81	18	9.7	12
22	17	9.4	13	9.7	3.2	5.8	70	47	58	20	9.3	11
23	16	7.7	11	7.5	3.2	5.1	66	41	50	300	11	110
24	13	6.6	9.2	16	3.5	6.7	59	34	42	140	58	78
25	9.9	4.9	7.2	11	3.5	6.4	1,200	40	350	64	32	45
26	9.2	4.7	6.7	10	4.5	6.5	780	60	170	41	28	35
27	8.8	4.3	6.2	11	5.2	7.8	98	39	56	36	25	29
28	9.2	4.1	6.2	12	4.9	8.2	39	29	33	33	25	28
29	8.1	4.4	6.0	13	4.5	7.6	32	24	28	30	21	24
30	8.2	5.6	6.8	13	3.6	7.8	32	20	26	31	13	21
31	---	---	---	16	3.6	8.6	27	16	22	---	---	---
MONTH	1,170	4.1	59	50	3.2	8.8	1,200	<2.0	52	300	3.6	23
YEAR	1,200	<2.0	26									

< Actual value is known to be less than the value shown
> Actual value is known to be greater than the value shown

06893300 INDIAN CREEK AT OVERLAND PARK, KS

LOCATION.--Lat 38°56'26", long 94°40'16", in NW ¼ NE ¼ NE ¼ sec.7, T.13 S., R.25 E., Johnson County, Hydrologic Unit 10300001, on right bank at downstream side of Marty Street bridge in Overland Park and at mile 10.1.

DRAINAGE AREA.--26.6 mi^2.

PERIOD OF RECORD.--March 1963 to current year.

GAGE.--Water-stage recorder. Datum of gage is 856.88 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to May 17, 1977, water-stage recorder at site 700 ft downstream at same datum.

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

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 3	0945	1,210	9.38	Jul 3	2200	1,140	9.04
Jan 4	1930	1,070	9.15	Aug 13	1645	1,800	9.99
May 13	0100	1,180	9.11	Aug 20	0300	4,110	12.26
Jun 3	1100	1,100	8.98	Aug 25	0515	1,780	9.96
Jun 4	0500	*5,210	*13.17	Aug 26	0900	3,000	11.29
Jun 12	1900	1,650	9.79	Sep 23	0500	1,150	9.07

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

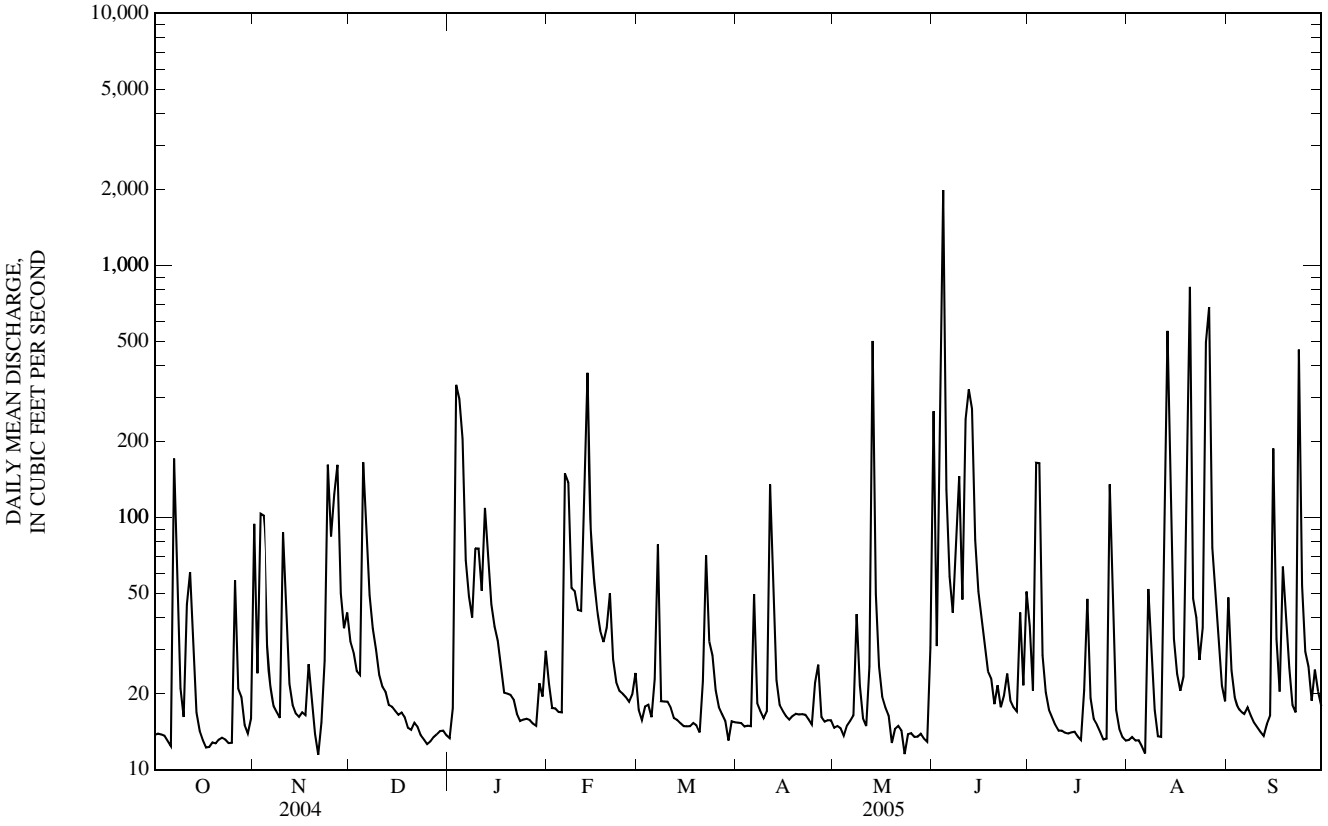
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	94	32	13	22	17	15	15	264	37	13	48
2	14	24	29	18	18	16	15	15	31	21	13	25
3	14	104	25	336	17	18	15	15	301	165	13	19
4	14	102	24	296	17	18	15	14	1,990	164	13	18
5	13	31	166	205	17	16	15	15	129	28	12	17
6	12	22	81	68	150	23	50	16	58	20	12	17
7	171	18	49	49	138	78	18	16	42	17	52	18
8	56	17	36	40	53	19	17	41	82	16	29	16
9	21	16	30	75	51	19	16	22	146	15	17	15
10	16	87	24	75	43	19	17	16	47	14	14	15
11	45	50	21	51	43	18	135	15	246	14	14	14
12	61	22	20	109	115	16	46	26	322	14	138	14
13	31	18	18	70	375	16	23	502	270	14	550	15
14	17	17	18	45	90	15	18	50	81	14	164	16
15	14	16	17	37	58	15	17	26	51	14	33	188
16	13	17	17	32	43	15	16	19	39	14	24	33
17	12	16	17	25	36	15	16	18	31	13	21	20
18	12	26	16	20	32	15	16	16	25	21	23	64
19	13	19	15	20	37	15	17	13	23	48	147	41
20	13	14	14	20	50	14	17	15	18	19	822	25
21	13	11	15	19	27	22	17	15	22	16	48	18
22	13	15	15	17	22	71	16	14	18	15	40	17
23	13	27	14	16	21	32	16	12	20	14	27	463
24	13	162	13	16	20	28	15	14	24	13	37	54
25	13	84	13	16	19	21	22	14	19	13	496	29
26	56	124	13	16	19	18	26	13	18	135	684	26
27	21	162	13	15	20	17	16	14	17	38	76	19
28	19	50	14	15	24	16	16	14	42	17	46	25
29	15	36	14	22	---	13	16	13	22	15	30	20
30	14	42	14	20	---	16	16	13	51	13	22	18
31	16	---	14	30	---	15	---	30	---	13	19	---
MEAN	25.2	48.1	26.5	58.3	56.3	21.5	23.0	33.9	148	31.7	118	44.2
MAX	171	162	166	336	375	78	135	502	1,990	165	822	463
MIN	12	11	13	13	17	13	15	12	17	13	12	14
AC-FT	1,550	2,860	1,630	3,580	3,130	1,320	1,370	2,080	8,820	1,950	7,240	2,630

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005, BY WATER YEAR (WY)

MEAN	32.8	26.2	21.5	19.5	25.7	34.6	43.1	55.0	68.7	33.4	27.0	42.7
MAX	146	114	107	99.1	118	208	158	243	263	248	118	217
(WY)	(1986)	(1999)	(1993)	(1982)	(1985)	(1973)	(1994)	(1990)	(1984)	(1993)	(2005)	(1986)
MIN	0.00	0.47	0.00	0.26	0.63	1.19	2.86	3.26	4.86	0.91	0.56	0.66
(WY)	(1964)	(1967)	(1964)	(1964)	(1964)	(1964)	(1977)	(1965)	(1968)	(1975)	(1967)	(1976)

06893300 INDIAN CREEK AT OVERLAND PARK, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1964 - 2005	
ANNUAL MEAN	44.5		52.7		35.8	
HIGHEST ANNUAL MEAN					89.5	1993
LOWEST ANNUAL MEAN					8.32	1976
HIGHEST DAILY MEAN	1,610	Mar 4	1,990	Jun 4	4,340	Jun 9, 1984
LOWEST DAILY MEAN	9.8	Jul 15	11	Nov 21	0.00	Oct 1, 1963
ANNUAL SEVEN-DAY MINIMUM	13	Oct 16	13	Oct 16	0.00	Oct 1, 1963
MAXIMUM PEAK FLOW			5,210	Jun 4	12,800	Jun 9, 1984
MAXIMUM PEAK STAGE			13.17	Jun 4	17.78	Jun 9, 1984
INSTANTANEOUS LOW FLOW			1.3	Nov 21	0.00	many years
ANNUAL RUNOFF (AC-FT)	32,270		38,170		25,940	
10 PERCENT EXCEEDS	79		103		58	
50 PERCENT EXCEEDS	17		19		14	
90 PERCENT EXCEEDS	13		14		1.6	



06893390 INDIAN CREEK AT STATE LINE ROAD, LEAWOOD, KS

LOCATION.--Lat 38°56'18", long 94°36'28", in SE ¼ NE ¼ NE ¼ sec.10, T.13 S., R.25 E., Johnson County, Hydrologic Unit 10300101, on right downstream side of bridge on State Line Road in Leawood and at mile 3.4.

