07144300 ARKANSAS RIVER AT WICHITA, KS

LOCATION.--Lat 37°38'36", long 97°20'06", river gage is in SE $^1/_4$ SE $^1/_4$ NE $^1/_4$ sec.5, T.28 S., R.1 E., Sedgwick County, Hydrologic Unit 11030013, on right bank at downstream side of bridge on Broadway Street in Wichita, 3.7 mi downstream from mouth of Little Arkansas River and at mile 759.7. Big Slough-Cowskin Floodway gage is in sec.11, T.27 S., R.1 W., Sedgwick County, on right bank at downstream side of bridge on Zoo Boulevard in Wichita, 1.0 mi downstream from control structure, and 6.5 mi northwest of Broadway Street gage.

DRAINAGE AREA.--40,490 mi^2, of which 7,263 mi^2 is probably noncontributing.

PERIOD OF RECORD.--July 1934 to current year. Gage-height records collected at site 3.2 mi upstream since 1897 are contained in reports of U.S. Weather Bureau.

REVISED RECORDS.--WSP 1241: 1940, 1944. WSP 1341: Drainage area.

GAGE.--River gage is water-stage recorder. Datum of river gage is 1,262.42 ft above NGVD of 1929. Prior to Oct. 1, 1985, at datum 5.00 ft higher than present datum. See WSP 1921 for history of changes prior to Oct. 1, 1968. Floodway gage is water-stage recorder. Datum of floodway gage is 1,300.00 ft above NGVD of 1929 (levels by Wichita-Valley Center Flood Control Project).

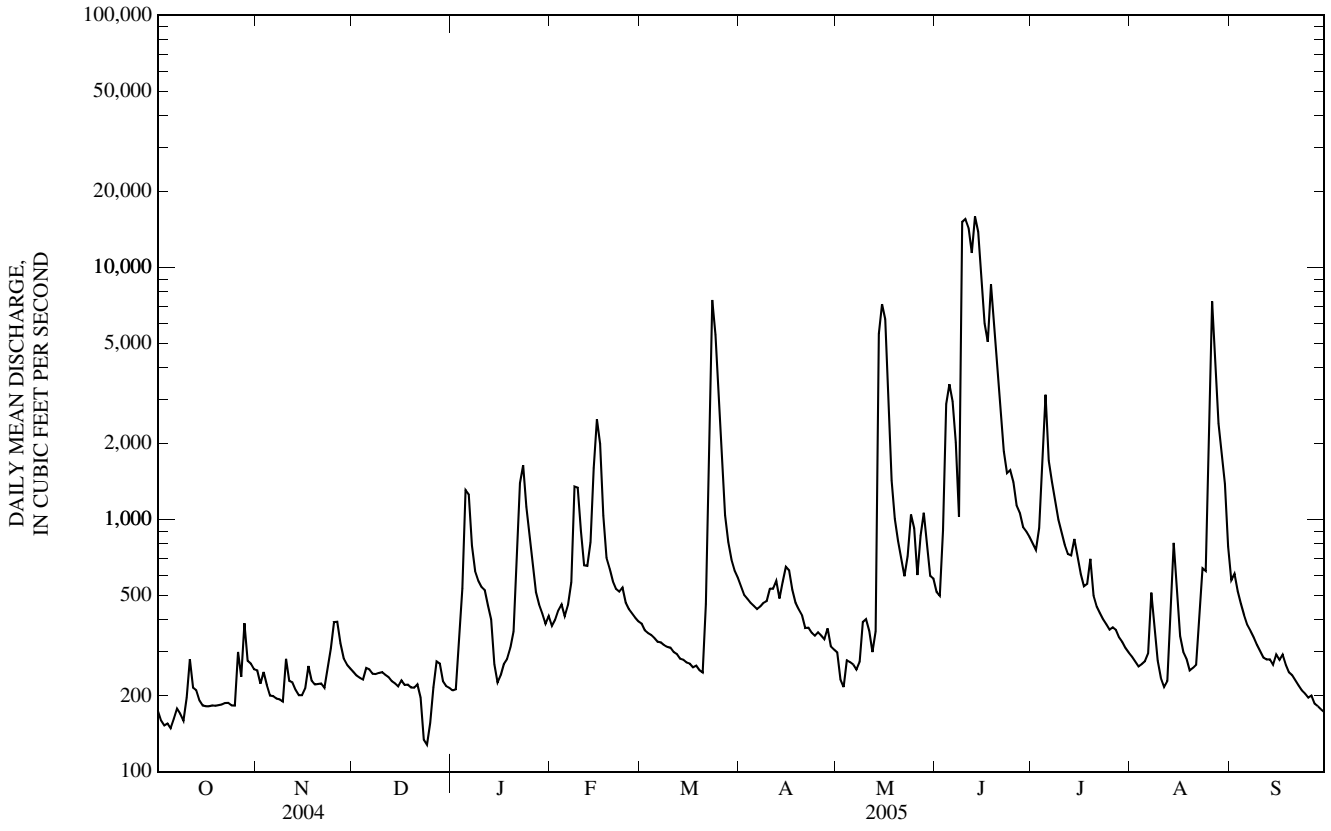
REMARKS.--Records good. Flow slightly regulated since 1948 by John Martin Reservoir (station 07130000). Natural flow affected by transmountain diversions, storage reservoirs, power developments, ground-water withdrawals, diversions for irrigation, city of Wichita weir 2.2 mi upstream, and return flow from irrigated areas. Since May 1957, part of high-water flow bypasses river gage through floodway channel for which separate records are computed; figures representing floodway discharge and combined discharge are given herein. Satellite telemeter at station. Discharge through floodway occurred only on days given in the following table:

Date	Discharge (ft^3/s)	Date	Discharge (ft^3/s)	Date	Discharge (ft^3/s)	Date	Discharge (ft^3/s)
Mar 23	123	June 11	3,940	June 14	3,860	June 18	387
June 9	7,790	June 12	1,800	June 15	350	Aug 26	94
June 10	5,380	June 13	5,430	June 17	27	Aug 28	44

EXTREMES OUTSIDE PERIOD OF RECORD.--Floods of May 18, 1877, and July 8, 1904, reached stages of 21 ft and 20.3 ft, respectively, river gage site and datum then in use (from reports of U.S. Weather Bureau).

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 23	0900	7,800	--	Jun 13	1800	18,500	--
May 14	2130	7,610	9.66	Jun 18	0630	9,560	--
Jun 9	1700	*26,600	--	Jul 5	0400	4,010	9.37
Jun 11	1900	17,000	--	Aug 26	0800	8,400	--



07144300 ARKANSAS RIVER AT WICHITA, KS—Continued

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	175	252	249	210	379	387	544	297	516	804	286	575
2	160	223	241	212	401	363	502	233	499	758	274	609
3	153	249	236	320	437	355	485	217	904	925	262	520
4	155	221	232	533	460	348	467	277	2,870	1,650	267	464
5	149	201	258	1,310	414	339	454	272	3,440	3,130	274	418
6	162	200	255	1,260	457	328	442	266	2,940	1,710	295	382
7	178	195	245	787	564	326	452	254	2,030	1,410	513	361
8	170	194	244	624	1,350	318	467	273	1,030	1,200	374	340
9	159	190	246	572	1,340	313	475	392	15,160	1,000	275	318
10	196	280	248	540	902	310	532	403	15,580	895	235	300
11	280	229	242	526	659	298	531	362	14,340	794	217	283
12	216	226	237	457	655	293	571	298	11,430	730	229	279
13	210	211	229	402	814	281	486	361	15,930	721	443	279
14	192	201	224	267	1,600	278	566	5,460	13,860	838	809	265
15	183	201	218	226	2,500	271	650	7,150	8,690	710	556	292
16	182	214	230	241	2,000	268	629	6,230	6,000	609	346	278
17	182	262	221	268	1,040	259	528	3,040	5,070	544	299	292
18	183	230	221	280	705	263	469	1,430	8,560	555	281	265
19	183	222	216	310	639	253	440	1,000	5,740	698	252	248
20	184	223	216	360	569	247	417	823	3,870	500	258	241
21	185	224	222	625	531	462	372	702	2,660	452	266	230
22	187	215	197	1,400	518	2,010	372	596	1,870	426	390	220
23	188	260	134	1,640	537	7,420	356	716	1,530	402	641	210
24	183	308	128	1,120	469	5,410	346	1,050	1,570	384	625	204
25	183	392	156	853	442	3,130	357	923	1,410	366	1,700	197
26	299	393	216	651	424	1,660	347	603	1,140	374	7,340	201
27	238	323	274	516	408	1,040	336	863	1,070	365	4,210	186
28	388	281	269	460	395	814	370	1,060	933	341	2,400	182
29	275	266	228	424	---	695	314	791	897	327	1,790	177
30	268	257	219	386	---	628	305	598	854	309	1,390	172
31	255	---	215	414	---	589	---	584	---	297	782	---
MEAN	203	245	225	587	772	966	453	1,210	5,080	781	912	300
MAX	388	393	274	1,640	2,500	7,420	650	7,150	15,900	3,130	7,340	609
MIN	149	190	128	210	379	247	305	217	499	297	217	172
AC-FT	12,500	14,560	13,820	36,090	42,860	59,420	26,940	74,430	302,300	48,050	56,090	17,830

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2005, BY WATER YEAR (WY)

MEAN	938	672	455	426	683	1,192	1,222	1,639	1,987	1,604	937	854
MAX	12,900	5,957	2,963	2,153	5,278	9,361	8,498	9,215	8,851	14,620	9,202	3,932
(WY)	(1974)	(1999)	(1974)	(1974)	(1949)	(1973)	(1973)	(1951)	(1951)	(1993)	(1950)	(1973)
MIN	10.2	30.7	23.4	18.8	53.7	63.2	58.1	119	119	46.8	14.2	7.90
(WY)	(1957)	(1957)	(1957)	(1957)	(1957)	(1935)	(1935)	(1992)	(1956)	(1991)	(1956)	(1956)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1935 - 2005	
ANNUAL MEAN	719		974		1,052	
HIGHEST ANNUAL MEAN					3,850	1993
LOWEST ANNUAL MEAN					151	1991
HIGHEST DAILY MEAN	18,400	Mar 5	15,900	Jun 13	41,100	Jul 15, 1993
LOWEST DAILY MEAN	110	Jan 6	128	Dec 24	5.0	Oct 5, 1956
ANNUAL SEVEN-DAY MINIMUM	153	Jan 4	161	Oct 3	5.4	Oct 2, 1956
MAXIMUM PEAK FLOW			26,600	Jun 9	48,400	Oct 31, 1979
INSTANTANEOUS LOW FLOW			98	Dec 24	3.0	Sep 3, 1934
ANNUAL RUNOFF (AC-FT)	522,300		704,900		762,100	
10 PERCENT EXCEEDS	1,140		1,650		2,240	
50 PERCENT EXCEEDS	262		370		430	
90 PERCENT EXCEEDS	176		201		109	

07144480 COWSKIN CREEK AT 119TH STREET AT WICHITA, KS

LOCATION.--Lat 37°42'06", long 97°28'50", in SW ¼ SW¼ NW¼ sec.18, T.27 S., R.1 W., Sedgwick County, Hydrologic Unit 11030013, at left downstream end of bridge on 119th St West and at mile 46.1.

DRAINAGE AREA.--86.0 mi^2.

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

REVISED RECORDS.--2001(M).

GAGE.--Water-stage recorder. Datum of gage is 1,312.40 ft above NGVD of 1929 (from city of Wichita bench mark).

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	2.9	2.9	6.1	4.7	15	8.9	9.0	5.1	4.2	5.1	3.3	97
2	3.9	2.7	5.5	4.7	23	8.2	8.7	4.9	4.1	4.8	3.5	47
3	3.2	2.6	5.4	6.6	17	8.2	8.3	4.8	8.3	10	3.4	28
4	2.9	2.5	5.2	59	13	9.3	7.6	4.5	87	364	4.1	20
5	2.6	2.7	5.2	315	12	10	6.6	4.5	80	634	5.2	15
6	2.3	2.7	5.6	127	16	9.0	6.4	4.5	24	289	2.7	13
7	2.7	3.4	5.5	e70	100	7.7	6.4	4.6	11	87	2.8	12
8	3.4	3.7	5.3	e40	107	6.6	6.5	5.0	6.5	51	3.9	11
9	3.6	2.8	5.6	32	41	6.1	6.5	23	42	27	4.6	8.7
10	3.7	3.0	5.9	52	27	6.3	6.4	102	300	20	4.7	7.5
11	6.2	2.7	5.1	56	23	6.4	6.7	36	779	15	4.8	8.1
12	8.1	2.9	4.8	32	22	6.4	7.6	16	1,070	14	4.9	8.1
13	5.9	2.9	4.6	21	42	6.6	9.8	12	1,360	15	8.0	8.8
14	4.4	2.7	4.5	14	102	6.5	9.6	27	952	13	163	7.5
15	3.7	2.8	4.5	13	46	6.2	7.8	19	352	10	185	8.5
16	3.4	2.8	4.5	9.7	25	5.8	7.0	12	120	9.2	79	7.5
17	2.9	2.8	4.5	9.8	17	5.7	6.9	8.9	86	7.8	40	5.9
18	2.9	4.9	4.9	9.5	13	5.7	6.7	6.6	40	7.4	24	5.9
19	3.1	5.7	4.5	9.8	11	5.7	6.1	22	27	19	15	5.9
20	2.9	4.8	4.4	16	12	6.0	6.7	8.5	20	21	12	5.8
21	2.7	3.7	4.6	43	14	8.5	5.8	5.8	14	16	9.5	4.5
22	2.8	3.2	5.0	37	13	96	5.3	4.6	12	11	11	3.5
23	2.8	3.1	4.9	23	11	303	4.6	4.3	9.9	7.4	191	4.2
24	2.6	22	4.6	17	15	127	4.7	6.3	9.3	5.6	518	3.8
25	2.7	48	4.8	13	20	53	5.4	6.0	7.8	4.5	658	3.8
26	3.6	27	4.7	11	14	28	5.5	5.9	7.0	3.5	555	4.6
27	2.9	15	4.8	9.2	12	19	5.6	4.8	6.3	3.8	179	4.1
28	7.4	9.2	4.8	8.8	10	13	5.8	4.6	5.5	4.4	184	4.1
29	8.8	7.6	4.8	9.0	---	11	5.2	4.2	4.8	4.2	2,200	4.0
30	4.9	6.8	4.9	9.5	---	11	5.1	3.6	4.7	3.7	1,140	3.8
31	3.5	---	4.8	9.9	---	10	---	3.6	---	3.5	330	---
MEAN	3.85	6.99	4.98	35.2	28.3	26.5	6.68	12.4	182	54.5	211	12.4
MAX	8.8	48	6.1	315	107	303	9.8	102	1,360	634	2,200	97
MIN	2.3	2.5	4.4	4.7	10	5.7	4.6	3.6	4.1	3.5	2.7	3.5
AC-FT	237	416	306	2,170	1,570	1,630	397	763	10,820	3,350	12,990	737

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

MEAN	66.4	4.90	3.85	11.4	11.2	56.0	16.3	33.8	102	62.0	52.1	8.00
MAX	145	7.78	4.98	35.2	28.3	136	55.5	83.2	182	248	211	16.7
(WY)	(2004)	(2003)	(2005)	(2005)	(2005)	(2004)	(2003)	(2004)	(2005)	(2004)	(2005)	(2003)
MIN	1.35	2.02	2.47	2.30	1.67	2.47	3.87	3.48	17.5	1.50	1.77	2.72
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2001)	(2003)	(2001)	(2001)	(2004)

07144480 COWSKIN CREEK AT 119TH STREET AT WICHITA, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2001 - 2005	
ANNUAL MEAN	55.9		48.9		40.4	
HIGHEST ANNUAL MEAN					67.5	2004
LOWEST ANNUAL MEAN					17.9	2002
HIGHEST DAILY MEAN	2,310	Mar 5	2,200	Aug 29	2,440	Oct 9, 2003
LOWEST DAILY MEAN	1.2	Sep 20	2.3	Oct 6	0.91	Feb 15, 2002
ANNUAL SEVEN-DAY MINIMUM	1.4	Sep 18	2.8	Nov 1	0.97	Feb 12, 2002
MAXIMUM PEAK FLOW			3,470	Aug 29	3,890	Oct 9, 2003
MAXIMUM PEAK STAGE			19.88	Aug 29	20.13	Oct 9, 2003
INSTANTANEOUS LOW FLOW			2.0	Oct 6	0.88	Feb 14, 2002
ANNUAL RUNOFF (AC-FT)	40,590		35,390		29,280	
10 PERCENT EXCEEDS	55		74		45	
50 PERCENT EXCEEDS	4.8		6.9		4.7	
90 PERCENT EXCEEDS	2.7		3.4		2.2	

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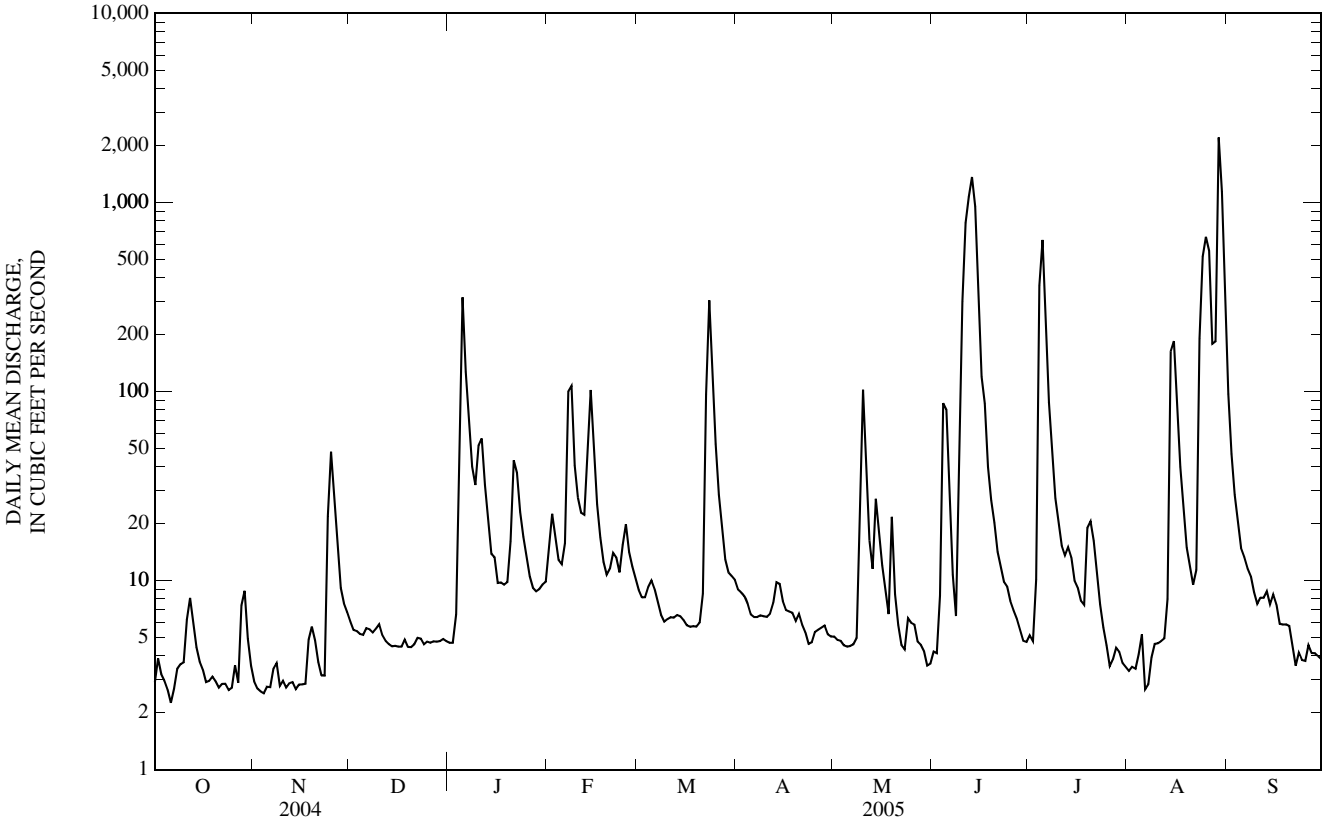


07144485 COWSKIN CREEK AT MAPLE STREET AT WICHITA, KS

LOCATION.--Lat 37°40'45", long 97°27'27", in NE ¼ NW¼ NW¼ sec.29, T.27 S., R.1 W., Sedgwick County, Hydrologic Unit 11030013, at left downstream end of bridge on Maple Street West and at mile 42.8.

DRAINAGE AREA.--97.70 mi^2.

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

GAGE.--Water-stage recorder. Datum of gage is 1,300.00 ft above NGVD of 1929 (from city of Wichita bench mark).

REMARKS.--Records fair 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	3.6	1.6	2.7	5.4	16	15	13	7.0	9.3	6.9	7.8	80
2	3.4	1.5	2.6	5.7	19	14	12	7.0	7.9	6.9	7.6	53
3	3.1	1.8	2.6	13	e16	14	12	6.8	15	35	7.8	43
4	2.9	1.7	2.7	60	e15	14	11	6.7	92	329	11	35
5	2.7	1.6	3.2	214	e14	15	11	6.5	e100	663	12	30
6	2.9	1.7	3.0	124	e15	14	10	6.4	e27	244	7.4	28
7	3.8	1.8	2.9	63	e33	14	10	6.5	19	27	7.4	27
8	2.7	2.3	3.0	34	e40	13	10	8.4	15	18	7.9	25
9	2.6	1.9	3.1	26	e28	13	9.8	52	27	13	8.2	e22
10	4.0	5.2	3.1	29	e23	13	9.6	94	242	11	8.1	e19
11	14	2.3	3.3	31	e20	13	9.5	57	921	9.7	8.1	e21
12	4.5	1.9	3.3	24	20	13	12	37	1,230	10	8.7	e21
13	3.1	1.8	3.2	19	28	13	10	33	1,600	10	14	e21
14	2.5	1.8	3.2	16	45	13	10	40	1,120	9.9	157	e22
15	2.0	1.9	3.4	15	31	13	9.2	34	320	9.0	117	25
16	1.6	2.6	3.4	14	22	13	8.5	28	66	8.6	36	19
17	1.4	3.9	3.4	14	18	13	8.2	24	38	8.2	18	17
18	1.6	3.0	4.0	14	16	13	8.0	21	22	12	14	16
19	1.7	3.5	4.3	14	e15	13	7.6	44	15	11	11	16
20	1.4	3.1	4.4	15	e16	13	7.6	25	12	13	12	15
21	1.3	2.8	4.4	25	e18	25	7.5	18	11	11	9.8	14
22	1.2	2.4	4.7	25	e15	65	6.9	16	10	10	17	14
23	1.4	4.6	4.7	19	e24	158	6.9	15	9.5	9.4	175	13
24	1.3	10	4.8	17	e16	59	6.8	27	9.0	8.4	591	12
25	1.4	20	4.9	15	e19	32	7.2	16	8.5	8.1	907	12
26	5.3	9.6	5.1	14	e17	23	7.5	16	8.3	8.0	716	12
27	1.3	5.6	5.1	13	e15	18	7.3	12	7.9	8.2	165	11
28	6.9	3.7	5.1	14	e14	15	9.7	11	7.7	8.1	405	10
29	3.1	3.2	5.2	14	---	14	7.3	10	7.1	8.2	2,300	9.7
30	2.0	3.0	5.4	14	---	15	7.1	9.3	6.9	8.1	1,160	9.3
31	1.5	---	5.4	15	---	e14	---	9.7	---	7.8	340	---
MEAN	2.97	3.73	3.86	30.2	21.0	22.8	9.11	22.7	199	50.0	234	22.4
MAX	14	20	5.4	214	45	158	13	94	1,600	663	2,300	80
MIN	1.2	1.5	2.6	5.4	14	13	6.8	6.4	6.9	6.9	7.4	9.3
AC-FT	183	222	237	1,850	1,170	1,400	542	1,400	11,870	3,080	14,410	1,330

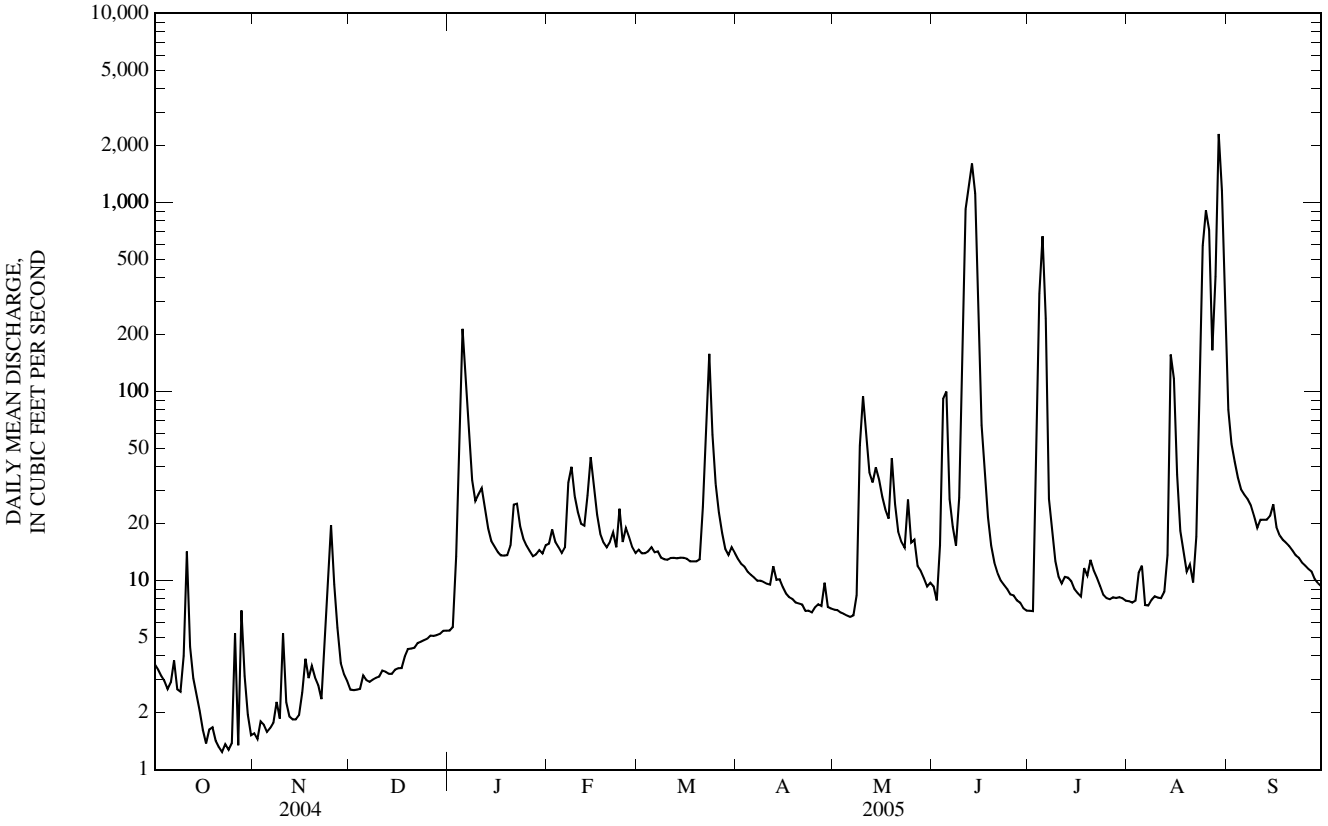
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

MEAN	2.97	3.73	3.86	30.2	21.0	81.5	9.72	54.7	168	132	121	13.4
MAX	2.97	3.73	3.86	30.2	21.0	140	10.3	86.7	199	214	234	22.4
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2004)	(2005)	(2004)	(2005)	(2005)
MIN	2.97	3.73	3.86	30.2	21.0	22.8	9.11	22.7	137	50.0	6.85	4.35
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2005)	(2004)	(2004)

07144485 COWSKIN CREEK AT MAPLE STREET AT WICHITA, KS—Continued

SUMMARY STATISTICS	FOR 2005 WATER YEAR		WATER YEARS 2004 - 2005	
ANNUAL MEAN	52.1		52.1	
HIGHEST ANNUAL MEAN			52.1	2005
LOWEST ANNUAL MEAN			52.1	2005
HIGHEST DAILY MEAN	2,300	Aug 29	2,630	Mar 5, 2004
LOWEST DAILY MEAN	1.2	Oct 22	1.2	Oct 22, 2004
ANNUAL SEVEN-DAY MINIMUM	1.4	Oct 19	1.4	Oct 19, 2004
MAXIMUM PEAK FLOW	3,230	Aug 29	3,980	Mar 5, 2004
MAXIMUM PEAK STAGE	14.99	Aug 29	14.99	Aug 29, 2005
INSTANTANEOUS LOW FLOW	1.0	Oct 24	1.0	Oct 24, 2004
ANNUAL RUNOFF (AC-FT)	37,700		37,720	
10 PERCENT EXCEEDS	44		44	
50 PERCENT EXCEEDS	12		12	
90 PERCENT EXCEEDS	2.7		2.7	

e Estimated



07144550 ARKANSAS RIVER AT DERBY, KS

LOCATION.--Lat 37°32'39", long 97°16'31", in SE ¼ SW ¼ NW ¼ sec.12, T.29 S., R.1 E., Sedgwick County, Hydrologic Unit 11030013, on left bank at downstream side of county highway bridge at west edge of Derby, 0.9 mi downstream from mouth of bypass channel, and at mile 749.5.

DRAINAGE AREA.--40,830 mi^2, of which 7,263 mi^2 is probably noncontributing.

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,229.95 ft above NGVD of 1929 (city of Wichita bench mark).

REMARKS.--Records good. Flow slightly regulated since 1948 by John Martin Reservoir (station 07130000). Low flow regulated by city of Wichita low-water dam. Natural flow affected by numerous diversions upstream from station. Satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 23	1500	7,050	7.01	Jul 4	0500	4,090	5.46
May 15	0000	6,700	6.84	Jul 5	0600	4,140	5.49
Jun 4	0100	6,700	6.84	Aug 13	2200	5,220	6.09
Jun 10	0000	*26,900	*12.79	Aug 24	1100	4,140	5.49
Jun 12	0000	17,200	10.41	Aug 25	1000	7,400	7.16
Jun 13	2100	18,900	10.85	Aug 26	1200	8,580	7.63
Jun 18	1200	8,760	7.70	Aug 30	0300	4,650	5.78

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	327	403	351	302	555	544	663	432	715	702	391	932
2	304	368	336	303	526	531	618	396	609	660	392	831
3	288	439	323	659	560	517	583	318	1,180	713	386	725
4	297	549	317	1,330	577	512	570	407	4,700	2,780	379	624
5	296	348	393	2,550	546	505	557	406	3,360	3,570	536	561
6	319	325	402	1,790	766	498	551	400	2,920	2,310	375	529
7	403	303	352	1,200	886	504	558	386	2,220	1,620	677	500
8	379	298	344	854	1,580	488	594	383	1,270	1,360	566	481
9	334	294	340	824	1,650	490	601	1,200	10,200	1,100	396	439
10	348	587	340	818	1,210	487	658	602	18,000	947	345	435
11	1,120	512	325	717	859	482	698	633	15,800	852	309	414
12	566	368	317	621	791	471	833	487	14,200	780	323	405
13	435	334	304	532	1,050	460	654	532	16,000	778	1,240	434
14	384	298	295	368	1,570	461	698	3,870	15,400	894	3,120	404
15	353	305	289	327	2,400	453	777	6,320	9,240	798	2,020	446
16	330	332	307	e350	2,170	451	792	5,510	6,110	670	836	435
17	318	571	299	368	1,370	440	661	3,030	4,340	594	501	437
18	318	455	296	349	887	444	582	1,640	7,670	652	404	415
19	315	382	287	379	868	438	544	1,160	5,270	929	357	398
20	315	348	291	431	749	428	524	926	3,590	760	380	386
21	315	335	309	600	685	1,100	467	775	2,620	584	331	379
22	326	326	291	1,460	656	2,490	461	683	1,930	527	558	364
23	326	374	216	1,780	862	6,580	448	1,170	1,580	513	2,000	353
24	307	949	e200	1,340	727	5,280	437	1,640	1,490	492	2,700	341
25	308	591	263	1,040	634	3,200	487	1,180	1,460	459	4,490	337
26	634	580	274	813	590	1,960	489	805	1,120	453	7,410	341
27	487	485	360	633	561	1,270	452	810	945	493	4,570	326
28	918	398	384	587	552	1,000	626	1,210	872	448	2,600	323
29	541	382	333	586	---	814	485	943	785	418	3,680	308
30	452	366	316	514	---	725	453	726	743	391	3,520	308
31	405	---	312	595	---	698	---	738	---	388	1,700	---
MEAN	412	420	315	807	958	1,120	584	1,281	5,211	924	1,532	454
MAX	1,120	949	402	2,550	2,400	6,580	833	6,320	18,000	3,570	7,410	932
MIN	288	294	200	302	526	428	437	318	609	388	309	308
AC-FT	25,330	25,000	19,370	49,630	53,230	68,870	34,750	78,780	310,100	56,800	94,200	27,000

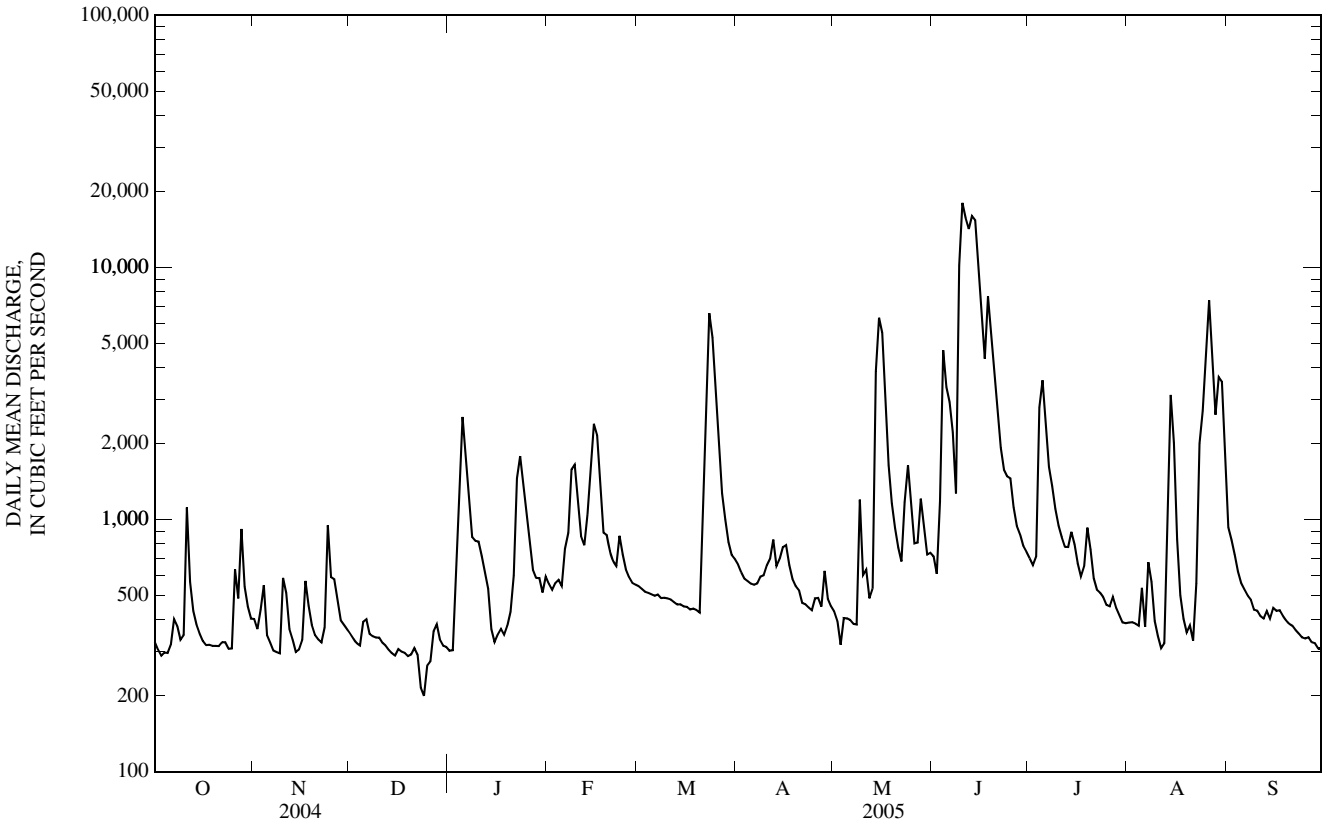
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2005, BY WATER YEAR (WY)

MEAN	1,189	949	561	488	807	1,625	1,551	1,734	1,971	1,439	940	920
MAX	13,000	6,293	2,916	2,190	3,965	9,439	8,949	8,939	6,640	13,450	2,774	3,640
(WY)	(1974)	(1999)	(1974)	(1974)	(1993)	(1973)	(1973)	(1993)	(1995)	(1993)	(1987)	(1973)
MIN	102	162	173	179	163	183	178	237	415	185	168	142
(WY)	(1992)	(1981)	(1991)	(1979)	(1989)	(1989)	(1989)	(1992)	(1991)	(1991)	(1984)	(1980)

07144550 ARKANSAS RIVER AT DERBY, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1969 - 2005	
ANNUAL MEAN	992		1,164		1,182	
HIGHEST ANNUAL MEAN					3,621	1993
LOWEST ANNUAL MEAN					259	1991
HIGHEST DAILY MEAN	18,300	Mar 6	18,000	Jun 10	44,300	Nov 2, 1998
LOWEST DAILY MEAN	187	Jan 6	200	Dec 24	83	Oct 6, 1991
ANNUAL SEVEN-DAY MINIMUM	242	Jan 27	263	Dec 20	90	Oct 2, 1991
MAXIMUM PEAK FLOW			26,900	Jun 10	58,300	Nov 2, 1998
MAXIMUM PEAK STAGE			12.79	Jun 10	16.45	Nov 2, 1998
INSTANTANEOUS LOW FLOW			164	Dec 24	62	Oct 5, 1991
ANNUAL RUNOFF (AC-FT)	720,300		843,100		856,400	
10 PERCENT EXCEEDS	1,670		2,350		2,520	
50 PERCENT EXCEEDS	437		541		524	
90 PERCENT EXCEEDS	291		317		199	

e Estimated



07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KS

LOCATION.--Lat 37°51'45", long 98°00'49", in NE ¼ SE ¼ NE ¼ sec.19, T.25 S., R.6 W., Reno County, Hydrologic Unit 11030014, on right bank at upstream side of county highway bridge, 10 mi south of Hutchinson, 18.1 mi upstream from Cheney Dam, and at mile 33.8.

WATER-DISCHARGE RECORDS

DRAINAGE AREA.--713 mi^2, of which 237 mi^2 is probably noncontributing.

PERIOD OF RECORD.--July 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,456.05 ft above NGVD of 1929. Prior to Feb. 12, 1996, at site 4 mi downstream, datum 1,431.75 ft above NGVD of 1929.

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 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)
Jun 13	0800	3,190	11.78	Jul 4	0200	*3,910	*12.19
Jun 17	1000	1,830	10.43				

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	44	85	115	88	192	141	122	88	77	67	42	111
2	45	85	114	89	200	135	117	86	81	64	39	102
3	44	84	116	97	191	136	114	83	83	404	37	88
4	45	85	113	129	175	137	111	81	113	2,680	37	79
5	45	84	112	146	161	137	110	80	118	1,320	38	77
6	51	82	112	e145	173	133	115	80	101	773	46	71
7	56	80	109	e150	227	136	122	79	92	395	48	70
8	61	80	103	e150	231	133	126	77	86	273	47	66
9	65	81	98	e170	196	132	119	74	497	226	38	63
10	62	87	93	e200	194	130	115	71	766	179	35	57
11	79	91	88	e180	196	128	137	69	286	150	33	52
12	100	90	85	e165	196	126	165	72	904	135	37	53
13	108	91	80	e140	209	123	154	110	2,650	126	70	50
14	92	92	77	e120	232	124	129	318	1,200	114	76	50
15	82	91	77	e110	208	122	116	608	579	105	71	57
16	77	92	77	e100	181	123	109	511	653	96	68	65
17	75	93	76	e100	168	121	103	319	1,520	87	66	62
18	72	98	76	e100	160	121	99	207	1,030	91	65	54
19	70	107	77	e120	174	117	97	152	535	117	63	55
20	69	109	79	e150	205	115	92	122	315	103	79	49
21	71	106	81	198	198	133	141	93	226	87	81	43
22	72	101	79	162	182	343	97	84	178	79	82	40
23	74	103	46	138	179	564	91	79	147	73	136	40
24	73	116	67	127	190	375	89	87	123	69	165	36
25	69	128	106	135	185	251	92	90	107	59	614	39
26	79	131	108	132	173	205	93	84	95	60	513	38
27	102	121	106	130	161	179	91	77	86	63	352	39
28	113	114	85	131	151	163	90	74	79	61	272	40
29	100	114	83	135	---	150	89	71	73	56	246	41
30	91	114	85	150	---	136	89	69	69	48	180	41
31	88	---	86	169	---	129	---	70	---	45	141	---
MEAN	73.4	97.8	90.6	137	189	168	111	134	429	265	123	57.6
MAX	113	131	116	200	232	564	165	608	2,650	2,680	614	111
MIN	44	80	46	88	151	115	89	69	69	45	33	36
AC-FT	4,510	5,820	5,570	8,440	10,490	10,310	6,610	8,260	25,530	16,270	7,570	3,430

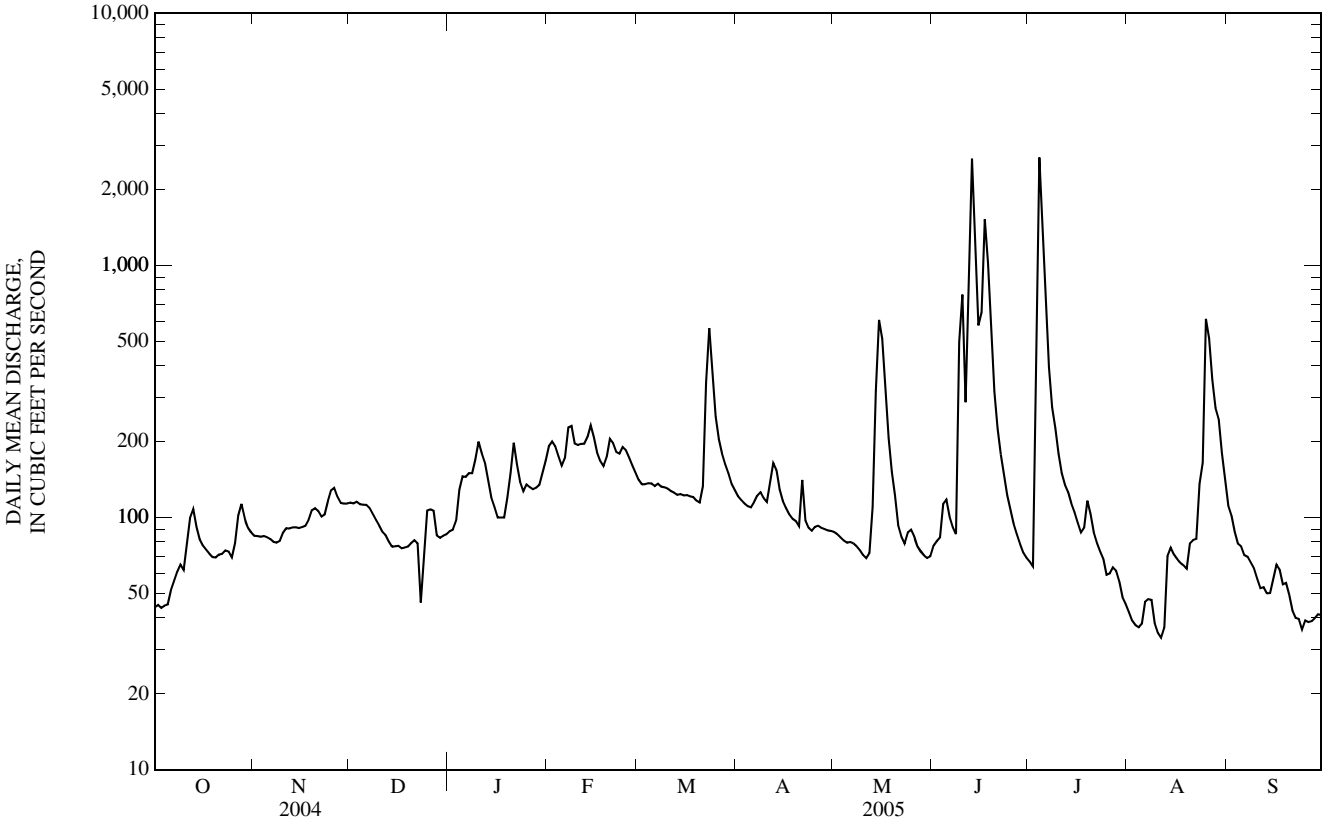
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2005, BY WATER YEAR (WY)

MEAN	163	98.2	97.7	98.5	131	215	209	228	198	137	66.2	94.1
MAX	1,632	305	252	202	535	866	1,097	1,805	820	1,392	351	968
(WY)	(1980)	(1982)	(1974)	(1980)	(1993)	(1987)	(1974)	(1995)	(1995)	(1987)	(1977)	(1977)
MIN	15.0	36.0	39.5	50.3	54.7	44.7	48.3	32.5	16.5	13.0	8.08	6.80
(WY)	(1992)	(1967)	(1967)	(1977)	(1967)	(1967)	(1972)	(1967)	(1966)	(1968)	(1968)	(1971)

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1966 - 2005	
ANNUAL MEAN	132		156		145	
HIGHEST ANNUAL MEAN					388	1987
LOWEST ANNUAL MEAN					54.3	1968
HIGHEST DAILY MEAN	1,810	Jun 18	2,680	Jul 4	39,700	Oct 30, 1979
LOWEST DAILY MEAN	18	Sep 20	33	Aug 11	0.00	Jul 14, 1966
ANNUAL SEVEN-DAY MINIMUM	22	Sep 16	39	Sep 22	0.56	Jul 14, 1966
MAXIMUM PEAK FLOW			3,910	Jul 4	87,000	Oct 30, 1979
MAXIMUM PEAK STAGE			12.19	Jul 4	12.19	Jul 4, 2005
INSTANTANEOUS LOW FLOW			18	Dec 23	0.00	Jul 14, 1966
ANNUAL RUNOFF (AC-FT)	95,740		112,800		104,900	
10 PERCENT EXCEEDS	175		216		220	
50 PERCENT EXCEEDS	91		100		77	
90 PERCENT EXCEEDS	51		54		25	

e Estimated



07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, KS—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1998 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1998 to current year.
pH: November 1998 to current year.
WATER TEMPERATURE: November 1998 to current year.
DISSOLVED OXYGEN: November 1998 to current year.
TURBIDITY (YSI 6026 sensor): November 1998 to current year.