WATER-DISCHARGE RECORDS

DRAINAGE AREA.--64.17 mi^2.

PERIOD OF RECORD.--May 2003 to current year.

GAGE.--Water-stage recorder. Datum of gage is 803.43 ft above NAVD of 1988.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	216	67	24	50	33	24	23	542	66	19	96
2	27	60	57	32	34	30	23	24	68	30	20	54
3	27	250	49	712	32	42	23	e24	573	266	19	37
4	25	233	45	643	29	38	22	e25	4,040	380	19	32
5	23	71	326	527	29	29	22	e26	259	66	18	30
6	21	51	169	130	314	33	97	29	101	43	18	27
7	500	41	105	88	295	185	33	35	76	33	66	30
8	154	35	71	73	102	40	25	94	161	28	53	28
9	54	33	62	149	96	35	24	57	342	25	38	25
10	39	152	51	150	83	34	24	35	109	24	22	24
11	86	121	43	104	82	32	327	31	564	20	20	23
12	123	47	41	240	221	30	115	36	480	16	335	21
13	74	37	37	143	857	27	43	1,040	590	16	1,090	23
14	42	33	34	80	192	27	29	113	156	16	341	28
15	34	32	32	65	112	26	25	60	90	17	74	373
16	29	31	32	57	85	25	24	40	69	20	50	75
17	27	30	32	49	72	26	22	33	57	20	40	41
18	26	45	30	41	65	26	22	30	44	39	47	119
19	26	44	29	e40	78	25	23	28	38	103	443	79
20	26	30	27	e43	94	24	23	27	30	42	1,390	55
21	27	23	28	40	62	34	23	25	31	28	96	34
22	27	29	27	34	49	142	23	20	27	24	69	32
23	26	40	25	30	42	77	21	17	28	23	63	875
24	24	381	24	31	41	62	21	19	33	21	74	109
25	23	187	24	30	39	45	32	19	26	21	1,110	63
26	161	270	25	30	37	34	56	18	24	225	1,330	56
27	57	398	26	28	39	31	27	18	25	95	168	38
28	50	106	25	28	51	29	26	20	71	32	89	43
29	34	76	25	45	---	26	27	19	33	25	66	41
30	28	80	26	39	---	27	26	20	83	22	48	33
31	29	---	25	55	---	26	---	27	---	20	44	---
MEAN	60.8	106	52.2	122	117	41.9	41.7	65.5	292	58.3	235	84.8
MAX	500	398	326	712	857	185	327	1,040	4,040	380	1,390	875
MIN	21	23	24	24	29	24	21	17	24	16	18	21
AC-FT	3,740	6,310	3,210	7,500	6,510	2,580	2,480	4,030	17,400	3,580	14,440	5,050

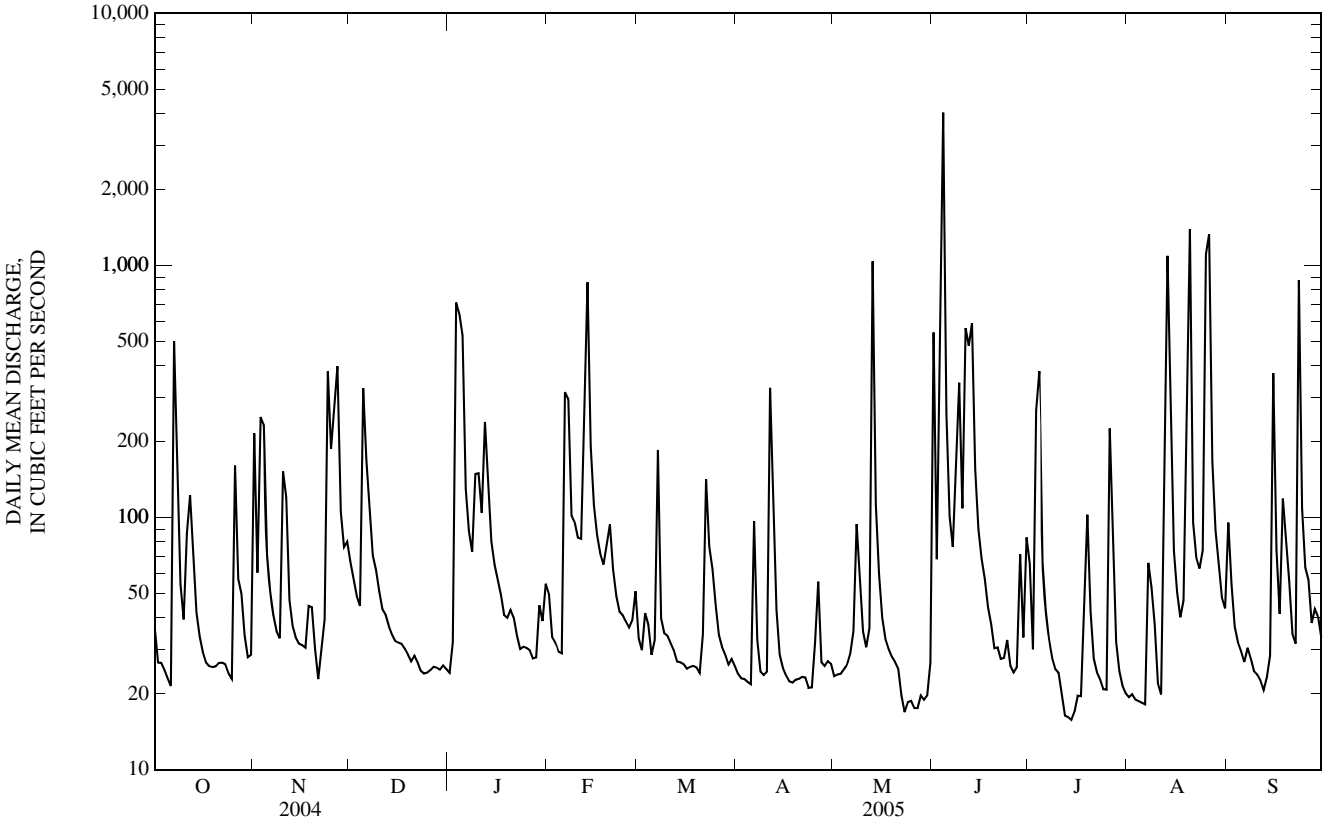
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	46.6	70.1	73.9	82.3	88.6	139	46.9	94.7	175	82.2	215	72.7
MAX	60.8	106	95.5	122	117	235	52.1	137	292	159	250	84.8
(WY)	(2005)	(2005)	(2004)	(2005)	(2005)	(2004)	(2004)	(2004)	(2005)	(2004)	(2003)	(2005)
MIN	32.4	34.1	52.2	42.6	61.0	41.9	41.7	65.5	109	29.1	160	60.7
(WY)	(2004)	(2004)	(2005)	(2004)	(2004)	(2005)	(2005)	(2005)	(2004)	(2003)	(2004)	(2004)

06893390 INDIAN CREEK AT STATE LINE ROAD, LEAWOOD, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2003 - 2005	
ANNUAL MEAN	104		106		103	
HIGHEST ANNUAL MEAN					106	2005
LOWEST ANNUAL MEAN					98.9	2004
HIGHEST DAILY MEAN	4,250	Mar 4	4,040	Jun 4	5,140	Aug 31, 2003
LOWEST DAILY MEAN	19	Jul 15	16	Jul 12	16	Aug 21, 2003
ANNUAL SEVEN-DAY MINIMUM	25	Aug 12	18	Jul 11	17	Aug 18, 2003
MAXIMUM PEAK FLOW			10,600	Jun 4	11,600	Mar 4, 2004
MAXIMUM PEAK STAGE			22.29	Jun 4	22.72	Mar 4, 2004
INSTANTANEOUS LOW FLOW			13	May 23	11	Jul 21, 2003
ANNUAL RUNOFF (AC-FT)	75,180		76,820		74,260	
10 PERCENT EXCEEDS	176		223		171	
50 PERCENT EXCEEDS	40		35		38	
90 PERCENT EXCEEDS	26		23		23	

e Estimated



06893390 INDIAN CREEK AT STATE LINE ROAD, LEAWOOD, KS—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 2004 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: February 2004 to current year.
pH: February 2004 to current year.
WATER TEMPERATURE: February 2004 to current year.
DISSOLVED OXYGEN: February 2004 to current year.
TURBIDITY (YSI 6136 sensor): February 2004 to current year.

INSTRUMENTATION.--Multiparameter water-quality monitor.

REMARKS.--Records good. Interruptions in record are due to ice conditions, malfunction of the recording instrument or sensors, or during days of no streamflow. Instruments used to measure turbidity conform to ISO 7027 standards and were made using Yellow Springs International (YSI) 6136 sensor.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 3,230 microsiemens/cm, Feb. 17, 2004; minimum, 203 microsiemens/cm, July 24, 2004.
pH: Maximum, 9.1 standard units, Apr. 3, 2005; minimum, 7.1 standard units, Aug. 7, 2005.
WATER TEMPERATURE: Maximum, 32.5°C, July 23, 2005; minimum, 1.3°C, Jan. 16, 2005.
DISSOLVED OXYGEN: Maximum, 21.1 mg/L, June 21, 2005; minimum, 1.5 mg/L, July 26, 2005.
TURBIDITY (YSI 6136 sensor): Maximum, >1,130 FNU, Aug. 13, 2005; minimum, <2.0 FNU, Oct. 3, 2004.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 2,980 microsiemens/cm, Jan. 30; minimum, 220 microsiemens/cm, June 4.
pH: Maximum, 9.1 standard units, Apr. 3; minimum, 7.1 standard units, Aug. 7.
WATER TEMPERATURE: Maximum, 32.5°C, July 23; minimum, 1.3°C, Jan. 16.
DISSOLVED OXYGEN: Maximum, 21.1 mg/L, June 21; minimum, 1.5 mg/L, July 26.
TURBIDITY (YSI 6136 sensor): Maximum, >1,130 FNU, Aug. 13; minimum, <2.0 FNU, Oct. 3.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	938	842	899	847	487	577	1,320	1,230	1,300	1,000	970	987
2	906	860	884	614	499	553	1,390	1,290	1,340	999	958	975
3	922	901	913	663	368	593	1,400	1,330	1,380	1,000	307	518
4	933	912	919	510	364	412	1,330	1,250	1,290	805	431	622
5	945	907	926	734	510	664	1,250	827	1,150	1,610	617	1,290
6	928	912	920	797	734	772	827	641	691	1,680	1,520	1,560
7	921	382	680	851	794	818	863	742	805	1,790	1,680	1,740
8	483	365	404	880	833	852	939	863	894	1,940	1,720	1,870
9	642	483	566	911	866	884	986	939	968	2,210	1,860	1,940
10	769	642	701	912	531	843	1,010	986	997	2,330	2,210	2,280
11	786	669	767	531	455	470	1,020	1,010	1,010	2,240	1,920	2,100
12	669	524	598	616	491	545	1,010	1,000	1,000	1,920	1,760	1,860
13	611	513	582	745	616	686	1,010	993	999	1,790	1,520	1,660
14	711	611	653	816	745	777	1,030	1,010	1,020	1,520	1,360	1,440
15	805	711	753	866	816	835	1,030	1,010	1,020	1,360	1,300	1,320
16	856	802	818	891	864	871	1,030	1,010	1,020	1,300	1,270	1,280
17	888	848	860	911	888	895	1,020	998	1,010	1,270	1,240	1,250
18	904	872	883	915	896	907	1,020	999	1,010	1,240	1,220	1,230
19	920	901	907	896	864	874	1,020	991	1,000	1,220	---	---
20	924	907	916	888	871	879	1,020	995	1,000	---	1,190	---
21	929	914	921	880	859	868	1,010	991	1,000	1,190	1,170	1,180
22	953	929	936	---	---	---	1,020	989	1,000	1,180	1,160	1,170
23	958	933	944	---	---	---	1,030	1,020	1,020	1,160	1,150	1,160
24	969	945	953	1,090	469	682	1,040	1,020	1,040	1,150	1,120	1,130
25	991	956	966	1,160	1,010	1,090	1,040	1,020	1,040	1,130	1,120	1,130
26	991	497	760	1,030	706	873	1,040	1,020	1,030	1,140	1,120	1,130
27	678	594	632	---	---	---	1,030	1,020	1,030	1,140	1,110	1,120
28	691	632	667	807	666	745	1,040	1,020	1,030	1,180	1,070	1,100
29	801	678	732	899	807	841	1,030	1,010	1,020	2,820	1,180	1,570
30	850	785	806	1,230	899	999	1,020	994	1,010	2,980	2,130	2,420
31	875	847	855	---	---	---	1,010	978	993	2,760	2,150	2,390
MONTH	991	365	797	1,230	364	771	1,400	641	1,040	2,980	307	1,430

06893390 INDIAN CREEK AT STATE LINE ROAD, LEAWOOD, KS—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2,750	2,490	2,640	1,110	1,050	1,080	1,020	1,000	1,010	1,010	986	998
2	2,740	2,180	2,480	1,050	1,020	1,030	1,020	998	1,010	1,010	990	1,000
3	2,180	1,950	2,080	1,040	973	1,020	1,030	1,010	1,020	1,020	992	1,010
4	1,950	1,660	1,770	987	832	904	1,040	1,010	1,030	1,020	990	1,000
5	1,660	1,540	1,600	1,060	977	1,030	1,050	1,010	1,030	1,020	991	1,000
6	1,540	1,030	1,380	1,060	858	1,020	1,040	793	925	1,030	1,010	1,020
7	1,030	843	890	889	727	777	860	794	819	1,030	1,000	1,020
8	1,030	865	929	854	799	823	908	849	870	1,040	584	944
9	2,350	1,030	1,430	915	854	883	---	---	---	866	806	851
10	2,890	2,350	2,710	997	915	953	---	---	---	877	826	837
11	2,930	2,720	2,890	1,040	996	1,010	---	---	---	948	877	899
12	2,720	1,950	2,320	1,040	1,020	1,030	793	539	673	990	758	955
13	1,950	1,060	1,290	1,050	1,010	1,030	896	777	819	822	299	384
14	1,070	1,040	1,050	1,050	998	1,020	962	896	935	704	557	634
15	1,080	1,040	1,060	1,040	990	1,020	963	946	955	806	700	745
16	1,100	1,080	1,090	1,030	981	1,010	985	944	960	---	806	822
17	1,110	1,090	1,100	1,040	995	1,020	1,000	959	974	875	---	858
18	1,110	1,090	1,100	1,040	1,000	1,020	1,000	973	985	906	873	883
19	1,170	1,090	1,120	1,040	999	1,020	1,010	969	990	933	905	917
20	1,180	1,110	1,140	1,040	997	1,020	1,010	965	986	946	920	929
21	1,120	1,080	1,090	1,080	1,020	1,040	1,000	981	993	960	946	952
22	1,090	1,060	1,070	1,040	709	908	1,010	983	999	975	960	969
23	1,080	1,060	1,070	752	705	722	1,020	1,000	1,010	984	968	976
24	1,060	1,030	1,040	812	752	776	1,020	1,000	1,010	977	950	964
25	1,040	1,020	1,040	910	805	870	1,010	976	999	980	953	967
26	1,040	1,020	1,040	939	898	913	990	838	904	974	953	966
27	1,060	1,030	1,030	974	939	956	939	915	929	996	887	963
28	1,090	1,040	1,060	1,000	968	978	984	925	944	1,030	981	1,010
29	---	---	---	1,010	990	998	1,000	976	985	1,040	1,010	1,020
30	---	---	---	1,010	994	1,000	1,010	981	995	1,030	1,000	1,010
31	---	---	---	1,020	1,000	1,010	---	---	---	1,040	932	1,020
MONTH	2,930	843	1,450	1,110	705	964	1,050	539	954	1,040	299	920

06893390 INDIAN CREEK AT STATE LINE ROAD, LEAWOOD, KS—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	971	332	427	666	523	591	947	920	931	902	599	816
2	735	394	508	745	666	711	968	946	957	766	678	703
3	817	391	588	810	380	717	972	950	958	785	678	720
4	593	220	373	490	338	400	973	948	963	847	783	812
5	719	592	655	746	490	670	977	951	963	862	825	842
6	833	719	777	773	738	759	1,000	947	972	884	835	854
7	904	831	869	806	771	781	1,000	697	946	900	877	887
8	945	403	879	858	806	823	697	484	519	901	884	894
9	541	372	443	875	831	853	824	496	689	900	866	889
10	684	541	632	886	848	874	826	800	815	908	864	895
11	622	446	493	895	838	877	902	795	827	908	854	889
12	627	411	544	890	856	874	924	346	684	905	876	894
13	534	418	472	883	863	877	368	266	325	919	893	905
14	756	534	660	899	870	888	561	368	450	920	892	905
15	856	756	809	936	856	885	745	561	676	911	295	480
16	904	856	877	933	897	920	798	745	773	571	373	478
17	922	892	905	945	892	912	828	798	819	705	571	630
18	930	915	922	943	847	901	842	823	831	739	573	681
19	929	884	912	891	572	788	825	405	526	599	489	574
20	924	882	907	693	637	663	588	271	417	616	494	583
21	940	885	913	712	659	680	754	588	688	736	616	665
22	940	878	918	834	712	761	838	754	793	859	736	797
23	935	887	917	909	834	865	855	787	837	863	281	430
24	944	848	921	936	899	914	802	769	785	684	464	586
25	938	773	866	969	910	936	791	394	497	810	684	748
26	920	853	902	970	351	822	623	335	472	824	780	810
27	954	902	920	528	356	447	742	537	657	844	780	820
28	956	734	853	679	528	603	835	742	794	892	844	869
29	840	722	778	845	679	759	878	834	853	908	870	890
30	799	496	732	885	845	859	886	864	880	924	893	905
31	---	---	---	920	884	898	896	874	889	---	---	---
MONTH	971	220	746	970	338	784	1,000	266	748	924	281	762
YEAR	2,980	220	942									