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 sensor.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 1,640 microsiemens/cm, Jan. 6, 2004; minimum, 117 microsiemens/cm, June 17, 2005.
pH: Maximum, 9.4 standard units, Sept. 29, 2001; minimum, 7.0 standard units, June 18, 2004.
WATER TEMPERATURE: Maximum, 38.5°C, Aug. 1, 2002; minimum, -0.2°C, Jan. 1, 2002.
DISSOLVED OXYGEN: Maximum, 18.4 mg/L, Jan. 27, 2001; minimum, 2.3 mg/L, July 16, 1999.
TURBIDITY (YSI 6026 sensor): Maximum, >1,700 FNU, July 3, 2005; minimum, 0.9 FNU, July 29, 2003.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 1,560 microsiemens/cm, Jan. 16; minimum, 117 microsiemens/cm, June 17.
pH: Maximum, 9.0 standard units, May 22; minimum, 7.3 standard units, June 17.
WATER TEMPERATURE: Maximum, 35.5°C, July 22; minimum, -0.1°C, Dec. 14.
DISSOLVED OXYGEN: Maximum, 16.3 mg/L, Jan. 14; minimum, 4.2 mg/L, July 4.
TURBIDITY (YSI 6026 sensor): Maximum, >1,700 FNU, July 3; minimum, <2.0 FNU, Dec. 24.

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	1,290	1,280	1,280	1,330	1,310	1,320	1,370	1,340	1,350	1,310	1,260	1,280
2	1,300	1,280	1,290	1,320	1,310	1,310	1,380	1,360	1,370	1,270	1,250	1,260
3	1,300	1,280	1,290	1,310	1,300	1,300	1,390	1,380	1,390	1,260	1,170	1,200
4	1,290	1,270	1,280	1,310	1,290	1,300	1,390	1,360	1,370	1,200	1,010	1,130
5	1,250	1,120	1,210	1,300	1,270	1,280	1,360	1,280	1,320	1,220	1,010	1,140
6	1,270	1,140	1,230	1,290	1,270	1,280	1,300	1,290	1,290	1,470	1,220	1,400
7	---	---	---	1,280	1,270	1,270	1,340	1,300	1,330	1,480	1,410	1,450
8	---	---	---	1,290	1,270	1,280	1,350	1,340	1,350	1,440	1,310	1,380
9	1,390	1,290	1,340	1,280	1,260	1,270	1,340	1,330	1,340	1,310	1,190	1,270
10	1,370	1,250	1,340	1,260	1,200	1,220	1,340	1,330	1,340	1,240	1,160	1,190
11	1,250	1,060	1,120	1,240	1,200	1,230	1,340	1,320	1,330	1,370	1,240	1,320
12	1,260	972	1,110	1,290	1,240	1,270	1,320	1,310	1,320	1,370	1,270	1,320
13	1,340	1,230	1,270	1,310	1,290	1,300	1,320	1,310	1,310	1,320	1,270	1,290
14	---	---	---	1,310	1,300	1,300	1,360	1,310	1,320	1,480	1,320	1,420
15	---	---	---	1,300	1,280	1,290	1,330	1,300	1,310	1,510	1,440	1,480
16	---	---	---	1,280	1,250	1,270	1,320	1,290	1,300	1,560	1,440	1,500
17	---	---	---	1,260	1,240	1,250	1,310	1,290	1,300	1,510	1,390	1,460
18	---	---	---	1,280	1,210	1,250	1,290	1,280	1,280	1,430	1,250	1,350
19	1,330	1,320	1,330	1,420	1,280	1,330	1,310	1,290	1,290	1,300	1,130	1,220
20	1,320	1,310	1,320	1,450	1,420	1,440	1,320	1,280	1,300	1,140	1,000	1,100
21	1,310	1,300	1,300	1,450	1,420	1,440	1,300	1,260	1,280	---	1,010	---
22	1,310	1,300	1,300	1,420	1,380	1,390	1,390	1,270	1,320	---	---	---
23	1,310	1,290	1,300	1,400	1,260	1,370	---	---	---	1,270	---	---
24	1,320	1,300	1,310	1,260	1,230	1,250	---	---	---	1,270	1,210	1,230
25	1,320	1,260	1,310	1,430	1,260	1,350	---	---	---	1,240	1,180	1,210
26	1,260	1,130	1,170	1,450	1,420	1,430	---	---	---	1,240	1,220	1,230
27	---	1,120	---	1,420	---	---	1,260	1,150	1,200	1,240	1,220	1,230
28	---	---	---	---	---	---	1,270	1,150	1,240	1,240	1,190	1,210
29	1,390	1,300	1,330	1,370	1,320	1,340	1,280	1,260	1,270	1,200	1,170	1,190
30	1,340	1,320	1,330	1,340	1,320	1,330	1,260	1,250	1,260	1,220	1,170	1,190
31	1,340	1,330	1,340	---	---	---	1,280	1,260	1,270	1,240	1,210	1,230
MONTH	1,390	972	1,280	1,450	1,200	1,310	1,390	1,150	1,310	1,560	1,000	1,280

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, 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	1,230	1,150	1,190	1,250	1,230	1,240	---	---	---	1,110	1,080	1,090
2	1,160	1,150	1,160	1,250	1,220	1,240	1,230	1,220	1,220	1,080	1,040	1,070
3	1,200	1,140	1,170	1,240	1,220	1,230	1,230	1,220	1,220	1,090	1,060	1,070
4	1,140	1,080	1,110	1,240	1,220	1,230	1,240	1,220	1,230	1,130	1,070	1,100
5	1,190	1,060	1,130	1,260	1,230	1,240	1,240	1,200	1,220	1,120	1,090	1,100
6	1,130	933	1,020	1,230	1,220	1,220	1,200	1,120	1,160	1,180	1,090	1,140
7	1,240	1,050	1,130	1,240	1,220	1,230	1,150	1,110	1,130	1,180	1,160	1,170
8	1,230	1,160	1,190	1,240	1,210	1,230	1,230	1,130	1,200	1,190	1,170	1,180
9	1,300	1,150	1,220	1,230	1,210	1,220	1,220	1,150	1,190	1,200	1,160	1,180
10	1,260	1,200	1,230	1,230	1,210	1,220	1,190	1,130	1,160	1,210	1,170	1,190
11	1,310	1,210	1,260	1,230	1,210	1,220	1,150	1,060	1,110	1,220	1,190	1,210
12	1,290	1,230	1,270	1,220	1,200	1,210	1,220	1,060	1,170	1,220	936	1,150
13	1,230	1,170	1,200	1,230	1,200	1,220	1,310	1,220	1,280	940	887	918
14	1,290	1,170	1,240	1,220	1,210	1,210	1,280	1,240	1,270	928	633	692
15	1,280	1,240	1,250	1,210	1,180	1,200	1,250	1,240	1,240	648	496	568
16	1,260	1,220	1,240	1,200	1,170	1,190	1,240	1,230	1,240	546	496	518
17	1,240	1,190	1,220	1,200	1,180	1,190	1,230	1,210	1,220	576	539	556
18	1,220	1,200	1,210	1,200	1,170	1,190	1,220	1,200	1,220	674	575	620
19	1,200	1,110	1,150	1,210	1,110	1,190	1,220	1,180	1,200	788	672	732
20	1,230	1,080	1,130	1,190	1,110	1,160	1,190	1,070	1,160	883	784	837
21	1,260	1,200	1,230	1,190	997	1,100	1,070	564	791	1,040	883	947
22	1,270	1,230	1,250	997	796	876	1,130	945	1,060	1,100	1,040	1,080
23	1,270	1,220	1,230	1,070	930	1,020	1,160	1,120	1,130	1,090	988	1,050
24	1,230	1,180	1,220	1,070	1,050	1,060	1,150	1,120	1,130	1,020	787	923
25	1,270	1,180	1,240	1,120	1,060	1,100	1,120	1,080	1,100	999	806	904
26	1,270	1,260	1,260	1,150	1,120	1,130	1,080	1,070	1,080	1,070	991	1,040
27	1,260	1,230	1,250	---	---	---	1,110	1,070	1,090	1,080	1,050	1,060
28	1,260	1,200	1,240	---	---	---	1,100	1,080	1,080	1,110	1,070	1,090
29	---	---	---	---	---	---	1,090	1,080	1,080	1,120	1,030	1,090
30	---	---	---	---	---	---	1,110	1,080	1,090	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	1,310	933	1,200	1,260	796	1,180	1,310	564	1,150	1,220	496	975

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, 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	1,110	1,060	1,090	1,240	1,180	1,220	---	---	---	1,160	952	1,060
2	1,150	1,080	1,120	1,220	1,180	1,210	---	---	---	1,160	1,120	1,130
3	1,160	942	1,110	1,220	179	990	---	---	---	1,150	1,120	1,140
4	951	847	914	352	170	249	---	---	---	1,180	1,140	1,170
5	1,080	912	992	508	352	446	1,170	1,150	1,160	1,190	1,170	1,180
6	1,120	1,010	1,090	540	383	461	1,160	1,090	1,130	1,210	1,180	1,190
7	1,180	1,080	1,130	728	538	648	1,140	987	1,080	1,210	1,180	1,200
8	1,140	591	968	781	728	756	1,160	1,030	1,100	1,220	1,200	1,210
9	891	162	316	840	769	800	1,150	1,080	1,130	1,240	1,210	1,220
10	470	154	285	910	838	877	1,160	1,120	1,140	1,250	1,230	1,240
11	808	407	636	971	901	---	1,140	1,080	1,130	1,240	1,220	1,230
12	833	303	601	1,000	969	988	1,150	941	1,120	1,220	1,160	1,190
13	379	307	325	1,100	970	1,040	985	840	945	1,180	1,130	1,160
14	643	379	522	1,130	1,100	1,120	1,050	930	985	1,160	1,110	1,130
15	719	643	683	1,140	1,130	1,130	1,090	1,010	1,050	1,140	1,060	1,100
16	687	117	605	1,150	1,100	1,130	1,150	1,090	1,120	1,130	1,090	1,110
17	458	117	381	1,160	1,120	1,140	1,150	1,130	1,140	1,160	1,090	1,120
18	598	454	521	1,150	1,050	1,110	1,220	1,140	1,180	1,200	1,160	1,180
19	717	598	649	1,050	947	1,000	1,220	1,110	1,180	1,210	1,190	1,200
20	858	717	788	1,150	1,050	1,110	1,120	1,030	1,070	1,210	1,190	1,200
21	1,020	858	952	1,180	1,140	1,160	1,140	1,020	1,080	1,200	1,170	1,180
22	1,120	1,020	1,080	1,190	1,110	1,160	1,160	1,100	1,120	1,200	1,190	1,200
23	1,190	1,120	1,160	1,150	1,080	1,120	1,160	664	776	1,200	1,160	1,180
24	1,220	1,190	1,210	1,170	1,110	1,130	959	588	858	---	---	---
25	1,240	1,210	1,220	1,180	1,130	1,150	588	424	467	---	---	---
26	1,280	1,230	1,250	1,190	1,160	1,170	613	476	571	---	---	---
27	1,280	1,230	1,250	1,170	1,150	1,160	679	591	623	---	---	---
28	---	---	---	1,170	1,140	1,160	715	679	703	1,170	1,160	1,160
29	---	---	---	1,160	1,130	1,150	762	704	724	1,180	1,170	1,170
30	1,270	1,220	1,260	1,160	1,130	1,140	845	---	---	1,190	1,170	1,180
31	---	---	---	1,130	1,060	1,100	952	845	891	---	---	---
MONTH	1,280	117	861	1,240	170	1,000	1,220	424	980	1,250	952	1,170
YEAR	1,560	117	1,140									

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, 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	8.6	8.3	8.4	8.4	8.3	8.4	8.4	8.3	8.4	8.5	8.4	8.4
2	8.5	8.3	8.4	8.5	8.4	8.4	8.4	8.4	8.4	8.5	8.4	8.4
3	8.6	8.3	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
4	8.6	8.3	8.4	8.4	8.3	8.4	8.4	8.4	8.4	8.4	8.3	8.4
5	8.6	8.2	8.4	8.4	8.3	8.4	8.4	8.4	8.4	8.3	8.2	8.2
6	---	8.3	---	8.5	8.3	8.4	8.4	8.4	8.4	8.2	8.2	8.2
7	---	---	---	8.5	8.3	8.4	8.4	8.4	8.4	8.2	8.2	8.2
8	---	---	---	8.5	8.3	8.4	8.4	8.4	8.4	8.2	8.2	8.2
9	8.6	8.3	8.4	8.5	8.3	8.4	8.4	8.4	8.4	8.3	8.2	8.2
10	8.5	8.3	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.3	8.2	8.3
11	8.4	8.3	8.3	8.5	8.3	8.4	8.4	8.4	8.4	8.3	8.3	8.3
12	8.4	8.2	8.3	8.5	8.4	8.4	8.4	8.4	8.4	8.3	8.3	8.3
13	8.4	8.2	8.3	8.5	8.4	8.4	8.4	8.4	8.4	8.3	8.2	8.3
14	8.4	8.3	8.4	8.5	8.4	8.4	8.4	8.3	8.4	8.3	8.2	8.3
15	8.3	---	---	8.5	8.3	8.4	8.4	8.3	8.4	8.2	8.2	8.2
16	---	---	---	8.5	8.3	8.4	8.4	8.4	8.4	8.2	8.1	8.1
17	---	---	---	8.5	8.3	8.4	8.4	8.3	8.4	8.1	8.1	8.1
18	---	---	---	8.5	8.3	8.4	8.4	8.4	8.4	8.1	8.1	8.1
19	8.4	---	---	8.5	8.3	8.4	8.4	8.4	8.4	8.2	8.1	8.1
20	8.4	8.3	8.3	8.4	8.4	8.4	8.4	8.3	8.4	8.3	8.2	8.2
21	8.4	8.3	8.3	8.5	8.4	8.4	8.4	8.4	8.4	8.3	8.2	8.3
22	8.5	8.3	8.4	8.5	8.4	8.4	8.4	8.3	8.4	8.3	8.2	8.2
23	8.5	8.3	8.4	8.4	8.4	8.4	---	---	---	8.4	8.2	---
24	8.5	8.3	8.4	8.4	8.4	8.4	---	---	---	8.4	8.3	8.3
25	8.5	8.3	8.4	8.4	8.3	8.4	---	---	---	8.4	8.3	8.3
26	8.4	8.3	8.3	8.4	8.4	8.4	---	---	---	8.4	8.4	8.4
27	8.3	8.2	8.3	8.4	8.4	8.4	8.3	8.3	8.3	8.4	8.4	8.4
28	---	---	---	8.4	8.4	8.4	8.4	8.3	8.3	8.4	8.4	8.4
29	8.4	8.3	8.3	8.4	8.4	8.4	8.4	8.3	8.4	8.4	8.3	8.4
30	8.4	8.4	8.4	8.4	8.4	8.4	8.5	8.4	8.4	8.4	8.4	8.4
31	8.4	8.4	8.4	---	---	---	8.5	8.4	8.4	8.4	8.3	8.4
MAX	8.6	8.4	8.4	8.5	8.4	8.4	8.5	8.4	8.4	8.5	8.4	8.4
MIN	8.3	8.2	8.3	8.4	8.3	8.4	8.3	8.3	8.3	8.1	8.1	8.1

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, 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	8.4	8.3	8.4	8.5	8.4	8.5	8.5	8.3	8.4	8.6	8.3	8.4
2	8.4	8.3	8.4	8.5	8.4	8.4	8.4	8.3	8.3	8.6	8.3	8.4
3	8.4	8.4	8.4	8.5	8.4	8.4	8.4	8.3	8.4	8.6	8.3	8.4
4	8.4	8.4	8.4	8.5	8.4	8.5	8.5	8.3	8.4	8.6	8.3	8.4
5	8.4	8.4	8.4	8.5	8.4	8.5	8.5	8.3	8.4	8.6	8.3	8.4
6	8.4	8.4	8.4	8.5	8.4	8.5	8.4	8.3	8.4	8.6	8.3	8.4
7	8.4	8.3	8.3	8.6	8.4	8.5	8.4	8.3	8.3	8.6	8.3	8.4
8	8.4	8.3	8.4	8.5	8.4	8.5	8.4	8.3	8.3	8.6	8.3	8.5
9	8.4	8.3	8.3	8.5	8.4	8.5	8.5	8.3	8.4	8.6	8.3	8.4
10	8.4	8.3	8.4	8.6	8.4	8.5	8.4	8.3	8.4	8.6	8.3	8.4
11	8.4	8.3	8.4	8.6	8.5	8.5	8.4	8.3	8.3	8.6	8.3	8.4
12	8.4	8.4	8.4	8.6	8.5	8.5	8.3	8.2	8.3	8.5	8.1	8.3
13	8.4	8.4	8.4	8.6	8.5	8.5	8.4	8.3	8.3	8.3	8.0	8.2
14	8.4	8.3	8.4	8.6	8.4	8.5	8.4	8.3	8.3	8.1	7.9	7.9
15	8.4	8.4	8.4	8.6	8.4	8.5	8.4	8.3	8.4	7.9	7.8	7.9
16	8.4	8.4	8.4	8.6	8.4	8.5	8.5	8.3	8.4	8.0	7.9	8.0
17	8.4	8.4	8.4	8.6	8.5	8.5	8.5	8.4	8.4	8.2	8.0	8.1
18	8.4	8.4	8.4	8.6	8.5	8.5	8.5	8.4	8.4	8.3	8.1	8.2
19	8.4	8.4	8.4	8.6	8.5	8.5	8.5	8.4	8.4	8.4	8.2	8.2
20	8.4	8.3	8.4	8.6	8.4	8.5	8.6	8.4	8.4	8.7	8.2	8.4
21	8.4	8.4	8.4	8.5	8.4	8.4	8.4	7.9	8.2	8.9	8.3	8.6
22	8.4	8.4	8.4	8.4	8.2	8.3	8.5	8.3	8.3	9.0	8.4	8.6
23	8.4	8.4	8.4	8.2	8.2	8.2	8.5	8.4	8.4	8.9	8.4	8.6
24	8.4	8.4	8.4	8.3	8.2	8.3	8.5	8.3	8.4	8.9	8.3	8.7
25	8.5	8.4	8.4	8.4	8.3	8.4	8.4	8.3	8.4	8.9	8.4	8.7
26	8.5	8.4	8.4	8.4	8.3	8.4	8.5	8.3	8.3	8.8	8.4	8.7
27	8.5	8.4	8.5	8.4	8.4	8.4	8.5	8.3	8.4	8.8	8.5	8.6
28	8.5	8.4	8.4	8.5	8.4	8.4	8.5	8.3	8.4	8.8	8.5	8.7
29	---	---	---	8.5	8.4	8.4	8.5	8.3	8.4	8.8	8.5	8.7
30	---	---	---	8.5	8.5	8.5	8.5	8.3	8.4	8.9	8.6	8.7
31	---	---	---	8.5	8.4	8.5	---	---	---	8.9	8.5	8.7
MAX	8.5	8.4	8.5	8.6	8.5	8.5	8.6	8.4	8.4	9.0	8.6	8.7
MIN	8.4	8.3	8.3	8.2	8.2	8.2	8.3	7.9	8.2	7.9	7.8	7.9

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, 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	8.8	8.5	8.6	8.8	8.3	8.6	8.6	8.1	8.4	8.4	8.0	8.2
2	8.9	8.5	8.7	8.8	8.3	8.6	8.6	8.0	8.3	8.5	8.0	8.2
3	8.9	8.6	8.7	8.7	7.9	8.5	8.6	8.0	8.3	8.6	8.0	8.3
4	8.9	8.4	8.6	7.9	7.6	7.7	8.7	7.9	8.3	8.5	8.1	8.3
5	8.9	8.4	8.6	7.8	7.7	7.7	8.6	8.0	8.3	8.7	8.1	8.4
6	8.9	8.5	8.7	8.0	7.8	7.8	8.7	8.0	8.3	8.5	8.2	8.3
7	8.8	8.4	8.7	8.3	8.0	8.1	8.6	8.0	8.3	8.4	8.1	8.2
8	8.9	8.3	8.7	8.4	8.1	8.2	8.7	8.0	8.3	8.5	8.1	8.3
9	8.5	7.7	7.8	8.5	8.2	8.3	8.7	8.1	8.3	8.4	8.1	8.2
10	8.0	7.4	7.7	8.7	8.2	8.4	8.7	8.0	8.3	8.5	8.1	8.3
11	8.2	7.8	8.0	8.8	8.3	8.5	8.7	8.0	8.3	8.5	8.1	8.3
12	8.2	7.8	8.1	8.7	8.3	8.6	8.7	8.0	8.3	8.6	8.1	8.3
13	7.8	7.7	7.7	8.8	8.3	8.5	8.6	7.9	8.2	8.6	8.0	8.3
14	8.0	7.8	7.9	8.6	8.3	8.5	8.4	8.0	8.2	8.6	7.9	8.2
15	8.2	8.0	8.0	8.7	8.2	8.4	8.5	8.1	8.3	8.6	8.0	8.2
16	8.1	7.3	8.1	8.7	8.2	8.5	8.5	8.1	8.3	8.6	7.9	8.2
17	7.9	7.3	7.8	8.7	8.3	8.5	8.5	8.1	8.3	8.5	7.9	8.2
18	8.1	7.9	7.9	8.6	8.3	8.4	8.6	8.1	8.3	8.5	8.0	8.2
19	8.4	8.1	8.2	8.6	8.2	8.3	8.7	8.1	8.4	8.6	8.0	8.3
20	8.6	8.2	8.3	8.7	8.3	8.4	8.7	8.0	8.3	8.6	7.9	8.3
21	8.7	8.3	8.4	8.7	8.3	8.5	8.7	8.0	8.3	8.5	8.0	8.2
22	8.8	8.2	8.5	8.7	8.2	8.5	8.7	8.1	8.4	8.5	8.0	8.2
23	8.8	8.3	8.6	8.6	8.0	8.4	8.4	7.8	8.0	8.6	8.0	8.2
24	8.8	8.4	8.6	8.6	8.0	8.4	8.2	7.7	8.1	8.4	8.0	8.2
25	8.8	8.4	8.6	8.5	8.0	8.3	7.7	7.5	7.6	8.4	7.8	8.0
26	8.8	8.4	8.6	8.4	8.2	8.3	7.8	7.5	7.6	8.4	7.6	7.9
27	8.8	8.5	8.6	8.4	8.2	8.2	8.0	7.6	7.8	8.6	7.6	8.2
28	8.8	8.4	8.6	8.5	8.1	8.3	7.9	7.7	7.8	8.5	7.9	8.2
29	8.8	8.4	8.6	8.5	8.1	8.3	8.2	7.7	8.0	8.4	8.0	8.2
30	8.8	8.4	8.6	8.5	8.2	8.3	8.2	7.8	8.0	8.4	8.0	8.2
31	---	---	---	8.6	8.2	8.3	8.3	7.8	8.0	---	---	---
MAX	8.9	8.6	8.7	8.8	8.3	8.6	8.7	8.1	8.4	8.7	8.2	8.4
MIN	7.8	7.3	7.7	7.8	7.6	7.7	7.7	7.5	7.6	8.4	7.6	7.9

YEAR				
	MAX	MAXIMUM 9.0	MINIMUM 7.7	
	MIN	MAXIMUM 8.6	MINIMUM 7.3	
	MEDIAN	MAXIMUM 8.7	MINIMUM 7.6	

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, 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	21.6	14.2	17.9	16.4	11.8	14.5	5.1	0.0	2.7	13.1	7.6	10.5
2	21.2	9.8	14.9	11.8	7.8	9.8	5.6	0.8	3.2	11.7	4.1	6.9
3	23.6	11.4	17.1	7.8	5.9	7.0	5.6	0.4	3.1	4.1	2.7	3.5
4	21.8	15.6	18.3	12.7	4.0	8.1	7.2	1.5	4.3	2.7	0.0	1.3
5	23.2	13.1	17.7	14.5	5.4	9.9	7.0	3.9	5.4	0.0	-0.1	0.0
6	18.3	15.9	16.4	15.8	7.5	11.6	6.8	5.4	6.1	0.0	-0.1	0.0
7	19.0	16.1	17.7	15.7	8.2	11.8	8.0	3.1	5.5	0.0	-0.1	-0.1
8	25.3	16.7	19.7	13.6	7.6	10.6	7.6	4.5	5.8	0.0	-0.1	-0.1
9	23.3	15.9	19.4	15.4	8.9	11.8	8.7	3.4	5.8	0.1	-0.1	0.0
10	19.6	16.3	17.7	11.2	9.8	10.4	7.7	3.4	5.5	0.0	-0.1	-0.1
11	16.3	13.9	14.8	9.8	6.1	7.8	7.5	2.1	4.8	0.0	-0.1	-0.1
12	18.1	12.8	15.0	9.2	5.5	7.2	8.6	4.2	6.0	0.1	-0.1	0.0
13	15.5	12.5	14.1	8.1	3.9	6.1	5.8	2.0	3.8	0.3	-0.1	0.1
14	15.5	9.2	12.5	11.1	6.1	8.3	3.9	-0.1	1.6	0.0	-0.1	-0.1
15	---	12.1	---	10.3	8.9	9.6	4.2	-0.1	1.8	0.0	-0.1	0.0
16	---	---	---	13.4	10.1	11.7	6.9	1.4	3.9	0.0	-0.1	0.0
17	---	---	---	15.2	13.4	14.3	6.8	1.0	4.0	0.1	0.0	0.0
18	19.5	---	---	15.9	13.3	14.4	7.4	2.6	4.8	0.1	0.0	0.0
19	18.9	12.9	15.3	13.3	10.8	12.1	4.4	0.7	2.6	0.2	0.0	0.0
20	15.0	13.4	14.0	10.8	9.2	10.3	5.9	-0.1	2.6	0.1	0.0	0.0
21	20.9	13.3	16.3	10.3	7.6	8.9	4.4	1.8	3.1	7.1	0.0	3.4
22	20.3	17.1	18.9	9.7	7.7	8.8	2.2	-0.1	0.3	5.6	0.5	2.8
23	19.6	12.7	16.0	9.5	3.5	8.3	0.0	-0.1	0.0	1.9	0.2	0.8
24	19.8	10.9	15.1	7.0	2.0	4.4	0.1	0.0	0.0	7.1	-0.1	3.1
25	18.1	11.2	14.9	8.1	2.9	5.6	0.1	0.0	0.0	9.7	3.2	6.4
26	19.3	15.4	16.9	7.9	5.6	6.9	0.2	-0.1	0.0	9.0	4.1	6.5
27	19.4	17.7	18.5	8.7	5.0	6.9	1.7	-0.1	0.4	5.8	3.5	4.3
28	22.9	18.4	20.2	6.9	4.6	5.9	7.3	0.5	3.5	3.7	2.0	2.6
29	22.4	16.5	19.8	6.1	1.8	3.8	7.8	1.4	4.9	6.0	2.1	4.0
30	18.0	11.6	14.8	4.7	0.7	2.4	12.3	7.0	9.1	5.0	3.7	4.2
31	14.8	11.1	13.3	---	---	---	9.9	4.8	7.5	5.0	2.2	3.6
MONTH	25.3	9.2	16.6	16.4	0.7	9.0	12.3	-0.1	3.6	13.1	-0.1	2.0

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, 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	4.8	4.0	4.4	10.1	2.4	6.1	16.5	6.9	11.4	15.4	11.0	13.2
2	8.1	3.8	5.5	12.0	3.5	7.6	18.8	8.0	13.3	20.5	8.4	13.9
3	8.9	2.7	5.8	14.6	5.6	10.0	19.3	10.6	14.8	23.6	10.3	16.1
4	9.9	3.3	6.7	16.1	7.3	11.6	21.7	11.2	16.0	21.7	11.3	16.4
5	9.1	4.4	6.9	15.8	7.7	11.8	22.5	14.4	18.1	18.1	13.6	15.6
6	7.9	6.1	7.2	16.8	8.4	12.5	17.5	12.7	14.0	25.5	13.7	18.9
7	6.1	2.6	3.8	13.3	8.3	11.2	20.1	9.9	14.6	23.7	16.2	19.7
8	2.6	-0.1	1.4	12.6	5.5	8.9	17.8	11.6	14.5	27.7	17.8	21.9
9	4.5	-0.1	1.7	10.8	6.4	8.3	22.7	12.8	17.3	28.3	17.3	22.7
10	7.0	0.3	3.6	13.1	5.5	9.2	19.0	15.3	16.8	29.6	18.9	23.7
11	9.3	2.4	5.8	14.1	5.2	9.7	18.4	12.9	15.6	29.1	20.2	23.8
12	8.0	6.0	7.0	17.8	7.6	11.8	18.1	10.6	14.2	25.5	19.8	21.8
13	12.8	7.8	9.9	13.3	5.9	9.3	15.4	11.8	13.7	20.7	18.0	19.5
14	13.0	7.1	10	13.4	5.6	9.3	20.5	10.5	15.2	23.1	16.6	19.7
15	12.4	7.7	9.8	12.0	7.0	9.4	22.6	13.1	17.6	21.5	17.9	19.6
16	8.4	5.6	7.0	15.7	5.6	10.2	23.6	15.4	19.4	22.9	18.4	20.5
17	10.3	3.9	7.0	14.6	5.6	9.9	24.9	16.1	20.1	23.6	18.0	20.8
18	9.3	4.0	6.9	15.1	6.3	10.3	22.1	15.9	19.2	27.2	18.8	22.6
19	8.2	6.8	7.5	14.9	5.0	9.8	22.9	16.7	19.6	31.1	20.8	25.6
20	13.5	7.7	10.3	14.5	7.4	10.9	28.6	17.8	22.2	32.5	22.6	27.3
21	11.2	8.0	9.6	11.6	9.7	10.8	24.1	15.2	19.9	30.8	22.4	26.8
22	9.5	7.8	8.6	9.7	6.8	8.2	21.0	12.9	16.8	31.3	22.0	26.4
23	7.8	5.6	6.4	7.8	6.2	7.0	21.0	9.5	15.0	31.9	22.0	26.4
24	10.5	3.7	6.9	8.2	6.0	7.2	20.1	10.2	15.3	29.9	21.9	25.7
25	12.4	4.3	8.2	8.3	6.8	7.5	15.9	11.8	13.7	32.4	21.6	25.7
26	12.8	7.3	10	7.9	6.4	7.1	18.6	9.0	13.6	29.0	19.7	23.8
27	10.4	6.9	9.1	14.7	5.0	9.6	21.9	9.9	15.6	24.6	18.9	21.8
28	10.5	4.5	7.1	17.1	8.1	12.6	16.8	10.7	13.6	29.7	17.1	23.0
29	---	---	---	17.5	11.4	14.2	10.7	8.5	9.4	30.1	19.4	24.3
30	---	---	---	15.3	10.9	12.8	19.9	5.9	12.3	26.9	17.9	22.1
31	---	---	---	11.7	9.4	10.3	---	---	---	21.9	18.8	20.1
MONTH	13.5	-0.1	6.9	17.8	2.4	9.8	28.6	5.9	15.8	32.5	8.4	21.6

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, 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	29.3	17.2	22.8	32.6	22.8	27.4	33.2	22.3	27.5	31.3	22.7	26.8
2	26.8	19.9	23.4	32.4	23.0	27.1	33.5	22.3	27.5	30.1	23.6	26.7
3	24.3	19.7	22.1	31.1	19.2	24.6	34.1	23.2	28.2	31.2	23.3	27.1
4	28.5	17.9	22.7	25.9	19.4	22.0	34.5	23.6	27.5	30.3	22.4	26.0
5	30.7	19.5	24.9	27.6	23.2	25.4	31.6	20.5	25.5	28.4	21.1	24.4
6	32.7	22.4	27.1	29.0	24.7	26.7	33.8	21.4	27.1	25.9	21.1	23.2
7	32.0	22.2	26.7	29.3	24.6	26.8	31.0	23.2	26.8	27.8	21.7	24.0
8	35.0	22.9	28.3	29.8	23.9	26.9	34.6	22.7	27.9	30.4	21.6	25.4
9	27.6	19.3	23.0	30.4	24.1	27.1	33.6	23.4	28.3	28.9	21.0	24.5
10	25.2	19.8	21.4	31.0	23.6	27.2	34.4	23.6	28.5	28.7	19.4	23.7
11	27.1	20.0	23.3	33.0	24.2	28.4	32.2	23.9	27.8	26.4	20.6	23.5
12	24.9	20.0	21.8	29.6	25.3	27.3	32.7	24.2	27.9	30.1	21.7	25.0
13	23.0	18.7	20.6	31.3	22.9	26.9	28.1	22.4	25.3	31.1	21.8	25.4
14	25.2	20.7	22.8	32.7	23.9	28.3	23.3	19.8	21.3	27.4	18.5	22.7
15	26.7	21.5	24.1	33.4	24.3	28.9	25.0	20.0	22.3	26.2	18.2	21.5
16	27.3	20.8	24.1	33.0	25.3	29.2	27.7	22.2	24.5	26.9	15.9	21.1
17	26.5	20.8	23.7	32.7	24.3	28.4	31.4	22.7	26.2	26.8	16.9	21.6
18	27.8	23.8	25.7	27.8	23.3	24.6	34.5	23.0	28.0	31.0	21.1	25.6
19	29.4	23.8	26.4	31.9	22.7	26.6	34.8	24.8	28.7	28.4	22.4	25.5
20	30.9	24.0	27.3	33.2	24.4	28.6	31.3	23.2	26.5	31.3	20.2	25.3
21	30.4	24.1	---	34.3	24.5	29.2	28.8	23.4	26.1	30.1	22.4	25.8
22	31.6	24.2	27.8	35.5	25.5	30.4	28.4	23.3	25.7	30.4	20.6	24.5
23	30.8	23.5	27.1	34.8	26.0	30.0	29.5	23.1	25.9	29.2	19.5	23.7
24	31.1	22.9	26.8	33.6	24.4	28.7	27.4	23.2	25.4	29.7	21.3	25.0
25	31.0	23.3	27.0	33.2	24.0	28.1	27.4	23.2	25.1	31.8	21.0	25.6
26	30.7	23.3	26.8	26.2	20.4	23.4	30.4	25.0	27.5	28.2	19.5	23.1
27	31.6	23.1	26.9	29.4	17.3	22.9	31.4	25.7	28.4	27.0	15.8	21.1
28	31.3	22.3	26.4	31.4	18.5	24.7	30.3	25.8	27.7	22.6	15.7	20.0
29	31.4	22.7	26.9	31.3	20.0	25.5	30.6	23.1	26.6	21.8	11.1	16.1
30	33.1	23.6	27.7	32.4	20.8	26.2	31.4	23.9	27.6	22.9	13.1	17.7
31	---	---	---	33.7	21.7	27.2	32.2	23.6	27.5	---	---	---
MONTH	35.0	17.2	25.0	35.5	17.3	26.9	34.8	19.8	26.7	31.8	11.1	23.7
YEAR	35.5	-0.1	15.6									

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, 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	8.2	9.0	9.4	8.6	8.9	14.6	12.5	13.5	12.0	10.3	11.3
2	11.3	8.7	9.9	10.8	9.4	10.3	14.3	12.6	13.3	13.6	10.5	12.5
3	10.9	7.8	9.5	11.6	10.7	11.1	14.4	12.4	13.3	14.4	13.6	14.1
4	10.7	8.0	9.3	12.3	9.9	11.1	13.8	11.8	12.8	15.5	14.3	15.0
5	11.0	7.9	9.5	11.8	9.3	10.5	12.7	11.5	12.2	15.8	15.5	15.6
6	10.7	---	---	11.1	8.9	10	12.3	11.5	11.9	15.6	15.0	15.3
7	---	---	---	11.1	9.2	10.0	13.2	11.6	12.3	15.5	15.2	15.3
8	---	7.8	---	11.5	9.6	10.4	12.6	11.7	12.2	15.6	15.3	15.5
9	10.4	8.0	9.1	11.4	9.1	10.2	13.1	11.3	12.2	15.6	15.1	15.3
10	10.3	8.2	9.2	10.9	9.5	10.2	13.2	11.7	12.4	15.6	15.6	15.6
11	10.6	9.0	9.8	12.4	10.2	11.3	13.8	11.7	12.8	15.6	15.4	15.5
12	10.4	8.9	9.8	12.5	11.0	11.6	12.8	11.7	12.2	15.4	---	---
13	10.3	---	---	13.0	11.3	12.0	14.1	12.5	13.4	---	15.0	---
14	---	---	---	12.4	10.3	11.4	15.3	13.7	14.3	16.3	15.9	16.1
15	---	---	---	11.7	10.3	10.8	15.2	13.4	14.3	15.9	15.5	15.7
16	---	---	---	11.0	9.3	10.2	14.4	12.4	13.5	15.7	14.9	15.3
17	---	---	---	10.2	9.0	9.4	14.6	12.2	13.3	14.9	14.4	14.7
18	9.6	8.2	---	10.2	9.0	9.4	13.9	12.3	13.0	14.8	14.1	14.5
19	9.9	8.4	9.1	10.6	9.3	9.9	14.9	12.9	14.0	15.0	14.3	14.5
20	9.8	8.8	9.2	11.0	10.0	10.5	14.9	12.5	13.9	15.3	14.5	15.0
21	9.7	7.9	9.0	11.8	10.6	11.1	14.3	12.8	13.7	15.4	---	---
22	8.8	7.9	8.2	11.5	10.5	11.0	15.6	13.9	15.1	---	---	---
23	9.9	8.1	8.9	12.3	10.5	11.0	---	---	---	---	---	---
24	10.2	8.1	9.2	13.5	11.8	12.6	---	---	---	15.8	12.6	14.5
25	10.2	8.3	9.2	13.0	11.2	12.2	14.7	14.3	14.4	13.3	10.6	12.1
26	9.4	8.0	8.6	11.9	11.0	11.5	15.1	14.5	14.8	12.5	10.9	11.7
27	8.6	---	---	12.3	11.1	11.6	15.2	14.7	15.0	13.0	11.7	12.6
28	---	7.1	---	12.5	11.7	12.0	14.9	12.3	13.7	13.7	12.7	13.3
29	8.1	7.2	7.7	13.6	11.8	12.8	14.6	11.8	13.2	13.5	12.0	12.9
30	9.7	8.0	8.9	14.5	12.9	13.6	12.1	10.8	11.6	12.9	12.2	12.7
31	9.9	8.6	9.2	---	---	---	13.3	11.5	12.3	13.7	12.6	13.1
MONTH	11.3	7.1	9.1	14.5	8.6	11.0	15.6	10.8	13.3	16.3	10.3	14.2

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, 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	12.6	12.8	14.2	11.6	12.8	12.0	9.3	10.5	11.6	8.8	10.3
2	13.1	11.7	12.5	13.6	10.7	12.2	11.0	8.7	9.9	11.8	8.6	10.4
3	13.5	11.5	12.5	13.2	10.0	11.4	10.3	8.5	9.4	11.1	7.9	9.6
4	13.3	11.1	12.1	12.1	9.6	10.9	10.2	8.1	9.2	10.7	8.0	9.4
5	12.8	11.2	11.9	12.1	9.8	10.9	9.5	7.9	8.8	10.6	8.3	9.4
6	12.0	11.3	11.6	11.8	9.3	10.6	10.3	8.1	9.4	11.2	7.7	9.1
7	13.6	12.0	13.1	11.4	9.7	10.8	10.7	8.4	9.7	10.2	7.9	9.0
8	15.1	13.6	14.3	12.9	10.6	11.8	10.4	8.5	9.5	10.0	7.3	8.7
9	15.3	13.1	14.5	12.7	10.9	12.0	9.9	7.8	8.9	10.0	7.0	8.6
10	15.0	12.2	13.7	12.8	10.6	11.7	9.5	7.9	8.7	9.7	7.1	8.4
11	14.0	11.3	12.7	13.0	10.1	11.6	9.8	8.3	9.0	9.4	7.4	8.3
12	12.1	11.2	11.7	12.0	9.6	10.8	10.1	8.6	9.3	9.5	7.6	8.4
13	11.3	10.1	10.8	13.1	10.5	11.7	10.2	8.8	9.5	9.1	7.7	8.4
14	11.6	9.8	10.8	13.2	10.5	11.8	10.4	8.3	9.5	8.1	7.0	7.6
15	11.4	10.0	10.6	12.7	10.8	11.7	9.9	7.9	9.0	7.4	7.1	7.2
16	12.3	11.1	11.7	13.0	9.9	11.5	9.4	7.7	8.6	8.2	7.1	7.7
17	13.0	10.6	11.8	12.8	10.2	11.4	9.3	7.6	8.4	8.5	7.7	8.1
18	12.9	10.8	11.8	12.5	10.1	11.3	9.2	7.8	8.5	8.6	7.2	8.1
19	11.8	11.2	11.5	13.2	10.1	11.6	9.2	7.8	8.5	8.6	6.8	7.9
20	11.5	9.7	10.8	12.4	10.0	11.1	9.2	7.0	8.2	9.2	6.7	8.1
21	11.8	10.2	11.1	11.2	10.0	10.6	7.8	7.0	7.4	10.1	6.8	8.5
22	12.1	11.0	11.6	11.2	10.6	11.0	9.9	7.5	8.9	10.7	7.0	8.8
23	12.7	11.7	12.3	11.6	11.2	11.4	10.9	8.6	9.7	13.6	6.8	9.9
24	13.5	11.4	12.4	11.9	11.3	11.6	10.7	8.4	9.6	11.8	6.8	9.1
25	13.2	10.6	11.9	12.0	11.3	11.7	10.3	8.6	9.6	10.6	7.2	9.0
26	12.0	10.4	11.2	12.3	11.7	12.0	11.1	8.9	10.0	10.4	7.5	9.1
27	11.9	10.7	11.3	12.6	9.3	11.3	11.0	8.1	9.7	10.5	7.6	9.2
28	13.2	11.4	12.3	11.3	8.9	10.1	10.7	8.3	9.8	10.6	7.5	9.3
29	---	---	---	10.2	8.7	9.5	11.9	9.9	11.0	10.1	7.4	8.9
30	---	---	---	10.7	8.8	9.9	12.3	8.7	10.8	11.0	7.4	9.5
31	---	---	---	11.2	9.9	10.7	---	---	---	11.4	7.9	---
MONTH	15.3	9.7	12.0	14.2	8.7	11.3	12.3	7.0	9.3	13.6	6.7	8.8