06893390 INDIAN CREEK AT STATE LINE ROAD, LEAWOOD, KS—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.9	7.6	7.7	7.8	7.6	7.8	8.0	8.0	8.0	7.7	7.5	7.5
2	8.0	7.6	7.7	7.9	7.7	7.8	8.0	7.8	7.9	7.7	7.5	7.6
3	8.1	7.6	7.6	7.9	7.7	7.8	8.0	7.8	7.9	7.9	7.5	7.8
4	8.0	7.6	7.6	7.8	7.8	7.8	8.0	7.8	7.9	7.9	7.8	7.8
5	8.1	7.5	7.6	8.1	7.8	8.0	7.9	7.8	7.9	7.8	7.8	7.8
6	8.0	7.5	7.6	8.1	7.9	7.9	8.3	7.9	8.0	7.9	7.8	7.9
7	7.9	7.5	7.8	8.1	7.8	7.9	8.3	8.2	8.3	7.9	7.9	7.9
8	7.9	7.7	7.8	8.1	7.8	7.9	8.2	8.0	8.0	7.9	7.9	7.9
9	8.0	7.7	7.8	8.0	7.8	7.8	8.1	8.0	8.0	7.9	7.8	7.9
10	8.0	7.7	7.8	8.0	7.8	7.9	8.0	8.0	8.0	7.8	7.7	7.8
11	8.0	7.7	7.8	7.8	7.7	7.8	8.0	7.9	7.9	7.8	7.7	7.7
12	8.0	7.7	7.8	8.0	7.8	7.8	7.9	7.9	7.9	7.9	7.7	7.8
13	8.1	7.8	7.9	8.0	7.8	7.9	7.9	7.9	7.9	7.8	7.7	7.8
14	8.1	7.8	7.8	8.0	7.8	7.9	8.1	7.8	7.9	7.8	7.8	7.8
15	8.1	7.8	7.8	8.0	7.8	7.8	7.9	7.8	7.8	7.8	7.8	7.8
16	8.1	7.8	7.8	7.9	7.8	7.8	7.9	7.7	7.8	7.8	7.8	7.8
17	8.1	7.7	7.8	7.9	7.7	7.8	7.9	7.7	7.7	7.8	7.7	7.8
18	7.8	7.6	7.7	7.8	7.6	7.7	7.9	7.6	7.7	7.8	7.7	7.7
19	7.9	7.6	7.7	7.8	7.7	7.7	8.0	7.7	7.8	---	---	---
20	7.8	7.6	7.7	7.9	7.6	7.7	8.0	7.7	7.7	---	---	---
21	7.8	7.7	7.7	7.6	7.6	7.6	7.9	7.7	7.7	7.8	7.8	7.8
22	7.7	7.6	7.6	---	---	---	7.9	7.7	7.8	7.9	7.8	7.8
23	7.8	7.6	7.6	---	---	---	7.9	7.7	7.7	7.8	7.8	7.8
24	7.8	7.5	7.6	8.2	7.9	8.0	7.8	7.7	7.7	7.8	7.8	7.8
25	7.7	7.4	7.5	8.0	7.9	8.0	7.8	7.6	7.7	7.8	7.7	7.8
26	7.7	7.4	7.5	8.0	8.0	8.0	7.8	7.6	7.6	7.8	7.7	7.8
27	7.7	7.5	7.5	8.0	7.8	7.9	7.8	7.6	7.7	7.8	7.7	7.8
28	7.6	7.5	7.5	8.0	7.9	7.9	7.8	7.6	7.6	7.9	7.8	7.8
29	7.7	7.5	7.6	8.1	8.0	8.0	8.0	7.5	7.7	7.9	7.8	7.8
30	7.8	7.5	7.6	8.0	8.0	8.0	7.9	7.6	7.7	7.8	7.8	7.8
31	7.7	7.6	7.6	---	---	---	8.0	7.5	7.6	7.9	7.7	7.8
MAX	8.1	7.8	7.9	8.2	8.0	8.0	8.3	8.2	8.3	7.9	7.9	7.9
MIN	7.6	7.4	7.5	7.6	7.6	7.6	7.8	7.5	7.6	7.7	7.5	7.5

06893390 INDIAN CREEK AT STATE LINE ROAD, LEAWOOD, KS—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.9	7.8	7.8	8.4	7.9	8.0	9.0	7.8	8.1	8.0	7.4	7.5
2	8.0	7.8	7.8	8.5	7.9	8.0	8.9	7.9	8.1	7.9	7.4	7.5
3	8.0	7.8	7.8	8.5	7.8	8.1	9.1	7.8	8.1	8.2	7.3	7.5
4	8.0	7.7	7.8	8.1	7.7	7.8	8.8	7.7	8.0	8.1	7.3	7.4
5	8.2	7.7	7.8	8.5	7.7	7.9	8.4	7.5	7.7	8.2	7.3	7.4
6	8.0	7.8	7.8	8.5	7.7	7.9	7.8	7.5	7.6	8.6	7.2	7.5
7	7.8	7.7	7.8	7.8	7.6	7.7	7.9	7.4	7.6	8.5	7.2	7.4
8	7.8	7.8	7.8	7.8	7.6	7.7	8.2	7.4	7.6	7.9	7.2	7.3
9	7.8	7.8	7.8	8.1	7.7	7.8	8.0	7.4	7.5	8.1	7.2	7.3
10	7.8	7.7	7.8	8.3	7.8	7.8	---	---	---	7.9	7.2	7.2
11	7.7	7.7	7.7	8.3	7.8	7.9	---	---	---	7.4	7.1	7.2
12	7.8	7.7	7.7	8.4	7.8	7.9	7.6	7.5	7.6	7.8	7.1	7.2
13	---	---	---	8.6	7.7	7.9	7.7	7.5	7.6	7.7	7.3	7.6
14	---	---	---	8.6	7.7	7.9	7.6	7.5	7.5	7.7	7.6	7.6
15	---	---	---	8.6	7.7	8.0	7.6	7.4	7.5	7.8	7.6	7.6
16	7.9	7.7	7.8	8.6	7.7	7.9	7.8	7.4	7.5	7.8	7.5	7.6
17	7.8	7.7	7.8	8.6	7.6	7.9	7.8	7.5	7.5	7.8	7.6	7.6
18	7.9	7.7	7.7	8.5	7.6	7.9	7.7	7.4	7.5	7.7	7.5	7.6
19	7.8	7.7	7.7	8.6	7.6	7.9	7.8	7.4	7.5	7.8	7.4	7.5
20	7.9	7.6	7.7	8.6	7.6	7.8	7.8	7.4	7.5	7.8	7.4	7.5
21	7.8	7.6	7.6	8.3	7.6	7.8	7.8	7.5	7.5	8.0	7.4	7.6
22	8.0	7.6	7.7	7.9	7.6	7.8	7.6	7.4	7.5	8.5	7.6	7.9
23	8.2	7.7	7.8	8.0	7.7	7.8	7.8	7.4	7.5	8.6	7.5	7.9
24	8.2	7.7	7.9	7.9	7.7	7.8	7.9	7.5	7.6	8.5	7.6	7.9
25	8.2	7.8	7.8	7.9	7.7	7.8	7.6	7.5	7.6	8.6	7.6	8.0
26	8.3	7.8	7.8	8.2	7.7	7.9	7.6	7.4	7.4	8.6	7.6	8.0
27	8.2	7.7	7.8	8.4	7.8	7.9	7.6	7.4	7.4	8.4	7.6	7.9
28	8.3	7.8	7.9	8.5	7.8	7.9	7.8	7.4	7.5	8.6	7.6	8.0
29	---	---	---	8.7	7.8	8.0	7.5	7.4	7.4	8.6	7.6	8.0
30	---	---	---	8.5	7.8	8.0	7.8	7.4	7.5	8.8	7.6	8.2
31	---	---	---	8.7	7.8	8.0	---	---	---	8.8	7.6	8.4
MAX	8.3	7.8	7.9	8.7	7.9	8.1	9.1	7.9	8.1	8.8	7.6	8.4
MIN	7.7	7.6	7.6	7.8	7.6	7.7	7.5	7.4	7.4	7.4	7.1	7.2