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, 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	11.3	7.3	9.8	11.4	6.1	8.4	10.8	6.5	8.5	9.5	6.7	8.1
2	11.2	7.3	9.3	11.0	6.1	8.3	10.8	6.4	8.6	10.3	6.9	8.4
3	11.0	7.7	9.1	10.0	6.0	7.6	10.9	6.3	8.4	10.1	7.0	8.4
4	10.6	7.0	9.1	6.0	4.2	4.7	10.5	6.3	8.2	9.6	7.1	8.4
5	10.4	6.8	8.8	5.1	4.3	4.9	10.2	7.0	8.7	10.9	7.4	9.1
6	11.2	6.7	8.8	6.4	4.8	5.6	11.4	6.5	8.9	10.7	7.6	9.1
7	11.8	6.6	9.1	7.6	5.6	6.5	10.5	6.6	8.3	10.3	7.6	8.8
8	13.2	6.0	9.3	8.3	6.1	7.1	10.3	6.5	8.5	9.6	7.3	8.5
9	8.1	5.3	6.1	8.3	6.2	7.2	10.5	6.6	8.5	9.4	7.5	8.5
10	7.2	4.6	6.0	9.2	6.3	7.6	11.1	6.4	8.6	9.8	7.8	8.8
11	7.5	6.2	7.0	10.3	5.9	7.8	10.9	6.4	8.5	10.5	7.5	9.0
12	7.3	5.8	6.5	9.4	5.9	7.5	10.4	6.5	8.3	10.4	7.0	8.6
13	5.9	5.5	5.8	9.9	6.4	8.0	10.1	6.6	8.1	11.2	6.9	8.9
14	6.1	5.5	5.8	10.2	6.3	8.0	10.3	7.8	9.0	11.6	7.3	9.1
15	6.5	5.7	6.1	10.1	6.0	---	10.1	7.7	8.9	11.0	7.7	9.5
16	5.9	5.5	5.7	10.5	5.7	7.9	9.8	7.4	8.5	11.7	7.5	9.7
17	---	---	---	9.1	---	---	9.9	7.1	8.3	11.2	7.6	9.4
18	---	---	---	---	---	---	9.5	6.7	8.2	10.4	7.0	8.8
19	---	---	---	---	---	---	9.8	6.9	8.2	9.5	6.7	8.3
20	---	---	---	---	---	---	11.7	7.0	8.6	10.3	6.6	8.3
21	10.1	---	---	---	---	---	11.1	7.0	8.7	9.7	6.9	8.2
22	11.0	6.2	8.1	12.9	---	---	10.8	7.0	8.7	9.6	7.3	8.4
23	10.7	6.2	8.2	12.7	5.8	8.8	8.8	6.8	7.6	10.5	7.2	8.9
24	10.3	6.5	8.1	11.8	6.0	8.6	9.1	6.5	7.9	10.6	7.1	8.7
25	10.5	6.5	8.3	10.6	6.1	8.2	7.0	6.2	6.7	11.8	6.9	9.0
26	10.5	6.5	8.4	8.6	6.4	7.6	7.2	6.1	6.7	12.0	7.1	9.5
27	10.5	6.9	---	8.9	7.0	8.1	8.1	6.0	6.9	10.7	7.3	9.2
28	---	---	---	8.8	6.6	8.0	7.6	6.0	6.7	10.3	7.4	8.8
29	9.8	---	---	8.9	6.7	8.0	---	6.1	---	11.0	8.5	9.8
30	10.7	6.2	8.2	9.0	6.7	8.1	8.3	---	---	10.8	8.1	9.5
31	---	---	---	9.4	6.4	8.1	9.2	6.6	7.8	---	---	---
MONTH	13.2	4.6	7.8	12.9	4.2	7.5	11.7	6.0	8.2	12.0	6.6	8.9
YEAR	16.3	4.2	10.2									

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, 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	20	22	26	19	23	16	12	14
2	---	---	---	21	14	17	25	20	22	20	8.5	12
3	---	---	---	16	12	14	24	20	21	20	9.3	13
4	---	---	---	16	13	15	21	16	19	100	16	43
5	---	---	---	19	14	16	24	16	19	70	16	27
6	---	---	---	17	13	15	24	17	20	34	14	19
7	---	---	---	16	11	13	22	17	20	51	16	28
8	---	---	---	13	8.8	11	22	15	18	40	17	26
9	---	---	---	12	8.9	9.8	21	14	17	---	19	---
10	---	---	---	14	9.3	11	21	---	---	---	---	---
11	---	---	---	15	9.2	11	---	---	---	---	---	---
12	---	---	---	13	9.0	10	---	---	---	---	---	---
13	---	---	---	13	9.3	11	---	---	---	---	---	---
14	---	---	---	12	8.6	10	---	---	---	---	5	---
15	---	---	---	17	9.4	11	22	4.6	12	9.4	3.7	6.0
16	---	---	---	17	12	13	16	8.8	11	24	7.3	13
17	---	---	---	24	16	19	11	8.4	9.9	20	11	15
18	---	---	---	28	22	25	11	7.6	9.4	18	9.3	12
19	26	20	23	34	27	30	11	7.1	9.1	35	10	17
20	22	18	20	34	21	27	15	4.2	10	96	19	48
21	28	20	23	29	18	23	12	9.1	11	---	---	---
22	31	25	28	23	17	20	12	2.0	7.0	---	---	---
23	29	17	21	27	18	21	5.9	<2.0	3.3	---	---	---
24	18	14	17	36	24	28	6.8	<2.0	3.2	---	---	---
25	16	10	13	50	36	43	8.7	<2.0	5.0	---	---	---
26	44	15	26	49	39	44	23	7.4	14	39	25	30
27	120	43	---	40	---	---	62	8.8	29	27	19	23
28	---	78	---	---	---	---	45	17	23	25	17	20
29	78	48	62	---	18	---	22	13	16	24	17	19
30	48	27	34	28	17	20	29	18	20	34	22	27
31	28	19	22	---	---	---	21	13	16	40	29	32
MONTH	120	10	26	50	8.6	19	62	2.0	15	100	3.7	22

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, 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	49	30	42	20	11	13	33	17	22	14	5.4	7.8
2	49	41	44	14	11	12	21	15	18	11	4.7	6.8
3	42	34	37	15	11	13	22	17	20	11	6.4	8.5
4	36	23	27	22	11	13	33	15	23	18	5.4	8.0
5	30	19	22	22	13	16	36	15	24	22	7.0	11
6	39	21	26	18	13	15	24	17	20	28	7.3	13
7	66	39	54	19	12	14	29	18	21	45	7.7	13
8	64	35	54	14	9.4	11	34	24	29	47	18	29
9	58	20	35	14	8.4	10	38	22	27	32	10	18
10	43	33	36	16	8.6	11	41	24	28	27	9.0	12
11	48	32	35	13	9.0	10	120	31	61	24	9.5	15
12	35	28	32	17	8.8	11	82	59	71	81	11	25
13	50	30	37	16	7.4	9.6	68	42	54	200	66	92
14	56	46	52	12	7.9	9.2	42	28	33	260	170	220
15	49	30	38	11	6.8	8.3	35	26	28	210	140	180
16	30	20	24	12	7.1	8.7	38	25	28	140	100	120
17	22	18	19	16	9.2	11	30	25	27	110	100	100
18	20	15	17	12	8.6	9.8	54	23	29	120	74	90
19	34	16	20	9.5	6.8	8.2	32	21	25	110	70	---
20	36	31	33	9.1	6.9	8.1	48	18	24	88	50	62
21	34	24	29	39	8.7	17	620	48	210	54	41	47
22	25	16	19	210	39	150	59	18	33	71	36	45
23	23	14	15	180	130	160	18	9.0	12	79	41	53
24	28	14	20	130	76	100	13	6.9	9.2	80	47	61
25	25	16	19	76	46	59	13	5.3	8.0	71	51	60
26	23	14	16	46	34	39	15	6.1	8.3	64	41	49
27	18	12	15	38	28	32	20	6.5	10	47	34	38
28	18	12	14	35	28	31	17	4.9	8.5	52	29	36
29	---	---	---	47	31	35	6.9	3.0	5.1	41	31	36
30	---	---	---	---	---	---	14	4.1	6.6	59	24	35
31	---	---	---	---	---	---	---	---	---	40	23	32
MONTH	66	12	30	210	6.8	29	620	3.0	31	260	4.7	51

07144780 NORTH FORK NINNESCAH RIVER ABOVE CHENEY RESERVOIR, 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	52	32	41	40	25	30	31	18	22	56	46	50
2	62	47	52	39	24	29	33	17	22	52	46	50
3	86	40	51	>1,700	24	>260	34	16	23	54	38	---
4	110	68	85	600	170	320	20	14	17	43	36	---
5	100	77	88	170	110	140	27	9.8	14	---	---	---
6	87	60	71	110	84	94	41	14	23	43	32	37
7	90	60	72	92	77	85	40	17	25	33	26	30
8	140	56	69	77	68	73	28	21	24	30	25	28
9	660	140	270	71	57	66	31	18	24	29	24	26
10	470	120	230	58	50	55	38	18	25	28	22	25
11	120	62	80	51	45	49	32	18	24	28	22	25
12	290	62	130	47	40	44	70	20	---	38	26	30
13	140	90	120	40	36	39	87	48	63	38	26	30
14	90	69	81	39	35	36	65	46	56	72	22	29
15	76	67	69	44	34	39	48	31	38	41	25	30
16	380	71	100	57	35	41	---	---	---	71	28	42
17	180	73	120	56	34	41	---	---	---	---	---	---
18	73	51	60	51	34	38	40	31	35	---	---	---
19	58	52	54	70	41	55	58	33	39	---	---	---
20	56	51	53	53	41	47	100	58	82	39	25	29
21	53	44	48	44	40	42	110	80	93	41	21	26
22	48	41	44	63	41	47	140	69	81	27	18	22
23	48	36	40	60	42	47	680	140	380	40	16	22
24	57	32	36	53	33	41	540	160	240	29	16	21
25	57	29	34	40	24	30	540	240	340	33	20	26
26	33	23	29	24	17	21	240	160	180	32	18	24
27	30	22	26	21	15	17	160	130	140	23	16	20
28	32	17	23	20	15	18	160	130	140	22	14	18
29	33	17	25	21	15	17	160	110	130	16	9.5	12
30	46	23	28	19	14	16	110	80	91	18	9.5	13
31	---	---	---	20	14	18	82	55	71	---	---	---
MONTH	660	17	74	1,700	14	61	680	9.8	87	72	9.5	28
YEAR	1,700	2.0	41									

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

07144790 CHENEY RESERVOIR NEAR CHENEY, KS

LOCATION.--Lat 37°43'34", long 97°47'38", in NW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ sec.6, T.27 S., R.4 W., Sedgwick County, Hydrologic Unit 11030014, in control house structure at outlet works of Cheney Dam on North Fork Ninnescah River, 6.0 mi north of Cheney, and at mile 15.9.

WATER-DISCHARGE RECORDS

DRAINAGE AREA.--901 mi^2, of which 237 mi^2 is probably noncontributing.

PERIOD OF RECORD.--November 1964 to current year.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (levels by Bureau of Reclamation).

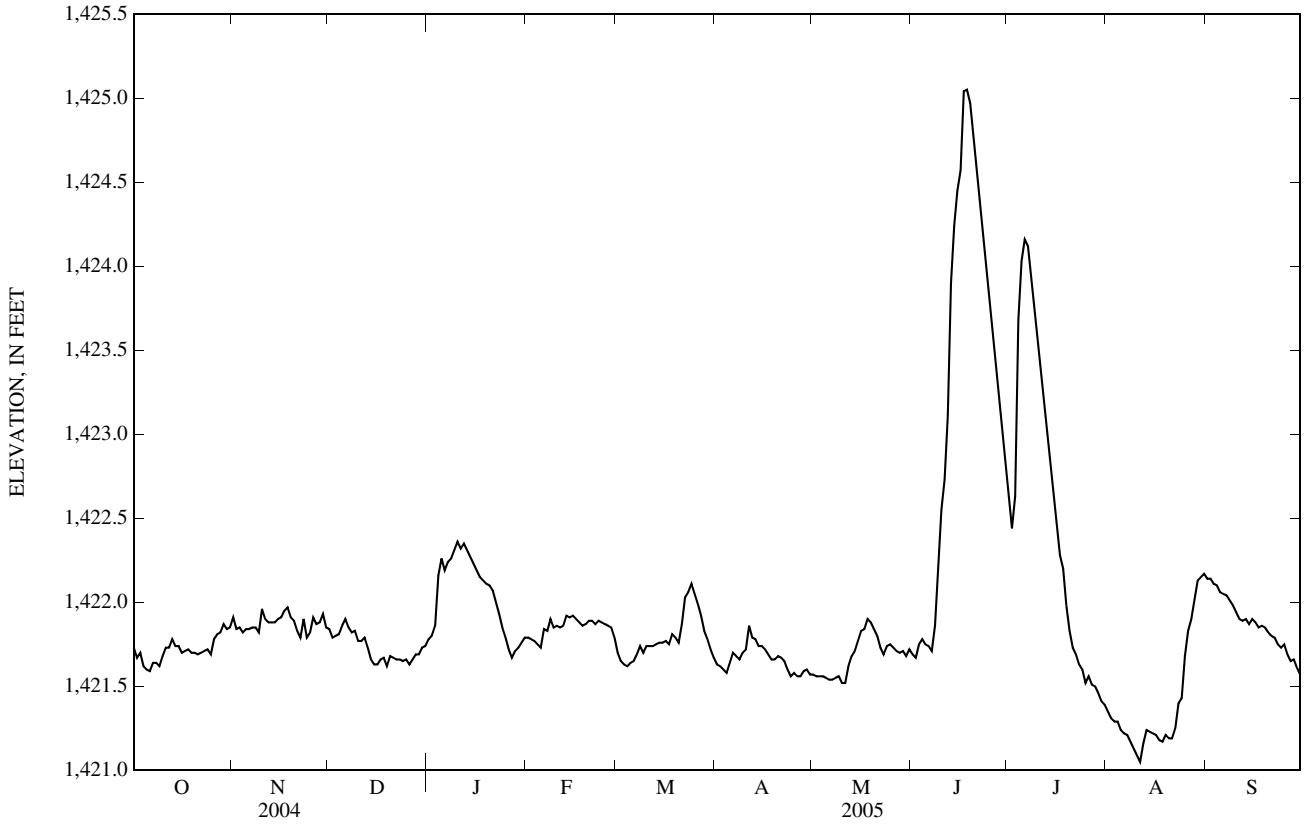
REMARKS.--Records good. Reservoir is formed by compacted earthfill dam. Storage began Nov. 17, 1964. Conservation pool elevation was first reached on Nov. 2, 1969. Total capacity, 566,300 acre-ft, consisting of the following: Dead storage, 979 acre-ft below elevation 1,378.5 ft; fish and wildlife storage, 14,310 acre-ft between elevations 1,378.5 ft and 1,392.9 ft; conservation pool, 151,800 acre-ft between elevations 1,392.9 ft and 1,421.6 ft; flood-control pool, 80,860 acre-ft between elevations 1,421.6 ft and 1,429.0 ft, crest of uncontrolled spillway; and uncontrolled storage, 318,300 acre-ft between elevations 1,429.0 ft and 1,447.8 ft. Reservoir is used for supplemental water supply for municipal and industrial uses in the city of Wichita, fish and wildlife conservation, flood control, and recreational purposes in Cheney Division Wichita project. Figures given herein represent total contents. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 1,429.40 ft, June 11, 1995, contents, 252,980 acre-ft; minimum elevation since conservation pool was first reached, 1,412.33 ft, Dec. 2-4, 1971, contents, 93,300 acre-ft.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,425.06 ft, June 18, contents, 202,220 acre-ft; minimum elevation, 1,421.03 ft, Aug. 12, contents, 161,660 acre-ft.

Capacity table (elevation, in feet, and contents, in acre-feet)
(Based on survey by Bureau of Reclamation computed in 1965)

Elevation	Contents	Elevation	Contents	Elevation	Contents
1,419	143,400	1,422	170,900	1,425	201,600
1,420	152,200	1,423	180,700	1,426	212,500
1,421	161,400	1,424	191,000		



07144790 CHENEY RESERVOIR NEAR CHENEY, 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	1,421.73	1,421.91	1,421.84	1,421.78	1,421.79	1,421.70	1,421.63	1,421.57	1,421.69	1,422.67	1,421.35	1,422.14
2	1,421.67	1,421.84	1,421.79	1,421.80	1,421.78	1,421.65	1,421.62	1,421.56	1,421.67	1,422.44	1,421.31	1,422.14
3	1,421.70	1,421.85	1,421.80	1,421.86	1,421.77	1,421.63	1,421.60	1,421.56	1,421.75	1,422.63	1,421.29	1,422.11
4	1,421.62	1,421.82	1,421.81	1,422.16	1,421.75	1,421.62	1,421.58	1,421.56	1,421.78	1,423.68	1,421.29	1,422.10
5	1,421.60	1,421.84	1,421.86	1,422.26	1,421.73	1,421.64	1,421.64	1,421.55	1,421.75	1,424.03	1,421.24	1,422.06
6	1,421.59	1,421.84	1,421.90	1,422.19	1,421.84	1,421.65	1,421.70	1,421.54	1,421.74	1,424.16	1,421.22	1,422.05
7	1,421.64	1,421.85	1,421.85	1,422.24	1,421.83	1,421.69	1,421.68	1,421.54	1,421.71	1,424.12	1,421.21	1,422.04
8	1,421.64	1,421.85	1,421.82	1,422.26	1,421.90	1,421.74	1,421.66	1,421.55	1,421.86	1,423.97	1,421.17	1,422.01
9	1,421.62	1,421.82	1,421.83	1,422.31	1,421.85	1,421.70	1,421.70	1,421.56	1,422.24	1,423.81	1,421.13	1,421.98
10	1,421.68	1,421.96	1,421.77	1,422.36	1,421.86	1,421.74	1,421.72	1,421.52	1,422.55	1,423.64	1,421.09	1,421.94
11	1,421.73	1,421.90	1,421.77	1,422.32	1,421.85	1,421.74	1,421.86	1,421.52	1,422.73	1,423.46	1,421.05	1,421.90
12	1,421.73	1,421.88	1,421.79	1,422.35	1,421.86	1,421.74	1,421.79	1,421.62	1,423.11	1,423.28	1,421.16	1,421.89
13	1,421.78	1,421.88	1,421.73	1,422.31	1,421.92	1,421.75	1,421.78	1,421.68	1,423.90	1,423.09	1,421.24	1,421.90
14	1,421.74	1,421.88	1,421.66	1,422.27	1,421.91	1,421.76	1,421.74	1,421.71	1,424.24	1,422.92	1,421.23	1,421.87
15	1,421.74	1,421.90	1,421.63	1,422.23	1,421.92	1,421.76	1,421.74	1,421.77	1,424.45	1,422.72	1,421.22	1,421.90
16	1,421.70	1,421.91	1,421.63	1,422.19	1,421.90	1,421.77	1,421.72	1,421.83	1,424.57	1,422.51	1,421.21	1,421.88
17	1,421.71	1,421.95	1,421.66	1,422.15	1,421.88	1,421.75	1,421.69	1,421.84	1,425.04	1,422.28	1,421.18	1,421.85
18	1,421.72	1,421.97	1,421.67	1,422.13	1,421.86	1,421.81	1,421.66	1,421.90	1,425.05	1,422.20	1,421.17	1,421.86
19	1,421.70	1,421.91	1,421.62	1,422.11	1,421.87	1,421.79	1,421.66	1,421.88	1,424.97	1,421.98	1,421.21	1,421.85
20	1,421.70	1,421.89	1,421.68	1,422.10	1,421.89	1,421.76	1,421.68	1,421.84	1,424.83	1,421.83	1,421.19	1,421.82
21	1,421.69	1,421.83	1,421.67	1,422.07	1,421.89	1,421.87	1,421.67	1,421.80	1,424.68	1,421.73	1,421.19	1,421.80
22	1,421.70	1,421.79	1,421.66	1,422.00	1,421.87	1,422.03	1,421.65	1,421.73	1,424.51	1,421.69	1,421.25	1,421.79
23	1,421.71	1,421.90	1,421.66	1,421.93	1,421.89	1,422.06	1,421.60	1,421.69	1,424.33	1,421.63	1,421.40	1,421.75
24	1,421.72	1,421.79	1,421.65	1,421.85	1,421.88	1,422.11	1,421.56	1,421.74	1,424.13	1,421.60	1,421.43	1,421.73
25	1,421.69	1,421.82	1,421.66	1,421.79	1,421.87	1,422.05	1,421.58	1,421.75	1,423.94	1,421.52	1,421.68	1,421.75
26	1,421.78	1,421.91	1,421.63	1,421.72	1,421.86	1,421.99	1,421.56	1,421.73	1,423.73	1,421.56	1,421.83	1,421.69
27	1,421.81	1,421.87	1,421.66	1,421.67	1,421.85	1,421.92	1,421.56	1,421.71	1,423.52	1,421.51	1,421.90	1,421.65
28	1,421.82	1,421.88	1,421.69	1,421.71	1,421.79	1,421.83	1,421.59	1,421.70	1,423.30	1,421.50	1,422.02	1,421.66
29	1,421.87	1,421.93	1,421.69	1,421.73	---	1,421.78	1,421.60	1,421.71	1,423.08	1,421.46	1,422.13	1,421.61
30	1,421.84	1,421.85	1,421.73	1,421.76	---	1,421.72	1,421.57	1,421.68	1,422.89	1,421.41	1,422.15	1,421.57
31	1,421.85	---	1,421.74	1,421.79	---	1,421.67	---	1,421.72	---	1,421.39	1,422.17	---
MEAN	1,421.72	1,421.87	1,421.73	1,422.05	1,421.85	1,421.79	1,421.66	1,421.68	1,423.33	1,422.53	1,421.40	1,421.88
MAX	1,421.87	1,421.97	1,421.90	1,422.36	1,421.92	1,422.11	1,421.86	1,421.90	1,425.05	1,424.16	1,422.17	1,422.14
MIN	1,421.59	1,421.79	1,421.62	1,421.67	1,421.73	1,421.62	1,421.56	1,421.52	1,421.67	1,421.39	1,421.05	1,421.57
(+)	169,450	169,450	168,400	168,880	168,880	167,740	166,790	168,210	179,650	165,080	172,550	166,790
(#)	+1,330	0	-1,050	-480	0	-1,140	-950	+1,420	+11,440	-14,570	+7,470	-5,760

CAL YR 2004 ..... (#) +7,940
WTR YR 2005 ..... (#) -1,330

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

07144790 CHENEY RESERVOIR NEAR CHENEY, KS—Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 2001 to current year.
pH: April 2001 to current year.
WATER TEMPERATURE: April 2001 to current year.
DISSOLVED OXYGEN: April 2001 to current year.
TURBIDITY (YSI 6026 sensor): April 2001 to current year.
TURBIDITY (YSI 6136 sensor): May 2005 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 sensor.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 922 microsiemens/cm, Mar. 3, 2002; minimum, 558 microsiemens/cm, Mar. 21, 2003.
pH: Maximum, 9.1 standard units, Apr. 9, 2002; minimum, 7.5 standard units, Aug. 22, 2003.
WATER TEMPERATURE: Maximum, 32.8°C, Aug. 5, 2003; minimum, -0.1°C, Jan. 23, 2003.
DISSOLVED OXYGEN: Maximum 16.8 mg/L, Mar. 2, 2003; minimum, 0.7 mg/L, Aug. 15, 2003.
TURBIDITY (YSI 6026 sensor): Maximum, 200 FNU, July 16, 2002; minimum, 1.9 FNU, May 5, 2003.
TURBIDITY (YSI 6136 sensor): Maximum, 26 FNU, July 2, 2005; minimum, 3.4 FNU, May 25, 2005.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 898 microsiemens/cm, June 8; minimum, 719 microsiemens/cm, Sept. 1.
pH: Maximum, 9.1 standard units, July 12; minimum, 7.9 standard units, Oct. 3.
WATER TEMPERATURE: Maximum, 29.3°C, Aug. 26; minimum, -0.1°C, Jan. 6.
DISSOLVED OXYGEN: Maximum, 16.8 mg/L, Feb. 2; minimum, 3.8 mg/L, Aug. 29.
TURBIDITY (YSI 6026 sensor): Maximum, 94 FNU, July 3; minimum, 2.1 FNU, Jan. 31.
TURBIDITY (YSI 6136 sensor): Maximum, 26 FNU, July 2; minimum, 3.4 FNU, May 25.

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	763	761	762	775	772	773	799	797	798	825	823	824
2	765	760	761	776	774	775	799	798	799	823	820	822
3	768	762	764	779	775	777	800	799	800	822	818	820
4	766	763	764	779	777	778	802	800	801	822	812	819
5	767	764	765	779	778	778	804	801	802	820	789	810
6	769	766	766	780	777	779	806	803	804	830	818	825
7	769	766	767	779	778	778	808	806	807	824	820	823
8	771	765	769	779	778	778	811	808	810	826	822	824
9	770	768	769	780	778	779	811	810	811	825	823	824
10	770	768	770	781	779	780	819	811	814	825	821	824
11	768	767	767	781	780	781	822	816	818	826	824	825
12	767	765	766	782	781	781	816	809	813	826	824	825
13	767	765	766	782	781	782	812	808	810	826	822	825
14	767	765	766	783	782	782	811	809	810	832	824	828
15	767	765	766	783	782	783	817	808	811	836	832	833
16	766	764	765	784	782	783	810	807	809	838	836	836
17	766	765	765	793	782	788	811	809	810	839	834	837
18	767	766	766	794	792	792	811	809	810	837	835	836
19	768	766	767	792	790	791	812	810	811	836	835	835
20	769	768	768	792	789	791	813	812	813	835	834	834
21	770	769	769	792	791	792	814	812	813	835	833	834
22	771	769	770	793	792	793	818	813	815	835	833	834
23	771	769	770	793	790	792	823	817	821	835	833	834
24	771	770	771	792	790	791	828	820	824	835	833	834
25	772	770	771	792	791	792	828	826	827	834	832	833
26	772	764	769	794	792	792	830	826	828	833	830	831
27	772	769	771	803	793	798	829	827	828	834	832	833
28	771	768	770	804	797	801	828	826	827	833	832	832
29	771	769	770	805	798	802	829	826	828	833	829	831
30	774	770	771	798	797	798	828	825	826	837	830	833
31	774	772	773	---	---	---	826	824	825	836	829	831
MONTH	774	760	768	805	772	786	830	797	814	839	789	829

07144790 CHENEY RESERVOIR NEAR CHENEY, 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	831	828	830	835	825	828	849	847	848	882	881	881
2	828	825	827	833	825	829	849	848	849	883	881	882
3	828	826	827	828	825	826	850	848	849	886	883	884
4	828	826	827	827	822	826	852	850	850	884	883	884
5	829	826	827	827	823	825	864	851	857	885	884	884
6	829	824	826	827	825	826	864	860	862	885	884	885
7	828	816	822	826	822	824	863	861	862	886	885	885
8	819	805	813	826	824	825	874	862	868	887	886	886
9	833	810	820	826	823	825	867	865	866	888	886	886
10	834	829	831	827	825	826	867	866	867	887	886	887
11	835	833	835	842	826	832	868	866	867	888	887	887
12	833	830	831	844	827	835	870	865	866	889	882	887
13	830	821	826	832	828	830	869	866	868	888	882	886
14	826	824	825	839	829	834	869	867	868	887	882	885
15	826	810	821	841	838	840	870	868	869	884	882	883
16	823	820	822	843	839	840	869	869	869	885	883	885
17	833	822	827	841	840	840	871	869	870	885	884	885
18	835	828	831	841	839	840	872	870	871	888	884	886
19	829	823	826	842	839	841	873	871	872	891	885	887
20	825	822	824	845	842	843	874	873	873	888	885	886
21	824	821	823	846	842	844	875	873	874	888	885	887
22	826	823	825	844	841	843	877	874	875	890	885	889
23	826	824	825	845	841	843	878	875	876	889	881	885
24	826	824	825	845	843	844	879	876	878	889	883	885
25	830	825	828	844	842	843	878	877	877	888	880	885
26	830	827	829	845	843	844	879	877	878	885	878	881
27	828	824	826	847	843	844	880	878	879	883	878	879
28	827	823	825	846	844	844	880	878	879	883	879	880
29	---	---	---	847	844	845	880	879	880	881	879	880
30	---	---	---	847	843	846	881	879	880	883	878	881
31	---	---	---	848	846	847	---	---	---	880	877	879
MONTH	835	805	826	848	822	836	881	847	868	891	877	884

07144790 CHENEY RESERVOIR NEAR CHENEY, 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	893	878	885	803	800	802	748	747	748	739	719	733
2	894	886	889	802	796	799	749	748	748	738	721	732
3	895	886	889	803	788	798	750	748	749	736	732	734
4	893	885	889	792	787	789	749	748	749	735	730	734
5	896	882	889	788	782	785	749	748	749	733	730	731
6	894	885	889	791	785	787	749	744	746	731	729	730
7	891	887	889	788	778	782	747	745	746	731	728	729
8	898	889	892	786	779	782	746	741	743	731	729	729
9	894	888	890	781	772	777	754	740	746	731	729	729
10	894	885	889	772	751	765	753	750	751	729	728	729
11	891	881	884	763	750	758	754	750	751	729	727	728
12	882	862	872	760	726	749	752	728	747	728	727	727
13	873	867	870	747	728	740	738	723	733	731	726	728
14	872	833	858	749	744	746	736	733	735	730	729	730
15	859	839	851	748	736	---	738	733	735	730	727	728
16	855	846	853	742	737	738	739	736	738	730	726	728
17	859	841	851	746	740	743	745	739	742	730	728	729
18	853	821	840	748	731	740	744	742	743	732	727	728
19	832	780	802	738	733	735	745	742	744	732	727	729
20	823	810	816	739	736	737	746	742	744	731	728	729
21	817	812	814	739	737	738	745	744	744	732	728	730
22	824	808	816	743	738	741	745	741	742	733	728	731
23	814	805	808	746	742	744	742	735	740	731	727	729
24	810	804	807	745	743	744	741	739	740	735	729	731
25	809	797	805	746	745	745	739	736	738	734	727	731
26	805	801	802	746	744	745	742	734	736	732	728	731
27	805	803	804	745	743	745	738	732	734	732	730	731
28	804	803	803	747	743	745	737	732	735	733	730	731
29	804	798	801	748	745	746	742	736	739	740	731	735
30	803	799	801	748	746	747	739	730	735	740	739	740
31	---	---	---	748	747	748	740	738	739	---	---	---
MONTH	898	780	848	803	726	758	754	723	742	740	719	730
YEAR	898	719	807									

07144790 CHENEY RESERVOIR NEAR CHENEY, 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	8.2	8.0	8.1	8.3	8.1	8.2	8.6	8.5	8.5	8.7	8.6	8.6
2	8.2	7.9	8.1	8.2	8.2	8.2	8.6	8.5	8.5	8.7	8.6	8.6
3	8.2	7.9	8.0	8.2	8.2	8.2	8.6	8.5	8.6	8.7	8.6	8.6
4	8.3	8.1	8.2	8.3	8.2	8.2	8.6	8.5	8.6	8.6	8.6	8.6
5	8.2	8.0	8.0	8.3	8.2	8.2	8.6	8.5	8.6	8.6	8.6	8.6
6	8.1	8.0	8.0	8.3	8.2	8.3	8.6	8.5	8.5	8.6	8.6	8.6
7	8.1	7.9	8.1	8.4	8.2	8.3	8.6	8.5	8.6	8.7	8.6	8.6
8	8.2	7.9	8.1	8.3	8.2	8.2	8.6	8.5	8.5	8.6	8.6	8.6
9	8.3	8.1	8.1	8.3	8.2	8.2	8.6	8.5	8.5	8.6	8.5	8.6
10	8.1	8.0	8.1	8.3	8.2	8.2	8.6	8.5	8.6	8.6	8.6	8.6
11	8.0	8.0	8.0	8.3	8.2	8.3	8.6	8.6	8.6	8.6	8.6	8.6
12	8.2	8.0	8.1	8.3	8.3	8.3	8.6	8.5	8.6	8.7	8.6	8.6
13	8.1	8.1	8.1	8.3	8.2	8.3	8.6	8.6	8.6	8.7	8.6	8.7
14	8.3	8.0	8.2	8.3	8.1	8.2	8.6	8.5	8.6	8.7	8.6	8.7
15	8.2	8.2	8.2	8.2	8.1	8.2	8.6	8.5	8.6	8.6	8.4	8.6
16	8.3	8.2	8.2	8.2	8.1	8.2	8.6	8.5	8.6	8.6	8.4	8.5
17	8.3	8.2	8.2	8.4	8.2	8.3	8.6	8.6	8.6	8.6	8.5	8.6
18	8.3	8.2	8.2	8.6	8.4	8.5	8.6	8.6	8.6	8.7	8.5	8.6
19	8.3	8.1	8.2	8.6	8.5	8.5	8.6	8.6	8.6	8.7	8.5	8.6
20	8.2	8.1	8.1	8.5	8.5	8.5	8.6	8.6	8.6	8.7	8.6	8.7
21	8.2	8.1	8.2	8.5	8.4	8.5	8.6	8.6	8.6	8.8	8.7	8.7
22	8.2	8.1	8.2	8.5	8.4	8.5	8.7	8.6	8.6	8.8	8.7	8.7
23	8.3	8.2	8.2	8.5	8.4	8.4	8.7	8.6	8.6	8.8	8.7	8.8
24	8.2	8.1	8.2	8.5	8.4	8.4	8.7	8.6	8.7	8.8	8.7	8.8
25	8.3	8.1	8.2	8.5	8.4	8.5	8.7	8.6	8.7	8.8	8.8	8.8
26	8.2	8.1	8.2	8.5	8.5	8.5	8.7	8.6	8.6	8.8	8.6	8.8
27	8.2	8.1	8.1	8.5	8.5	8.5	8.6	8.6	8.6	8.8	8.7	8.8
28	8.2	8.1	8.2	8.5	8.5	8.5	8.7	8.6	8.6	8.8	8.8	8.8
29	8.2	8.2	8.2	8.5	8.5	8.5	8.7	8.6	8.6	8.9	8.8	8.9
30	8.4	8.2	8.2	8.5	8.5	8.5	8.7	8.6	8.6	8.9	8.8	8.8
31	8.3	8.2	8.2	---	---	---	8.7	8.6	8.7	8.9	8.8	8.9
MAX	8.4	8.2	8.2	8.6	8.5	8.5	8.7	8.6	8.7	8.9	8.8	8.9
MIN	8.0	7.9	8.0	8.2	8.1	8.2	8.6	8.5	8.5	8.6	8.4	8.5

07144790 CHENEY RESERVOIR NEAR CHENEY, 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	8.9	8.9	8.9	8.8	8.7	8.7	8.6	8.5	8.5	8.5	8.4	8.4
2	8.9	8.9	8.9	8.7	8.7	8.7	8.5	8.5	8.5	8.5	8.4	8.4
3	8.9	8.9	8.9	8.8	8.7	8.7	8.5	8.4	8.5	8.5	8.4	8.5
4	8.9	8.9	8.9	8.8	8.7	8.7	8.5	8.5	8.5	8.5	8.4	8.4
5	8.9	8.9	8.9	8.8	8.7	8.7	8.5	8.4	8.4	8.4	8.4	8.4
6	8.9	8.8	8.9	8.8	8.7	8.7	8.4	8.4	8.4	8.4	8.4	8.4
7	8.9	8.8	8.9	8.7	8.7	8.7	8.5	8.4	8.4	8.4	8.4	8.4
8	8.9	8.8	8.8	8.7	8.7	8.7	8.5	8.4	8.4	8.5	8.4	8.4
9	8.8	8.8	8.8	8.8	8.7	8.7	8.4	8.3	8.4	8.5	8.4	8.4
10	8.8	8.8	8.8	8.8	8.7	8.7	8.4	8.3	8.4	8.5	8.4	8.4
11	8.8	8.8	8.8	8.8	8.7	8.7	8.4	8.3	8.4	8.5	8.4	8.4
12	8.8	8.8	8.8	8.8	8.7	8.8	8.5	8.4	8.4	8.6	8.4	8.5
13	8.8	8.8	8.8	8.8	8.7	8.8	8.6	8.4	8.5	8.6	8.4	8.5
14	8.8	8.8	8.8	8.8	8.8	8.8	8.5	8.4	8.4	8.7	8.5	8.6
15	8.8	8.8	8.8	8.8	8.7	8.8	8.5	8.3	8.4	8.7	8.6	8.6
16	8.8	8.8	8.8	8.9	8.7	8.8	8.5	8.4	8.4	8.6	8.5	8.5
17	8.8	8.8	8.8	8.8	8.8	8.8	8.4	8.4	8.4	8.6	8.5	8.6
18	8.8	8.8	8.8	8.8	8.7	8.8	8.4	8.4	8.4	8.7	8.5	8.6
19	8.8	8.8	8.8	8.8	8.7	8.8	8.4	8.4	8.4	8.6	8.5	8.6
20	8.8	8.8	8.8	8.7	8.7	8.7	8.5	8.4	8.4	8.6	8.4	8.5
21	8.8	8.7	8.8	8.7	8.7	8.7	8.5	8.4	8.5	8.4	8.4	8.4
22	8.8	8.8	8.8	8.7	8.7	8.7	8.6	8.4	8.5	8.5	8.3	8.4
23	8.8	8.7	8.7	8.7	8.6	8.7	8.7	8.4	8.5	8.6	8.4	8.5
24	8.8	8.7	8.7	8.7	8.6	8.6	8.6	8.4	8.5	8.5	8.3	8.4
25	8.8	8.7	8.8	8.7	8.6	8.6	8.4	8.4	8.4	8.6	8.4	8.5
26	8.8	8.7	8.7	8.6	8.6	8.6	8.5	8.4	8.5	8.7	8.5	8.6
27	8.8	8.7	8.7	8.7	8.6	8.6	8.5	8.4	8.4	8.6	8.4	8.5
28	8.7	8.7	8.7	8.6	8.5	8.6	8.5	8.4	8.4	8.6	8.4	8.5
29	---	---	---	8.6	8.6	8.6	8.4	8.4	8.4	8.6	8.3	8.5
30	---	---	---	8.6	8.5	8.6	8.5	8.4	8.4	8.5	8.2	8.2
31	---	---	---	8.6	8.5	8.5	---	---	---	8.3	8.2	8.3
MAX	8.9	8.9	8.9	8.9	8.8	8.8	8.7	8.5	8.5	8.7	8.6	8.6
MIN	8.7	8.7	8.7	8.6	8.5	8.5	8.4	8.3	8.4	8.3	8.2	8.2

07144790 CHENEY RESERVOIR NEAR CHENEY, 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	8.5	8.0	8.2	8.3	8.1	8.2	8.8	8.3	8.4
2	8.3	8.2	8.2	8.3	8.2	8.3	8.4	8.2	8.3	8.6	8.2	8.4
3	8.3	8.2	8.2	8.5	8.2	8.4	8.4	8.2	8.3	8.6	8.3	8.4
4	8.3	8.2	8.2	8.6	8.3	8.4	8.5	8.2	8.3	8.5	8.2	8.4
5	8.4	8.2	8.3	8.6	8.5	8.5	8.3	8.2	8.2	8.4	8.2	8.3
6	8.4	8.1	8.2	8.5	8.3	8.4	8.5	8.3	8.4	8.4	8.2	8.3
7	8.2	8.1	8.2	8.4	8.3	8.3	8.5	8.0	8.2	8.4	8.1	8.2
8	8.5	8.1	8.2	8.4	8.3	8.4	8.4	8.1	8.3	8.5	8.2	8.4
9	8.3	8.1	8.2	8.6	8.4	8.4	8.5	8.2	8.3	8.5	8.3	8.4
10	8.3	8.1	8.2	8.6	8.3	8.5	8.7	8.1	8.6	8.4	8.3	8.4
11	8.3	8.1	8.2	8.8	8.3	8.6	8.8	8.3	8.7	8.5	8.3	8.4
12	8.3	8.1	8.2	9.1	8.5	8.9	8.9	8.6	8.7	8.5	8.4	8.4
13	8.2	8.1	8.2	9.0	8.7	8.8	9.0	8.6	8.8	8.7	8.4	8.5
14	8.5	8.2	8.4	8.8	8.6	8.7	8.8	8.6	8.8	8.6	8.4	8.5
15	8.5	8.1	8.3	9.0	8.6	---	8.7	8.3	8.6	8.6	8.4	8.4
16	8.5	8.2	8.2	9.1	8.8	9.0	8.5	8.2	8.4	8.7	8.4	8.5
17	8.3	8.1	8.2	8.9	8.6	8.7	8.4	8.3	8.3	8.5	8.3	8.4
18	8.4	8.1	8.2	8.6	8.2	8.4	8.5	8.2	8.4	8.5	8.3	8.4
19	8.3	8.1	8.2	8.5	8.2	8.5	8.6	8.3	8.5	8.7	8.4	8.5
20	8.6	8.2	8.3	8.7	8.4	8.5	8.6	8.2	8.3	8.8	8.3	8.5
21	8.7	8.3	8.4	8.7	8.4	8.5	8.5	8.1	8.3	8.7	8.3	8.5
22	8.6	8.2	8.3	8.7	8.3	8.5	8.3	8.1	8.2	8.9	8.3	8.5
23	8.4	8.2	8.3	8.6	8.2	8.4	8.6	8.1	8.2	8.7	8.4	8.6
24	8.5	8.3	8.4	8.5	8.2	8.4	8.1	8.0	8.1	8.6	8.0	8.4
25	8.4	8.2	8.3	8.4	8.2	8.3	8.3	8.0	8.1	8.9	8.0	8.5
26	8.5	8.2	8.4	8.4	8.2	8.3	8.8	8.2	8.4	8.8	8.5	8.8
27	8.4	8.3	8.3	8.6	8.2	8.3	8.7	8.3	8.6	8.7	8.4	8.5
28	8.4	8.3	8.3	8.5	8.2	8.3	8.6	8.0	8.5	8.7	8.3	8.6
29	8.4	8.2	8.3	8.2	8.0	8.2	8.4	7.9	8.1	8.8	8.5	8.6
30	8.5	8.2	8.3	8.2	8.0	8.2	9.0	8.0	8.5	8.6	8.6	8.6
31	---	---	---	8.3	8.1	8.2	8.6	8.1	8.2	---	---	---
MAX	8.7	8.3	8.4	9.1	8.8	9.0	9.0	8.6	8.8	8.9	8.6	8.8
MIN	8.2	8.1	8.2	8.2	8.0	8.2	8.1	7.9	8.1	8.4	8.0	8.2

YEAR			
	MAX	MAXIMUM 9.1	MINIMUM 8.0
	MIN	MAXIMUM 8.9	MINIMUM 7.9
	MEDIAN	MAXIMUM 9.0	MINIMUM 8.0

07144790 CHENEY RESERVOIR NEAR CHENEY, 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	21.3	20.6	21.0	16.5	15.8	16.2	7.5	6.3	6.8	4.0	3.3	3.6
2	21.1	19.9	20.3	15.8	14.8	15.2	6.5	5.7	6.2	4.8	3.9	4.2
3	20.0	19.6	19.8	14.8	14.0	14.3	6.5	6.0	6.2	4.0	3.6	3.8
4	19.8	19.3	19.6	14.0	13.4	13.6	6.2	5.9	6.0	3.6	3.0	3.4
5	19.4	19.1	19.2	13.6	13.3	13.4	6.2	5.9	6.0	3.0	0.6	1.9
6	19.1	18.7	18.9	15.0	13.2	13.8	6.4	6.1	6.3	1.4	-0.1	0.5
7	18.7	18.7	18.7	14.3	13.3	13.9	6.5	5.7	6.1	1.5	0.6	1.1
8	19.4	18.6	18.7	13.4	13.2	13.3	6.2	6.0	6.1	1.6	0.4	1.3
9	19.5	18.3	18.7	13.3	13.1	13.2	6.4	6.0	6.2	1.5	1.2	1.3
10	18.6	18.2	18.4	13.2	12.8	13.0	6.4	5.8	6.0	1.3	1.1	1.2
11	18.2	17.6	17.9	12.8	11.8	12.1	5.9	5.7	5.8	1.1	0.6	0.9
12	17.6	17.4	17.5	11.8	11.2	11.5	6.1	5.8	5.9	1.0	0.7	0.9
13	17.4	16.6	17.1	11.2	10.8	11.0	5.8	5.3	5.5	0.9	0.4	0.6
14	16.7	15.9	16.3	11.1	10.8	10.9	5.4	5.0	5.2	0.5	-0.1	0.1
15	16.2	15.6	15.8	10.9	10.8	10.9	5.0	4.9	5.0	0.1	0.0	0.0
16	16.1	15.4	15.7	11.1	10.8	10.9	5.0	4.7	4.9	0.3	0.1	0.2
17	15.8	15.4	15.6	11.2	10.9	11.1	5.1	4.6	4.9	0.4	0.2	0.3
18	16.4	15.4	15.7	11.5	10.9	11.1	5.1	4.6	4.8	0.5	0.4	0.4
19	15.8	15.3	15.5	11.7	11.3	11.6	4.8	4.4	4.5	0.6	0.5	0.6
20	15.4	15.2	15.3	11.3	10.9	11.1	4.6	4.2	4.4	0.8	0.6	0.7
21	15.6	15.3	15.4	10.9	10.7	10.8	4.5	4.0	4.2	1.0	0.8	0.9
22	15.9	15.6	15.8	10.7	10.5	10.6	4.0	1.8	3.3	1.2	0.9	1.0
23	17.1	15.7	16.1	10.6	10.0	10.5	2.5	1.0	1.8	1.3	1.1	1.2
24	16.1	15.8	15.9	10.0	9.0	9.4	2.7	1.0	1.9	1.4	1.1	1.3
25	16.0	15.6	15.7	9.4	9.1	9.2	1.6	1.4	1.5	1.6	1.4	1.5
26	15.9	15.6	15.8	9.2	9.0	9.1	2.0	1.1	1.7	1.8	1.5	1.7
27	15.9	15.7	15.8	9.0	8.4	8.6	2.2	1.7	2.0	1.9	1.7	1.8
28	16.5	15.8	16.2	8.7	8.4	8.5	2.4	2.1	2.2	2.0	1.8	1.9
29	17.4	16.5	16.8	8.4	7.4	8.0	2.5	2.0	2.3	2.0	1.5	1.8
30	17.1	16.4	16.8	7.4	6.8	7.0	3.1	2.5	2.8	1.9	1.7	1.8
31	16.7	16.3	16.4	---	---	---	3.3	3.0	3.1	1.9	1.6	1.8
MONTH	21.3	15.2	17.2	16.5	6.8	11.5	7.5	1.0	4.5	4.8	-0.1	1.4

07144790 CHENEY RESERVOIR NEAR CHENEY, 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	1.9	1.8	1.9	6.9	6.0	6.2	10.8	9.5	10.0	14.5	13.7	14.1
2	2.3	1.7	2.0	7.0	5.8	6.3	10.3	9.8	10.0	15.2	13.6	14.3
3	2.5	2.2	2.3	9.0	6.3	7.3	10.4	10.0	10.2	16.9	14.4	15.0
4	2.7	2.3	2.5	10.2	7.2	8.0	11.2	10.2	10.6	14.7	14.2	14.5
5	2.8	2.5	2.7	10.8	7.2	8.7	12.1	11.1	11.6	14.5	14.2	14.3
6	3.1	2.7	2.9	8.6	7.1	7.8	12.8	11.8	12.3	14.9	14.2	14.5
7	3.2	2.8	2.9	9.8	7.9	8.8	13.6	12.1	12.7	15.2	14.7	14.9
8	2.8	2.2	2.6	8.7	8.3	8.4	13.1	12.7	12.9	16.1	15.2	15.6
9	2.2	0.9	1.8	9.0	8.2	8.5	13.2	12.5	12.8	18.4	15.8	16.3
10	2.6	2.0	2.3	9.1	8.0	8.4	13.7	13.1	13.3	17.6	15.9	16.6
11	2.6	2.4	2.5	8.7	8.0	8.4	13.9	13.4	13.6	17.7	16.8	17.2
12	3.0	2.6	2.8	11.8	8.3	9.3	14.2	13.3	13.7	18.8	17.6	18.1
13	4.5	3.0	3.6	9.9	8.3	8.8	13.8	13.4	13.6	18.8	17.9	18.2
14	4.2	3.7	4.0	9.7	8.4	9.0	14.0	13.3	13.4	21.5	17.8	19.3
15	6.5	4.0	4.9	9.2	8.6	8.9	14.0	13.2	13.6	19.7	18.9	19.4
16	5.3	4.6	4.9	10.7	8.5	9.0	14.5	13.7	14.1	18.9	18.4	18.7
17	5.6	4.6	5.1	8.9	8.6	8.7	14.8	14.3	14.6	19.0	18.5	18.7
18	5.3	4.8	5.0	10.1	8.5	9.1	15.0	14.5	14.7	22.1	18.7	19.7
19	5.1	4.8	4.9	10.3	8.5	9.1	15.7	15.0	15.3	22.6	19.0	20.0
20	6.5	5.0	5.5	8.9	8.4	8.6	16.6	15.5	16.0	21.0	19.0	19.9
21	6.9	5.5	5.9	9.2	8.9	9.0	19.2	16.4	17.7	19.8	19.0	19.4
22	6.5	5.9	6.1	9.1	8.7	9.0	18.2	16.5	17.1	21.4	19.8	20.2
23	5.9	5.6	5.8	8.8	8.6	8.7	17.6	15.9	16.6	22.1	20.5	21.3
24	6.4	5.4	5.8	8.9	8.5	8.7	18.6	15.8	16.9	21.7	20.5	21.2
25	7.5	5.9	6.5	8.6	8.3	8.4	16.2	15.7	16.0	25.7	21.3	22.8
26	6.6	6.2	6.4	8.4	8.1	8.2	15.9	15.3	15.6	24.0	22.9	23.3
27	6.6	6.2	6.3	10.7	8.0	8.9	17.1	15.2	15.6	23.9	21.8	23.1
28	7.3	6.2	6.5	9.1	8.0	8.7	15.7	15.0	15.3	23.2	21.8	22.5
29	---	---	---	9.2	8.8	9.0	15.0	13.9	14.4	24.6	21.8	23.0
30	---	---	---	10.8	9.2	9.9	15.1	13.3	14.1	22.9	21.0	21.7
31	---	---	---	10.0	9.6	9.8	---	---	---	22.0	21.6	21.7
MONTH	7.5	0.9	4.2	11.8	5.8	8.6	19.2	9.5	13.9	25.7	13.6	18.7

07144790 CHENEY RESERVOIR NEAR CHENEY, 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	21.4	21.7	26.3	25.4	25.7	26.5	25.6	25.9	26.5	25.6	25.8
2	21.8	21.4	21.5	25.9	25.2	25.4	26.7	25.9	26.3	25.8	25.4	25.5
3	22.1	21.5	21.9	26.0	25.3	25.6	26.7	26.1	26.4	26.2	25.4	25.7
4	22.4	21.7	22.0	27.7	25.1	25.8	28.2	26.3	26.8	26.0	25.6	25.7
5	24.4	21.9	22.9	26.0	25.4	25.6	26.6	25.9	26.1	25.6	25.3	25.5
6	24.1	21.9	22.5	25.4	25.0	25.2	27.0	26.0	26.3	25.5	25.2	25.3
7	23.1	22.4	22.8	25.5	24.9	25.1	27.0	25.9	26.3	25.3	25.1	25.2
8	27.2	22.7	24.2	25.5	25.2	25.3	27.2	26.1	26.6	25.6	24.9	25.2
9	25.1	22.9	23.6	25.9	25.3	25.6	27.1	25.9	26.7	25.3	25.0	25.1
10	24.5	23.5	23.8	25.9	25.2	25.6	27.7	26.2	27.1	25.0	24.7	24.8
11	24.9	23.4	24.1	28.8	25.2	26.1	27.7	26.5	27.3	24.7	24.4	24.5
12	24.5	23.5	23.9	29.2	25.8	27.3	28.0	26.8	27.2	24.4	24.3	24.3
13	24.5	23.3	23.8	27.7	26.5	26.9	27.5	26.6	27.0	26.2	24.2	24.9
14	24.2	23.2	23.7	26.8	26.3	26.4	26.6	25.6	26.0	25.2	23.8	24.4
15	23.9	23.5	23.6	27.7	26.1	---	25.6	25.1	25.3	23.8	23.3	23.4
16	24.3	23.2	23.5	27.6	26.8	27.3	25.2	24.9	25.0	23.3	23.0	23.1
17	23.7	23.0	23.3	27.2	26.5	26.8	25.3	24.8	25.0	23.0	22.7	22.8
18	23.6	23.0	23.2	26.7	25.9	26.2	26.0	25.0	25.4	23.2	22.8	23.0
19	24.0	23.4	23.7	26.8	25.9	26.4	26.4	25.6	25.9	24.3	23.0	23.5
20	24.4	23.9	24.1	27.2	26.5	26.8	26.3	25.4	25.6	25.7	23.2	23.7
21	25.9	23.8	24.4	27.9	26.7	27.2	25.8	25.3	25.5	23.9	23.1	23.4
22	26.0	24.0	24.7	29.0	27.1	28.0	25.5	25.3	25.4	27.4	23.5	24.1
23	24.9	23.9	24.4	28.9	27.1	28.0	25.6	25.1	25.2	24.4	23.2	23.8
24	25.2	24.5	24.9	27.9	27.1	27.6	25.2	24.9	25.0	23.7	23.2	23.4
25	25.7	24.6	25.1	27.6	27.2	27.4	25.4	24.9	25.1	26.0	23.2	24.0
26	25.8	25.0	25.5	27.3	26.4	26.9	29.3	25.4	26.4	25.5	23.5	24.1
27	25.6	25.2	25.4	26.6	25.7	26.1	28.0	25.6	26.8	23.7	23.2	23.5
28	25.7	25.3	25.5	27.7	25.7	26.0	26.6	25.2	25.9	23.5	22.5	23.1
29	25.8	25.2	25.5	25.7	25.3	25.5	28.5	24.9	26.2	22.5	22.0	22.2
30	26.4	25.5	25.8	25.7	25.1	25.4	27.5	25.6	26.5	22.0	21.5	21.7
31	---	---	---	26.1	25.2	25.6	28.0	25.2	26.0	---	---	---
MONTH	27.2	21.4	23.8	29.2	24.9	26.3	29.3	24.8	26.1	27.4	21.5	24.2
YEAR	29.3	-0.1	15.0									

07144790 CHENEY RESERVOIR NEAR CHENEY, 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	7.8	5.8	6.8	9.4	8.2	8.8	12.9	12.1	12.5	13.1	12.7	12.9
2	8.2	6.1	7.1	9.4	9.1	9.2	13.1	12.6	12.8	12.8	12.4	12.7
3	7.5	6.0	6.6	9.5	9.2	9.3	13.2	12.7	12.9	12.7	12.5	12.6
4	8.4	7.2	7.8	10.0	9.4	9.6	13.4	12.2	13.0	12.6	12.4	12.5
5	7.8	6.2	7.0	10.0	9.4	9.7	13.1	11.8	12.8	13.3	12.4	12.8
6	6.9	6.5	6.6	10.6	9.6	10.1	13.7	12.2	12.9	13.5	12.8	13.2
7	7.1	6.1	6.7	11.0	9.4	10.5	13.7	12.2	13.1	13.5	12.6	13.1
8	8.7	6.0	7.0	10.1	9.3	9.7	13.4	12.6	13.0	13.5	12.6	12.9
9	9.0	7.3	7.9	10.2	9.5	9.8	13.2	12.3	12.9	13.1	12.7	12.9
10	7.7	6.8	7.3	10.3	9.9	10.1	13.9	12.6	13.3	13.4	13.1	13.3
11	7.8	6.9	7.4	11.0	10.2	10.7	13.9	12.8	13.2	13.6	13.1	13.3
12	8.6	7.6	8.1	11.2	10.7	11.0	---	---	---	13.6	13.1	13.3
13	8.7	8.2	8.5	11.3	10.9	11.0	---	---	---	13.9	13.3	13.6
14	9.2	8.3	8.8	12.0	10.6	10.9	---	---	---	13.9	13.6	13.8
15	9.5	8.7	9.0	10.8	10.4	10.6	---	---	---	14.0	13.6	13.8
16	9.6	8.8	9.2	10.7	10.4	10.5	12.7	11.7	12.0	14.0	13.6	13.8
17	9.5	8.9	9.2	10.9	9.9	10.3	12.2	11.9	12.0	14.0	13.6	13.8
18	9.7	8.5	8.9	11.3	9.9	10.5	12.7	12.0	12.3	14.2	13.8	14.0
19	9.3	8.1	8.6	11.1	10.4	10.9	12.5	12.1	12.3	14.2	13.9	14.1
20	8.4	8.2	8.3	11.0	10.3	10.5	12.4	12.0	12.2	14.7	14.1	14.3
21	8.6	8.2	8.4	11.0	10.3	10.5	12.7	12.1	12.4	14.9	14.3	14.6
22	8.7	8.4	8.6	10.7	10.2	10.5	13.2	12.3	12.6	14.9	14.0	14.6
23	9.9	8.6	9.1	10.9	10.3	10.6	13.3	12.8	13.0	15.2	14.6	14.9
24	9.1	8.5	8.9	11.5	10.8	11.1	13.2	12.4	12.9	15.3	14.8	15.1
25	10.0	8.5	9.0	11.4	10.8	11.1	13.3	12.9	13.1	15.5	15.1	15.3
26	9.1	8.4	8.7	11.4	11.1	11.3	13.3	12.7	13.0	15.6	15.2	15.4
27	8.9	8.0	8.3	12.0	11.2	11.7	13.0	12.7	12.8	15.8	15.4	15.6
28	8.8	8.3	8.6	11.7	11.3	11.5	13.2	12.8	13.0	15.7	15.6	15.6
29	9.1	8.6	8.8	12.0	11.5	11.8	13.3	12.9	13.1	16.1	15.6	15.8
30	10.2	9.0	9.4	12.6	11.4	12.2	13.2	12.9	13.0	15.9	14.8	15.6
31	9.3	8.6	8.8	---	---	---	13.3	12.9	13.1	16.3	15.0	15.9
MONTH	10.2	5.8	8.2	12.6	8.2	10.5	13.9	11.7	12.8	16.3	12.4	14.0

07144790 CHENEY RESERVOIR NEAR CHENEY, 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	16.3	15.9	16.1	13.0	12.3	12.6	11.0	10.3	10.6	10.0	9.2	9.4
2	16.8	16.1	16.4	12.9	12.2	12.5	10.6	10.1	10.4	10.7	9.0	9.8
3	16.5	16.1	16.2	13.2	12.2	12.7	10.8	9.9	10.3	11.0	9.8	10.2
4	16.5	16.1	16.3	13.7	12.7	13.0	10.5	10.1	10.3	10.3	9.7	10.0
5	16.2	15.6	16.0	13.3	12.3	12.8	10.7	10.1	10.4	9.9	9.8	9.8
6	15.6	14.9	15.3	13.1	12.0	12.4	10.4	10.0	10.2	10.0	9.6	9.8
7	14.9	14.2	14.5	12.3	11.8	12.0	11.0	10.1	10.4	10.0	9.7	9.9
8	14.3	13.8	14.0	12.1	11.8	11.9	10.3	9.8	10.0	10.3	9.7	10
9	14.2	13.8	14.0	12.6	11.6	12.0	9.9	9.5	9.7	10.8	9.5	10.0
10	14.2	13.9	14.1	12.4	11.7	12.1	9.9	9.6	9.7	10.8	9.6	10
11	14.1	13.9	14.0	12.7	11.9	12.3	10.3	9.5	9.8	10.1	9.6	9.9
12	14.2	14.0	14.1	13.2	11.9	12.5	10.7	9.8	10.2	10.2	9.5	9.8
13	14.2	13.8	14.0	12.5	11.7	12.1	11.3	9.9	10.5	10.1	9.1	9.5
14	14.2	13.9	14.0	12.2	11.8	12.0	11.1	9.6	10.2	11.4	9.5	10.4
15	13.9	13.1	13.7	12.0	10.7	11.3	10.7	9.6	10.1	12.1	10.0	10.7
16	13.9	13.3	13.6	12.5	10.7	11.4	10.6	9.9	10.3	10.3	9.1	9.8
17	13.6	13.2	13.4	11.5	11.2	11.4	10.5	10.0	10.3	10.1	9.5	9.9
18	13.7	13.2	13.5	11.7	10.8	11.2	10.1	9.6	9.8	10.9	9.2	9.8
19	13.4	13.1	13.3	11.9	10.7	11.2	9.8	9.6	9.7	10.6	8.6	9.6
20	13.5	12.9	13.1	11.1	10.6	10.9	10.2	9.4	9.7	10.3	7.9	9.1
21	13.4	12.7	13.0	11.0	10.7	10.9	10.1	9.2	9.7	8.3	7.6	8.0
22	13.3	12.8	13.0	11.0	10.6	10.8	10.0	9.4	9.7	8.9	7.4	8.0
23	12.9	12.7	12.8	11.1	10.3	10.7	11.3	9.3	9.9	9.7	7.7	8.6
24	13.2	12.5	12.8	11.2	10.1	10.6	10.6	9.0	9.7	8.7	7.4	8.1
25	13.1	12.7	12.9	11.3	10.6	10.9	9.3	9.1	9.2	10.3	7.8	8.9
26	12.8	12.4	12.6	11.1	10.5	10.8	10.0	9.1	9.5	10.8	9.0	9.7
27	13.1	12.3	12.6	11.4	10.6	11.0	9.4	8.8	9.1	9.9	7.6	8.9
28	12.9	12.4	12.7	11.2	10.0	10.8	9.9	8.6	9.2	9.8	7.6	8.6
29	---	---	---	10.7	10.4	10.6	9.4	9.0	9.2	10.2	7.0	8.9
30	---	---	---	10.8	10.3	10.6	9.9	9.2	9.5	8.8	6.0	6.9
31	---	---	---	10.6	10.2	10.4	---	---	---	7.5	6.5	7.1
MONTH	16.8	12.3	14.0	13.7	10.0	11.6	11.3	8.6	9.9	12.1	6.0	9.3

07144790 CHENEY RESERVOIR NEAR CHENEY, 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	7.7	6.1	7.0	8.0	6.1	6.8	7.3	5.8	6.5	8.8	5.6	6.5
2	6.5	5.6	6.1	7.0	6.4	6.6	7.7	6.5	7.0	6.7	4.5	5.5
3	6.8	6.1	6.6	8.0	6.1	7.0	7.5	6.5	6.9	7.8	5.0	6.3
4	7.5	6.6	7.0	9.4	7.1	7.9	8.3	6.4	7.3	7.1	5.0	6.1
5	9.0	7.2	8.0	8.8	7.0	7.9	7.2	6.2	6.6	6.4	4.8	5.4
6	8.4	6.4	7.2	7.0	5.9	6.7	8.6	5.9	7.2	6.3	4.4	5.4
7	7.4	6.6	7.1	6.9	5.3	6.0	8.2	5.0	6.5	6.9	4.6	5.6
8	9.2	6.8	7.6	7.3	6.2	6.7	8.5	5.9	7.4	7.8	5.4	6.7
9	7.9	6.5	7.3	8.0	6.8	7.3	8.1	4.6	6.8	7.3	6.6	7.0
10	8.0	7.1	7.4	8.1	5.2	7.3	8.8	4.3	7.2	7.0	6.2	6.6
11	8.3	7.0	7.6	10.5	5.2	8.5	8.6	4.4	7.4	7.5	5.7	6.6
12	7.9	6.7	7.4	12.5	7.5	10.3	9.3	6.6	7.8	7.5	6.1	6.8
13	7.7	6.6	7.2	10.9	8.8	9.6	9.4	6.8	8.0	8.6	6.5	7.4
14	9.7	7.4	8.5	---	---	---	7.7	6.1	6.8	7.7	6.3	6.9
15	9.5	7.2	8.4	---	---	---	---	---	---	7.7	6.3	6.9
16	9.6	7.0	7.9	---	---	---	---	---	---	8.3	6.2	6.9
17	7.8	5.6	6.6	---	---	---	---	---	---	6.6	5.8	6.2
18	7.0	5.0	5.9	---	---	---	7.1	5.1	6.0	6.9	5.9	6.4
19	6.6	4.9	6.0	---	---	---	7.6	5.8	6.7	8.8	6.0	7.2
20	9.0	6.5	7.3	---	---	---	7.4	4.8	6.1	9.7	5.7	7.0
21	10.1	6.6	7.8	---	---	---	7.4	5.6	6.4	8.4	5.0	6.7
22	8.4	6.1	7.2	---	---	---	6.8	5.9	6.4	10.9	5.0	7.0
23	6.9	5.9	6.5	9.4	4.7	7.3	9.0	5.3	6.1	8.4	6.1	7.3
24	7.2	6.1	6.7	7.4	4.7	6.8	5.3	4.4	4.8	8.0	4.1	6.3
25	7.4	5.8	6.5	6.8	6.1	6.5	6.6	4.6	5.5	10.6	4.1	7.4
26	7.6	6.0	7.1	6.9	5.9	6.5	10.4	6.3	7.9	9.3	6.8	8.4
27	7.0	6.6	6.8	9.0	6.1	7.0	9.7	6.9	8.6	8.4	5.6	7.0
28	7.0	6.4	6.7	8.5	6.0	6.7	8.6	4.2	6.9	9.0	5.8	7.6
29	7.2	6.1	6.8	6.2	4.2	5.5	7.2	3.8	5.2	8.5	6.6	7.6
30	8.2	6.4	7.1	5.9	4.2	5.2	11.5	4.9	7.4	7.2	6.7	7.0
31	---	---	---	6.9	5.1	6.0	7.3	4.1	5.3	---	---	---
MONTH	10.1	4.9	7.1	12.5	4.2	7.1	11.5	3.8	6.7	10.9	4.1	6.7
YEAR	16.8	3.8	9.9									

07144790 CHENEY RESERVOIR NEAR CHENEY, 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	28	11	15	31	14	20	14	11	12	4.8	2.9	4.0
2	13	7.5	10	25	20	23	17	9.4	13	12	4.1	6.2
3	15	6.3	9.9	23	19	21	12	8.4	10	8.4	5.2	6.4
4	21	8.3	12	---	---	---	11	8.3	9.6	9.2	5.1	5.9
5	13	6.0	9.2	---	---	---	11	7.1	9.2	30	7.8	17
6	13	8.1	10	---	---	---	13	6.5	8.8	30	6.4	16
7	22	8.2	11	---	---	---	15	8.7	11	8.5	5.0	6.4
8	15	9.3	12	---	---	---	11	7.3	9.2	7.0	2.9	4.1
9	14	8.3	11	---	---	---	14	6.7	9.6	4.3	2.6	3.4
10	---	---	---	26	16	19	31	11	18	4.5	3.4	3.8
11	---	---	---	30	19	22	12	7.5	9.5	4.8	2.8	3.5
12	---	---	---	19	14	17	14	7.5	11	9.4	2.6	4.2
13	---	---	---	18	14	16	19	11	14	16	3.6	6.2
14	---	---	---	---	---	---	12	7.6	9.6	4.5	3.2	3.7
15	24	19	20	---	---	---	10	6.5	8.2	4.6	2.7	3.2
16	21	14	18	20	11	14	12	5.1	7.8	6.1	2.5	3.1
17	19	10	17	16	11	13	7.6	4.7	6.2	4.9	2.3	2.8
18	22	14	17	15	8.7	12	14	6.5	8.2	3.3	2.5	2.8
19	27	11	20	19	11	15	7.7	5.9	6.7	3.2	2.5	2.8
20	24	10	18	17	12	14	8.1	5.0	6.4	3.3	2.5	2.8
21	22	15	18	18	11	14	9.6	6.0	6.9	3.6	2.7	3.0
22	25	9.3	18	14	11	12	10	6.4	7.0	3.7	2.6	3.2
23	27	9.3	16	21	10	14	11	6.6	7.4	4.1	2.5	3.0
24	16	6.4	12	22	13	18	8.4	4.5	6.1	3.5	2.2	2.7
25	18	12	15	15	11	13	6.8	3.9	5.2	3.4	2.4	2.8
26	13	7.9	10	18	10	13	6.4	4.0	5.1	3.1	2.5	2.8
27	12	7.4	9.7	32	12	20	5.1	3.6	4.5	4.6	2.5	3.0
28	18	8.5	11	24	11	14	4.6	3.1	3.9	3.8	2.4	2.9
29	23	17	20	17	12	15	4.9	3.0	3.8	4.0	2.3	2.8
30	24	11	18	18	12	16	5.7	3.2	4.2	3.3	2.2	2.6
31	21	13	17	---	---	---	4.7	3.0	3.6	3.0	2.1	2.6
MONTH	28	6.0	14	32	8.7	16	31	3.0	8.2	30	2.1	4.5

07144790 CHENEY RESERVOIR NEAR CHENEY, 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	3.8	2.4	2.7	8.2	6.5	7.1	29	13	20	16	8.8	12
2	3.5	2.6	2.9	9.6	5.7	6.7	18	12	13	13	10	11
3	3.6	2.3	2.8	6.9	5.4	6.0	16	12	14	11	7.8	9.6
4	4.2	2.4	3.0	6.0	5.0	5.6	16	12	14	20	8.7	12
5	3.5	2.8	3.1	9.1	5.4	6.9	18	13	15	15	9.1	12
6	6.3	3.1	3.8	11	6.6	8.1	59	15	31	15	10	12
7	9.4	4.3	6.4	45	9.9	22	35	14	23	15	11	13
8	14	6.1	8.2	22	13	15	19	13	16	14	10	12
9	24	6.5	11	24	13	17	18	14	16	13	7.4	9.3
10	6.8	4.6	5.4	38	12	19	18	14	16	12	6.7	9.3
11	6.8	5.1	5.7	19	14	15	21	10	14	12	9.3	11
12	6.6	4.4	5.3	21	11	15	56	18	29	12	8.6	10
13	17	4.5	7.4	25	11	15	26	14	18	13	6.7	8.6
14	8.2	5.3	6.5	14	9.9	12	14	7.1	10	16	6.7	9.5
15	19	5.5	9.4	15	8.5	10	9.2	4.2	7.1	11	8.0	9.3
16	13	7.2	9.3	14	7.7	9.6	7.6	4.6	6.1	10	7.4	8.8
17	12	8.6	10	14	8.1	11	12	4.6	8.2	16	9.2	13
18	11	6.8	8.5	36	8.6	15	16	8.4	12	15	8.2	12
19	9.0	6.4	7.2	16	7.6	11	15	9.3	12	9.0	5.9	7.2
20	8.4	6.1	6.8	10	7.9	9.0	16	7.9	11	6.8	4.7	5.7
21	13	7.3	8.6	12	7.6	8.7	9.7	6.0	7.5	8.6	3.7	5.4
22	8.1	6.5	7.3	22	8.6	11	51	7.1	26	9.9	3.7	6.7
23	9.9	7.1	7.9	8.7	6.4	7.3	20	13	17	8.9	4.8	6.2
24	10	6.7	7.8	12	6.6	8.2	16	7.9	12	8.3	4.6	5.9
25	8.4	6.6	7.0	12	7.8	8.8	16	7.4	10	27	2.9	7.3
26	8.2	6.0	7.0	10	7.7	8.8	49	10	20	18	5.1	8.2
27	11	6.1	7.2	9.2	6.2	7.6	14	8.7	10	26	5.8	8.4
28	19	7.7	11	11	6.5	7.8	23	9.4	17	7.9	4.7	6.0
29	---	---	---	10	8.0	9.0	20	16	17	15	6.0	9.3
30	---	---	---	59	7.3	20	19	11	15	16	5.9	12
31	---	---	---	17	9.7	14	---	---	---	16	4.1	9.3
MONTH	24	2.3	6.8	59	5.0	11	59	4.2	15	27	2.9	9.4

07144790 CHENEY RESERVOIR NEAR CHENEY, 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	13	7.6	9.3	26	19	22	24	14	18	23	9.8	14
2	16	9.8	13	25	20	22	21	14	18	14	9.0	12
3	24	12	17	94	19	31	20	15	17	13	7.3	10
4	19	15	17	37	23	30	23	14	19	23	8.0	15
5	24	15	19	30	20	24	28	18	22	---	---	---
6	18	13	16	26	20	22	31	17	22	---	---	---
7	21	16	19	27	20	25	---	---	---	---	---	---
8	24	16	20	23	20	21	---	---	---	---	---	---
9	26	16	19	35	19	23	---	---	---	---	---	---
10	20	13	16	28	18	22	19	11	14	---	---	---
11	15	12	13	25	15	20	22	11	14	---	---	---
12	36	12	19	41	12	16	18	8.4	12	---	---	---
13	25	14	18	20	9.1	14	---	---	---	---	---	---
14	41	15	23	20	8.6	11	---	---	---	32	17	21
15	29	12	16	---	---	---	---	---	---	27	17	23
16	49	11	19	25	7.6	10	---	---	---	20	15	17
17	28	11	15	18	9.3	12	---	---	---	26	14	19
18	31	8.8	17	19	12	15	24	9.9	15	24	14	18
19	23	15	20	24	12	14	27	10	15	24	11	18
20	20	12	15	---	---	---	27	7.3	11	22	10	15
21	15	9.3	12	---	---	---	21	7.4	9.5	21	12	16
22	12	9.0	10	---	---	---	19	7.2	11	28	12	19
23	13	8.2	10	20	11	15	26	10	14	31	12	17
24	21	10	12	33	11	14	20	13	16	15	10	13
25	22	12	15	23	11	15	18	13	15	18	7.9	12
26	20	12	14	35	13	22	25	13	17	43	13	25
27	23	15	18	30	16	22	---	---	---	18	12	15
28	22	18	20	26	12	18	---	---	---	30	12	21
29	28	20	23	19	12	15	---	---	---	22	16	19
30	27	19	22	18	14	15	---	---	---	24	15	19
31	---	---	---	20	15	17	16	8.1	10	---	---	---
MONTH	49	7.6	17	94	7.6	19	31	7.2	15	43	7.3	17
YEAR	94	2.1	12									

07144790 CHENEY RESERVOIR NEAR CHENEY, 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	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

07144790 CHENEY RESERVOIR NEAR CHENEY, 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	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	13	7.9	11
18	---	---	---	---	---	---	---	---	---	11	7.7	9.0
19	---	---	---	---	---	---	---	---	---	9.0	5.5	6.6
20	---	---	---	---	---	---	---	---	---	6.3	4.9	5.5
21	---	---	---	---	---	---	---	---	---	5.9	4.7	5.1
22	---	---	---	---	---	---	---	---	---	7.8	5.0	6.0
23	---	---	---	---	---	---	---	---	---	6.8	4.4	5.5
24	---	---	---	---	---	---	---	---	---	7.5	4.1	5.3
25	---	---	---	---	---	---	---	---	---	18	3.4	7.0
26	---	---	---	---	---	---	---	---	---	7.8	4.9	6.3
27	---	---	---	---	---	---	---	---	---	7.7	5.1	6.1
28	---	---	---	---	---	---	---	---	---	7.8	5.0	6.0
29	---	---	---	---	---	---	---	---	---	15	6.2	9.9
30	---	---	---	---	---	---	---	---	---	18	7.8	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	18	3.4	6.9

07144790 CHENEY RESERVOIR NEAR CHENEY, 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	---	---	---	25	17	20	16	12	14	15	10	11
2	---	---	---	26	17	---	15	11	13	14	9.4	11
3	---	---	---	---	---	---	14	12	13	11	8.6	9.1
4	---	---	---	---	---	---	16	10	13	16	9.5	12
5	---	---	---	---	---	---	18	13	15	---	---	---
6	---	---	---	---	---	---	17	11	13	---	---	---
7	---	---	---	---	---	---	12	9.7	11	---	---	---
8	---	---	---	18	16	---	12	9.7	11	14	11	13
9	---	---	---	24	16	19	18	9.4	12	17	13	15
10	---	---	---	19	14	17	13	9.9	12	17	14	16
11	---	---	---	15	12	14	13	8.7	11	20	15	17
12	---	---	---	17	10	13	11	8.3	9.6	20	16	17
13	---	---	---	13	8.8	11	18	7.3	9.6	22	13	16
14	---	---	---	10	8.4	9.1	14	10	12	---	---	---
15	---	---	---	13	7.6	9.3	14	11	13	---	---	---
16	---	---	---	12	5.9	7.5	11	7.9	9.5	---	---	---
17	14	9.0	---	15	7.6	11	16	9.0	11	---	---	---
18	24	8.4	14	15	11	12	13	9.2	11	---	---	---
19	17	14	16	14	9.8	12	17	7.7	11	---	---	---
20	14	10	12	15	10	12	17	7.2	9.1	---	---	---
21	13	7.9	9.7	15	11	12	8.4	7.0	7.6	---	---	---
22	10	8.4	9.2	20	11	---	12	7.3	9.4	---	---	---
23	11	8.3	9.3	16	9.3	12	13	8.8	10	---	---	---
24	21	8.7	12	15	9.2	10	15	9.6	12	---	---	---
25	16	9.9	12	17	9.4	12	13	9.7	11	---	---	---
26	18	10	13	23	11	16	12	9.7	10	---	---	---
27	16	12	14	25	14	17	12	9.6	11	---	---	---
28	19	13	16	17	12	14	24	11	---	---	---	---
29	21	16	17	16	11	13	---	---	---	---	---	---
30	21	16	18	15	11	13	---	---	---	19	14	16
31	---	---	---	15	12	13	14	7.8	9.8	---	---	---
MONTH	24	7.9	13	26	5.9	13	24	7.0	11	22	8.6	14
YEAR	26	3.4	12									

07144795 NORTH FORK NINNESCAH RIVER AT CHENEY DAM, KS

LOCATION.--Lat 37°43'17", long 97°47'39", in NE ¼ SW ¼ SE ¼ sec.6, T.27 S., R.4 W., Sedgwick County, Hydrologic Unit 11030014, on right bank 1,400 ft downstream from Cheney Dam, 6.0 mi north of Cheney, and at mile 15.5.

DRAINAGE AREA.--901 mi^2, of which 237 mi^2 is probably noncontributing.

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder and concrete Parshall flume. Datum of gage is 1,366.02 ft above NGVD of 1929 (Bureau of Reclamation bench mark). Prior to Oct. 1, 1973, at datum 1.00 ft higher.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow completely regulated since 1964 by Cheney Reservoir (station 07144790), 1,400 ft upstream. 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	0.05	0.76	277	0.78	361	656	217	1.4	2.1	1,110	1.2	1.5
2	0.04	0.74	275	0.70	359	521	133	1.9	1.9	1,070	1.2	1.1
3	0.03	0.77	181	0.86	361	344	125	1.5	2.2	1,080	1.2	1.1
4	0.03	0.75	1.2	1.00	363	247	e50	1.5	1.8	420	1.2	1.1
5	0.03	0.79	1.2	0.62	363	1.4	1.8	1.2	1.8	1.8	1.2	1.1
6	0.07	0.78	96	0.59	364	1.4	1.6	1.3	1.8	169	1.2	1.2
7	0.09	0.78	271	0.45	360	1.4	1.6	1.5	1.8	658	1.2	1.2
8	0.06	0.81	267	0.41	360	1.4	1.5	1.5	1.9	1,070	1.2	1.2
9	0.04	0.81	264	0.45	361	1.4	1.2	1.5	2.0	1,070	1.2	1.1
10	0.08	0.96	165	170	363	1.4	1.2	1.5	1.9	1,070	1.2	1.1
11	0.26	0.82	112	263	363	1.4	1.2	1.5	2.0	1,080	1.3	1.1
12	0.07	0.88	110	264	362	1.4	1.2	1.6	2.2	1,080	2.1	1.2
13	0.05	0.89	199	260	360	1.5	185	1.6	1.9	1,070	1.6	1.1
14	0.05	0.90	245	260	358	1.5	265	1.5	313	1,070	1.9	1.1
15	0.06	0.92	244	262	357	1.6	192	1.5	406	1,060	e1.5	1.2
16	0.08	0.98	93	259	359	1.5	149	1.6	268	1,060	e1.4	1.1
17	0.09	0.97	1.3	259	361	1.5	149	1.7	913	1,060	e1.4	1.1
18	0.11	192	1.2	258	362	1.4	150	162	1,190	1,050	1.4	1.1
19	0.11	316	1.3	259	360	1.2	150	281	1,170	1,050	1.4	1.1
20	0.11	315	1.3	258	366	1.2	152	279	1,160	856	1.6	1.1
21	0.11	316	1.2	516	360	1.3	152	277	1,130	557	1.4	1.1
22	0.13	318	1.4	649	357	1.5	151	281	1,140	202	2.0	1.1
23	0.11	315	1.2	658	362	180	153	159	1,130	1.2	e2.0	1.0
24	0.12	307	1.3	658	363	477	155	2.2	1,130	1.2	e1.7	1.1
25	0.13	3.9	1.2	e656	364	584	60	2.2	1,130	1.2	e1.4	1.0
26	0.33	1.5	1.1	654	365	587	1.8	2.4	1,120	1.3	e1.3	1.0
27	60	1.4	0.97	489	367	585	1.9	2.3	1,150	1.3	e1.2	1.1
28	3.6	1.4	0.95	e200	559	585	2.0	2.4	1,140	1.3	e1.2	1.1
29	0.81	153	0.95	2.5	---	585	1.9	2.3	1,140	1.2	e1.2	1.1
30	0.72	292	0.82	2.4	---	583	1.6	2.2	1,120	1.2	1.2	1.1
31	0.77	---	0.76	213	---	438	---	2.2	---	1.2	1.1	---
MEAN	2.20	84.9	90.9	241	369	206	87.0	47.8	559	610	1.40	1.12
MAX	60	318	277	658	559	656	265	281	1,190	1,110	2.1	1.5
MIN	0.03	0.74	0.76	0.41	357	1.2	1.2	1.2	1.8	1.2	1.1	1.0
AC-FT	136	5,050	5,590	14,830	20,470	12,690	5,170	2,940	33,270	37,540	86	67

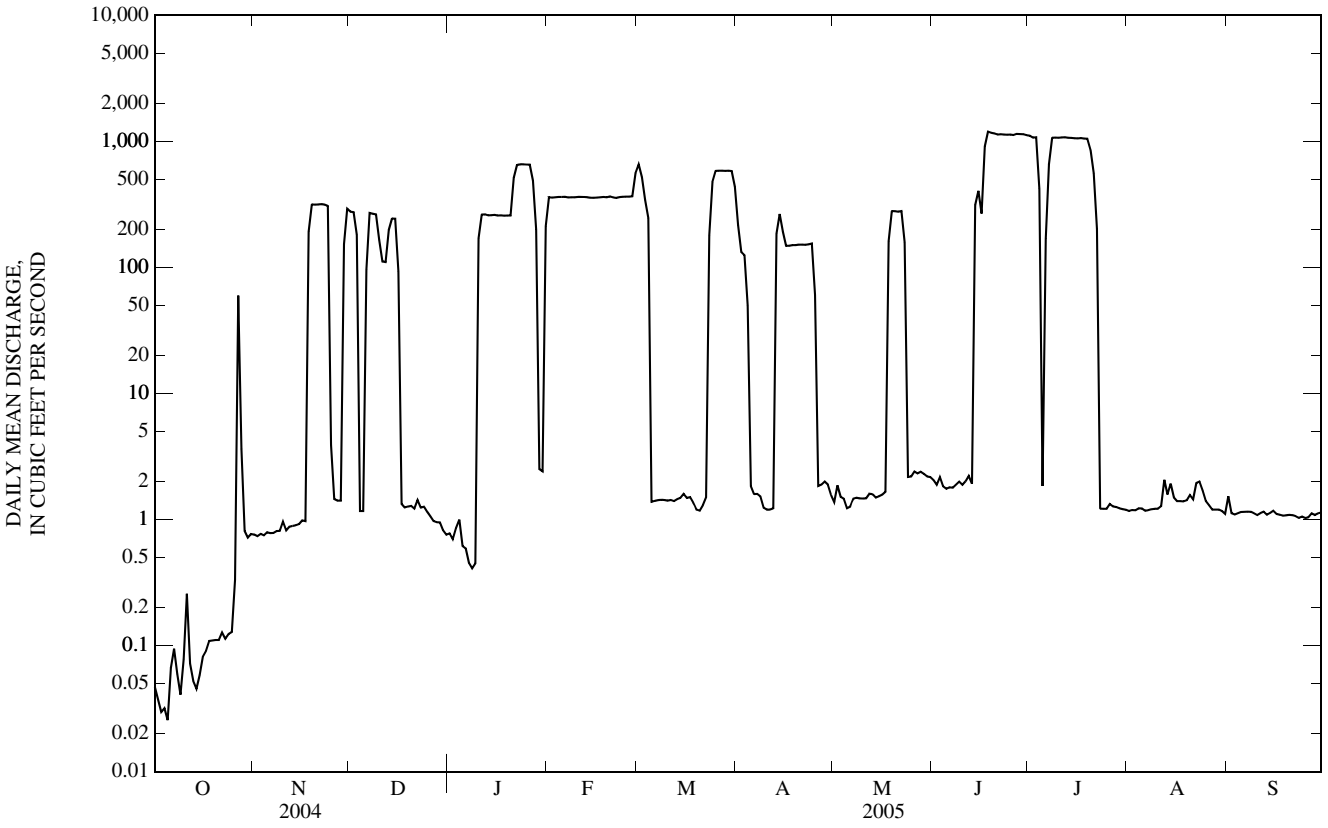
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2005, BY WATER YEAR (WY)

MEAN	102	118	59.1	65.6	102	159	221	194	209	128	24.4	71.0
MAX	1,054	1,782	334	360	569	681	933	1,142	1,504	1,162	377	973
(WY)	(1974)	(1980)	(1993)	(1998)	(1993)	(2001)	(1973)	(1993)	(1995)	(1987)	(1993)	(1977)
MIN	0.13	0.08	0.08	0.02	0.04	0.06	0.11	0.14	0.10	0.12	0.11	0.03
(WY)	(2001)	(2002)	(2002)	(2002)	(2002)	(2002)	(1965)	(1965)	(1966)	(1966)	(1985)	(2000)

07144795 NORTH FORK NINNESCAH RIVER AT CHENEY DAM, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1965 - 2005	
ANNUAL MEAN	122		190		121	
HIGHEST ANNUAL MEAN					406	1993
LOWEST ANNUAL MEAN					0.24	2002
HIGHEST DAILY MEAN	1,170	Mar 10	1,190	Jun 18	1,910	Apr 30, 1969
LOWEST DAILY MEAN	0.00	Jan 31	0.03	Oct 3	0.00	May 18, 1966
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 31	0.05	Oct 1	0.00	Aug 16, 1980
MAXIMUM PEAK FLOW			1,240	Jun 17	2,070	Nov 13, 1979
MAXIMUM PEAK STAGE			5.04	Jun 17	5.51	Jul 13, 1987
INSTANTANEOUS LOW FLOW			0.01	Oct 4	0.00	at times
ANNUAL RUNOFF (AC-FT)	88,710		137,800		87,580	
10 PERCENT EXCEEDS	392		651		386	
50 PERCENT EXCEEDS	0.78		1.7		0.50	
90 PERCENT EXCEEDS	0.05		0.76		0.14	

e Estimated



07144910 SOUTH FORK NINNESCAH RIVER NEAR PRATT, KS

LOCATION.--Lat 37°38'16", long 98°43'14", in NW ¼ NW ¼ SW ¼ sec.2, T.28 S., R.13 W., Pratt County, Hydrologic Unit 11030015, on left bank at downstream side of county highway bridge, 500 ft southwest of sewage disposal facility at Pratt, 3.3 mi downstream from major left bank tributary, and at mile 135.2.

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

PERIOD OF RECORD.--October 1980 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,820.83 ft above NGVD of 1929.