06893390 INDIAN CREEK AT STATE LINE ROAD, LEAWOOD, KS—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	7.9	7.5	7.6	7.5	7.4	7.4	8.4	7.4	7.5	8.0	7.6	7.7
2	7.9	7.5	7.6	7.6	7.3	7.4	8.3	7.3	7.3	7.9	7.4	7.6
3	7.7	7.6	7.6	7.6	7.3	7.4	8.6	7.2	7.4	8.2	7.4	7.5
4	7.7	7.4	7.5	7.6	7.5	7.5	8.7	7.2	7.3	8.3	7.4	7.6
5	7.6	7.5	7.6	7.8	7.5	7.6	8.4	7.2	7.4	8.3	7.4	7.6
6	7.6	7.5	7.6	7.9	7.6	7.7	8.4	7.1	7.3	8.4	7.4	7.6
7	7.7	7.5	7.6	8.1	7.6	7.7	8.2	7.1	7.4	8.4	7.4	7.6
8	7.8	7.6	7.7	8.3	7.6	7.8	7.4	7.1	7.2	8.2	7.4	7.5
9	7.7	7.5	7.6	8.5	7.5	7.8	7.7	7.2	7.3	8.3	7.3	7.5
10	7.6	7.5	7.6	8.5	7.5	7.7	7.8	7.2	7.3	8.1	7.3	7.5
11	7.6	7.5	7.6	8.6	7.4	8.0	7.9	7.2	7.3	8.1	7.3	7.4
12	7.7	7.5	7.6	8.8	7.7	8.2	7.5	7.1	7.2	8.0	7.3	7.4
13	7.6	7.5	7.6	8.8	7.7	8.2	7.8	7.1	7.6	7.7	7.3	7.4
14	7.6	7.6	7.6	8.9	7.7	8.3	7.8	7.3	7.7	8.0	7.3	7.4
15	7.8	7.5	7.6	8.9	7.6	8.1	7.7	7.6	7.7	7.6	7.3	7.5
16	7.8	7.7	7.7	8.8	7.4	7.6	7.9	7.6	7.7	7.7	7.5	7.5
17	7.9	7.6	7.7	8.6	7.4	7.6	7.9	7.7	7.8	7.8	7.5	7.6
18	8.0	7.6	7.7	8.5	7.4	7.6	8.0	7.6	7.7	7.7	7.5	7.6
19	8.3	7.6	7.8	7.7	7.3	7.5	7.7	7.1	7.5	7.7	7.3	7.6
20	8.5	7.6	7.8	8.1	7.4	7.5	7.8	7.2	7.6	7.6	7.3	7.4
21	8.6	7.5	7.8	8.0	7.3	7.4	7.7	7.5	7.6	7.8	7.4	7.5
22	8.6	7.5	7.7	7.9	7.3	7.4	7.7	7.4	7.6	7.9	7.5	7.6
23	8.4	7.4	7.7	8.2	7.3	7.4	7.8	7.5	7.7	7.8	7.4	7.6
24	8.5	7.5	7.7	8.3	7.3	7.4	7.8	7.6	7.7	7.8	7.6	7.7
25	8.3	7.4	7.6	8.4	7.3	7.5	7.8	7.4	7.6	7.8	7.6	7.7
26	8.2	7.4	7.6	7.8	7.3	7.5	7.7	7.3	7.5	7.9	7.6	7.6
27	8.1	7.4	7.5	7.6	7.4	7.5	7.6	7.5	7.6	7.9	7.6	7.6
28	7.6	7.3	7.4	7.8	7.4	7.4	7.7	7.5	7.6	7.7	7.6	7.6
29	7.8	7.3	7.4	7.8	7.3	7.4	7.8	7.5	7.7	7.8	7.5	7.6
30	7.5	7.3	7.4	8.0	7.3	7.4	8.0	7.6	7.7	7.8	7.5	7.5
31	---	---	---	8.3	7.4	7.5	8.2	7.6	7.7	---	---	---
MAX	8.6	7.7	7.8	8.9	7.7	8.3	8.7	7.7	7.8	8.4	7.6	7.7
MIN	7.5	7.3	7.4	7.5	7.3	7.4	7.4	7.1	7.2	7.6	7.3	7.4

YEAR			
	MAX	MAXIMUM 9.1	MINIMUM 7.4
	MIN	MAXIMUM 8.2	MINIMUM 7.1
	MEDIAN	MAXIMUM 8.4	MINIMUM 7.2

06893390 INDIAN CREEK AT STATE LINE ROAD, LEAWOOD, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	19.5	17.5	19.0	16.5	15.5	16.0	7.4	5.8	6.6	12.6	11.0	11.8
2	18.8	15.5	17.0	15.7	13.9	14.8	8.0	6.3	7.0	12.7	10.0	11.2
3	19.0	14.7	16.7	13.9	11.2	13.0	8.1	6.5	7.2	10.0	4.1	5.8
4	19.1	15.9	17.3	12.6	11.1	11.8	9.0	6.9	7.8	5.6	3.0	4.8
5	18.7	15.0	16.7	12.9	10.8	11.8	8.4	6.6	7.6	3.6	3.0	3.3
6	18.9	15.4	17.0	14.7	11.9	13.1	10.2	6.9	8.7	3.4	2.4	2.9
7	18.2	16.5	17.4	15.1	12.6	13.6	10.2	9.2	9.8	4.2	2.7	3.4
8	19.9	18.1	18.8	14.6	12.0	13.1	9.4	7.8	8.8	4.9	4.1	4.5
9	20.4	18.2	19.1	14.2	11.9	13.0	10.2	8.8	9.4	5.7	4.4	4.9
10	19.3	17.5	18.3	14.7	12.1	13.3	9.3	8.1	8.8	5.0	4.3	4.6
11	17.8	15.5	16.8	13.5	11.2	12.3	8.9	7.8	8.2	5.2	4.9	5.1
12	15.7	14.5	15.0	11.7	10.0	10.8	9.2	7.8	8.4	5.4	4.6	5.1
13	16.3	14.4	15.1	10.9	9.2	10	7.8	5.1	6.7	4.7	2.9	4.0
14	15.9	14.0	14.7	10.8	9.2	10.0	5.7	3.9	4.7	2.9	1.6	1.9
15	14.9	13.1	14.0	12.2	10.5	11.4	6.0	3.7	4.7	2.3	1.4	1.7
16	15.2	12.4	13.8	14.4	12.1	13.3	7.4	4.8	6.0	3.0	1.3	1.9
17	15.9	12.8	14.4	17.1	14.2	15.5	8.2	5.9	7.0	3.6	1.7	2.6
18	15.8	14.8	15.3	16.4	15.5	15.8	9.0	6.9	7.7	4.4	2.4	3.2
19	15.9	15.1	15.5	15.8	14.9	15.5	7.0	4.2	5.2	---	---	---
20	15.6	15.1	15.4	15.0	13.4	14.4	5.9	3.5	4.7	7.7	---	---
21	16.6	15.4	15.9	13.4	12.0	12.5	5.7	4.8	5.3	6.4	6.0	6.2
22	18.6	16.6	17.7	---	---	---	4.8	2.6	3.7	6.0	2.5	4.2
23	19.7	17.3	18.3	---	---	---	3.3	1.6	2.4	3.8	1.8	2.7
24	18.5	15.6	16.9	10.3	5.4	6.4	3.3	1.3	2.3	5.8	2.6	4.0
25	18.0	15.8	17.0	7.5	4.8	5.9	4.8	2.3	3.4	7.2	4.4	5.7
26	18.7	16.4	17.6	9.9	7.3	8.4	5.6	3.1	4.3	7.2	5.8	6.4
27	18.5	18.0	18.2	10.1	8.7	9.5	6.4	4.2	5.3	6.7	5.3	5.9
28	19.5	18.1	18.7	8.7	8.2	8.3	8.1	5.4	6.6	5.9	4.6	5.2
29	21.5	19.2	20.0	8.5	8.0	8.3	8.9	6.4	7.6	5.8	4.6	5.1
30	19.5	16.6	17.7	8.0	6.7	7.5	12.0	8.7	10.5	6.6	5.4	6.1
31	17.0	14.9	16.1	---	---	---	12.5	10.3	11.4	6.3	5.5	5.9
MONTH	21.5	12.4	16.8	17.1	4.8	11.8	12.5	1.3	6.7	12.7	1.3	4.8