REMARKS.--Records good. Flow regulated at times by State Fish Hatchery diversion, 0.5 mi upstream. 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	6.5	9.1	12	8.7	11	9.0	12	12	11	8.2	5.0	8.0
2	6.4	8.9	12	8.5	11	9.6	12	11	10	8.1	4.6	7.8
3	7.6	9.2	11	12	11	9.2	12	11	12	12	4.2	7.3
4	14	9.8	9.2	20	10	9.4	12	11	11	18	9.2	6.9
5	7.5	12	9.8	12	9.7	9.1	12	10	10	19	10	6.3
6	9.4	14	9.4	11	12	9.3	15	10	9.7	16	9.6	6.1
7	8.1	12	9.1	11	11	9.2	12	10	9.3	13	9.4	6.2
8	7.7	11	9.0	11	11	9.1	12	10	9.1	11	7.1	6.2
9	7.4	11	9.0	12	11	9.1	11	9.8	9.2	9.7	6.1	5.8
10	7.6	12	9.0	11	10	9.4	14	9.7	16	8.8	5.2	5.6
11	19	11	9.0	12	9.6	9.5	11	9.4	12	8.5	4.8	5.7
12	9.9	11	8.9	11	9.9	9.7	11	16	50	8.9	6.9	5.6
13	8.4	11	8.8	11	11	9.7	11	12	52	7.8	7.1	5.4
14	7.8	12	8.7	10	9.6	10	11	12	46	7.8	6.0	5.6
15	7.6	12	8.8	9.8	9.3	10	11	11	38	7.9	6.1	6.0
16	e7.4	12	8.8	9.8	9.5	10	11	10	126	7.6	6.0	5.9
17	e7.2	14	8.9	9.9	9.3	10	11	9.7	155	7.3	6.1	5.8
18	7.1	16	9.0	9.9	9.8	11	11	9.4	66	7.5	5.7	5.8
19	6.8	12	8.9	9.9	11	11	11	9.2	42	7.7	13	5.8
20	7.2	13	9.1	10	10	11	12	8.6	25	7.3	17	5.7
21	7.7	13	8.9	10	9.9	34	11	8.5	17	6.8	7.6	5.6
22	6.5	12	8.8	10	9.7	42	10	8.5	14	6.7	7.2	5.3
23	4.7	16	8.5	9.8	11	26	10	8.6	12	6.6	19	e5.4
24	5.5	13	8.2	9.8	10	19	10	16	12	6.3	36	e5.4
25	11	13	8.5	9.9	9.4	16	11	10	11	6.0	11	e5.4
26	29	12	8.6	9.7	9.3	14	11	10	10	5.9	11	5.5
27	8.0	12	8.7	9.7	9.3	13	11	9.3	10	5.7	8.6	5.7
28	8.3	12	8.8	11	9.2	13	13	9.3	9.3	6.1	27	5.7
29	7.1	13	8.9	10	---	12	11	9.0	8.9	6.1	12	5.8
30	8.0	12	8.9	10	---	12	11	8.9	8.5	5.8	10	5.8
31	8.5	---	8.7	12	---	12	---	18	---	5.3	8.8	---
MEAN	8.87	12.0	9.16	10.7	10.2	13.1	11.5	10.6	27.7	8.69	9.91	5.97
MAX	29	16	12	20	12	42	15	18	155	19	36	8.0
MIN	4.7	8.9	8.2	8.5	9.2	9.0	10	8.5	8.5	5.3	4.2	5.3
AC-FT	545	716	563	659	564	808	682	650	1,650	534	610	355

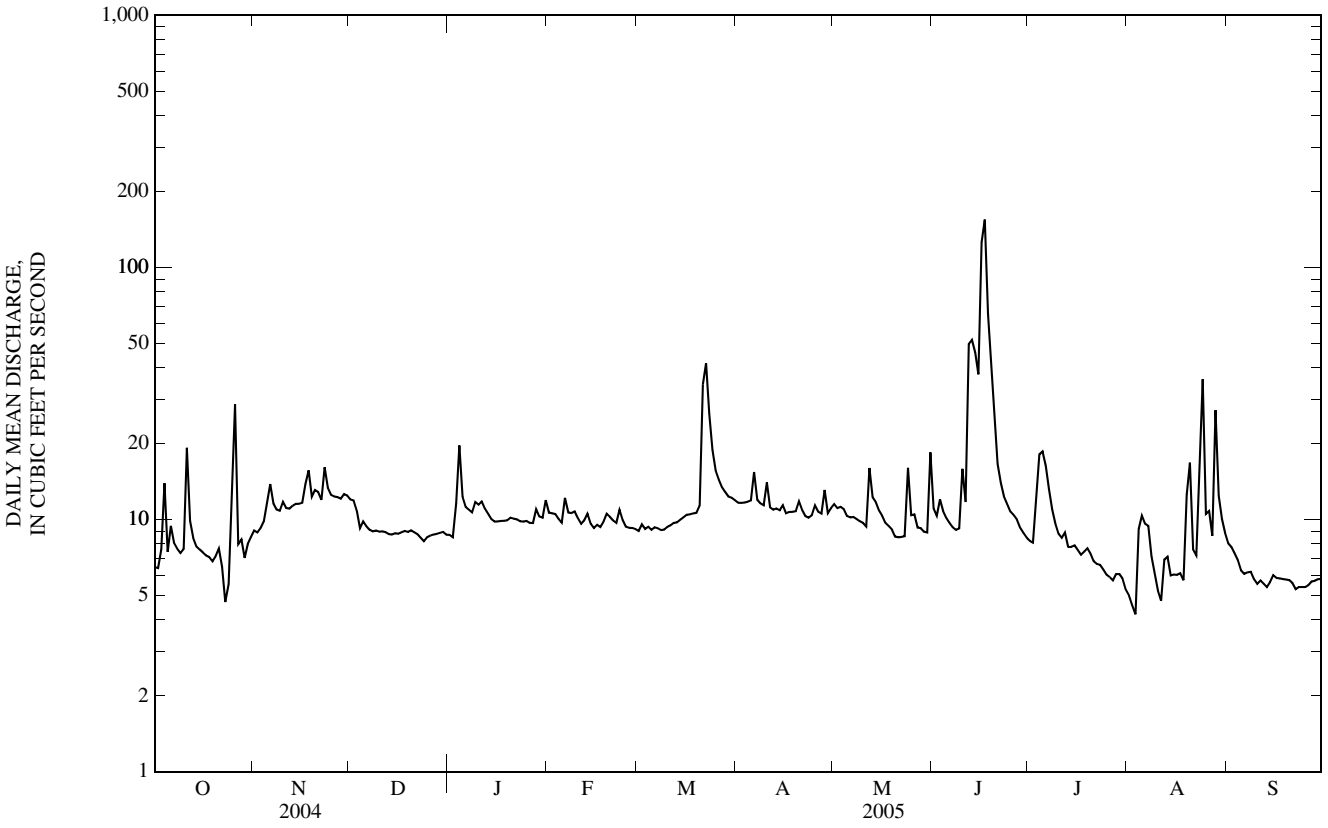
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2005, BY WATER YEAR (WY)

MEAN	14.8	15.0	12.1	11.9	12.7	21.6	24.9	27.6	20.4	21.8	18.7	11.8
MAX	64.0	81.5	28.5	16.8	22.8	110	251	160	46.9	143	169	100
(WY)	(2003)	(1997)	(1985)	(1998)	(2000)	(2000)	(1991)	(1995)	(1995)	(1997)	(1996)	(1996)
MIN	6.02	7.73	8.46	8.90	8.89	9.28	7.61	7.20	6.76	5.72	3.55	4.24
(WY)	(1995)	(1995)	(2002)	(2002)	(1992)	(2002)	(1992)	(1992)	(1994)	(1990)	(1990)	(1984)

07144910 SOUTH FORK NINNESCAH RIVER NEAR PRATT, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1981 - 2005	
ANNUAL MEAN	11.2		11.5		17.8	
HIGHEST ANNUAL MEAN					39.4	1997
LOWEST ANNUAL MEAN					9.36	2002
HIGHEST DAILY MEAN	234	Mar 5	155	Jun 17	6,240	Apr 13, 1991
LOWEST DAILY MEAN	4.7	Oct 23	4.2	Aug 3	0.85	Sep 8, 1990
ANNUAL SEVEN-DAY MINIMUM	5.7	May 26	5.3	Jul 28	1.1	Sep 3, 1990
MAXIMUM PEAK FLOW			364	Jun 16	26,200	Apr 13, 1991
MAXIMUM PEAK STAGE			6.29	Jun 16	14.27	Apr 13, 1991
INSTANTANEOUS LOW FLOW			3.1	Oct 27	0.75	Sep 7, 1990
ANNUAL RUNOFF (AC-FT)	8,160		8,340		12,900	
10 PERCENT EXCEEDS	13		14		19	
50 PERCENT EXCEEDS	9.5		9.8		11	
90 PERCENT EXCEEDS	6.5		6.0		6.0	

e Estimated



07145200 SOUTH FORK NINNESCAH RIVER NEAR MURDOCK, KS

LOCATION.--Lat 37°33'42", long 97°51'10", in SW ¼ SW ¼ SE ¼ sec.34, T.28 S., R.5 W., Kingman County, Hydrologic Unit 11030015, on right bank at upstream side of county highway bridge, 4.0 mi southeast of Murdock, and at mile 68.0.

DRAINAGE AREA.--650 mi^2, of which 107 mi^2 is probably noncontributing.

PERIOD OF RECORD.--August 1950 to September 1959. Annual maximums, water years 1960-64. June 1964 to current year.

REVISED RECORDS.--WSP 1561: 1957(P).

GAGE.--Water-stage recorder. Datum of gage is 1,357.81 ft above NGVD of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Mar. 30, 1951, nonrecording gage, Mar. 30, 1951, to Sept. 30, 1959, water-stage recorder, and Oct. 1, 1959, to June 3, 1964, crest-stage gage, at same site and datum.

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 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)
Jul 4	0600	*3,430	*7.40	Aug 24	1600	2,220	6.60
Aug 23	0900	2,280	6.64				

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	98	137	209	155	284	237	164	161	141	88	28	184
2	99	141	211	162	274	233	156	159	141	83	24	164
3	101	144	202	207	252	227	141	155	151	227	24	150
4	103	150	194	351	223	225	127	153	269	2,060	24	139
5	107	146	200	722	212	216	124	150	233	340	29	134
6	115	139	224	376	253	216	132	148	171	211	34	126
7	134	129	226	306	302	226	145	142	136	177	37	125
8	129	128	220	301	291	208	142	139	121	152	35	124
9	122	133	214	319	274	208	139	134	118	133	32	113
10	122	151	213	392	286	214	137	122	121	107	29	102
11	178	162	204	366	284	208	175	113	288	100	28	100
12	203	153	204	307	282	206	232	114	350	94	30	100
13	191	150	206	276	301	198	189	169	1,290	141	62	99
14	170	146	207	245	271	192	163	174	1,030	103	129	90
15	163	149	194	e230	257	192	150	150	536	98	72	102
16	157	162	197	e200	235	195	137	140	672	89	64	99
17	149	178	194	e200	225	204	129	133	750	81	62	93
18	145	201	194	e250	219	205	131	129	689	100	115	95
19	131	207	189	e280	242	201	128	127	653	84	76	91
20	129	194	185	e300	256	196	142	128	388	69	71	88
21	132	186	184	e280	239	198	171	122	308	62	69	83
22	137	185	182	225	238	657	173	112	260	56	223	79
23	139	198	171	194	267	714	155	114	222	47	1,160	75
24	135	306	e150	197	279	395	144	142	193	40	1,370	70
25	132	269	e150	191	264	288	137	140	168	32	1,180	73
26	162	252	e155	195	251	229	161	141	150	32	518	70
27	177	240	e160	196	247	195	159	133	133	45	359	67
28	219	212	e160	209	246	176	179	127	113	45	265	73
29	197	207	166	229	---	164	183	119	98	41	1,020	74
30	155	210	158	245	---	168	172	116	91	32	392	81
31	138	---	155	267	---	167	---	124	---	31	244	---
MEAN	144	179	190	270	259	244	154	136	333	161	252	102
MAX	219	306	226	722	302	714	232	174	1,290	2,060	1,370	184
MIN	98	128	150	155	212	164	124	112	91	31	24	67
AC-FT	8,860	10,640	11,660	16,610	14,390	14,990	9,160	8,390	19,800	9,920	15,480	6,080

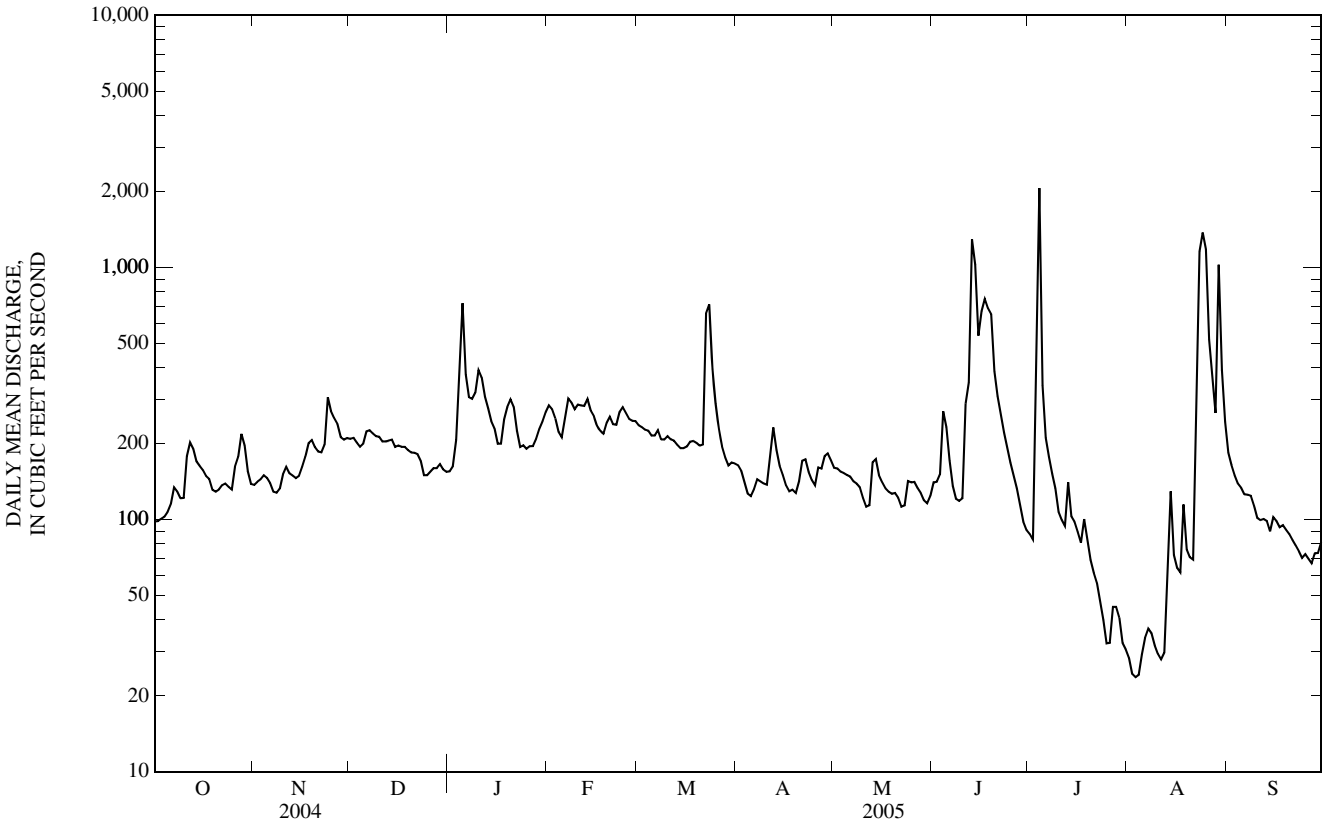
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2005, BY WATER YEAR (WY)

MEAN	210	195	167	158	188	275	258	311	309	165	117	169
MAX	1,215	820	319	305	486	1,110	726	1,100	1,808	889	372	1,271
(WY)	(1974)	(1980)	(1974)	(1988)	(2001)	(1973)	(1973)	(1957)	(1957)	(1987)	(1977)	(1973)
MIN	38.4	71.9	79.6	72.1	113	93.9	84.3	86.7	41.5	31.2	13.7	19.0
(WY)	(1957)	(1957)	(1957)	(1957)	(1981)	(1955)	(1955)	(1956)	(1956)	(1954)	(1956)	(1956)

07145200 SOUTH FORK NINNESCAH RIVER NEAR MURDOCK, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1951 - 2005	
ANNUAL MEAN	209		202		211	
HIGHEST ANNUAL MEAN					371	1973
LOWEST ANNUAL MEAN					89.0	1956
HIGHEST DAILY MEAN	2,500	Mar 5	2,060	Jul 4	18,000	Oct 31, 1979
LOWEST DAILY MEAN	49	Jun 1	24	Aug 2	7.9	Aug 4, 1956
ANNUAL SEVEN-DAY MINIMUM	62	May 29	27	Jul 30	8.8	Aug 3, 1956
MAXIMUM PEAK FLOW			3,430	Jul 4	28,700	Oct 31, 1979
MAXIMUM PEAK STAGE			7.40	Jul 4	12.84	Oct 31, 1979
INSTANTANEOUS LOW FLOW			21	Aug 2	5.0	Aug 5, 1964
ANNUAL RUNOFF (AC-FT)	151,800		146,000		152,700	
10 PERCENT EXCEEDS	287		289		310	
50 PERCENT EXCEEDS	168		162		138	
90 PERCENT EXCEEDS	89		75		68	

e Estimated



07145500 NINNESCAH RIVER NEAR PECK, KS

LOCATION.--Lat 37°27'25", long 97°25'25", in NW ¼ SW ¼ NW ¼ sec.10, T.30 S., R.1 W., Sumner County, Hydrologic Unit 11030016, on right bank at downstream side of county highway bridge, 3.0 mi southwest of Peck, and at mile 31.6.

DRAINAGE AREA.--2,129 mi^2, of which 344 mi^2 is probably noncontributing.

PERIOD OF RECORD.--October 1937 to current year. Prior to April 1938 monthly discharge only, published in WSP 1311.

REVISED RECORDS.--WSP 1117: Drainage area. WSP 1211: 1944(M). WSP 1241: 1944, 1945(M), 1947-48(M).

GAGE.--Water-stage recorder. Datum of gage is 1,222.38 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to Feb. 4, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow partially regulated since 1964 by Cheney Reservoir (station 07144790). Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 9, 1923, reached a stage of 26.4 ft from floodmark, discharge, about 70,000 ft^3/s.

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	105	206	470	236	758	794	725	261	170	1,310	134	596
2	104	196	480	233	795	879	535	250	170	1,300	126	476
3	102	201	479	265	716	781	450	239	240	1,470	118	415
4	103	204	435	375	671	631	430	233	1,020	11,000	112	372
5	101	194	315	e3,000	648	585	392	226	526	7,940	124	341
6	106	192	298	e1,000	794	430	326	223	332	1,600	118	316
7	128	188	328	e700	1,360	400	313	219	234	1,000	113	314
8	153	184	472	e560	1,170	394	309	220	188	1,230	115	286
9	143	182	477	582	868	376	303	298	236	1,490	107	270
10	140	211	474	787	791	368	299	217	388	1,390	101	253
11	177	245	419	1,010	794	357	296	198	7,380	1,330	96	239
12	233	221	364	853	775	345	313	189	3,840	1,290	94	245
13	253	208	353	758	886	345	353	205	5,790	1,290	353	243
14	232	201	397	e760	995	332	388	257	4,300	1,310	3,860	238
15	201	199	448	e700	812	327	503	265	1,880	1,250	3,210	234
16	184	202	454	e700	717	325	451	231	1,890	1,230	779	230
17	175	254	376	e740	666	320	384	205	1,820	1,210	408	219
18	167	260	279	e780	649	320	380	193	2,140	1,220	299	203
19	162	313	262	e800	665	316	369	211	2,000	1,330	473	194
20	159	455	256	e840	719	310	368	367	1,770	1,240	670	190
21	159	451	256	e900	749	330	373	375	1,540	968	560	198
22	159	446	250	896	698	620	377	370	1,470	661	1,140	191
23	161	474	223	872	1,070	2,180	370	364	1,430	440	6,610	184
24	157	764	205	863	1,140	1,210	350	372	1,370	241	8,430	176
25	153	889	260	852	847	1,050	351	232	1,340	198	7,090	174
26	162	478	299	852	734	977	334	198	1,290	179	3,090	171
27	218	373	347	849	694	912	276	185	1,280	182	1,540	e160
28	252	329	369	735	674	880	275	174	1,250	176	908	152
29	316	306	295	576	---	863	288	164	1,220	168	4,690	150
30	278	353	254	506	---	865	273	154	1,210	157	2,160	150
31	224	---	245	564	---	860	---	154	---	146	879	---
MEAN	173	313	350	779	816	635	372	240	1,657	1,482	1,565	253
MAX	316	889	480	3,000	1,360	2,180	725	375	7,380	11,000	8,430	596
MIN	101	182	205	233	648	310	273	154	170	146	94	150
AC-FT	10,650	18,600	21,500	47,890	45,330	39,040	22,120	14,780	98,610	91,130	96,210	15,030

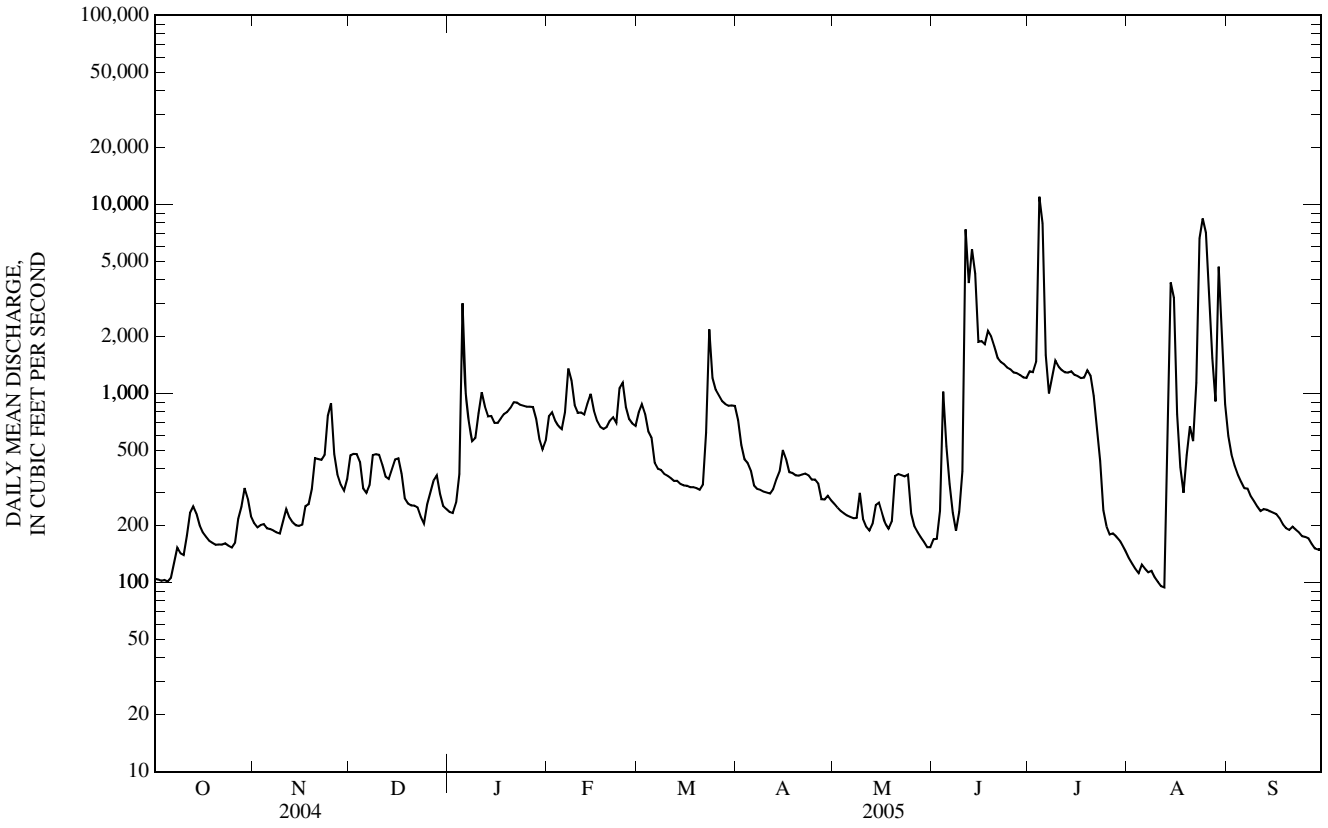
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2005, BY WATER YEAR (WY)

MEAN	458	432	322	330	442	672	717	826	901	512	291	428
MAX	3,170	2,767	1,032	1,429	3,027	3,245	3,568	4,314	3,813	3,258	1,565	2,705
(WY)	(1986)	(1980)	(1945)	(1949)	(1949)	(1973)	(1944)	(1993)	(1957)	(1948)	(2005)	(1977)
MIN	38.5	80.9	95.5	81.5	117	104	120	91.4	43.0	18.3	5.43	3.24
(WY)	(1940)	(1955)	(1957)	(1957)	(1967)	(1967)	(1972)	(1967)	(1956)	(1954)	(1956)	(1956)

07145500 NINNESCAH RIVER NEAR PECK, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1938 - 2005	
ANNUAL MEAN	661		719		527	
HIGHEST ANNUAL MEAN					1,234	1993
LOWEST ANNUAL MEAN					158	1966
HIGHEST DAILY MEAN	12,900	Mar 5	11,000	Jul 4	33,700	May 17, 1957
LOWEST DAILY MEAN	60	Jan 6	94	Aug 12	0.20	Sep 3, 1956
ANNUAL SEVEN-DAY MINIMUM	91	Sep 16	106	Aug 6	0.34	Sep 1, 1956
MAXIMUM PEAK FLOW			14,900	Jul 5	38,200	May 17, 1957
MAXIMUM PEAK STAGE			16.65	Jul 5	21.85	May 17, 1957
INSTANTANEOUS LOW FLOW			88	Aug 12	0.20	Sep 3, 1956
ANNUAL RUNOFF (AC-FT)	480,000		520,900		381,500	
10 PERCENT EXCEEDS	1,420		1,310		1,040	
50 PERCENT EXCEEDS	294		367		242	
90 PERCENT EXCEEDS	132		162		79	

e Estimated



07145700 SLATE CREEK AT WELLINGTON, KS

LOCATION.--Lat 37°14'58", long 97°24'13", in SE ¼ NE ¼ SE ¼ sec.22, T.32 S., R.1 W., Sumner County, Hydrologic Unit 11030013, on right bank at upstream side of bridge on U.S. Highway 81, at south edge of Wellington.

DRAINAGE AREA.--154 mi^2.

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1954-66. Annual maximum, water years 1960-69. April 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,157.24 ft above NGVD of 1929. Prior to Apr. 1, 1969, crest-stage gage at present site and at datum 3.0 ft higher.

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 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 11	0400	1,030	12.99	Jul 4	2000	*7,940	*22.70
Nov 24	0700	1,410	14.86	Aug 14	2000	1,300	14.34
Jan 5	0900	1,930	17.00	Aug 15	1700	1,470	15.18
Feb 24	0200	1,010	12.87	Aug 21	1600	1,210	13.91
Mar 22	2200	1,240	14.07	Aug 24	1100	2,040	17.36
Jun 12	0600	4,900	21.40	Aug 25	1500	2,410	18.41
Jun 14	0000	2,510	18.61	Aug 29	1400	1,440	15.00

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	3.3	5.1	17	10	517	40	24	13	8.1	7.4	4.3	42
2	3.1	4.8	16	10	176	37	22	12	6.9	8.0	3.8	33
3	3.2	42	16	15	68	35	21	11	22	29	3.5	27
4	3.4	366	15	307	42	33	21	11	530	4,920	3.4	23
5	3.6	42	26	1,660	34	32	21	11	144	3,940	74	21
6	4.0	13	41	469	251	31	20	11	26	216	155	19
7	4.1	9.0	32	161	e500	28	21	11	12	89	18	17
8	4.5	7.3	22	60	e210	26	19	11	8.3	54	9.1	16
9	4.4	6.6	18	59	e80	24	19	11	75	40	5.9	14
10	5.8	130	15	157	75	24	19	12	156	31	4.9	13
11	19	686	14	194	70	23	e18	10	1,770	25	4.0	13
12	8.0	88	14	96	51	22	e17	9.2	3,610	21	8.7	12
13	6.3	28	13	110	146	21	e17	13	2,160	23	25	12
14	5.2	15	12	102	243	20	e16	25	1,440	21	587	12
15	5.0	12	11	67	73	20	e16	23	147	17	1,210	14
16	4.7	11	11	40	40	21	15	11	582	15	302	11
17	4.4	228	11	26	31	21	15	9.1	470	14	60	12
18	4.3	367	11	28	26	21	14	8.4	81	12	27	11
19	4.3	171	10	166	30	20	14	15	42	12	71	10
20	4.5	51	10	314	35	19	14	20	30	10	27	9.9
21	4.2	67	11	243	39	31	16	9.0	22	9.0	797	9.6
22	4.2	37	9.7	114	37	532	14	7.6	19	7.8	221	9.1
23	4.6	228	7.2	48	420	685	13	7.0	16	7.4	854	8.7
24	4.3	1,080	8.4	36	669	118	13	7.6	14	6.9	1,630	8.6
25	4.3	221	8.4	30	142	56	14	7.1	12	6.1	1,970	8.5
26	4.6	64	9.3	28	66	42	14	6.9	11	5.5	563	8.2
27	5.5	38	9.9	26	50	36	13	6.7	9.9	5.8	157	7.8
28	265	26	10	27	44	32	15	6.4	9.0	5.4	71	7.7
29	43	22	10	38	---	31	14	6.2	8.2	5.4	1,000	7.0
30	10	19	10	130	---	28	13	5.9	7.6	5.2	420	7.1
31	6.0	---	11	186	---	25	---	8.6	---	4.8	73	---
MEAN	14.9	136	14.2	160	149	68.8	16.7	10.9	382	309	334	14.1
MAX	265	1,080	41	1,660	669	685	24	25	3,610	4,920	1,970	42
MIN	3.1	4.8	7.2	10	26	19	13	5.9	6.9	4.8	3.4	7.0
AC-FT	914	8,100	873	9,830	8,260	4,230	996	668	22,710	18,990	20,550	841

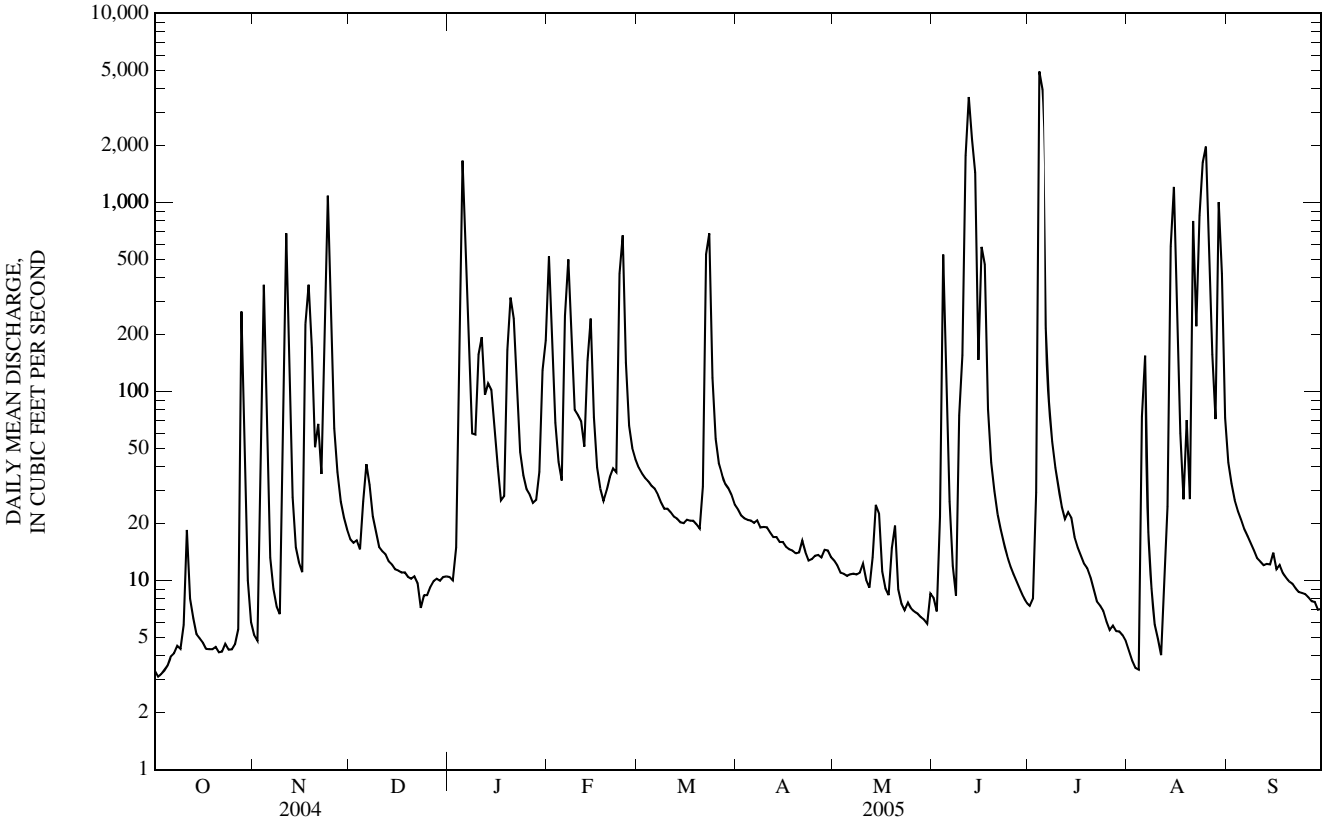
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2005, BY WATER YEAR (WY)

MEAN	52.4	63.6	27.9	30.5	59.4	138	89.6	103	160	72.5	56.4	54.4
MAX	405	408	229	160	331	739	477	1,091	972	369	408	620
(WY)	(2003)	(1999)	(2000)	(2005)	(2001)	(1973)	(1983)	(1993)	(1995)	(1999)	(1977)	(1973)
MIN	0.32	0.39	1.85	2.30	2.86	3.40	2.39	3.14	0.49	0.17	0.40	0.28
(WY)	(1981)	(1981)	(1989)	(1981)	(1981)	(1991)	(1981)	(1981)	(1972)	(1980)	(1978)	(1984)

07145700 SLATE CREEK AT WELLINGTON, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1970 - 2005	
ANNUAL MEAN	113		134		75.6	
HIGHEST ANNUAL MEAN					210	1993
LOWEST ANNUAL MEAN					4.29	1981
HIGHEST DAILY MEAN	4,850	May 14	4,920	Jul 4	10,200	Jun 17, 1975
LOWEST DAILY MEAN	3.0	Sep 22	3.1	Oct 2	0.00	Aug 21, 1972
ANNUAL SEVEN-DAY MINIMUM	3.2	Sep 16	3.5	Oct 1	0.00	Jul 10, 1980
MAXIMUM PEAK FLOW			7,940	Jul 4	28,500	Jun 17, 1975
MAXIMUM PEAK STAGE			22.70	Jul 4	25.82	Jun 17, 1975
INSTANTANEOUS LOW FLOW			3.0	Oct 2	0.00	at times
ANNUAL RUNOFF (AC-FT)	81,920		96,970		54,780	
10 PERCENT EXCEEDS	176		243		80	
50 PERCENT EXCEEDS	18		19		8.7	
90 PERCENT EXCEEDS	4.5		5.7		1.1	

e Estimated



07146500 ARKANSAS RIVER AT ARKANSAS CITY, KS

LOCATION.--Lat 37°03'23", long 97°03'28", in NE $^1/_4$ NE $^1/_4$ NE $^1/_4$ sec.35, T.34 S., R.3 E., Cowley County, Hydrologic Unit 11030013, on left bank at downstream side of bridge on U.S. Highway 166, 0.5 mi west of Arkansas City, 5.4 mi upstream from Walnut River, and at mile 701.4.

DRAINAGE AREA.--43,713 mi^2, of which 7,607 mi^2 is probably noncontributing.

PERIOD OF RECORD.--September 1902 to September 1906, September 1921 to current year. Published as "near Arkansas City" 1903-04. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1311: 1905. WSP 1341: 1922-23, 1927, 1929, 1931, 1933, 1940, 1945-46(M), drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,050.04 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Sept. 23, 1902, to July 31, 1906, nonrecording gage at site 0.5 mi upstream at datum 9.5 ft higher. Sept. 10, 1921, to Sept 27, 1929, nonrecording gage and Sept. 28, 1929, to Aug. 28, 1956, water-stage recorder at site 0.5 mi upstream at datum 2.97 ft higher than present datum.

REMARKS.--Records good. Flow slightly regulated since 1948 by John Martin Reservoir (station 07130000), and since 1964 by Cheney Reservoir (station 07144790). Diversions upstream from station for irrigation. Satellite telemeter at station.

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)
Mar 24	0800	10,600	14.72	Jul 6	0600	22,300	18.08
Jun 10	1800	23,600	18.42	Aug 26	0145	19,100	17.20
Jun 14	1230	*30,100	*20.00	Aug 30	1300	10,900	14.91
Jun 19	0400	12,300	15.26				

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	496	844	1,110	803	1,900	1,730	2,100	934	1,160	2,620	752	3,810
2	497	794	1,180	791	2,250	1,700	1,950	906	1,130	2,550	722	2,630
3	488	730	1,210	775	1,830	1,850	1,710	871	997	2,410	700	2,150
4	473	1,170	1,190	1,750	1,730	1,800	1,540	809	4,000	9,540	677	1,850
5	473	1,530	1,200	e8,430	1,640	1,590	1,450	811	6,460	17,100	656	1,610
6	487	884	1,330	8,550	1,690	1,530	1,390	821	4,760	17,600	716	1,400
7	525	676	1,290	5,590	3,200	1,370	1,300	811	3,860	8,020	801	1,260
8	570	605	1,130	2,900	3,700	1,230	1,230	807	2,990	4,640	772	1,160
9	576	576	1,160	2,110	3,700	1,180	1,250	796	2,700	4,050	792	1,090
10	576	664	1,200	2,250	3,200	1,070	1,240	1,330	17,600	3,910	680	991
11	735	4,030	1,160	2,600	2,540	1,010	1,260	1,020	20,600	3,630	617	930
12	1,130	3,620	1,140	2,490	2,170	971	1,290	972	27,500	3,240	584	896
13	946	1,360	1,010	2,420	1,810	953	1,340	904	25,200	3,040	648	858
14	779	965	953	2,020	2,300	931	1,270	893	29,000	2,920	1,650	885
15	731	884	928	1,470	3,140	914	1,280	4,120	20,800	2,920	6,650	1,170
16	685	857	998	1,020	3,720	901	1,420	6,220	14,800	2,770	6,430	909
17	635	887	1,030	1,030	3,390	876	1,510	5,530	10,600	2,560	3,220	835
18	619	1,740	1,030	1,020	2,550	864	1,370	3,690	9,460	2,480	1,840	816
19	606	1,880	886	1,170	1,930	869	1,290	2,620	11,200	2,470	1,360	801
20	593	1,350	843	1,550	1,830	874	1,250	1,900	8,230	2,720	1,270	765
21	592	1,250	852	1,890	1,770	900	1,200	1,620	6,610	2,490	1,590	740
22	590	1,320	856	1,880	1,690	1,590	1,170	1,500	5,470	2,110	2,150	713
23	585	1,220	815	2,350	1,870	6,370	1,120	1,370	4,700	1,850	2,010	690
24	566	3,550	719	2,720	3,810	9,920	1,100	1,760	4,250	1,480	9,180	675
25	546	4,810	650	2,330	3,510	6,720	1,090	2,160	4,000	1,210	14,900	659
26	544	2,880	739	2,050	2,340	4,940	1,070	1,790	3,880	1,050	16,200	649
27	628	1,910	759	1,820	1,980	3,860	1,070	1,350	3,460	969	12,200	626
28	826	1,480	793	1,710	1,820	3,040	995	1,160	3,180	943	6,520	683
29	1,430	1,280	922	1,810	---	2,640	1,020	1,460	2,970	880	6,340	759
30	1,180	1,180	911	1,420	---	2,360	967	1,270	2,740	840	10,200	765
31	927	---	825	1,440	---	2,170	---	1,130	---	791	6,290	---
MEAN	679	1,564	994	2,328	2,465	2,217	1,308	1,720	8,810	3,736	3,842	1,126
MAX	1,430	4,810	1,330	8,550	3,810	9,920	2,100	6,220	29,000	17,600	16,200	3,810
MIN	473	576	650	775	1,640	864	967	796	997	791	584	626
AC-FT	41,720	93,080	61,130	143,100	136,900	136,300	77,840	105,800	524,300	229,700	236,300	66,990

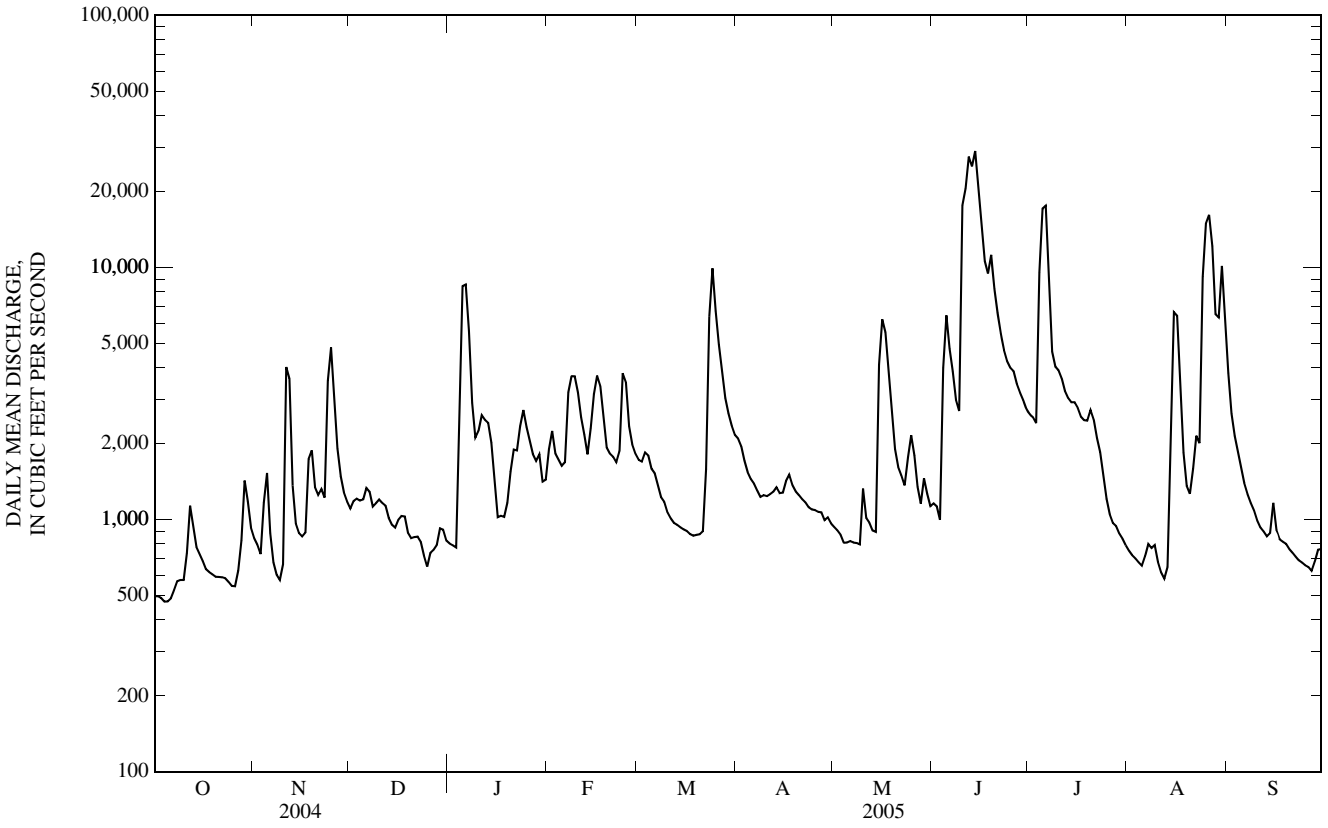
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1903 - 2005, BY WATER YEAR (WY)

MEAN	1,694	1,409	974	906	1,260	2,103	2,362	2,990	3,703	2,662	1,641	1,539
MAX	18,890	11,550	3,908	3,673	9,658	14,600	14,780	16,890	16,040	17,190	13,320	7,870
(WY)	(1974)	(1999)	(1945)	(1949)	(1949)	(1973)	(1944)	(1993)	(1923)	(1951)	(1950)	(1951)
MIN	19.6	8.27	18.2	84.1	41.6	36.9	118	334	248	112	65.4	32.4
(WY)	(1922)	(1922)	(1922)	(1922)	(1923)	(1923)	(1923)	(1967)	(1956)	(1934)	(1934)	(1956)

07146500 ARKANSAS RIVER AT ARKANSAS CITY, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1903 - 2005	
ANNUAL MEAN	2,361		2,560		1,939	
HIGHEST ANNUAL MEAN					5,830	1951
LOWEST ANNUAL MEAN					366	1934
HIGHEST DAILY MEAN	40,000	Mar 6	29,000	Jun 14	79,700	Nov 3, 1998
LOWEST DAILY MEAN	346	Jan 7	473	Oct 4	4.0	Oct 23, 1921
ANNUAL SEVEN-DAY MINIMUM	485	Sep 30	491	Oct 1	5.6	Nov 5, 1921
MAXIMUM PEAK FLOW			30,100	Jun 14	103,000	Jun 10, 1923
MAXIMUM PEAK STAGE			20.00	Jun 14	28.89	Nov 3, 1998
INSTANTANEOUS LOW FLOW			458	Oct 4	1.0	Oct 9, 1921
ANNUAL RUNOFF (AC-FT)	1,714,000		1,853,000		1,404,000	
10 PERCENT EXCEEDS	4,990		5,150		4,090	
50 PERCENT EXCEEDS	1,130		1,320		914	
90 PERCENT EXCEEDS	584		682		286	

e Estimated



07147070 WHITEWATER RIVER AT TOWANDA, KS

LOCATION.--Lat 37°47'46", long 97°00'51", in SE ¼ SW ¼ SE ¼ sec.8, T.26 S., R.4 E., Butler County, Hydrologic Unit 11030017, on right bank at downstream side of bridge on Kansas Highway 254, 0.5 mi west of Towanda, 2.4 mi downstream from West Branch, and at mile 17.5.

DRAINAGE AREA.--426 mi^2.

PERIOD OF RECORD.--Annual maximum, water years 1960-61. October 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,231.47 ft above NGVD of 1929 (levels by Kansas State Highway Commission). Prior to Oct. 1, 1961, crest-stage gage at same site at datum 5.22 ft higher.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1944 reached a stage of 28.6 ft from floodmark.

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)
Jan 5	1430	5,240	16.45	Jun 10	0900	12,200	24.90
Mar 23	1100	7,180	19.87	Jun 13	2000	11,300	24.33
Jun 4	1900	6,390	18.52	Aug 26	1000	*16,000	*25.84

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	e29	54	41	143	86	133	50	51	71	36	224
2	28	e29	50	42	194	80	118	48	50	69	35	156
3	28	e31	49	52	236	75	108	46	85	68	35	103
4	28	e33	47	553	277	72	101	45	5,280	86	36	80
5	29	34	49	4,630	282	69	96	44	2,650	101	34	68
6	31	30	54	1,620	268	66	94	44	353	95	69	61
7	31	28	55	464	1,420	65	96	44	197	76	56	57
8	31	27	58	306	1,210	62	97	44	139	66	42	54
9	30	26	54	262	429	60	93	93	2,490	61	37	51
10	32	57	50	410	269	59	89	80	10,600	58	36	48
11	e34	154	47	361	228	56	90	64	8,430	56	34	47
12	e32	114	45	232	262	56	88	58	10,900	55	33	44
13	e29	54	43	169	546	54	83	486	10,900	60	98	45
14	e26	39	42	81	1,060	52	80	586	8,590	57	629	43
15	23	35	41	101	436	51	77	205	2,730	59	113	46
16	23	33	42	70	258	52	74	115	1,860	53	67	47
17	23	35	42	61	193	51	71	84	1,210	51	54	45
18	e22	38	42	58	158	51	66	70	571	51	50	43
19	e22	43	42	60	141	49	65	64	332	50	45	41
20	e22	42	41	69	149	48	64	61	230	50	44	39
21	e22	37	42	173	152	166	61	57	184	49	171	38
22	e22	34	41	227	134	3,410	57	54	160	46	115	36
23	e22	35	39	119	120	6,580	53	227	140	44	78	35
24	e22	402	41	161	e130	1,860	52	220	122	42	625	33
25	e22	465	37	95	140	564	53	177	110	41	8,740	33
26	e25	238	38	71	122	351	55	110	99	41	14,000	31
27	e27	132	40	63	e111	267	55	74	90	43	7,310	29
28	e40	87	41	59	93	223	55	61	83	42	1,420	29
29	e40	68	42	59	---	195	53	56	78	39	867	28
30	e37	59	42	60	---	173	51	53	73	37	592	29
31	e31	---	42	68	---	150	---	50	---	36	355	---
MEAN	27.8	82.3	44.9	348	327	489	77.6	112	2,293	56.5	1,157	55.4
MAX	40	465	58	4,630	1,420	6,580	133	586	10,900	101	14,000	224
MIN	22	26	37	41	93	48	51	44	50	36	33	28
AC-FT	1,710	4,900	2,760	21,420	18,170	30,060	4,620	6,880	136,400	3,480	71,120	3,300

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2005, BY WATER YEAR (WY)

MEAN	173	194	93.4	70.6	143	258	241	321	555	237	128	132
MAX	1,797	3,494	508	401	850	1,933	1,123	2,097	2,467	1,582	1,436	1,599
(WY)	(1986)	(1999)	(1993)	(1962)	(2001)	(1973)	(1999)	(1995)	(1995)	(2004)	(1995)	(1965)
MIN	0.74	2.34	4.34	6.20	5.31	4.77	8.29	3.55	10.4	6.35	4.24	1.11
(WY)	(1992)	(1981)	(1967)	(1967)	(1967)	(1967)	(1967)	(1967)	(1972)	(1980)	(1966)	(1980)

07147070 WHITEWATER RIVER AT TOWANDA, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1962 - 2005	
ANNUAL MEAN	305		421		212	
HIGHEST ANNUAL MEAN					682	1999
LOWEST ANNUAL MEAN					21.3	1981
HIGHEST DAILY MEAN	11,800	Jul 25	14,000	Aug 26	49,400	Nov 1, 1998
LOWEST DAILY MEAN	22	Oct 18	22	Oct 18	0.30	Oct 20, 1972
ANNUAL SEVEN-DAY MINIMUM	22	Oct 18	22	Oct 18	0.47	Oct 20, 1991
MAXIMUM PEAK FLOW			16,000	Aug 26	80,600	Nov 1, 1998
MAXIMUM PEAK STAGE			25.84	Aug 26	30.54	Nov 1, 1998
INSTANTANEOUS LOW FLOW			22	Oct 16	0.20	Jul 14, 1966
ANNUAL RUNOFF (AC-FT)	221,500		304,800		153,500	
10 PERCENT EXCEEDS	404		432		253	
50 PERCENT EXCEEDS	55		59		37	
90 PERCENT EXCEEDS	29		31		8.1	

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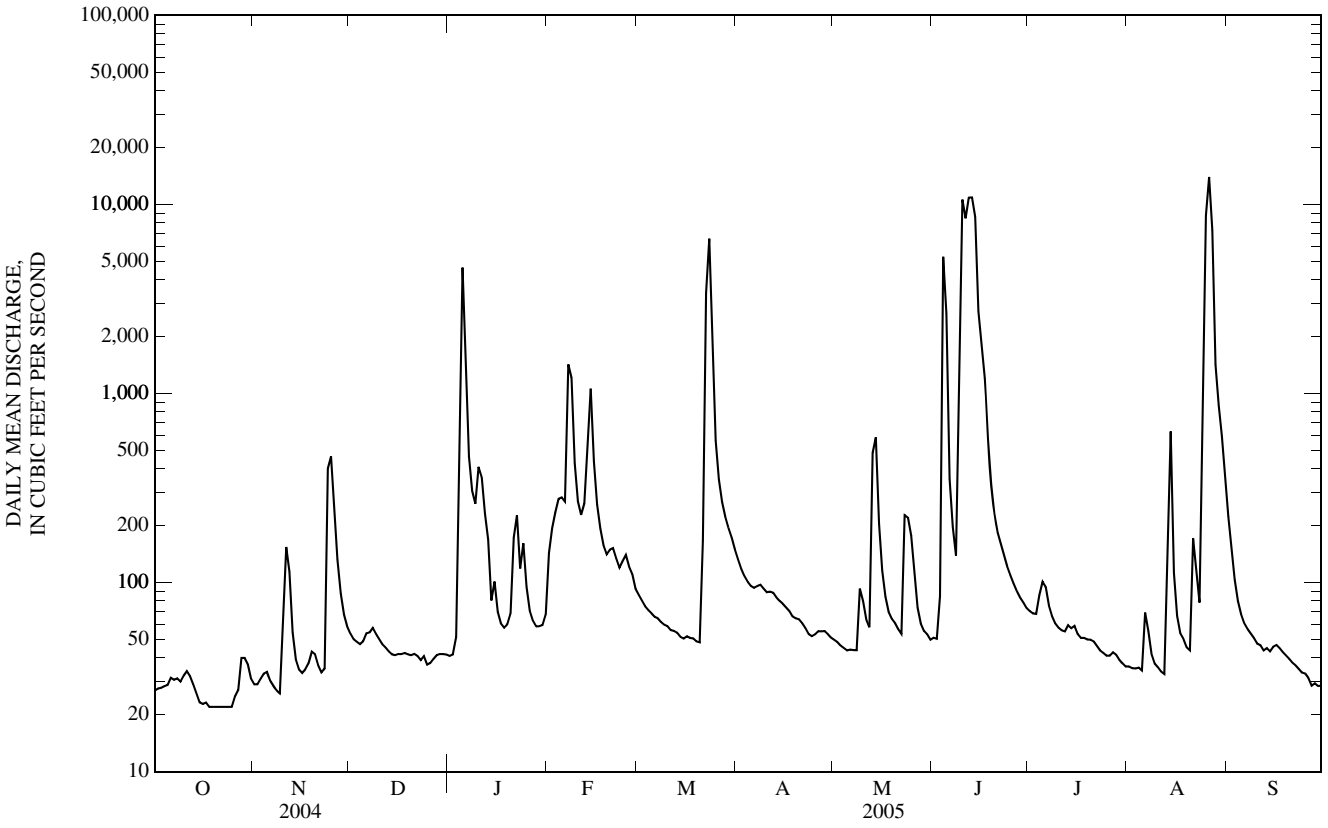


07147800 WALNUT RIVER AT WINFIELD, KS

LOCATION.--Lat 37°13'26", long 96°59'45", in SW ¼ SW ¼ NE ¼ sec.33, T.32 S., R.4 E., Cowley County, Hydrologic Unit 11030018, on left bank at upstream side of bridge on U.S. Highway 77, 1.0 mi south of Winfield, 1.0 mi upstream from Black Crook Creek, and at mile 25.4.

DRAINAGE AREA.--1,880 mi^2.

PERIOD OF RECORD.--October 1921 to current year. October to November 1921 monthly discharge only, published in WSP 1311.

REVISED RECORDS.--WSP 607: 1923(M). WDR KS-82-1: Drainage area. WSP 1241: 1922(M), 1923, 1926-27, 1928-29(M), 1934, 1940-41.

GAGE.--Water-stage recorder. Datum of gage is 1,082.86 ft above NGVD of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Oct. 1, 1934, nonrecording gage on upstream side of former bridge just upstream from present gage at same datum.

REMARKS.--Records good. Some regulation at low flow by City Water Works Dam and Timber Creek Reservoir upstream from station. Flow moderately regulated since 1981 by El Dorado Lake (station 07146622). Satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 9,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 6	0320	13,800	13.94	Jun 6	0745	22,300	20.10
Mar 23	1820	15,800	15.46	Jun 9	2300	14,800	14.69
May 23	2300	12,100	12.63	Jun 14	1330	*34,100	*27.90
May 25	1100	14,200	14.25	Aug 28	1330	30,400	25.50

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	108	189	614	287	984	1,110	1,190	328	1,070	1,050	138	7,160
2	104	158	567	286	1,150	924	1,080	311	790	1,030	131	6,320
3	102	206	518	291	1,180	819	797	298	633	1,020	124	5,280
4	99	451	482	957	1,230	774	691	289	7,990	2,640	120	3,420
5	99	416	515	9,600	1,280	735	654	280	20,000	1,770	119	2,910
6	104	376	834	12,700	1,500	699	623	275	21,300	1,280	122	2,540
7	120	302	1,030	e5,000	2,620	669	626	275	9,240	778	126	2,460
8	120	235	944	2,860	4,010	645	793	278	4,850	526	127	2,750
9	125	197	773	2,790	3,400	619	881	330	9,610	451	143	2,590
10	132	360	660	3,720	2,170	593	854	960	12,500	504	121	1,620
11	282	1,920	579	4,970	1,670	563	831	662	19,300	640	109	1,020
12	257	1,300	523	3,880	1,480	544	818	458	25,000	620	102	942
13	210	899	471	3,920	1,500	523	801	409	30,400	482	127	921
14	172	614	431	3,570	2,140	501	777	2,120	33,500	356	334	939
15	147	459	403	2,560	2,810	486	749	3,600	30,000	322	1,110	959
16	130	388	387	1,920	1,990	474	572	1,630	19,500	303	616	910
17	120	359	374	1,870	1,830	468	440	951	10,900	286	335	676
18	115	353	367	1,810	1,680	459	421	711	8,050	266	235	609
19	112	368	357	1,700	1,590	446	409	693	6,530	258	189	584
20	111	369	344	1,670	1,350	439	400	482	4,810	254	287	562
21	108	386	335	1,670	1,310	467	392	420	4,050	232	253	424
22	107	374	323	1,630	1,270	3,320	376	533	3,570	211	221	291
23	106	367	305	1,390	1,690	14,800	344	6,320	3,220	198	371	262
24	103	2,480	267	1,180	3,060	13,300	329	9,660	2,970	181	1,210	252
25	102	3,930	269	1,140	2,490	7,110	331	12,700	2,600	168	5,180	243
26	103	2,430	293	1,100	1,670	3,830	348	5,530	1,550	162	16,900	232
27	108	1,500	279	944	1,380	2,520	369	2,780	1,330	163	24,500	219
28	162	1,040	280	858	1,230	1,990	364	1,940	1,230	163	29,800	213
29	261	802	283	853	---	1,680	366	1,650	1,150	165	23,700	205
30	285	673	286	775	---	1,470	353	1,390	1,090	156	10,600	194
31	217	---	289	755	---	1,320	---	1,180	---	148	8,340	---
MEAN	143	797	464	2,537	1,845	2,074	599	1,918	9,958	541	4,058	1,590
MAX	285	3,930	1,030	12,700	4,010	14,800	1,190	12,700	33,500	2,640	29,800	7,160
MIN	99	158	267	286	984	439	329	275	633	148	102	194
AC-FT	8,790	47,410	28,530	156,000	102,500	127,500	35,660	117,900	592,500	33,290	249,500	94,630

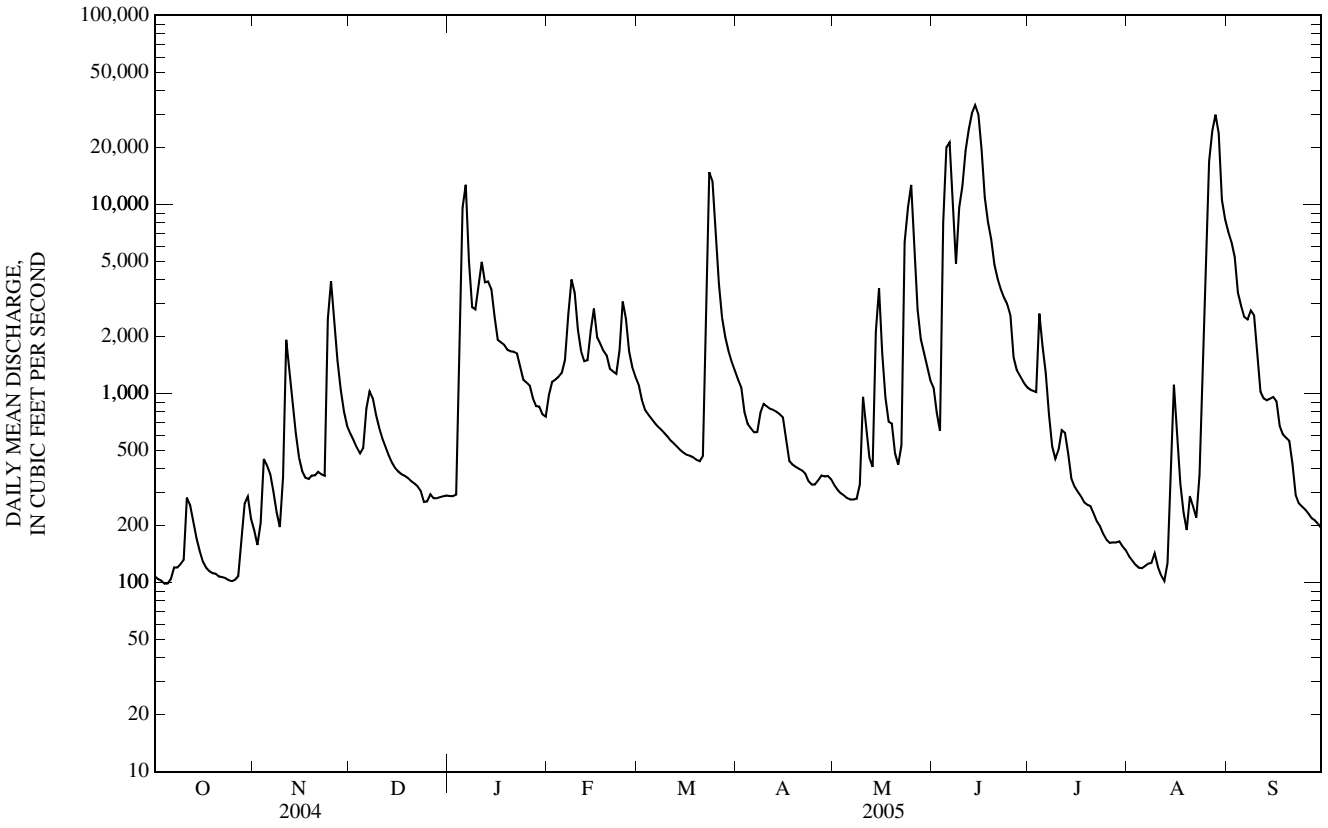
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2005, BY WATER YEAR (WY)

MEAN	724	717	423	377	542	1,036	1,368	1,579	1,934	1,008	502	597
MAX	6,877	11,710	3,313	2,633	3,631	8,777	10,080	10,320	11,710	9,335	4,492	4,782
(WY)	(1987)	(1999)	(1945)	(1949)	(1949)	(1973)	(1944)	(1993)	(1995)	(1951)	(1950)	(1965)
MIN	0.00	0.84	4.12	4.33	7.10	8.73	8.87	4.50	23.9	3.90	0.00	0.00
(WY)	(1957)	(1957)	(1957)	(1957)	(1957)	(1957)	(1955)	(1956)	(1933)	(1936)	(1936)	(1954)

07147800 WALNUT RIVER AT WINFIELD, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1922 - 2005	
ANNUAL MEAN	1,764		2,202		901	
HIGHEST ANNUAL MEAN					2,948	1999
LOWEST ANNUAL MEAN					26.2	1954
HIGHEST DAILY MEAN	24,600	Mar 6	33,500	Jun 14	85,200	Nov 2, 1998
LOWEST DAILY MEAN	99	Oct 4	99	Oct 4	0.00	Nov 11, 1928
ANNUAL SEVEN-DAY MINIMUM	104	Sep 30	105	Oct 1	0.00	Jul 27, 1936
MAXIMUM PEAK FLOW			34,100	Jun 14	105,000	Apr 23, 1944
MAXIMUM PEAK STAGE			27.90	Jun 14	38.30	Apr 23, 1944
INSTANTANEOUS LOW FLOW			96	Oct 4	0.00	at times
ANNUAL RUNOFF (AC-FT)	1,281,000		1,594,000		652,600	
10 PERCENT EXCEEDS	3,800		4,900		1,760	
50 PERCENT EXCEEDS	552		633		174	
90 PERCENT EXCEEDS	155		148		24	

e Estimated



07149000 MEDICINE LODGE RIVER NEAR KIOWA, KS

LOCATION.--Lat 37°02'20", long 98°28'14", in SE $^1/_4$ SW $^1/_4$ sec.36, T.34 S., R.11 W., Barber County, Hydrologic Unit 11060003, on right bank at downstream side of bridge on Kansas Highway 14, 200 ft downstream from the Atchison, Topeka and Santa Fe Railway Co. bridge, 1.5 mi northeast of Kiowa, and at mile 22.2.

DRAINAGE AREA.--903 mi^2.

PERIOD OF RECORD.--May 1895 to October 1896, October 1937 to September 1950, October 1954 to September 1955, June 1959 to current year. Published as Medicine River near Kiowa 1895-96. All figures of discharge above 2,000 ft^3/s for June and July 1896, published in Eighteenth Annual Report of the Geological Survey (Part 4), have been found to be unreliable and should not be used.

REVISED RECORDS.--WSP 1117: Drainage area. WSP 1391: 1938(M), 1942(M). WSP 1921: Drainage area. See also "PERIOD OF RECORD."

GAGE.--Water-stage recorder. Datum of gage is 1,286.99 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). May 1895 to October 1896, nonrecording gage at site 2.0 mi upstream at different datum. Feb. 11 to Mar. 2, 1938, nonrecording gage and Mar. 3, 1938, to Sept. 30, 1944, water-stage recorder at present site and datum 3.00 ft higher. Oct. 1, 1944, to Sept. 30, 1950, and Oct. 1, 1954, to Sept. 30, 1955, water-stage recorder at present site and datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Floods of May 8, 1922, and June 1957 reached stages of about 16 ft and 15.5 ft, respectively, present site and datum, from the Atchison, Topeka and Santa Fe Railway Co. records and information by local resident.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jun 13	0300	*1,510	*4.78	No peak greater than base discharge.			

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

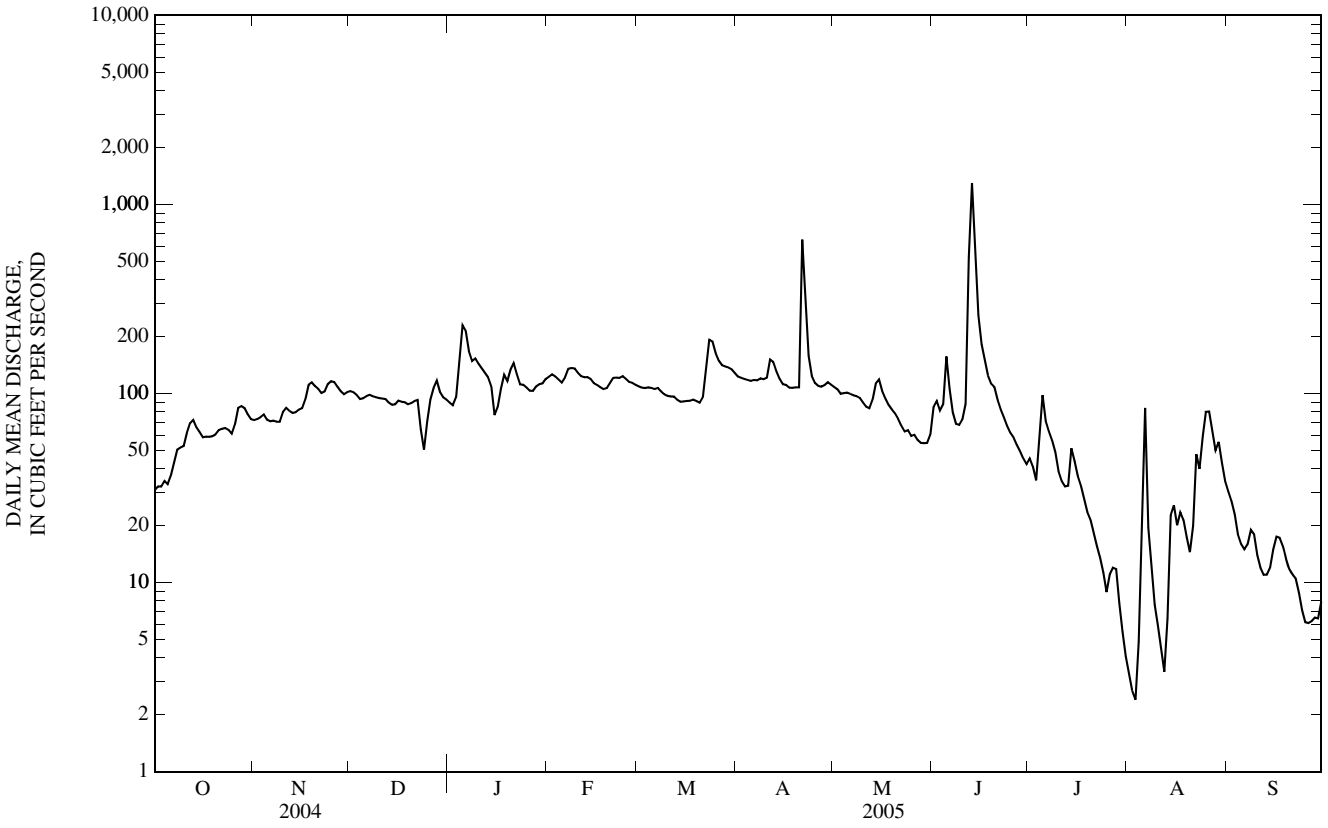
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	72	103	90	123	109	123	108	85	45	3.3	30
2	32	73	101	87	126	107	121	105	91	41	2.7	27
3	32	75	98	96	123	107	119	100	81	35	2.4	23
4	35	77	93	151	119	108	118	101	88	58	4.9	18
5	33	73	94	229	114	107	116	101	157	98	29	16
6	37	71	97	214	121	105	118	100	106	72	84	15
7	43	72	98	167	135	107	118	98	79	63	20	16
8	51	71	97	148	136	103	120	97	69	56	12	19
9	52	71	96	153	136	99	119	95	68	49	7.6	18
10	53	80	95	144	129	97	121	90	73	39	5.9	14
11	62	84	94	136	124	96	151	85	88	34	4.4	12
12	70	81	93	128	122	96	147	84	524	32	3.4	11
13	73	79	90	122	122	93	131	93	1,300	33	6.5	11
14	66	80	87	109	119	91	119	113	525	51	23	12
15	62	82	88	77	114	91	112	119	259	44	26	15
16	59	84	92	85	111	91	111	103	183	37	20	17
17	59	93	90	106	108	92	107	94	150	33	24	17
18	59	111	90	126	105	93	107	87	125	28	21	16
19	59	115	88	116	107	91	108	82	113	24	17	13
20	61	109	89	134	114	89	108	78	108	21	14	12
21	64	106	91	145	121	96	652	73	93	18	20	11
22	65	101	92	126	121	138	296	67	82	16	48	11
23	66	103	65	112	121	193	158	63	75	13	40	8.9
24	64	112	50	111	124	188	124	64	67	11	59	7.2
25	61	116	71	108	119	164	114	60	62	8.9	80	6.2
26	69	115	93	103	115	149	110	60	59	11	80	6.1
27	84	109	107	103	114	141	109	57	54	12	63	6.3
28	86	103	117	109	111	139	111	55	49	12	50	6.5
29	84	99	102	112	---	137	115	55	45	7.7	55	6.5
30	78	102	96	113	---	134	111	55	42	5.5	43	7.9
31	73	---	93	119	---	128	---	61	---	4.1	34	---
MEAN	58.8	90.6	91.9	125	120	115	143	84.0	163	32.7	29.1	13.7
MAX	86	116	117	229	136	193	652	119	1,300	98	84	30
MIN	31	71	50	77	105	89	107	55	42	4.1	2.4	6.1
AC-FT	3,620	5,390	5,650	7,690	6,650	7,100	8,520	5,160	9,720	2,010	1,790	812

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2005, BY WATER YEAR (WY)

MEAN	144	119	104	108	135	189	224	266	238	111	104	106
MAX	1,083	627	334	322	913	932	1,032	1,549	1,226	588	970	887
(WY)	(1942)	(1997)	(1997)	(1998)	(1949)	(1987)	(1973)	(1938)	(1949)	(1996)	(1996)	(1949)
MIN	0.00	0.00	2.45	0.00	31.0	42.5	38.6	26.5	26.3	0.88	0.00	0.00
(WY)	(1940)	(1940)	(1940)	(1940)	(1955)	(1955)	(1955)	(1963)	(1972)	(1946)	(1946)	(1939)

07149000 MEDICINE LODGE RIVER NEAR KIOWA, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1938 - 2005	
ANNUAL MEAN	109		88.6		152	
HIGHEST ANNUAL MEAN					494	1949
LOWEST ANNUAL MEAN					36.5	1964
HIGHEST DAILY MEAN	2,480	Mar 5	1,300	Jun 13	9,660	Oct 22, 1941
LOWEST DAILY MEAN	5.3	Sep 20	2.4	Aug 3	0.00	Jul 7, 1939
ANNUAL SEVEN-DAY MINIMUM	6.5	Sep 15	4.4	Jul 29	0.00	Jul 7, 1939
MAXIMUM PEAK FLOW			1,510	Jun 13	16,000	Oct 22, 1941
MAXIMUM PEAK STAGE			4.78	Jun 13	12.10	Oct 12, 1973
INSTANTANEOUS LOW FLOW			2.1	Aug 3	0.00	at times
ANNUAL RUNOFF (AC-FT)	79,020		64,120		110,200	
10 PERCENT EXCEEDS	171		128		265	
50 PERCENT EXCEEDS	88		90		87	
90 PERCENT EXCEEDS	21		14		14	



07151500 CHIKASKIA RIVER NEAR CORBIN, KS

LOCATION.--Lat 37°07'44", long 97°36'06", in NW ¼ SW ¼ SW ¼ sec.36, T.33 S., R.3 W., Sumner County, Hydrologic Unit 11060005, on right bank at downstream side of bridge on Kansas Highway 49, 1 mi upstream from Prairie Creek, 3 mi west of Corbin, and at mile 67.5.

DRAINAGE AREA.--794 mi^2.

PERIOD OF RECORD.--August 1950 to September 1965, October 1975 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,108.00 ft above NGVD of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Mar. 23, 1951, wire-weight gage at same site and datum.

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 2,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 5	unknown	4,840	9.16
Jun 11	2300	4,620	8.96
Jun 13	1400	5,280	9.53
Jun 16	1900	2,800	7.20
Jul 4	unknown	*e15,300	*e14.81
Aug 24	0100	3,190	7.60
Aug 25	0100	3,980	8.38

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	74	105	168	144	442	237	219	154	89	110	158	251
2	75	103	167	141	295	228	209	147	90	104	151	219
3	76	132	164	152	235	222	204	143	99	97	147	196
4	78	294	163	e400	212	216	201	141	262	e7,020	144	178
5	79	135	170	e2,500	201	210	198	139	295	e2,980	207	164
6	79	109	180	e600	294	204	199	138	206	933	229	150
7	89	101	178	e400	607	202	194	138	137	603	169	141
8	102	98	171	314	425	199	190	135	100	478	158	135
9	93	95	166	306	291	192	185	136	96	417	147	123
10	91	199	162	379	269	189	181	129	126	373	134	110
11	126	629	157	456	261	188	183	119	2,290	339	122	98
12	135	178	156	333	251	184	197	113	2,180	324	115	97
13	138	138	154	307	295	181	216	125	4,340	346	112	96
14	118	127	150	293	366	179	191	151	2,110	369	375	102
15	104	126	151	188	275	176	176	153	688	337	396	115
16	98	128	154	271	235	176	170	134	1,940	314	217	91
17	94	303	154	927	213	177	165	116	1,280	293	170	86
18	92	377	153	725	207	175	161	109	509	277	226	83
19	90	286	151	468	214	172	159	115	343	265	276	76
20	90	188	151	385	237	169	164	110	276	249	187	69
21	90	192	156	347	248	177	180	101	239	233	286	67
22	92	163	153	263	247	363	181	95	215	219	201	65
23	93	274	e140	223	434	1,370	179	90	e198	206	1,170	60
24	89	812	e120	208	707	548	158	86	e180	194	2,890	58
25	89	332	e130	208	369	376	156	84	e170	183	2,410	56
26	93	221	e140	205	279	314	159	89	e155	176	724	56
27	108	190	e160	200	258	283	158	90	e145	184	427	55
28	373	176	178	201	249	262	158	83	e130	184	355	54
29	166	172	159	211	---	248	165	80	122	183	989	53
30	141	169	156	238	---	240	163	75	111	174	560	52
31	113	---	150	286	---	233	---	77	---	166	321	---
MEAN	109	218	157	396	308	267	181	116	637	591	457	105
MAX	373	812	180	2,500	707	1,370	219	154	4,340	7,020	2,890	251
MIN	74	95	120	141	201	169	156	75	89	97	112	52
AC-FT	6,680	13,000	9,640	24,360	17,090	16,440	10,750	7,130	37,930	36,360	28,110	6,260

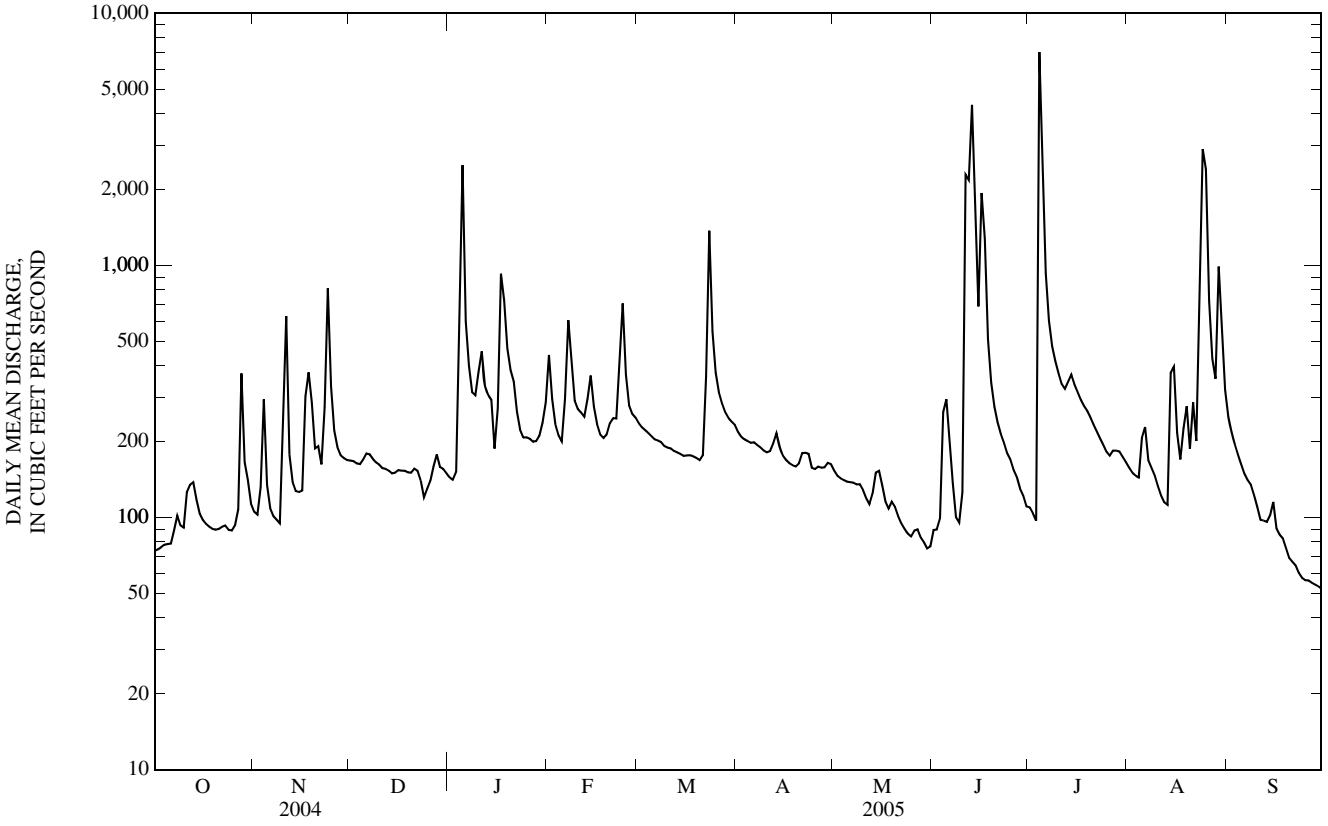
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2005, BY WATER YEAR (WY)

MEAN	239	238	134	130	177	359	299	484	458	254	123	188
MAX	1,894	1,923	467	396	752	1,907	1,184	2,690	2,055	1,496	457	1,172
(WY)	(1986)	(1999)	(1998)	(2005)	(2001)	(2000)	(1999)	(1993)	(1951)	(1951)	(2005)	(1977)
MIN	0.00	0.00	13.7	15.4	30.3	32.0	26.9	24.0	12.9	0.80	0.00	0.00
(WY)	(1957)	(1957)	(1955)	(1957)	(1957)	(1955)	(1955)	(1956)	(1953)	(1954)	(1956)	(1956)

07151500 CHIKASKIA RIVER NEAR CORBIN, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1951 - 2005	
ANNUAL MEAN	369		295		257	
HIGHEST ANNUAL MEAN					609	1951
LOWEST ANNUAL MEAN					40.0	1954
HIGHEST DAILY MEAN	10,800	Mar 5	7,020	Jul 4	27,800	Oct 11, 1985
LOWEST DAILY MEAN	60	Sep 20	52	Sep 30	0.00	Jun 27, 1953
ANNUAL SEVEN-DAY MINIMUM	63	Sep 16	55	Sep 24	0.00	Sep 16, 1953
MAXIMUM PEAK FLOW			e15,300	Jul 4	39,300	Oct 11, 1985
MAXIMUM PEAK STAGE			14.81	Jul 4	22.90	Nov 1, 1998
INSTANTANEOUS LOW FLOW			51	Sep 30	0.00	at times
ANNUAL RUNOFF (AC-FT)	268,000		213,700		186,200	
10 PERCENT EXCEEDS	520		407		437	
50 PERCENT EXCEEDS	174		176		101	
90 PERCENT EXCEEDS	89		90		20	

e Estimated



07155590 CIMARRON RIVER NEAR ELKHART, KS

LOCATION.--Lat 37°07'19", long 101°53'51", in NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec.4, T.34 S., R.42 W., Morton County, Hydrologic Unit 11040002, Cimarron National Grasslands, on left bank at downstream side of bridge on Kansas Highway 27, 8.0 mi north of Elkhart, and at mile 499.4.

DRAINAGE AREA.--2,899 mi^2, of which 483 mi^2 does not contribute directly to surface runoff.

PERIOD OF RECORD.--April 1971 to current year.

REVISED RECORDS.--WDR KS-84-1: 1983.

GAGE.--Water-stage recorder. Datum of gage is 3,376.89 ft above NGVD of 1929. Prior to May 25, 1999, at datum 5.0 ft higher.

REMARKS.--Records 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)
Aug 23	2130	*1.3	*6.44

Date	Time	Discharge (ft^3/s)	Gage height (ft)
No peak greater than base discharge.			

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

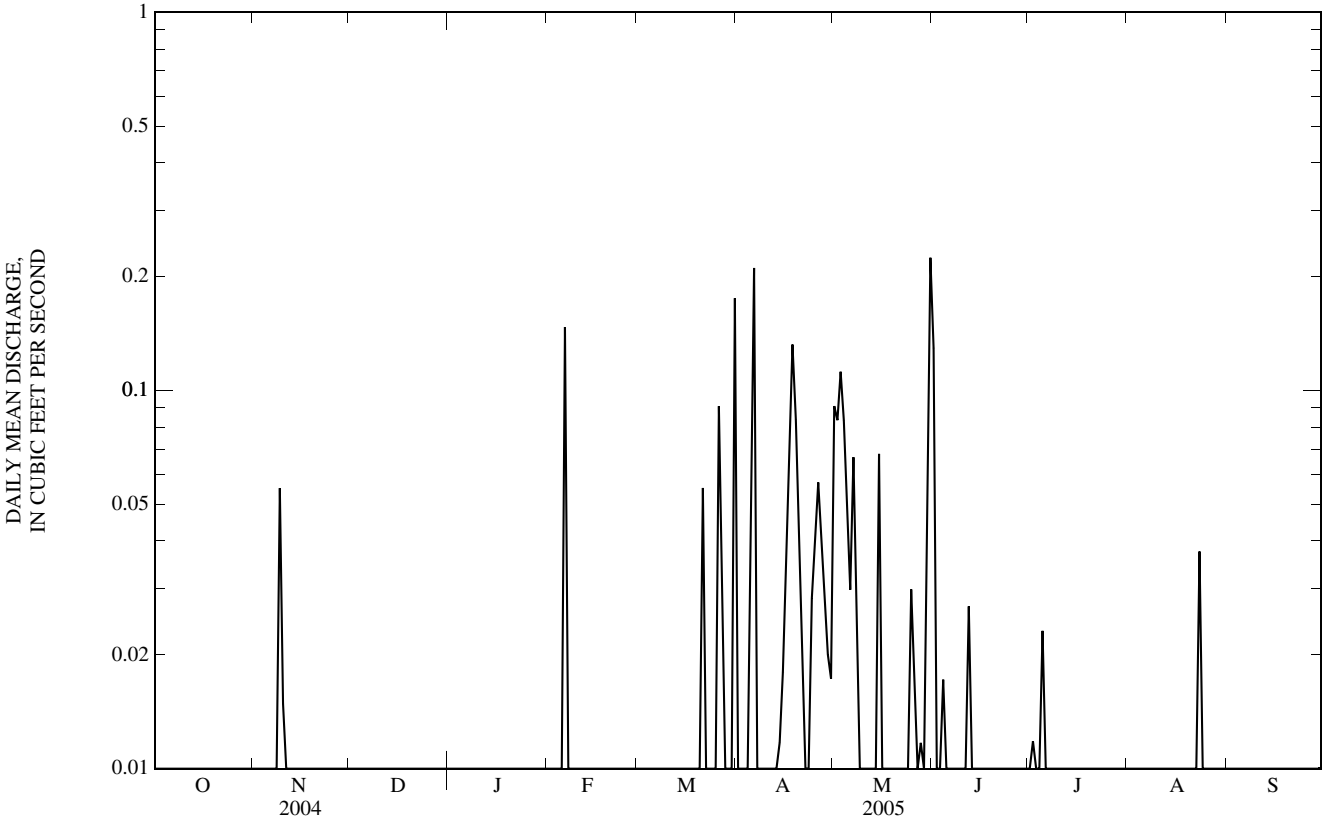
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.01	0.01	0.00	0.01	0.01	0.01	0.09	0.13	0.01	0.00	0.00
2	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.00	0.01	0.00	0.00
3	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.11	0.00	0.00	0.00	0.00
4	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.08	0.02	0.01	0.00	0.00
5	0.00	0.01	0.01	0.01	0.01	0.00	0.06	0.05	0.00	0.02	0.01	0.00
6	0.00	0.00	0.01	0.01	0.15	0.00	0.21	0.03	0.00	0.01	0.00	0.00
7	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.07	0.00	0.00	0.00	0.01
8	0.00	0.01	0.01	0.01	0.01	0.00	0.01	0.02	0.00	0.00	0.00	0.01
9	0.00	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.01	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01
11	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.01
12	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.01
13	0.01	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
14	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
15	0.01	0.00	0.00	0.01	0.01	0.01	0.02	0.07	0.01	0.00	0.00	0.01
16	0.00	0.01	0.01	0.01	0.01	0.00	0.04	0.00	0.00	0.00	0.00	0.01
17	0.00	0.00	0.01	0.01	0.00	0.01	0.08	0.00	0.00	0.00	0.01	0.00
18	0.00	0.01	0.00	0.00	0.01	0.00	0.13	0.00	0.00	0.00	0.00	0.00
19	0.00	0.01	0.01	0.00	0.00	0.01	0.08	0.00	0.00	0.00	0.00	0.00
20	0.00	0.01	0.00	0.01	0.00	0.01	0.04	0.00	0.00	0.00	0.00	0.00
21	0.00	0.01	0.01	0.01	0.01	0.06	0.02	0.00	0.00	0.01	0.00	0.00
22	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
23	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.04	0.00
24	0.00	0.00	0.01	0.01	0.01	0.01	0.03	0.00	0.00	0.00	0.00	0.00
25	0.01	0.01	0.00	0.00	0.00	0.01	0.04	0.03	0.00	0.01	0.00	0.01
26	0.00	0.00	0.00	0.00	0.01	0.09	0.06	0.02	0.00	0.00	0.00	0.00
27	0.00	0.01	0.00	0.01	0.01	0.04	0.04	0.00	0.00	0.01	0.01	0.00
28	0.00	0.01	0.01	0.00	0.00	0.01	0.03	0.01	0.01	0.00	0.01	0.00
29	0.00	0.01	0.01	0.00	---	0.00	0.02	0.01	0.00	0.00	0.00	0.00
30	0.00	0.01	0.00	0.01	---	0.01	0.02	0.02	0.00	0.01	0.00	0.00
31	0.00	---	0.01	0.01	---	0.18	---	0.22	---	0.00	0.00	---
MEAN	0.00	0.01	0.01	0.01	0.01	0.02	0.03	0.03	0.01	0.00	0.00	0.00
MAX	0.01	0.06	0.01	0.01	0.15	0.18	0.21	0.22	0.13	0.02	0.04	0.01
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
AC-FT	0.08	0.5	0.4	0.5	0.7	1.1	2.0	1.8	0.4	0.2	0.2	0.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2005, BY WATER YEAR (WY)

MEAN	0.05	0.05	0.21	0.33	0.25	0.59	5.53	30.7	25.0	11.7	27.8	6.92
MAX	1.12	1.52	6.88	10.3	7.06	16.9	107	519	368	113	239	102
(WY)	(1974)	(1998)	(1998)	(1998)	(1998)	(1998)	(1977)	(1977)	(1978)	(1977)	(1997)	(1973)
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)	(1972)	(1972)	(1972)	(1972)	(1972)	(1972)	(1972)	(1985)	(1983)	(1974)	(1978)	(1972)

07155590 CIMARRON RIVER NEAR ELKHART, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1972 - 2005	
ANNUAL MEAN	0.03		0.01		9.16	
HIGHEST ANNUAL MEAN					82.6	1977
LOWEST ANNUAL MEAN					0.00	1985
HIGHEST DAILY MEAN	5.0	Jun 26	0.22	May 31	6,190	May 26, 1977
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1971
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Oct 1, 1971
MAXIMUM PEAK FLOW			1.3	Aug 23	21,500	May 26, 1977
MAXIMUM PEAK STAGE			6.44	Aug 23	9.17	May 26, 1977
INSTANTANEOUS LOW FLOW			0.00	Oct 1	0.00	most years
ANNUAL RUNOFF (AC-FT)	21		8.0		6,640	
10 PERCENT EXCEEDS	0.01		0.02		0.82	
50 PERCENT EXCEEDS	0.00		0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	



07157500 CROOKED CREEK NEAR ENGLEWOOD, KS

LOCATION.--Lat 37°01'54", long 100°12'29", in SE ¼ NW ¼ sec.1, T.35 S., R.27 W., Meade County, Hydrologic Unit 11040007, on right bank at downstream side of county highway bridge, 11.5 mi west of Englewood, and at mile 14.0.