06893390 INDIAN CREEK AT STATE LINE ROAD, LEAWOOD, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.0	5.6	6.6	8.5	5.0	6.5	16.9	12.0	14.0	17.8	11.8	14.3
2	6.8	5.1	6.0	9.7	4.8	7.1	17.4	11.1	14.0	17.1	11.9	14.4
3	7.6	4.3	5.7	11.5	6.2	8.6	19.1	12.3	15.4	18.9	12.3	15.2
4	9.1	5.1	6.9	12.9	8.7	10.6	21.0	14.6	17.5	18.7	13.5	15.9
5	9.6	6.6	8.0	13.9	9.5	11.3	18.9	16.7	17.8	19.3	14.2	16.7
6	8.6	7.5	8.0	14.4	9.4	11.8	19.3	15.8	17.5	22.4	16.0	18.8
7	7.6	5.6	6.7	12.2	9.7	11.3	17.5	15.1	16.5	22.7	18.3	20.2
8	5.6	3.8	4.7	9.7	8.3	9.0	19.2	13.3	16.0	21.0	19.1	19.9
9	4.9	3.2	3.9	11.1	7.9	9.1	19.6	15.2	17.2	23.6	18.1	20.4
10	5.8	3.3	4.4	11.9	8.3	9.5	---	---	---	26.1	18.9	22.2
11	7.5	4.5	5.9	11.9	8.0	9.7	18.9	---	---	24.5	21.4	22.6
12	8.0	6.4	7.1	14.3	9.2	11.3	17.7	14.5	15.8	23.8	20.1	21.4
13	8.6	7.4	8.0	12.6	8.8	10.4	18.1	13.9	15.5	20.6	17.1	18.0
14	10.2	7.8	9.0	12.7	7.9	10.1	19.6	13.9	16.3	20.3	17.1	18.5
15	11.0	9.4	10.1	12.8	8.7	10.6	19.9	14.4	16.9	20.2	16.3	18.0
16	9.7	8.0	8.8	14.1	8.8	11.2	20.9	15.3	17.9	21.1	16.1	18.2
17	9.5	7.2	8.3	14.4	9.3	11.6	22.2	16.2	19.0	23.1	17.0	19.8
18	9.3	6.8	8.0	14.6	9.9	11.9	21.1	17.6	19.3	20.7	18.5	19.7
19	8.3	7.8	8.0	13.7	9.0	11.1	21.8	18.2	19.6	25.4	18.7	21.7
20	10.7	8.1	9.5	14.1	8.8	11.3	21.7	18.9	20.0	26.4	20.5	23.1
21	10.4	9.1	9.7	11.7	10.0	11.2	23.8	19.3	21.0	25.9	20.6	23.1
22	10.7	8.6	9.4	10.0	6.6	8.6	20.6	16.7	18.6	27.7	22.0	24.5
23	9.3	8.6	9.1	8.8	6.7	7.7	19.1	14.1	16.3	28.4	21.8	24.8
24	10.9	8.0	9.1	8.5	8.1	8.3	19.2	13.0	15.7	25.1	22.1	23.6
25	11.4	7.6	9.1	9.3	8.5	8.9	15.8	13.7	14.4	26.4	20.9	23.3
26	11.4	8.3	9.6	9.3	8.3	8.8	15.2	12.2	13.6	26.0	20.4	22.9
27	11.4	9.3	10.4	13.6	8.0	10.5	17.5	12.2	14.6	22.8	19.6	21.1
28	9.3	6.2	8.0	15.8	9.4	12.5	15.2	13.8	14.4	25.0	18.1	21.2
29	---	---	---	16.6	12.1	14.3	14.0	12.4	13.1	24.7	19.6	22.1
30	---	---	---	16.2	13.3	14.6	16.8	11.0	13.5	23.9	20.1	22.0
31	---	---	---	15.2	11.9	13.3	---	---	---	25.5	20.5	22.8
MONTH	11.4	3.2	7.8	16.6	4.8	10.4	23.8	11.0	16.5	28.4	11.8	20.3

06893390 INDIAN CREEK AT STATE LINE ROAD, LEAWOOD, KS—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.2	19.7	20.8	26.3	22.3	23.9	30.1	24.8	27.1	24.6	23.5	24.0
2	22.3	19.2	20.9	28.1	22.8	25.0	28.6	25.5	27.0	25.3	22.6	23.7
3	21.3	19.4	20.2	27.7	23.1	24.8	30.5	25.7	27.7	27.0	22.7	24.5
4	21.4	18.5	19.8	24.2	22.2	23.1	31.0	26.3	28.0	27.2	23.2	24.9
5	23.0	20.0	21.4	25.7	22.7	24.0	27.2	24.5	25.5	27.4	23.2	25.0
6	23.4	20.6	22.1	27.1	22.6	24.5	29.0	23.3	25.7	27.0	22.9	24.8
7	25.0	21.9	23.3	28.8	23.1	25.6	28.0	23.9	25.9	27.7	23.2	25.1
8	26.4	22.9	24.2	29.4	23.7	26.2	28.0	24.8	26.3	26.6	23.8	25.0
9	23.8	21.8	22.8	29.9	24.5	26.9	29.5	25.5	27.2	27.6	23.4	25.2
10	23.8	22.2	23.0	29.8	24.8	27.1	30.6	25.4	27.7	27.5	23.6	25.3
11	22.9	21.1	22.0	29.4	25.1	27.1	30.6	26.2	28.1	27.2	23.4	25.1
12	24.2	21.7	22.8	29.9	25.9	27.7	28.0	25.1	26.6	26.6	23.9	25.1
13	23.0	20.7	21.7	30.0	25.8	27.8	25.4	23.8	24.5	24.8	23.5	24.0
14	23.3	20.4	21.9	30.1	25.9	27.8	24.2	21.5	22.1	24.2	22.0	22.9
15	24.4	21.0	22.6	30.9	26.3	28.2	22.0	21.5	21.8	22.0	18.6	19.4
16	25.5	22.0	23.6	30.6	25.7	27.8	24.9	21.8	23.0	21.1	17.8	19.2
17	26.6	23.1	24.4	30.3	25.9	27.8	26.4	23.2	24.5	22.1	18.8	20.1
18	26.6	22.2	24.0	29.5	25.8	27.2	28.8	24.3	26.3	22.9	20.0	21.3
19	27.4	21.9	24.2	26.3	24.5	25.1	26.6	24.0	25.6	25.2	22.1	23.6
20	28.3	22.2	24.9	29.8	24.2	26.5	25.5	23.6	24.1	26.7	23.6	24.8
21	28.4	22.9	25.3	30.8	25.9	28.0	24.8	23.3	24.0	26.6	22.8	24.5
22	29.8	24.0	26.5	31.9	26.5	28.9	25.6	23.8	24.6	27.0	23.2	24.8
23	29.3	24.3	26.6	32.5	27.0	29.4	24.7	22.6	23.5	24.4	21.2	22.0
24	29.9	24.7	27.0	31.6	27.1	29.1	23.6	22.2	22.8	23.9	21.9	22.9
25	30.2	24.9	27.3	31.8	27.2	29.1	23.4	22.4	22.8	25.6	22.9	24.0
26	30.3	25.2	27.5	28.7	23.8	26.9	24.2	22.1	23.1	24.3	22.0	23.4
27	30.6	25.4	27.7	25.8	22.4	23.9	25.7	23.0	24.3	23.6	20.7	21.9
28	27.6	25.1	26.1	27.3	21.9	24.3	26.3	23.7	24.9	21.3	18.9	20.5
29	29.7	24.3	26.6	28.6	22.4	25.1	26.4	23.2	24.7	20.0	17.2	18.4
30	26.7	22.8	25.1	29.3	23.5	26.1	26.6	23.5	24.7	20.2	16.4	18.1
31	---	---	---	29.5	24.2	26.6	27.0	23.2	24.8	---	---	---
MONTH	30.6	18.5	23.9	32.5	21.9	26.5	31.0	21.5	25.1	27.7	16.4	23.1
YEAR	32.5	1.3	16.3									

06893390 INDIAN CREEK AT STATE LINE ROAD, LEAWOOD, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	8.0	5.3	7.4	11.6	9.5	10.5	9.9	7.0	8.1
2	11.4	6.0	7.6	9.9	7.3	8.6	11.1	9.2	10	9.5	6.8	8.1
3	12.0	5.8	8.0	10.0	7.8	8.9	11.6	9.6	10.5	14.2	8.1	12.5
4	11.8	5.7	7.6	10.3	9.5	10	10.5	---	---	15.1	12.3	13.3
5	12.2	5.7	7.7	10.3	8.7	9.6	---	---	---	14.6	13.3	14.1
6	12.3	5.5	7.6	9.8	7.8	8.7	---	---	---	14.2	13.6	14.0
7	8.6	5.4	7.5	9.7	7.5	8.3	---	---	---	13.9	13.0	13.6
8	8.7	7.7	8.3	10.0	7.5	8.3	---	---	---	13.1	12.1	12.7
9	9.9	7.1	8.1	10.1	7.0	8.2	---	---	---	12.4	11.3	12.1
10	10.2	6.6	7.9	10.0	6.9	8.1	---	---	---	12.5	10.8	11.7
11	8.9	6.4	7.6	8.6	7.9	8.2	---	---	---	11.3	10.0	10.8
12	9.1	8.3	8.6	10.2	8.3	9.0	---	---	---	12.8	11.0	11.7
13	9.9	7.7	8.6	10.6	8.6	9.3	---	---	---	13.1	11.6	12.3
14	10.5	7.5	8.5	---	---	---	13.3	---	---	12.9	11.8	12.5
15	10.4	7.3	8.3	---	---	---	13.1	10.7	11.8	12.6	11.6	12.0
16	11.1	7.0	8.4	8.2	5.6	6.8	12.6	10.1	11.0	12.1	10.7	11.6
17	11.0	6.4	8.0	---	---	---	12.6	9.7	10.7	11.7	10.1	10.9
18	8.8	5.7	6.8	---	---	---	12.5	9.5	10.4	10.7	9.7	10.2
19	9.2	5.5	6.8	---	---	---	13.5	9.6	11.2	---	---	---
20	7.9	5.7	6.6	---	---	---	13.8	10.6	11.6	---	---	---
21	8.0	5.6	6.5	---	---	---	13.2	10.4	11.4	10.0	9.6	9.8
22	7.9	4.8	5.8	---	---	---	14.0	10.8	12.1	11.1	9.7	10.5
23	9.0	4.5	5.9	9.0	---	---	14.8	11.8	12.9	11.7	11.0	11.3
24	9.6	4.6	6.2	11.9	9.0	11.2	14.7	12.2	13.1	11.2	10.4	10.9
25	9.3	4.0	5.8	12.0	10.6	11.6	14.0	11.7	12.5	10.6	9.7	10.2
26	8.1	3.7	6.2	10.8	9.4	10.4	13.6	10.9	12.0	10.6	9.6	9.9
27	7.7	5.5	6.7	9.6	8.7	9.1	13.2	10.6	11.5	11.1	9.9	10.4
28	7.6	4.6	5.9	9.7	7.9	8.7	13.2	9.5	11.0	11.6	10.2	10.7
29	7.4	4.2	5.3	10.4	9.4	9.9	13.9	9.0	10.8	11.8	10.4	10.9
30	8.1	3.9	5.5	11.0	9.7	10.2	12.3	8.4	9.9	11.1	10.0	10.4
31	8.4	4.4	5.6	---	---	---	13.2	7.9	9.5	11.6	9.8	10.6
MONTH	12.3	3.7	7.1	12.0	5.3	9.1	14.8	7.9	11.2	15.1	6.8	11.3