DRAINAGE AREA.--1,157 mi^2, of which 344 mi^2 is probably noncontributing.

PERIOD OF RECORD.--August 1942 to current year. Published as "near Nye" August 1942 to September 1995. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1117: Drainage area. WSP 1211: 1950. WSP 1311: 1949(M).

GAGE.--Water-stage recorder. Datum of gage is 2,163.79 ft above NGVD of 1929. Prior to Sept. 12, 1942, nonrecording gage at same site and datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Extensive diversion for irrigation upstream from station. Satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jun 19	0415	*149	*5.85	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	5.2	7.4	9.0	8.1	11	9.6	10	7.9	7.4	27	4.6	4.6
2	5.2	9.0	8.8	8.1	11	9.2	10	8.0	7.0	28	4.3	4.5
3	5.2	8.5	8.7	8.9	11	9.0	10	7.6	6.7	23	4.1	4.4
4	6.4	8.0	8.6	e8.8	11	8.9	9.9	7.5	6.6	21	4.1	4.1
5	5.5	7.6	8.6	e8.4	11	8.8	10	7.4	6.2	18	4.6	3.8
6	6.8	7.4	8.5	e9.0	13	8.8	10	7.3	6.0	17	4.5	3.7
7	6.8	7.2	8.4	9.3	14	8.5	11	7.2	5.9	16	4.5	5.2
8	6.3	7.1	8.3	9.1	14	8.5	11	7.1	5.5	15	4.7	5.0
9	6.0	7.1	8.2	9.0	13	8.2	11	6.9	5.4	14	4.2	4.7
10	5.9	7.6	8.0	9.1	13	8.0	11	6.6	10	13	4.0	4.3
11	6.7	7.8	8.0	9.1	13	7.7	11	6.6	14	13	3.8	4.5
12	7.0	7.4	8.0	9.1	13	7.6	11	6.6	16	12	4.3	5.0
13	6.9	7.4	8.0	9.1	12	7.4	11	6.7	18	12	5.9	4.6
14	6.6	7.8	8.1	9.1	12	7.4	11	6.6	22	11	6.1	4.6
15	6.4	7.9	8.1	e8.8	12	7.4	10	6.5	29	11	6.0	4.7
16	6.3	7.8	8.0	e8.0	11	7.2	10	6.4	43	10	5.7	4.5
17	6.2	8.1	8.0	e9.0	11	7.3	10	6.2	88	10	5.4	4.4
18	6.2	8.2	7.8	e9.4	11	7.2	12	6.0	138	9.5	4.9	4.1
19	6.2	8.0	7.8	9.2	11	7.4	13	5.8	145	9.2	4.3	4.0
20	6.2	8.1	8.1	9.2	11	7.7	11	5.6	131	8.6	4.3	4.1
21	6.1	8.4	7.9	9.2	11	8.1	10	5.3	113	8.1	5.1	3.8
22	6.2	8.4	7.7	9.4	11	8.6	9.4	5.0	93	7.5	6.3	3.6
23	6.5	9.0	e7.4	9.3	11	8.8	9.0	4.9	76	7.0	6.3	3.6
24	6.5	9.9	e6.8	9.3	11	8.8	8.7	4.8	64	6.7	8.0	3.5
25	6.6	10	e7.6	9.3	10	8.9	8.8	5.6	53	6.3	6.8	3.5
26	6.7	9.6	8.2	9.3	10	9.0	8.2	6.1	44	6.2	6.1	3.4
27	6.7	9.6	8.0	9.5	10	8.8	7.8	6.0	37	6.1	5.8	3.4
28	6.7	9.5	7.9	9.9	9.8	8.7	7.9	5.8	31	5.8	5.7	3.4
29	6.8	9.3	8.0	9.8	---	8.8	7.8	6.0	27	5.5	5.4	3.4
30	7.0	9.1	8.1	10	---	9.4	7.8	5.9	24	5.2	5.2	3.5
31	7.0	---	8.1	11	---	11	---	6.9	---	4.9	4.8	---
MEAN	6.35	8.27	8.09	9.15	11.5	8.41	9.98	6.41	42.4	11.9	5.15	4.13
MAX	7.0	10	9.0	11	14	11	13	8.0	145	28	8.0	5.2
MIN	5.2	7.1	6.8	8.0	9.8	7.2	7.8	4.8	5.4	4.9	3.8	3.4
AC-FT	390	492	497	563	640	517	594	394	2,520	729	317	246

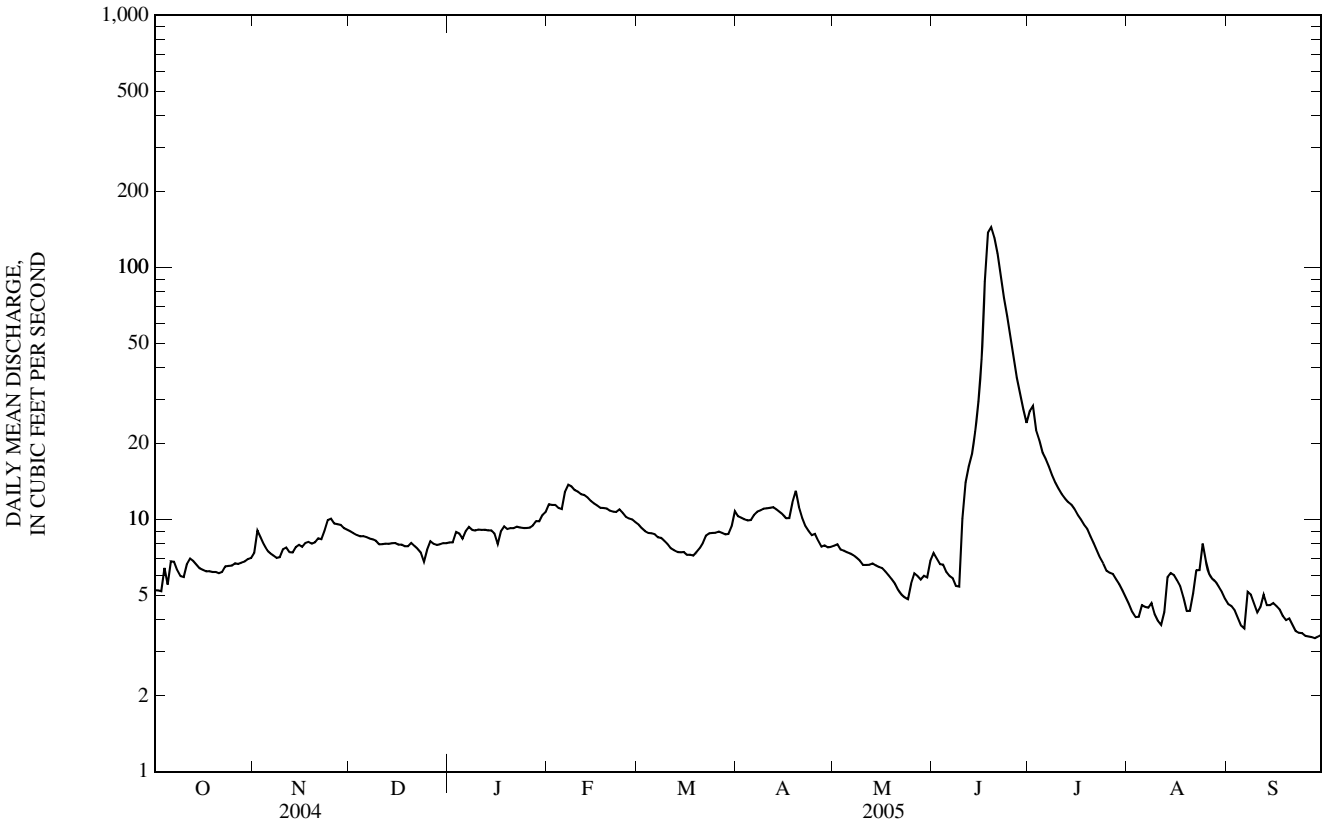
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2005, BY WATER YEAR (WY)

MEAN	24.3	16.9	13.9	14.8	16.5	25.6	36.9	70.3	38.6	32.4	28.9	25.3
MAX	463	176	32.6	34.1	74.9	528	582	1,233	325	375	453	224
(WY)	(1950)	(1972)	(1974)	(1954)	(1949)	(1973)	(1973)	(1955)	(1949)	(1950)	(1950)	(1950)
MIN	0.00	1.22	5.13	4.98	4.47	3.48	4.74	3.71	0.60	0.00	0.00	0.00
(WY)	(1957)	(1957)	(2002)	(2002)	(2002)	(2002)	(2002)	(1956)	(1956)	(1952)	(1956)	(1943)

07157500 CROOKED CREEK NEAR ENGLEWOOD, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1943 - 2005	
ANNUAL MEAN	7.43		10.9		28.8	
HIGHEST ANNUAL MEAN					176	1951
LOWEST ANNUAL MEAN					4.48	2002
HIGHEST DAILY MEAN	80	Apr 20	145	Jun 19	12,700	May 20, 1955
LOWEST DAILY MEAN	1.7	Jun 14	3.4	Sep 26	0.00	Jul 23, 1943
ANNUAL SEVEN-DAY MINIMUM	2.1	Jun 9	3.4	Sep 24	0.00	Jul 23, 1943
MAXIMUM PEAK FLOW			149	Jun 19	13,600	May 20, 1955
MAXIMUM PEAK STAGE			5.85	Jun 19	9.00	Aug 31, 1963
INSTANTANEOUS LOW FLOW			3.0	Sep 27	0.00	most years
ANNUAL RUNOFF (AC-FT)	5,390		7,900		20,860	
10 PERCENT EXCEEDS	10		13		31	
50 PERCENT EXCEEDS	7.1		8.0		11	
90 PERCENT EXCEEDS	4.2		4.6		2.4	

e Estimated



07166500 VERDIGRIS RIVER NEAR ALTOONA, KS

LOCATION.--Lat 37°29'25", long 95°40'47", in SE $^1/_4$ NE $^1/_4$ SW $^1/_4$ sec.29, T.29 S., R.16 E., Wilson County, Hydrologic Unit 11070101, on left bank at downstream side of county highway bridge, 2.5 mi southwest of Altoona, 2.5 mi downstream from Big Cedar Creek, and at mile 227.9.

DRAINAGE AREA.--1,138 mi^2.

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1117: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 780.18 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to Sept. 9, 1944, nonrecording gage at same site and datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Considerable regulation since 1960 by Toronto Lake (station 07165900), 43.6 mi upstream. Diversion from Altoona Reservoir upstream from station for municipal supply of Altoona and considerable diversion for irrigation 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	30	64	2,180	118	1,170	485	1,250	59	316	2,790	31	e4,860
2	26	444	2,030	118	1,030	456	694	55	194	2,710	46	e4,430
3	22	453	1,920	120	978	439	233	52	630	2,120	41	e4,170
4	20	1,940	1,030	1,490	775	430	217	51	4,540	2,410	30	e3,690
5	20	646	855	9,580	695	417	214	51	6,070	2,610	22	e2,340
6	18	316	2,520	6,620	723	407	214	59	2,610	2,120	18	e2,260
7	21	370	1,820	1,760	1,040	402	253	55	3,640	2,630	14	e2,260
8	156	331	1,310	2,140	974	389	293	49	4,100	3,600	17	e2,280
9	134	310	1,170	2,250	887	384	290	64	4,080	4,270	40	e1,680
10	49	334	1,140	3,450	1,050	311	290	72	4,020	4,460	37	e1,010
11	35	2,690	1,070	2,760	1,090	215	293	68	5,910	4,340	25	e461
12	38	1,960	1,040	2,460	1,070	210	578	195	7,090	3,770	17	e165
13	100	1,200	1,010	2,640	1,400	201	1,110	569	7,750	2,030	13	573
14	63	1,470	984	2,180	1,850	196	1,200	2,330	8,920	749	87	1,100
15	39	e1,430	961	1,650	1,290	183	682	1,570	7,070	323	296	1,100
16	28	e1,370	451	1,620	1,160	126	136	1,270	6,420	124	131	1,080
17	21	e1,350	234	1,570	1,110	115	76	2,070	6,470	102	68	1,070
18	16	1,330	216	1,570	1,080	115	52	2,280	6,300	99	41	1,060
19	10	996	148	1,420	1,060	106	43	3,520	6,470	107	29	1,040
20	8.9	405	135	1,430	1,080	74	40	2,470	6,470	110	104	346
21	8.2	266	131	1,430	1,080	61	39	1,190	6,310	101	298	463
22	8.8	251	128	1,400	1,050	459	38	1,100	6,120	57	129	1,360
23	10	286	117	1,360	1,200	1,440	33	1,440	5,870	34	77	674
24	10	3,420	90	1,340	1,780	958	33	3,040	5,600	27	78	79
25	14	3,150	88	1,340	1,310	1,390	37	4,160	4,990	44	e4,950	30
26	16	1,950	104	1,570	741	1,410	37	1,130	3,910	52	e19,900	20
27	14	1,640	110	1,600	528	1,370	83	802	3,600	43	e18,300	18
28	56	1,510	113	1,570	508	1,340	344	518	3,410	29	e10,800	17
29	499	1,500	119	1,550	---	1,320	95	371	2,750	22	e4,240	16
30	137	2,240	119	1,540	---	1,300	65	338	2,410	19	e4,610	15
31	70	---	118	1,540	---	1,270	---	318	---	17	e5,050	---
MEAN	54.8	1,187	757	2,038	1,061	580	299	1,010	4,801	1,352	2,243	1,322
MAX	499	3,420	2,520	9,580	1,850	1,440	1,250	4,160	8,920	4,460	19,900	4,860
MIN	8.2	64	88	118	508	61	33	49	194	17	13	15
AC-FT	3,370	70,660	46,530	125,300	58,930	35,660	17,780	62,120	285,700	83,150	137,900	78,680

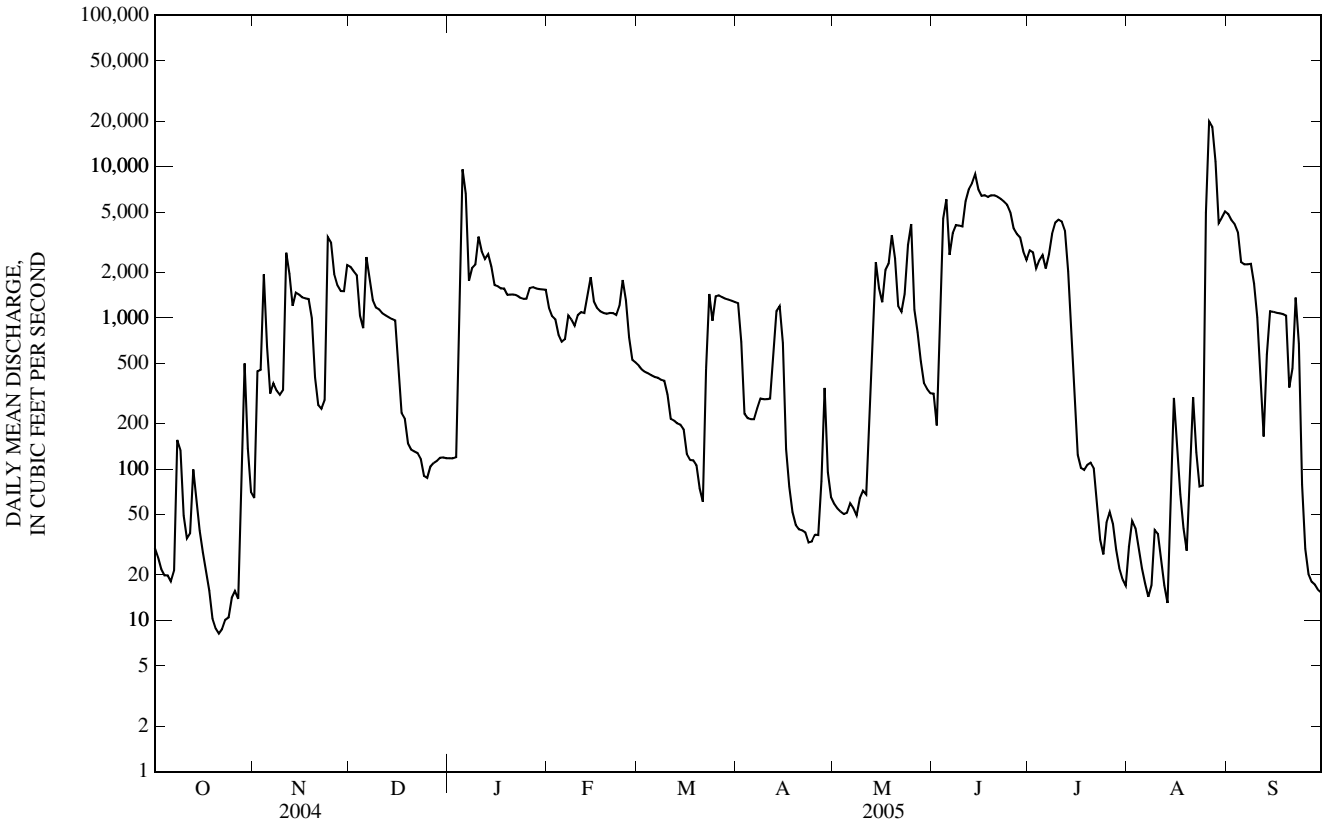
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2005, BY WATER YEAR (WY)

MEAN	621	660	452	384	533	1,055	1,220	1,157	1,394	877	291	525
MAX	6,663	6,814	3,297	2,242	2,654	5,062	6,006	6,826	4,841	11,000	2,243	5,119
(WY)	(1987)	(1999)	(1993)	(1973)	(1949)	(1973)	(1944)	(1961)	(1995)	(1951)	(2005)	(1961)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.02	26.3	2.52	4.13	0.00	0.00
(WY)	(1940)	(1957)	(1956)	(1940)	(1957)	(1957)	(1956)	(1964)	(1953)	(1954)	(1953)	(1956)

07166500 VERDIGRIS RIVER NEAR ALTOONA, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1939 - 2005	
ANNUAL MEAN	1,152		1,389		770	
HIGHEST ANNUAL MEAN					1,903	1951
LOWEST ANNUAL MEAN					20.9	1953
HIGHEST DAILY MEAN	12,400	Mar 5	19,900	Aug 26	57,000	Jul 13, 1951
LOWEST DAILY MEAN	8.2	Oct 21	8.2	Oct 21	0.00	Jul 22, 1939
ANNUAL SEVEN-DAY MINIMUM	10	Oct 19	10	Oct 19	0.00	Jul 25, 1939
MAXIMUM PEAK FLOW			26,400	Aug 26	71,000	Jul 12, 1951
MAXIMUM PEAK STAGE			27.85	Aug 26	31.09	Jul 12, 1951
INSTANTANEOUS LOW FLOW			8.0	Oct 20	0.00	at times
ANNUAL RUNOFF (AC-FT)	836,100		1,006,000		557,900	
10 PERCENT EXCEEDS	3,170		3,950		2,290	
50 PERCENT EXCEEDS	713		578		113	
90 PERCENT EXCEEDS	30		30		6.4	

e Estimated



07167500 OTTER CREEK AT CLIMAX, KS

LOCATION.--Lat 37°42'29", long 96°13'24", in SW ¼ SW ¼ SE ¼ sec.8, T.27 S., R.11 E., Greenwood County, Hydrologic Unit 11070102, on right bank at downstream side of bridge on Kansas Highway 99, 0.5 mi south of Climax, 5.2 mi upstream from mouth, and 5.5 mi downstream from confluence of North and South Branches.

DRAINAGE AREA.--129 mi^2.

PERIOD OF RECORD.--August 1946 to current year.

GAGE.--Water-stage recorder. Datum of gage is 977.76 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers).

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 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)
Mar 22	1400	6,020	14.87	Jun 11	1300	14,700	23.48
Jun 4	1100	39,100	27.42	Jun 12	2115	9,030	18.49
Jun 5	0445	15,500	23.89	Aug 25	0845	*43,700	*28.39

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

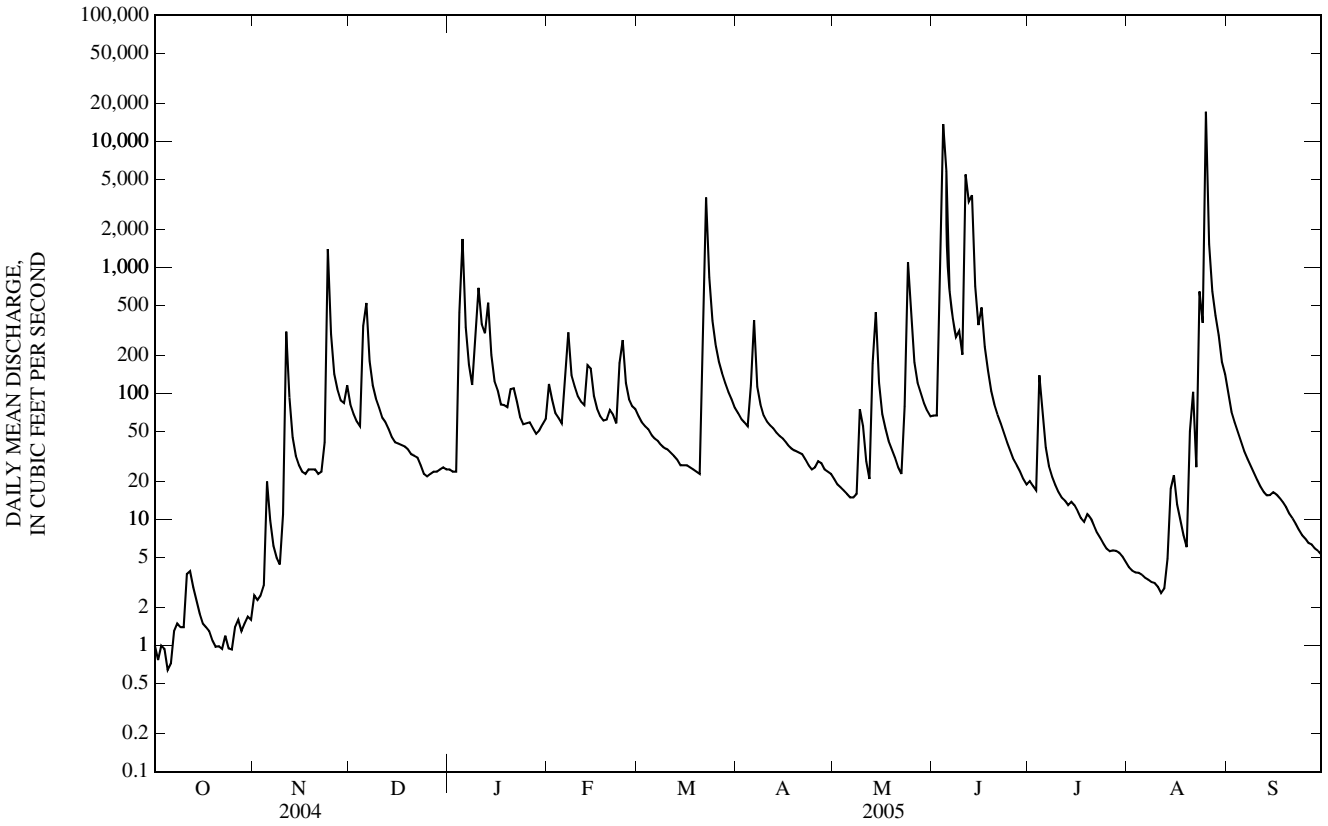
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	2.5	82	25	119	66	70	21	67	20	4.2	102
2	0.77	2.3	69	24	89	59	63	19	67	18	3.9	72
3	1.0	2.5	60	24	70	55	59	18	1,040	17	3.8	59
4	0.94	3.0	55	438	64	52	55	17	13,700	139	3.8	50
5	0.64	20	343	1,680	58	47	116	16	5,800	76	3.7	42
6	0.72	9.8	523	336	128	44	382	15	647	37	3.5	35
7	1.3	6.2	181	169	306	42	113	15	393	27	3.3	30
8	1.5	5.0	116	117	140	39	82	16	280	22	3.2	27
9	1.4	4.4	91	301	114	37	67	75	313	19	3.1	23
10	1.4	11	77	690	95	36	60	55	203	17	2.9	21
11	3.7	310	64	355	86	34	56	29	5,460	15	2.6	18
12	3.9	93	59	301	81	32	53	21	3,320	14	2.8	17
13	2.9	45	52	525	168	30	49	174	3,730	13	4.9	16
14	2.3	32	45	202	158	27	46	442	713	14	18	16
15	1.8	27	41	125	96	27	44	122	349	13	22	16
16	1.5	24	40	106	76	27	41	69	482	12	13	16
17	1.4	23	39	82	66	26	38	53	234	10	10	15
18	1.3	25	38	81	61	25	36	42	152	9.6	7.5	14
19	1.1	25	36	78	62	24	35	36	105	11	6.0	13
20	0.98	25	33	108	74	23	34	31	82	10	50	11
21	0.99	23	32	110	68	364	33	26	68	9.1	103	10
22	0.94	24	31	86	58	3,590	30	23	58	7.9	26	9.3
23	1.2	41	27	65	174	837	27	79	49	7.2	645	8.3
24	0.95	1,400	23	57	265	376	25	1,100	41	6.4	363	7.5
25	0.93	296	22	58	121	242	26	461	35	5.9	17,200	7.1
26	1.4	143	23	59	90	179	29	177	30	5.6	1,540	6.5
27	1.6	108	24	53	79	145	28	122	27	5.7	646	6.3
28	1.3	88	24	48	75	121	25	101	24	5.6	415	5.9
29	1.5	84	25	51	---	103	24	84	21	5.4	290	5.6
30	1.7	116	26	57	---	90	23	73	19	5.1	178	5.3
31	1.6	---	25	63	---	77	---	66	---	4.6	142	---
MEAN	1.47	101	75.0	209	109	222	59.0	116	1,250	18.8	701	22.8
MAX	3.9	1,400	523	1,680	306	3,590	382	1,100	13,700	139	17,200	102
MIN	0.64	2.3	22	24	58	23	23	15	19	4.6	2.6	5.3
AC-FT	91	5,990	4,610	12,840	6,030	13,640	3,510	7,140	74,400	1,150	43,080	1,360

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2005, BY WATER YEAR (WY)

MEAN	53.0	84.0	43.1	40.9	67.1	126	147	134	170	73.9	30.8	54.3
MAX	644	1,068	255	235	370	689	1,325	762	1,250	798	701	596
(WY)	(1987)	(1999)	(1993)	(1973)	(1985)	(1973)	(1994)	(1961)	(2005)	(1976)	(2005)	(1961)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.96	0.09	0.00	0.00	0.00
(WY)	(1954)	(1954)	(1954)	(1954)	(1954)	(1956)	(1981)	(1996)	(1953)	(1953)	(1953)	(1953)

07167500 OTTER CREEK AT CLIMAX, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1947 - 2005	
ANNUAL MEAN	135		240		85.2	
HIGHEST ANNUAL MEAN					240	2005
LOWEST ANNUAL MEAN					0.55	1953
HIGHEST DAILY MEAN	8,030	Mar 4	17,200	Aug 25	21,700	Jul 3, 1976
LOWEST DAILY MEAN	0.64	Oct 5	0.64	Oct 5	0.00	Jun 12, 1953
ANNUAL SEVEN-DAY MINIMUM	0.88	Sep 30	0.91	Oct 1	0.00	Jun 12, 1953
MAXIMUM PEAK FLOW			43,700	Aug 25	107,000	Jul 3, 1976
MAXIMUM PEAK STAGE			28.39	Aug 25	31.47	Jul 3, 1976
INSTANTANEOUS LOW FLOW			0.49	Oct 5	0.00	at times
ANNUAL RUNOFF (AC-FT)	97,860		173,800		61,730	
10 PERCENT EXCEEDS	234		308		122	
50 PERCENT EXCEEDS	31		36		10	
90 PERCENT EXCEEDS	1.6		3.1		0.00	



07169500 FALL RIVER AT FREDONIA, KS

LOCATION.--Lat 37°30'30", long 95°50'00", in SW ¼ SW ¼ NW ¼ sec.24, T.29 S., R.14 E., Wilson County, Hydrologic Unit 11070102, on right bank at downstream side of bridge on Kansas Highway 96, 0.8 mi upstream from Clear Creek, 1.0 mi downstream from Salt Creek, 1.0 mi south of Fredonia, and at mile 25.3.

DRAINAGE AREA.--827 mi^2.

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for October and November 1938, published in WSP 1311. Published as "near Fredonia" 1952-57.

REVISED RECORDS.--WSP 1117: Drainage area. WSP 1341: 1939-40.

GAGE.--Water-stage recorder. Datum of gage is 819.09 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to Dec. 21, 1949, nonrecording gage at same site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Considerable regulation since 1949 by Fall River Lake (station 07168000), 28.9 mi upstream, and during low flow by Fredonia City Water Reservoir, 1.0 mi upstream. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1904, 36.17 ft, Apr. 16, 1945, site and datum then in use.

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	187	38	1,590	32	1,400	660	1,790	31	424	3,250	46	4,220
2	186	81	1,540	30	1,320	640	1,790	29	422	3,160	39	4,130
3	185	158	1,460	32	704	617	1,760	27	1,140	3,120	21	4,050
4	184	353	742	1,200	669	455	1,720	26	5,860	2,620	17	3,340
5	183	84	860	6,830	660	436	1,260	25	3,360	1,060	16	336
6	179	59	1,380	1,370	699	427	817	25	2,190	794	16	1,720
7	124	99	1,170	1,370	939	422	891	24	3,240	604	43	3,600
8	110	93	876	1,380	790	421	937	24	3,220	2,030	51	3,690
9	59	88	789	1,610	754	408	919	39	3,180	3,670	42	3,670
10	54	157	772	2,470	697	156	905	57	3,160	3,780	19	2,890
11	84	2,000	e740	1,830	667	55	822	57	5,300	3,730	12	510
12	110	641	e700	1,630	661	49	182	303	3,860	3,670	12	95
13	67	612	656	1,810	884	43	59	489	6,470	3,610	16	2,210
14	55	615	648	1,430	927	39	50	912	3,250	3,390	71	2,520
15	53	606	640	1,300	740	37	46	1,060	3,790	2,290	68	3,490
16	53	585	619	1,250	677	37	44	1,040	4,320	1,080	48	3,550
17	52	574	304	1,270	652	37	42	1,620	4,860	992	24	3,690
18	52	576	246	1,250	637	36	41	1,750	4,410	981	17	3,660
19	54	580	238	1,200	638	35	152	1,720	4,180	966	16	3,610
20	46	568	236	1,220	645	33	251	1,110	4,100	950	721	3,570
21	19	556	232	1,450	645	39	212	528	4,030	377	529	3,550
22	11	548	226	1,450	634	3,290	242	514	3,520	228	165	3,700
23	8.6	595	219	1,430	929	2,750	237	566	2,250	138	134	3,630
24	8.5	2,510	186	1,410	1,300	1,940	235	2,250	949	116	410	2,550
25	8.7	1,400	228	1,400	855	2,340	240	2,670	2,620	114	6,060	1,790
26	11	1,050	225	1,390	726	2,290	107	1,140	3,840	70	8,360	1,660
27	11	954	217	1,370	689	2,220	39	932	3,850	28	2,410	1,050
28	20	905	116	1,360	679	2,090	36	537	3,730	20	4,010	241
29	41	966	39	1,350	---	919	36	483	3,740	18	4,400	227
30	19	1,600	35	1,340	---	879	33	458	3,690	18	4,370	224
31	12	---	33	1,350	---	1,480	---	435	---	39	4,300	---
MEAN	72.5	655	579	1,478	793	815	530	674	3,432	1,513	1,176	2,572
MAX	187	2,510	1,590	6,830	1,400	3,290	1,790	2,670	6,470	3,780	8,360	4,220
MIN	8.5	38	33	30	634	33	33	24	422	18	12	95
AC-FT	4,460	38,980	35,630	90,870	44,070	50,140	31,530	41,420	204,200	93,050	72,320	153,100

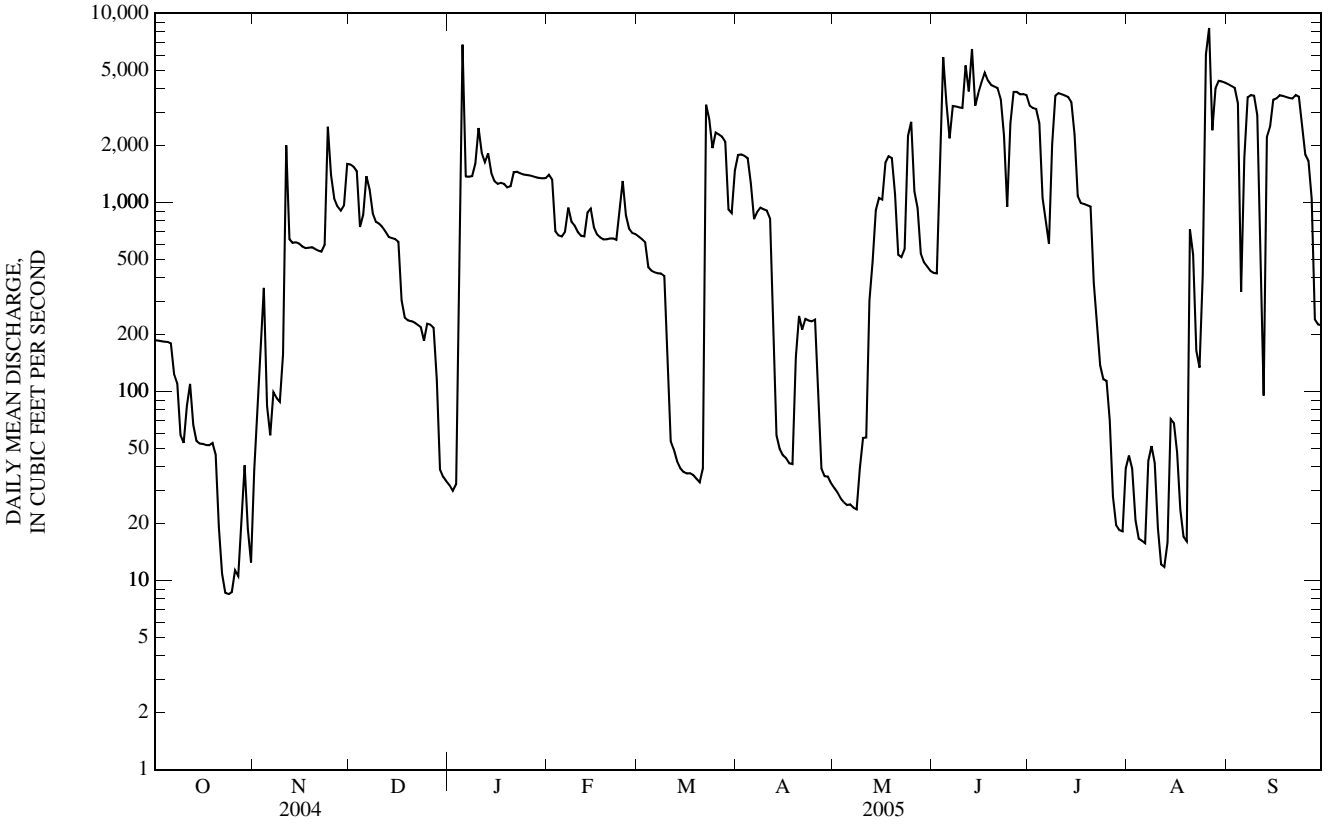
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2005, BY WATER YEAR (WY)

MEAN	385	422	318	286	367	760	896	806	901	558	166	355
MAX	4,332	3,899	2,060	1,954	2,005	3,551	4,517	5,487	3,806	6,435	1,231	3,387
(WY)	(1987)	(1999)	(1993)	(1993)	(1949)	(1973)	(1944)	(1961)	(1957)	(1951)	(1950)	(1961)
MIN	0.00	0.00	1.16	0.00	0.79	1.59	0.91	18.7	10.3	1.52	1.96	0.47
(WY)	(1940)	(1940)	(1940)	(1940)	(1940)	(1981)	(1981)	(1967)	(1954)	(1940)	(1946)	(1939)

07169500 FALL RIVER AT FREDONIA, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1939 - 2005	
ANNUAL MEAN	796		1,188		518	
HIGHEST ANNUAL MEAN					1,286	1999
LOWEST ANNUAL MEAN					16.5	1953
HIGHEST DAILY MEAN	11,100	Mar 5	8,360	Aug 26	39,300	Apr 16, 1945
LOWEST DAILY MEAN	2.9	Sep 16	8.5	Oct 24	0.00	Aug 6, 1939
ANNUAL SEVEN-DAY MINIMUM	4.0	Sep 14	11	Oct 21	0.00	Sep 7, 1939
MAXIMUM PEAK FLOW			11,800	Aug 26	49,000	Apr 16, 1945
MAXIMUM PEAK STAGE			22.16	Aug 26	36.17	Apr 16, 1945
INSTANTANEOUS LOW FLOW			8.0	Oct 25	0.00	at times
ANNUAL RUNOFF (AC-FT)	578,200		859,700		375,300	
10 PERCENT EXCEEDS	2,440		3,620		1,470	
50 PERCENT EXCEEDS	315		656		77	
90 PERCENT EXCEEDS	11		33		8.4	

e Estimated



07169800 ELK RIVER AT ELK FALLS, KS

LOCATION.--Lat 37°22'32", long 96°11'07", in SW ¼ SE ¼ SE ¼ sec.3, T.31 S., R.11 E., Elk County, Hydrologic Unit 11070104, on left bank at downstream side of bridge on U.S. Highway 160 in Elk Falls, 2.0 mi upstream from Wildcat Creek, and at mile 57.5.

DRAINAGE AREA.--220 mi^2.

PERIOD OF RECORD.--January 1967 to current year.

GAGE.--Water-stage recorder. Datum of gage is 897.30 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers).