06893390 INDIAN CREEK AT STATE LINE ROAD, LEAWOOD, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	11.8	10.2	10.7	18.5	11.8	14.2	17.7	6.2	10.6	12.7	5.7	8.2
2	12.2	10.1	10.9	18.9	11.3	14.3	17.7	5.4	10.2	12.6	5.3	8.0
3	12.7	10.4	11.3	19.1	11.2	13.7	17.5	4.5	9.6	14.6	5.3	8.6
4	12.8	10.0	11.0	14.5	9.5	11.3	16.5	2.7	8.2	14.5	5.0	8.7
5	13.0	9.4	10.7	18.3	9.4	12.5	13.3	4.6	8.0	14.4	4.2	8.5
6	10.2	9.0	9.7	18.4	9.2	12.4	9.8	4.9	7.2	17.6	3.9	9.1
7	10.2	9.6	9.9	10.5	9.7	10.1	10.4	5.2	7.2	17.2	2.8	7.8
8	10.1	9.6	9.8	12.7	10.3	11.3	13.4	5.7	8.5	---	---	---
9	10.6	8.8	9.7	15.2	10.9	12.3	11.5	---	---	---	---	---
10	9.8	8.1	9.0	13.9	10.0	11.5	---	---	---	---	---	---
11	8.4	6.7	7.6	15.0	9.8	11.7	---	---	---	---	---	---
12	7.9	6.1	7.0	16.3	9.3	11.8	7.9	7.0	7.4	---	---	---
13	---	---	---	17.3	9.2	12.1	8.9	6.8	7.7	8.3	4.8	7.6
14	---	---	---	18.3	9.7	12.7	8.3	6.1	7.0	8.1	6.6	7.5
15	---	---	---	18.7	9.6	13.0	8.8	6.1	7.0	8.8	6.1	7.4
16	10.9	8.8	9.6	18.7	9.1	12.6	9.3	5.6	7.1	8.7	5.9	7.0
17	11.1	8.8	9.7	18.3	8.6	12.0	9.8	5.0	7.0	9.4	5.7	7.4
18	11.7	8.6	9.7	17.7	8.0	11.7	9.3	4.6	6.3	7.9	5.5	6.5
19	9.9	8.4	8.9	18.4	8.0	12.0	9.8	4.3	6.1	9.9	4.2	6.9
20	11.6	6.0	9.0	18.9	7.8	12.2	8.6	3.4	5.1	11.0	3.8	6.6
21	10.3	6.4	8.2	14.6	7.6	10.5	9.3	2.9	5.1	11.8	4.0	7.0
22	12.8	7.4	9.5	11.6	8.9	10.3	9.0	3.3	5.5	14.0	4.5	8.3
23	14.1	9.0	10.8	12.9	10.6	11.6	12.1	4.1	7.2	14.6	4.4	8.3
24	15.2	9.8	11.8	11.8	10.1	10.8	13.1	4.6	7.8	14.7	4.4	8.5
25	15.8	10.1	12.1	12.2	9.8	10.7	7.8	3.8	5.8	15.7	5.5	9.6
26	16.5	9.9	12.2	14.0	9.8	11.4	7.8	3.7	5.9	15.7	5.5	9.7
27	15.8	9.5	11.6	15.9	8.9	11.8	9.2	3.4	5.8	14.2	5.6	8.7
28	16.2	10.4	12.7	16.2	7.7	11.1	9.3	4.5	6.5	15.7	6.3	10.1
29	---	---	---	16.5	6.5	10.3	8.7	5.6	6.8	15.5	6.0	9.7
30	---	---	---	14.1	5.6	8.6	11.5	6.1	8.1	16.6	5.9	10.6
31	---	---	---	17.1	6.0	10.1	---	---	---	17.0	5.9	10.8
MONTH	16.5	6.0	10.1	19.1	5.6	11.7	17.7	2.7	7.2	17.6	2.8	8.3

06893390 INDIAN CREEK AT STATE LINE ROAD, LEAWOOD, KS—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.4	6.8	7.9	8.5	5.8	7.0	16.2	2.5	7.4	9.6	4.8	6.3
2	9.8	6.5	8.5	9.4	5.3	6.9	14.4	2.0	6.3	10.2	5.1	6.8
3	8.6	5.8	7.4	9.2	5.0	6.6	17.6	2.1	7.4	12.2	4.7	7.3
4	9.0	7.2	8.2	8.0	6.8	7.4	17.8	1.8	6.8	13.1	4.4	7.3
5	7.6	6.0	6.9	7.7	5.3	6.7	14.0	1.7	6.2	13.4	4.0	7.1
6	7.0	5.4	6.3	8.8	5.1	6.5	17.1	1.8	7.2	13.8	3.7	7.1
7	6.6	5.3	5.8	10.4	5.0	7.0	14.6	1.7	6.8	13.9	3.8	7.2
8	7.6	5.3	6.3	12.3	4.7	7.5	6.7	4.3	5.2	12.1	3.5	6.5
9	7.6	6.3	7.2	14.3	4.1	8.0	8.9	3.8	6.0	13.3	3.6	6.8
10	7.4	6.0	6.7	15.2	3.5	8.0	10.7	3.1	5.8	12.3	3.4	6.4
11	8.6	6.3	7.6	16.4	2.8	8.1	11.6	2.8	5.8	11.8	3.2	6.2
12	7.7	5.9	6.9	17.9	3.4	9.0	7.4	2.5	5.1	11.3	3.0	5.8
13	8.6	6.8	7.8	18.0	3.8	9.1	8.5	6.9	7.6	8.2	3.2	4.5
14	8.1	6.4	7.4	17.8	4.0	9.6	8.5	7.5	8.1	9.6	3.8	5.9
15	8.0	6.2	7.1	e16.4	4.0	e6.5	7.6	6.5	7.1	7.9	4.0	7.0
16	8.4	5.8	7.0	18.4	3.0	8.5	8.8	6.4	7.3	8.7	7.0	7.8
17	10.0	5.7	7.3	16.6	2.0	7.7	9.2	5.9	7.4	8.8	6.1	7.3
18	12.6	5.7	8.2	12.0	1.7	5.8	9.0	3.8	6.6	7.5	6.0	6.6
19	16.4	6.0	9.9	6.9	2.2	4.5	7.6	3.5	6.2	7.7	5.2	6.3
20	19.6	5.6	11.0	9.8	3.2	6.3	8.2	6.8	7.5	7.6	4.8	5.7
21	21.1	5.1	11.2	10.2	2.6	5.0	7.6	6.1	6.7	8.1	4.6	5.9
22	20.5	4.7	10.8	10.6	2.3	5.3	7.7	5.2	6.7	8.5	4.4	5.9
23	19.5	4.0	10.0	12.2	2.2	5.7	7.1	5.2	6.2	8.4	4.3	7.2
24	17.5	4.1	9.3	12.7	1.9	5.7	8.5	5.6	7.0	7.6	6.0	6.9
25	16.2	4.1	8.8	14.2	1.6	6.1	---	---	---	7.8	4.9	6.3
26	15.4	3.6	8.2	9.0	1.5	4.7	---	---	---	7.8	4.5	5.8
27	13.7	3.4	7.3	7.6	5.0	6.2	---	---	---	8.8	5.3	6.5
28	6.3	3.0	4.3	9.2	4.3	6.4	---	---	---	7.5	5.3	6.2
29	8.9	4.1	5.8	10.1	3.9	6.3	7.1	---	---	9.4	6.0	7.2
30	7.3	3.7	5.3	12.3	3.7	6.8	9.0	4.7	6.2	9.8	5.7	7.1
31	---	---	---	14.3	3.2	7.2	11.4	5.0	7.2	---	---	---
MONTH	21.1	3.0	7.7	18.4	1.5	6.8	17.8	1.7	6.7	13.9	3.0	6.6
YEAR	21.1	1.5	8.6									

e Estimated

06893390 INDIAN CREEK AT STATE LINE ROAD, LEAWOOD, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	4.2	2.5	3.6	42	8.8	28	13	4.6	6.3	10	3.2	5.0
2	6.4	2.2	3.3	19	7.2	12	10	3.9	5.3	12	5.0	8.7
3	8.4	<2.0	2.9	140	5.8	41	10	3.5	4.5	460	6.2	230
4	4.2	<2.0	2.5	120	37	63	10	3.1	4.9	330	31	120
5	4.0	<2.0	2.4	---	9.2	---	290	3.9	70	220	26	66
6	10	<2.0	2.8	9.7	4.3	6.5	170	29	71	27	16	20
7	370	<2.0	94	8.4	3.0	4.5	29	14	22	19	11	14
8	180	19	62	6.0	2.1	3.5	19	6.9	12	14	9.5	11
9	19	6.1	12	7.4	<2.0	3.4	12	5.0	7.1	53	7.0	20
10	7.3	3.0	5.2	120	<2.0	20	---	---	---	50	21	30
11	24	3.5	6.5	120	24	58	---	---	---	21	11	16
12	28	12	17	25	9.1	15	---	---	---	170	8.9	56
13	15	7.1	10	11	4.3	6.3	---	---	---	98	27	60
14	9.7	3.4	5.3	7.0	2.9	4.1	---	---	---	27	14	19
15	5.9	2.7	3.6	5.0	2.7	3.4	8.1	3.7	5.2	18	11	13
16	5.8	2.1	3.2	3.6	2.4	2.8	7.3	3.6	4.5	17	8.0	12
17	6.7	<2.0	3.0	4.1	2.1	2.7	7.2	3.2	4.0	22	8.0	13
18	5.0	<2.0	2.5	4.7	2.7	3.3	5.7	2.7	3.5	22	7.5	12
19	6.2	<2.0	3.2	6.1	2.9	4.2	5.8	3.0	3.7	---	---	---
20	5.4	<2.0	2.8	5.9	2.5	3.4	6.0	3.6	4.3	---	---	---
21	52	<2.0	5.8	5.1	3.4	4.1	6.3	3.8	4.7	7.2	4.1	5.2
22	6.9	<2.0	3.2	---	---	---	13	4.3	7.5	6.8	4.7	5.6
23	6.8	<2.0	2.7	---	---	---	13	---	---	11	4.7	6.8
24	6.5	<2.0	2.8	110	35	67	---	---	---	11	5.5	6.7
25	7.2	<2.0	3.1	52	26	36	---	---	---	12	5.9	7.1
26	89	2.2	30	57	22	27	---	---	---	6.5	4.3	5.3
27	21	5.7	12	130	34	77	---	---	---	5.6	4.0	4.7
28	12	4.1	6.6	40	15	19	---	---	---	15	3.7	5.4
29	6.5	<2.0	3.2	16	7.0	9.9	---	---	---	7.7	4.5	5.6
30	4.4	2.0	3.0	9.4	5.0	5.9	4.8	2.9	3.4	7.7	4.9	5.9
31	8.8	2.0	3.6	---	---	---	5.4	2.8	3.6	24	4.8	8.4
MONTH	370	<2.0	10	140	<2.0	20	290	2.7	13	460	3.2	27

06893390 INDIAN CREEK AT STATE LINE ROAD, LEAWOOD, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU—CONTINUED

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	24	8.2	11	9.0	4.2	5.3	7.8	4.0	5.2	5.1	3.1	3.6
2	9.1	5.9	7.1	8.1	4.0	5.4	6.3	3.9	4.9	5.7	3.3	3.8
3	8.9	4.7	6.1	28	3.4	7.9	6.9	3.8	5.1	4.2	3.4	3.7
4	9.3	4.4	5.6	31	8.8	18	6.6	3.6	4.6	4.6	3.2	3.6
5	7.9	3.9	4.9	8.8	3.9	5.5	7.4	3.6	5.0	9.1	3.4	4.4
6	290	4.5	99	59	3.6	5.7	96	4.2	16	5.1	3.4	3.7
7	190	33	76	450	39	160	9.7	4.4	6.1	5.3	3.3	3.7
8	34	16	24	50	19	32	6.5	3.6	4.7	26	2.6	8.5
9	20	13	17	21	8.9	13	---	3.6	---	9.7	3.5	4.8
10	19	10	13	11	5.9	7.3	---	---	---	4.6	2.9	3.6
11	26	9.2	18	9.5	6.1	6.7	---	53	---	6.4	2.2	3.1
12	180	10	46	8.0	4.8	5.8	54	18	32	50	2.4	4.5
13	330	75	200	8.7	4.7	5.4	20	7.1	13	>1,080	50	>390
14	75	33	---	7.6	4.5	5.4	8.2	4.3	5.8	70	16	35
15	---	---	---	10	4.3	5.7	5.5	3.6	4.3	16	7.5	11
16	13	6.2	9.1	10	4.2	6.2	5.0	3.4	4.3	8.0	4.9	6.1
17	13	5.6	8.4	8.1	4.7	5.9	5.0	3.1	3.9	6.7	3.6	4.6
18	11	4.2	7.0	10	---	---	4.9	3.1	3.9	5.9	3.3	4.3
19	e11	5.7	8.4	---	---	---	4.6	3.3	3.8	9.6	2.9	4.7
20	---	---	---	---	---	---	4.1	2.7	3.4	5.8	2.9	3.8
21	---	---	---	37	5.0	7.0	3.6	2.9	3.3	4.9	<2.0	3.3
22	---	2.8	---	44	17	28	4.5	3.2	3.6	3.5	<2.0	1.7
23	7.4	2.9	4.2	37	20	28	4.2	3.0	3.7	3.2	<2.0	1.8
24	12	4.6	6.7	25	13	18	4.9	3.2	4.1	2.8	<2.0	1.9
25	13	4.0	8.0	13	7.9	9.6	11	3.6	5.8	3.3	<2.0	1.9
26	8.4	3.6	5.3	11	5.9	7.9	14	6.4	9.3	4.4	<2.0	2.0
27	11	4.7	8.8	9.9	6.0	7.6	8.7	5.0	6.8	4.8	<2.0	2.6
28	11	4.5	6.4	11	5.8	9.0	9.7	<2.0	5.0	5.0	2.6	3.3
29	---	---	---	9.9	4.6	6.3	4.5	3.3	3.8	4.6	2.4	3.0
30	---	---	---	9.5	4.8	7.0	6.1	3.3	3.9	7.1	2.4	3.0
31	---	---	---	9.1	4.3	6.0	---	---	---	120	<2.0	3.8
MONTH	330	2.8	26	450	3.4	16	96	<2.0	6.5	1,080	<2.0	17

06893390 INDIAN CREEK AT STATE LINE ROAD, LEAWOOD, KS—Continued

TURBIDITY, WATER, MONOCHROME NEAR INFRARED LED LIGHT, 780-900 NM, DETECTION ANGLE 90 +/ -2.5 DEGREES, FNU—CONTINUED

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	240	62	140	27	6.5	17	2.4	<2.0	1.1	14	<2.0	4.8
2	63	10	26	10	2.8	4.3	3.6	<2.0	1.0	5.6	<2.0	3.4
3	450	6.5	160	>1,110	2.4	>100	3.1	<2.0	1.1	2.8	<2.0	1.4
4	750	66	330	1,060	25	200	34	<2.0	2.5	2.4	<2.0	0.8
5	67	16	33	25	6.4	13	5.0	<2.0	1.1	1.9	<2.0	1.0
6	---	---	---	8.7	3.0	4.8	3.3	<2.0	1.8	2.6	<2.0	1.0
7	---	---	---	5.9	2.3	3.4	1,080	<2.08	34	4.0	<2.0	1.1
8	300	2.9	25	5.6	<2.0	2.6	62	19	35	2.2	<2.0	1.1
9	340	25	140	5.6	<2.0	2.1	21	2.6	7.0	2.4	<2.0	1.2
10	52	12	18	3.0	<2.0	1.9	4.3	<2.0	2.3	2.2	<2.0	1.1
11	350	52	170	2.6	<2.0	1.5	3.7	<2.0	1.7	2.4	<2.0	1.5
12	480	22	120	3.5	<2.0	0.9	440	<2.0	120	2.4	<2.0	1.4
13	360	42	120	2.7	<2.0	0.8	>1,130	140	>340	3.8	<2.0	1.4
14	42	---	---	2.2	<2.0	1.1	230	17	78	3.2	<2.0	1.4
15	---	5.5	---	---	---	---	17	4.7	8.6	580	<2.0	140
16	7.3	4.1	5.2	8.0	2.0	4.1	9.0	2.5	4.0	60	9.4	23
17	8.1	3.6	4.4	8.0	<2.0	4.6	5.8	<2.0	3.1	11	3.6	5.8
18	7.0	2.7	3.5	10	<2.0	3.5	6.2	<2.0	2.9	26	3.2	11
19	4.1	<2.0	2.7	19	<2.0	7.5	>1,120	<2.0	>220	66	8.7	15
20	4.6	<2.0	2.4	9.2	<2.0	3.7	780	26	220	24	5.1	10
21	3.6	<2.0	2.5	2.0	<2.0	1.1	26	4.1	14	7.8	2.1	3.6
22	4.1	<2.0	2.7	2.1	<2.0	1.0	17	2.0	7.4	4.0	<2.0	2.2
23	3.7	<2.0	2.7	1.7	<2.0	0.9	12	2.9	5.4	560	<2.0	170
24	4.5	<2.0	2.5	1.4	<2.0	0.8	12	3.5	5.8	61	5.8	21
25	2.9	2.1	2.8	4.5	<2.0	0.8	1,110	8.2	210	5.8	<2.0	3.7
26	3.9	2.1	2.5	370	<2.0	65	620	18	170	6.6	<2.0	3.2
27	3.9	<2.0	2.4	160	18	50	39	9.3	18	5.6	<2.0	2.5
28	20	<2.0	8.2	20	3.2	7.4	15	---	---	3.3	<2.0	2.1
29	16	<2.0	3.8	5.2	<2.0	2.8	10	1.1	3.2	3.1	<2.0	2.2
30	48	2.0	11	3.5	<2.0	2.0	2.1	0.9	1.4	5.6	<2.0	2.3
31	---	---	---	3.8	<2.0	1.7	2.6	0.7	1.2	---	---	---
MONTH	750	<2.0	52	1,110	<2.0	17	1,130	<2.0	51	580	<2.0	15
YEAR	1,130	<2.0	23									

e Estimated
< Actual value is known to be less than the value shown
> Actual value is known to be greater than the value shown