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 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 22	1800	5,290	11.13	Jun 11	1800	*6,860	*13.40
May 24	1900	6,270	12.64	Jun 13	0400	6,260	12.49
Jun 4	1300	4,860	10.46				

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	1.6	8.2	139	58	117	112	103	32	98	38	6.0	66
2	1.8	9.0	127	56	127	101	95	30	87	36	5.6	52
3	1.7	10	116	58	108	95	88	27	86	32	5.4	40
4	1.7	9.8	108	432	96	98	81	26	3,170	51	5.2	31
5	1.7	10	113	3,250	88	82	78	24	2,930	68	5.0	24
6	1.7	13	253	1,760	98	77	154	24	1,610	60	4.8	19
7	2.1	16	267	549	282	74	127	23	1,000	49	4.7	16
8	3.0	15	210	249	215	69	94	22	738	41	4.7	14
9	3.4	15	172	273	169	65	83	31	566	35	4.4	12
10	4.5	15	151	997	135	64	77	42	390	30	4.5	11
11	8.5	67	132	674	119	61	72	44	3,160	27	4.1	9.4
12	9.8	72	121	446	110	58	68	36	3,400	24	3.8	8.1
13	9.4	50	112	733	141	55	63	33	5,040	23	3.9	7.8
14	6.8	41	102	382	212	52	59	93	2,610	25	e4.2	9.8
15	5.4	35	94	213	155	50	57	140	1,240	22	4.5	11
16	4.2	32	91	165	120	50	54	96	596	19	7.8	10
17	4.3	30	87	131	104	50	52	73	1,420	17	6.6	8.8
18	5.1	30	85	114	95	49	50	59	720	16	5.6	7.5
19	5.2	31	83	106	91	46	48	58	334	14	4.8	6.5
20	5.2	30	79	106	95	44	46	48	224	13	193	5.7
21	5.1	29	76	109	96	74	45	41	170	12	207	5.3
22	4.9	28	73	106	91	3,510	44	34	137	11	60	5.0
23	4.9	31	67	91	175	2,580	40	1,310	112	10	32	4.7
24	4.8	364	62	84	603	1,080	36	2,730	93	9.3	26	4.2
25	4.8	402	60	82	289	512	34	2,540	78	8.6	405	3.8
26	5.3	255	59	81	181	301	36	978	67	7.9	1,270	3.8
27	5.7	191	59	77	142	221	37	423	58	7.7	908	3.8
28	6.1	153	60	74	128	180	36	246	52	7.1	454	4.0
29	6.1	142	60	76	---	152	35	176	46	6.5	198	3.8
30	5.8	149	62	78	---	134	34	139	39	6.3	120	3.6
31	5.8	---	62	86	---	113	---	113	---	6.3	85	---
MEAN	4.72	76.1	108	377	156	329	64.2	313	1,009	23.6	131	13.7
MAX	9.8	402	267	3,250	603	3,510	154	2,730	5,040	68	1,270	66
MIN	1.6	8.2	59	56	88	44	34	22	39	6.3	3.8	3.6
AC-FT	290	4,530	6,630	23,200	8,690	20,250	3,820	19,220	60,040	1,450	8,040	816

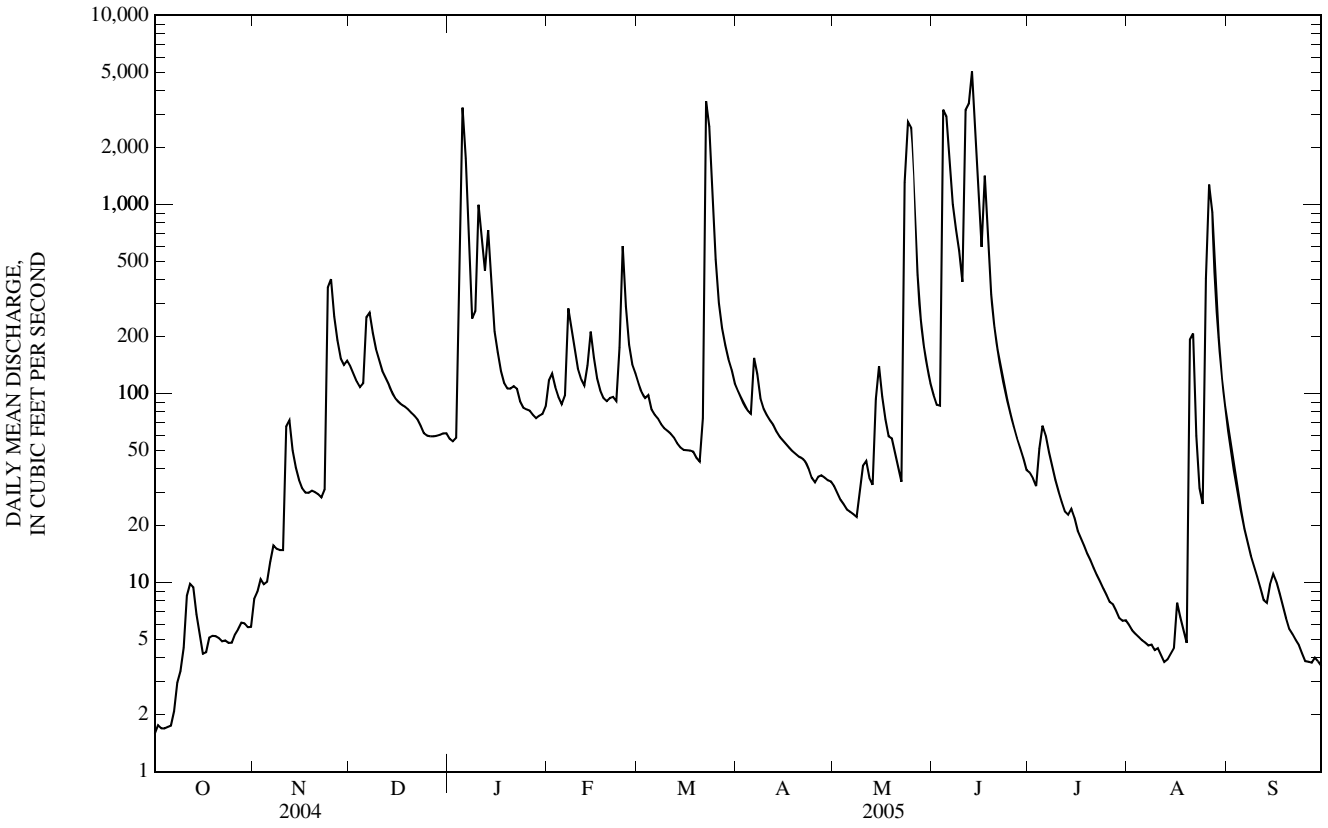
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2005, BY WATER YEAR (WY)

MEAN	110	146	104	88.1	135	261	248	272	297	112	31.2	46.9
MAX	1,410	954	488	394	554	1,247	1,227	1,232	1,287	2,080	208	381
(WY)	(1987)	(1999)	(1993)	(1973)	(1987)	(1973)	(1994)	(1993)	(1995)	(1976)	(1985)	(1986)
MIN	0.00	0.00	0.04	0.01	0.02	0.07	0.06	6.26	2.57	0.22	0.00	0.00
(WY)	(1981)	(1981)	(1981)	(1981)	(1981)	(1981)	(1981)	(1991)	(1996)	(1980)	(1980)	(1980)

07169800 ELK RIVER AT ELK FALLS, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1968 - 2005	
ANNUAL MEAN	207		217		154	
HIGHEST ANNUAL MEAN					322	1999
LOWEST ANNUAL MEAN					6.17	1991
HIGHEST DAILY MEAN	5,970	Mar 5	5,040	Jun 13	47,500	Jul 3, 1976
LOWEST DAILY MEAN	1.6	Sep 27	1.6	Oct 1	0.00	Aug 26, 1970
ANNUAL SEVEN-DAY MINIMUM	1.7	Sep 27	1.8	Oct 1	0.00	Aug 26, 1970
MAXIMUM PEAK FLOW			6,860	Jun 11	200,000	Jul 3, 1976
MAXIMUM PEAK STAGE			13.40	Jun 11	34.85	Jul 3, 1976
INSTANTANEOUS LOW FLOW			1.4	Oct 1	0.00	at times
ANNUAL RUNOFF (AC-FT)	150,200		157,000		111,600	
10 PERCENT EXCEEDS	302		403		266	
50 PERCENT EXCEEDS	73		59		23	
90 PERCENT EXCEEDS	4.2		5.0		0.71	

e Estimated



07170500 VERDIGRIS RIVER AT INDEPENDENCE, KS

LOCATION.--Lat 37°13'25", long 95°40'39", in NW ¼ NE ¼ NE ¼ sec.32, T.32 S., R.16 E., Montgomery County, Hydrologic Unit 11070103, on left bank at downstream side of bridge on U.S. Highway 160, 1.0 mi east of Independence, 3.7 mi downstream from Elk River, and at mile 194.2.

DRAINAGE AREA.--2,892 mi^2.

PERIOD OF RECORD.--August 1895 to September 1904 (monthly figures only, published in WSP 1311), October 1921 to current year.

REVISED RECORDS.--WSP 977: 1922, 1927-29. WSP 1117: Drainage area. WSP 1341: 1923-25(M), 1939.

GAGE.--Water-stage recorder. Datum of gage is 716.63 ft above NGVD of 1929. Aug. 2, 1895, to Nov. 30, 1903, nonrecording gage at former mill dam 5.0 mi downstream and 2.5 mi northwest of Liberty, at datum about 4.00 ft lower. Apr. 20 to Sept. 25, 1904, nonrecording gage at Myrtle Street highway bridge 0.8 mi upstream at different datum. Nov. 14, 1921, to Sept. 30, 1929, nonrecording gage at Myrtle Street bridge at datum 0.87 ft higher than present datum. Oct. 1, 1929, to Dec. 25, 1933, nonrecording gage at site 400 ft upstream at present datum. Dec. 26, 1933, to Oct. 5, 1989, recording gage at site 400 ft upstream at present datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated since 1949 by Fall River Lake (station 07168000), since 1960 by Toronto Lake (station 07165900), and since 1966 by Elk City Lake (station 07170050). 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	138	244	4,510	299	3,760	1,880	3,030	139	1,780	7,330	50	e9,830
2	207	301	4,280	293	3,430	1,810	3,060	128	1,410	7,600	72	9,470
3	206	958	4,050	312	2,960	1,750	2,270	121	1,460	6,700	99	8,820
4	205	2,110	2,760	1,810	2,240	1,680	2,070	119	7,240	6,680	92	8,000
5	204	1,860	1,630	18,100	2,020	1,520	1,900	114	12,400	6,370	72	5,010
6	201	623	3,460	19,600	2,090	1,480	1,490	115	8,000	4,650	53	1,670
7	227	522	4,650	7,900	2,630	1,460	1,180	120	7,030	4,330	44	4,810
8	197	549	3,450	6,510	2,810	1,430	1,360	119	8,400	5,680	39	6,530
9	318	508	3,060	6,510	2,520	1,420	1,350	127	10,100	7,910	61	6,330
10	216	544	2,950	8,100	2,740	1,360	1,330	142	8,650	9,410	86	5,330
11	185	6,560	2,790	8,280	2,850	1,000	1,320	162	14,500	9,470	88	3,030
12	185	6,140	2,660	7,510	2,810	874	1,150	161	17,100	9,190	68	733
13	183	3,010	2,580	8,180	3,080	849	1,090	707	18,400	8,050	50	872
14	200	3,350	2,520	6,750	4,050	771	1,400	2,720	18,200	5,840	58	3,700
15	155	3,220	2,320	5,260	3,450	334	1,290	3,020	14,800	3,650	192	4,520
16	131	3,140	1,690	4,680	3,010	286	511	2,650	13,900	2,070	327	5,000
17	120	3,060	1,090	4,610	2,790	234	230	2,550	14,300	1,180	186	5,050
18	114	3,050	760	4,740	2,440	224	176	3,920	15,500	1,140	123	5,130
19	112	2,720	675	4,720	2,400	217	150	4,330	15,000	1,130	89	5,070
20	110	1,360	610	4,900	2,400	204	206	5,320	14,700	1,110	1,700	4,840
21	110	1,010	596	4,970	2,440	195	300	2,500	14,400	1,000	1,590	4,140
22	103	941	558	5,120	2,400	3,240	262	1,850	13,800	432	812	5,110
23	81	957	519	5,010	2,630	8,270	277	2,230	11,900	278	1,730	5,380
24	55	4,800	453	4,920	4,010	6,390	267	2,900	10,300	193	1,520	3,910
25	42	7,320	427	4,880	3,540	6,920	270	8,910	9,190	157	3,350	2,460
26	117	4,420	473	4,950	2,670	7,240	283	5,670	10,200	159	13,700	1,890
27	152	3,610	490	5,060	2,040	7,070	198	4,260	10,100	150	18,500	1,770
28	275	3,350	493	4,700	1,930	6,940	265	3,770	9,830	106	20,300	898
29	383	3,240	404	3,860	---	6,470	341	3,190	9,290	83	15,700	332
30	456	3,790	326	3,830	---	5,260	175	3,050	8,570	67	e8,890	310
31	215	---	307	3,850	---	4,300	---	2,560	---	55	e8,940	---
MEAN	181	2,576	1,856	5,813	2,791	2,680	973	2,183	11,020	3,618	3,180	4,332
MAX	456	7,320	4,650	19,600	4,050	8,270	3,060	8,910	18,400	9,470	20,300	9,830
MIN	42	244	307	293	1,930	195	150	114	1,410	55	39	310
AC-FT	11,110	153,300	114,100	357,500	155,000	164,800	57,920	134,200	655,400	222,500	195,500	257,700

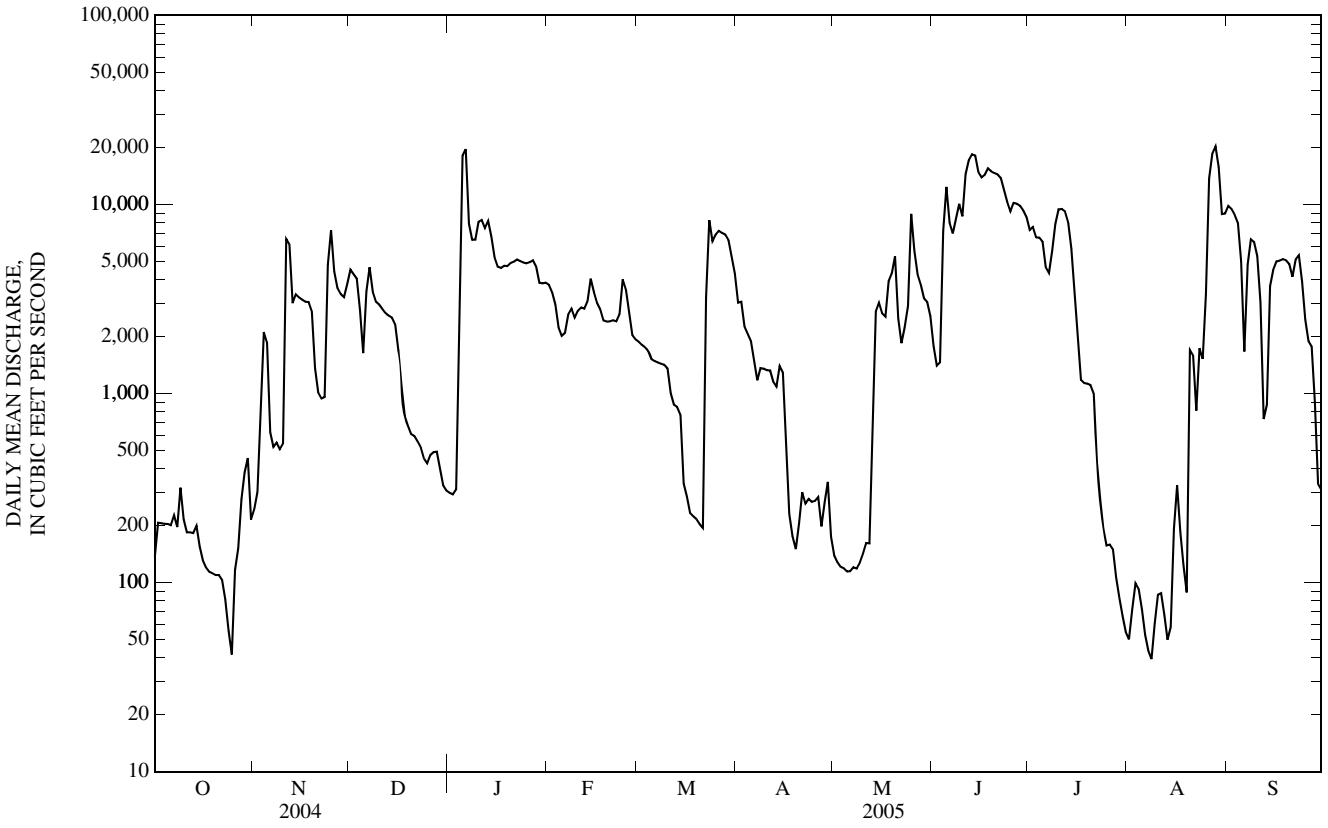
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2005, BY WATER YEAR (WY)

MEAN	1,748	2,204	1,550	1,418	1,766	3,421	3,206	3,352	4,090	1,875	724	858
MAX	21,880	13,130	7,961	6,799	6,186	13,500	12,520	9,018	11,820	10,880	4,967	4,888
(WY)	(1987)	(1975)	(1993)	(1973)	(1975)	(1973)	(1988)	(1994)	(1995)	(1976)	(1985)	(1989)
MIN	18.3	23.1	28.0	16.8	16.7	18.5	13.6	214	67.1	26.6	20.9	13.2
(WY)	(1996)	(1981)	(1981)	(1981)	(1981)	(1981)	(1981)	(1992)	(1972)	(1980)	(1983)	(1980)

07170500 VERDIGRIS RIVER AT INDEPENDENCE, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1968 - 2005	
ANNUAL MEAN	2,800		3,424		2,183	
HIGHEST ANNUAL MEAN					4,753	1999
LOWEST ANNUAL MEAN					199	1996
HIGHEST DAILY MEAN	21,600	Apr 24	20,300	Aug 28	103,000	Oct 4, 1986
LOWEST DAILY MEAN	32	Sep 22	39	Aug 8	1.5	Sep 25, 1980
ANNUAL SEVEN-DAY MINIMUM	34	Sep 17	62	Aug 7	4.4	Oct 13, 1991
MAXIMUM PEAK FLOW			21,300	Jan 5	117,000	Apr 17, 1945
MAXIMUM PEAK STAGE			29.41	Jan 5	47.60	May 19, 1943
INSTANTANEOUS LOW FLOW			38	Oct 26	0.00	at times
ANNUAL RUNOFF (AC-FT)	2,032,000		2,479,000		1,582,000	
10 PERCENT EXCEEDS	6,500		8,720		7,050	
50 PERCENT EXCEEDS	1,740		2,110		480	
90 PERCENT EXCEEDS	58		125		34	

e Estimated



07170700 BIG HILL CREEK NEAR CHERRYVALE, KS

LOCATION.--Lat 37°16'00", long 95°28'08", in SE ¼ SE ¼ sec.7, T.32 S., R.18 E., Labette County, Hydrologic Unit 11070103, on right bank upstream side of county highway bridge, 4.3 mi east of Cherryvale, and at mile 32.5.

DRAINAGE AREA.--37 mi^2.

PERIOD OF RECORD.--October 1957 to current year.

GAGE.--Water-stage recorder. Datum of gage is 795.93 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to May 6, 1958, nonrecording gage at same site and datum.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow completely regulated since 1981 by Big Hill Lake (station 07170695), 1,200 ft upstream. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood in 1951 reached a stage of 18.92 ft, from information by 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	0.00	0.09	18	15	9.7	16	20	0.60	20	9.1	e0.00	e0.00
2	0.00	0.02	16	18	9.2	14	18	0.37	25	11	e0.00	e0.00
3	0.00	2.0	15	22	8.5	13	15	0.33	30	8.5	e0.00	e0.00
4	0.00	1.2	13	70	7.9	12	13	0.59	120	15	e0.00	e0.00
5	0.00	1.6	16	555	7.2	11	12	0.78	106	16	e0.00	e0.00
6	0.00	3.7	36	484	11	9.2	14	1.1	87	13	e0.00	e0.00
7	0.00	6.1	96	290	21	8.8	27	1.5	66	9.8	e0.00	0.00
8	0.00	7.5	89	187	24	7.3	27	1.8	49	7.6	e0.00	e0.00
9	0.00	7.8	67	134	23	6.6	23	2.3	80	5.7	e0.00	e0.00
10	0.00	12	52	116	21	5.4	22	2.5	91	4.3	0.00	e0.00
11	0.00	101	40	91	19	4.7	25	3.0	430	3.1	e0.00	e0.00
12	0.00	131	34	91	18	4.6	23	3.4	571	3.6	e0.00	e0.00
13	0.00	98	28	169	27	3.9	18	6.3	761	e3.0	e0.00	e0.10
14	0.00	70	23	134	33	2.2	16	15	530	e1.0	e0.70	e0.30
15	0.00	51	20	92	31	2.1	14	18	307	e0.00	e1.0	e1.0
16	0.00	39	17	62	26	1.6	12	15	223	e0.00	e0.30	e0.40
17	0.01	32	15	47	22	1.1	10	11	161	e0.00	e0.00	e0.00
18	0.00	29	14	37	19	1.1	8.5	8.9	114	e0.00	e0.00	e0.00
19	0.00	24	12	31	17	1.3	7.2	8.0	75	e1.0	e0.00	e0.00
20	0.00	21	9.7	27	16	1.7	6.6	7.4	53	e0.50	e0.00	e0.00
21	0.00	19	9.7	24	16	3.6	6.4	5.9	39	e0.00	e0.00	e0.00
22	0.01	17	8.7	22	15	37	6.1	4.7	29	e0.00	e0.00	e0.00
23	0.03	18	5.8	17	18	79	4.1	7.3	21	e0.00	e0.10	e0.00
24	0.04	54	3.8	15	24	69	1.8	28	15	e0.00	e0.00	e0.00
25	0.04	64	3.0	13	24	61	1.4	73	12	e0.00	e0.00	e0.00
26	0.13	50	3.5	13	22	51	1.7	59	9.1	e0.00	e0.00	e0.00
27	0.07	41	2.7	11	21	41	1.1	44	6.4	e0.00	e0.00	0.00
28	0.09	30	2.1	10	19	35	2.6	33	4.3	e0.00	e0.00	e0.00
29	0.09	26	2.4	11	---	28	2.0	26	2.6	e0.00	e0.00	e0.00
30	0.06	21	3.9	9.9	---	25	0.95	21	1.8	e0.00	e0.00	e0.00
31	0.05	---	12	9.9	---	22	---	16	---	e0.00	e0.00	---
MEAN	0.02	32.6	22.2	91.2	18.9	18.7	12.0	13.7	135	3.62	0.07	0.06
MAX	0.13	131	96	555	33	79	27	73	761	16	1.0	1.0
MIN	0.00	0.02	2.1	9.9	7.2	1.1	0.95	0.33	1.8	0.00	0.00	0.00
AC-FT	1.2	1,940	1,370	5,610	1,050	1,150	713	845	8,010	223	4.2	3.6

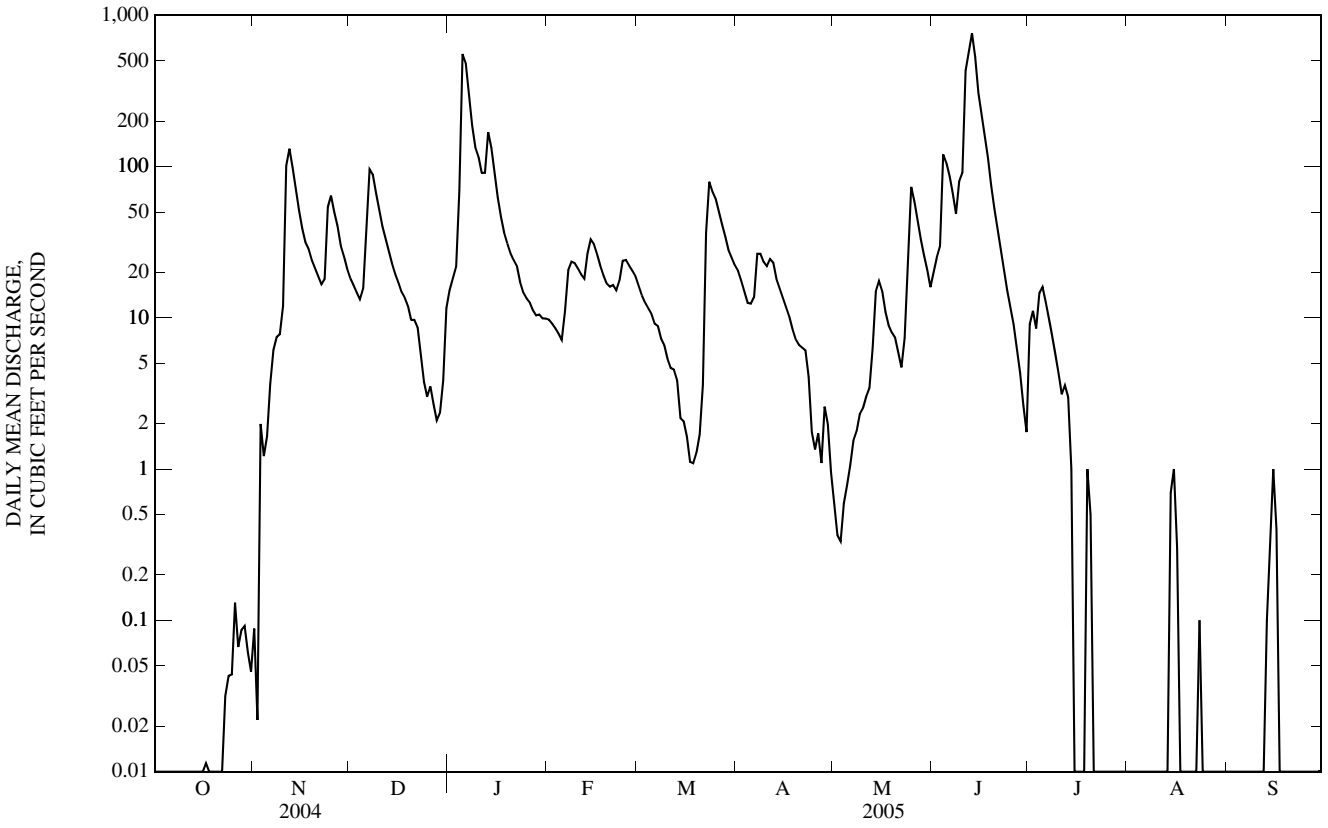
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2005, BY WATER YEAR (WY)

MEAN	22.3	26.5	16.8	18.9	19.4	40.1	35.4	45.5	45.3	23.0	6.06	14.4
MAX	384	151	143	145	164	228	219	269	219	403	97.4	123
(WY)	(1987)	(1993)	(1993)	(1973)	(1985)	(1973)	(1994)	(1961)	(1977)	(1976)	(1995)	(1993)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
(WY)	(1958)	(1964)	(1964)	(1964)	(1964)	(1964)	(1981)	(1982)	(1980)	(1963)	(1962)	(1963)

07170700 BIG HILL CREEK NEAR CHERRYVALE, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1958 - 2005	
ANNUAL MEAN	26.4		28.9		26.1	
HIGHEST ANNUAL MEAN					70.0	1993
LOWEST ANNUAL MEAN					0.07	1982
HIGHEST DAILY MEAN	639	Apr 24	761	Jun 13	10,700	Jul 3, 1976
LOWEST DAILY MEAN	0.00	Jul 26	0.00	Oct 1	0.00	Oct 1, 1957
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 7	0.00	Oct 1	0.00	Oct 1, 1957
MAXIMUM PEAK FLOW			825	Jun 13	36,000	Jul 3, 1976
MAXIMUM PEAK STAGE			11.38	Jun 13	23.02	Jul 3, 1976
INSTANTANEOUS LOW FLOW			0.00	Oct 1	0.00	most years
ANNUAL RUNOFF (AC-FT)	19,170		20,910		18,940	
10 PERCENT EXCEEDS	65		66		48	
50 PERCENT EXCEEDS	6.7		8.0		1.1	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated



07170990 VERDIGRIS RIVER AT COFFEYVILLE, KS

LOCATION.--Lat 37°00'19", long 95°35'33", in NW ¼ NE ¼ NW ¼ sec.18, T.35 S., R.17 E., Montgomery County, Hydrologic Unit 11070103, on right bank at downstream side of county road 0.75 mi north Oklahoma State line, and at mile 162.5.

DRAINAGE AREA.--3,342 mi^2.

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

GAGE.--Water-stage recorder. Datum of gage is 675.00 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated since 1949 by Fall River Lake (station 07168000), since 1960 by Toronto Lake (station 07165900), and since 1966 by Elk City Lake (station 07170050). 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	48	291	4,900	387	3,870	1,990	3,220	198	2,170	8,620	56	10,600
2	147	357	4,720	380	3,490	1,890	3,040	162	2,050	8,390	50	10,300
3	234	642	4,490	417	3,230	1,810	2,470	146	1,380	7,850	60	9,750
4	233	2,160	3,570	2,380	2,380	1,760	2,050	135	5,950	7,660	93	8,930
5	234	2,610	2,020	23,900	2,050	1,600	1,970	130	12,000	7,620	87	7,220
6	231	1,160	3,340	e24,600	2,040	1,520	1,660	124	12,000	5,530	67	2,010
7	264	605	8,940	e9,930	2,960	1,500	1,580	124	7,410	4,500	54	3,140
8	266	624	4,810	e8,010	3,130	1,480	1,430	139	9,030	5,200	46	6,700
9	232	588	3,440	e7,940	2,800	1,430	1,450	146	12,900	7,820	40	7,040
10	376	564	3,060	e9,850	2,780	1,410	1,390	153	11,100	9,820	43	5,720
11	280	8,950	2,860	9,980	2,860	1,200	1,370	170	15,500	10,200	69	3,970
12	247	10,600	2,670	8,940	2,820	948	1,330	186	23,200	10,000	74	1,380
13	222	4,390	2,540	12,400	3,200	895	1,080	300	26,700	9,300	60	445
14	219	3,430	2,460	8,890	4,320	871	1,310	1,510	23,700	7,370	75	2,500
15	221	3,490	2,390	6,470	3,960	642	1,390	3,540	18,800	4,330	136	4,180
16	161	3,350	1,890	5,240	3,140	409	998	2,600	16,800	2,560	345	5,050
17	130	3,240	1,370	4,920	2,870	352	441	2,400	16,600	1,370	326	5,000
18	114	3,200	936	5,000	2,500	309	285	3,260	17,000	1,130	204	5,140
19	106	3,170	773	4,960	2,360	297	222	3,910	17,000	1,110	129	5,070
20	97	1,970	680	5,160	2,360	287	192	5,660	16,400	1,090	124	4,970
21	92	1,270	643	5,240	2,390	290	315	3,330	16,200	1,080	2,220	4,150
22	107	1,090	626	5,430	2,390	2,210	352	1,880	15,900	756	1,180	4,470
23	112	1,080	599	5,330	2,640	10,000	333	2,420	14,200	402	1,260	5,620
24	72	5,060	567	5,170	4,480	8,280	331	2,880	12,000	308	1,540	4,390
25	54	9,280	508	5,100	4,300	7,700	331	7,860	10,300	215	1,660	2,620
26	66	6,260	515	5,080	3,060	8,220	344	8,190	10,700	182	11,000	1,840
27	242	4,140	548	5,270	2,260	8,010	325	4,650	11,100	187	17,800	1,640
28	198	3,650	559	5,200	2,030	7,820	222	3,970	10,800	162	20,200	1,250
29	345	3,440	547	4,010	---	7,610	403	3,230	10,400	108	19,800	517
30	557	3,630	446	3,830	---	6,210	319	2,950	9,660	79	11,800	287
31	388	---	400	3,850	---	4,680	---	2,800	---	64	10,300	---
MEAN	203	3,143	2,188	6,879	2,952	3,020	1,072	2,231	12,960	4,033	3,255	4,530
MAX	557	10,600	8,940	24,600	4,480	10,000	3,220	8,190	26,700	10,200	20,200	10,600
MIN	48	291	400	380	2,030	287	192	124	1,380	64	40	287
AC-FT	12,490	187,000	134,500	423,000	164,000	185,700	63,780	137,200	771,500	248,000	200,100	269,600

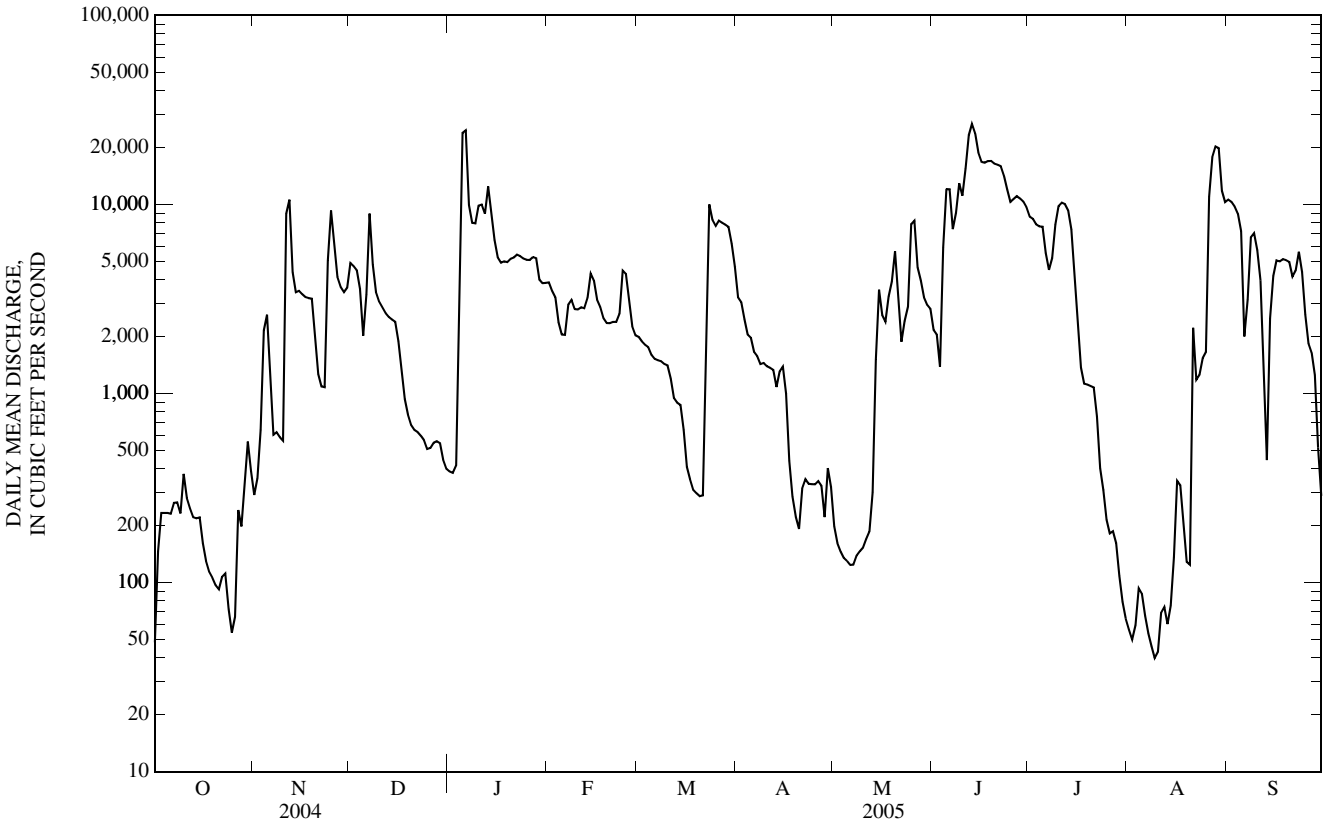
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	479	1,168	1,183	3,227	1,782	5,724	2,311	6,080	6,064	2,671	1,063	1,760
MAX	1,134	3,143	2,188	6,879	2,952	9,680	4,710	9,521	12,960	5,933	3,255	4,530
(WY)	(2004)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2002)	(2005)	(2004)	(2005)	(2005)
MIN	99.4	48.1	68.5	404	341	3,020	371	2,231	2,272	265	58.1	43.7
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2005)	(2002)	(2005)	(2003)	(2003)	(2002)	(2004)

07170990 VERDIGRIS RIVER AT COFFEYVILLE, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2002 - 2005	
ANNUAL MEAN	3,361		3,863		2,884	
HIGHEST ANNUAL MEAN					3,863	2005
LOWEST ANNUAL MEAN					1,657	2003
HIGHEST DAILY MEAN	33,700	Mar 5	26,700	Jun 13	33,700	Mar 5, 2004
LOWEST DAILY MEAN	26	Sep 20	40	Aug 9	4.5	Sep 11, 2002
ANNUAL SEVEN-DAY MINIMUM	28	Sep 19	55	Aug 7	6.4	Sep 7, 2002
MAXIMUM PEAK FLOW			29,500	Jan 6	35,100	Mar 5, 2004
MAXIMUM PEAK STAGE			26.92	Jan 6	30.66	Mar 5, 2004
INSTANTANEOUS LOW FLOW			35	Aug 10	3.9	Sep 11, 2002
ANNUAL RUNOFF (AC-FT)	2,440,000		2,797,000		2,090,000	
10 PERCENT EXCEEDS	8,260		10,100		8,250	
50 PERCENT EXCEEDS	1,980		2,260		1,080	
90 PERCENT EXCEEDS	62		143		63	

e Estimated



07172000 CANEY RIVER NEAR ELGIN, KS

LOCATION.--Lat 37°00'14", long 96°18'59", in NW ¼ NW ¼ SE ¼ sec.16, T.35 S., R.10 E., Chautauqua County, Hydrologic Unit 11070106, on right bank at upstream side of county highway bridge, 2 mi west of Elgin, and at mile 117.8.

DRAINAGE AREA.--445 mi^2.

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1117: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 763.32 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to Sept. 13, 1961, at site 300 ft downstream at same datum. Prior to Apr. 6, 1989, at site on left bank at upstream side of county highway bridge at same datum.

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

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jan 5	1000	*18,000	*14.00	Jun 11	1200	16,300	13.05
May 23	1200	6,290	6.94	Jun 12	2100	17,800	13.89
Jun 5	1000	11,200	10.12				

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

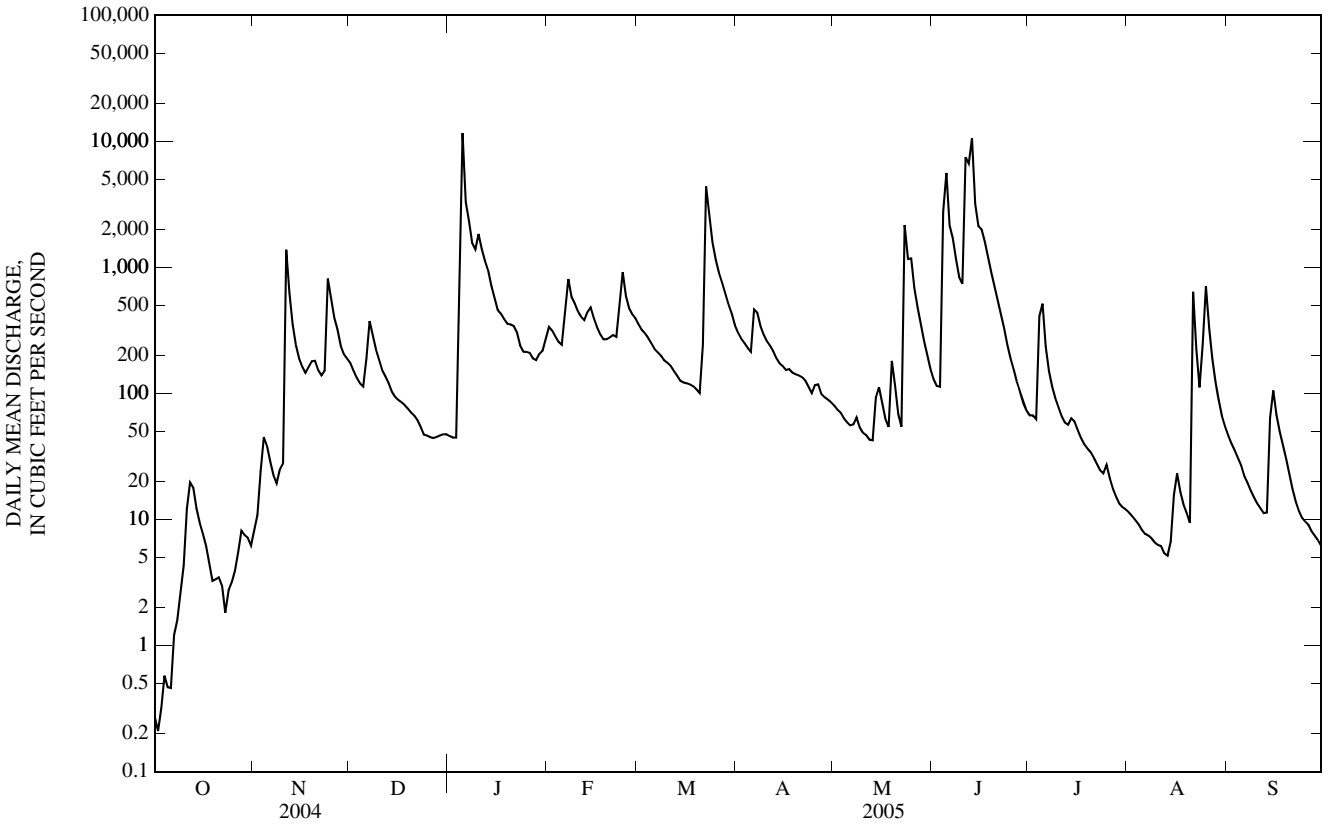
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.27	8.3	174	46	338	352	303	80	130	67	11	46
2	0.21	11	152	45	316	319	272	75	115	67	11	40
3	0.32	24	133	45	284	300	251	70	113	63	9.9	36
4	0.58	45	120	1,950	257	275	230	64	2,790	411	9.1	31
5	0.47	38	114	11,600	244	249	214	59	5,630	516	8.3	27
6	0.46	29	189	3,300	434	225	464	56	2,160	234	7.7	22
7	1.2	23	376	2,340	811	212	438	57	1,710	151	7.5	19
8	1.6	19	287	1,570	586	199	344	65	1,170	114	7.1	17
9	2.6	25	224	1,400	521	183	293	54	838	92	6.6	15
10	4.3	28	186	1,840	450	175	260	49	742	77	6.3	13
11	12	1,380	152	1,400	406	166	239	47	7,490	66	6.2	12
12	20	627	136	1,130	382	151	217	43	6,690	59	5.4	11
13	18	354	120	947	443	138	191	43	10,600	56	5.2	11
14	12	244	103	716	483	126	173	92	3,200	63	6.7	64
15	9.5	191	94	571	396	122	165	112	2,130	60	16	106
16	7.7	164	89	459	336	121	154	83	2,010	51	23	68
17	6.2	146	85	429	295	118	156	63	1,600	45	17	50
18	4.5	162	81	390	269	114	147	54	1,220	40	13	39
19	3.3	180	76	359	270	108	142	181	922	37	11	31
20	3.4	182	71	354	279	101	139	116	713	34	9.4	23
21	3.5	153	67	342	291	244	135	69	559	31	640	18
22	3.0	140	61	306	281	4,390	126	55	436	28	226	14
23	1.8	152	54	241	499	2,740	113	2,170	333	25	112	12
24	2.7	814	47	215	918	1,580	101	1,170	246	23	246	10
25	3.2	561	46	214	593	1,160	117	1,180	192	27	709	9.6
26	3.9	401	45	210	476	914	118	682	157	21	337	9.1
27	5.6	323	44	190	425	761	99	483	124	18	189	8.1
28	8.2	238	45	184	394	620	93	358	103	15	124	7.4
29	7.5	204	46	206	---	512	90	263	87	13	89	6.8
30	7.2	189	47	218	---	433	85	203	73	13	66	6.1
31	6.2	---	48	270	---	350	---	158	---	12	55	---
MEAN	5.21	235	113	1,080	417	563	196	266	1,809	81.6	96.5	26.1
MAX	20	1,380	376	11,600	918	4,390	464	2,170	10,600	516	709	106
MIN	0.21	8.3	44	45	244	101	85	43	73	12	5.2	6.1
AC-FT	320	13,990	6,970	66,420	23,160	34,630	11,640	16,370	107,700	5,020	5,930	1,550

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2005, BY WATER YEAR (WY)

MEAN	243	233	156	157	211	427	493	537	448	197	62.3	153
MAX	5,482	1,929	800	1,130	1,279	2,502	2,511	3,041	2,242	1,611	1,039	2,058
(WY)	(1987)	(1975)	(1993)	(1973)	(1987)	(1973)	(1944)	(1961)	(1957)	(1950)	(1950)	(1961)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.08	7.37	6.85	0.00	0.00	0.00
(WY)	(1940)	(1940)	(1940)	(1940)	(1940)	(1940)	(1981)	(1956)	(1972)	(1954)	(1954)	(1953)

07172000 CANEY RIVER NEAR ELGIN, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1940 - 2005	
ANNUAL MEAN	444		406		276	
HIGHEST ANNUAL MEAN					891	1987
LOWEST ANNUAL MEAN					8.61	1981
HIGHEST DAILY MEAN	13,900	Apr 24	11,600	Jan 5	79,200	Oct 3, 1986
LOWEST DAILY MEAN	0.21	Oct 2	0.21	Oct 2	0.00	Oct 1, 1939
ANNUAL SEVEN-DAY MINIMUM	0.44	Sep 30	0.50	Oct 1	0.00	Oct 1, 1939
MAXIMUM PEAK FLOW			18,000	Jan 5	104,000	Oct 3, 1986
MAXIMUM PEAK STAGE			14.00	Jan 5	42.35	Oct 3, 1986
INSTANTANEOUS LOW FLOW			0.06	Oct 1	0.00	at times
ANNUAL RUNOFF (AC-FT)	322,000		293,700		200,200	
10 PERCENT EXCEEDS	932		812		537	
50 PERCENT EXCEEDS	140		120		42	
90 PERCENT EXCEEDS	5.7		7.7		0.10	



07179500 NEOSHO RIVER AT COUNCIL GROVE, KS

LOCATION.--Lat 38°39'57", long 96°29'36", in NE ¼ NE ¼ NW ¼ sec.14, T.16 S., R.8 E., Morris County, Hydrologic Unit 11070201, on right bank at downstream side of bridge, 300 ft downstream from Mozler Creek, 1.0 mi upstream from Elm Creek, 1.7 mi downstream from Council Grove Lake, and at mile 448.0.

DRAINAGE AREA.--250 mi^2.

PERIOD OF RECORD.--October 1938 to current year.

REVISED RECORDS.--WSP 1117: Drainage area. WSP 1341: 1939-40(M), 1942.

GAGE.--Water-stage recorder. Concrete control since Jan. 8, 1997. Datum of gage is 1,205.63 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to June 7, 1940, nonrecording gage at present site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow completely regulated since 1964 by Council Grove Lake (station 07179400), 1.7 mi upstream. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1903 reached a stage of 37.3 ft at water plant, 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	4.6	6.1	5.0	2.8	86	86	6.4	e7.8	54	92	12	2,630
2	4.5	5.9	5.0	2.5	87	87	6.9	7.5	9.6	91	12	2,600
3	4.6	6.1	5.0	4.6	195	61	7.0	5.9	e18	95	11	2,560
4	4.6	6.1	5.2	3.1	279	29	7.3	6.4	e14	80	7.8	2,530
5	4.9	6.0	4.4	2.4	280	28	8.0	6.2	13	60	8.0	2,490
6	5.0	6.1	4.2	1.7	285	28	19	6.1	1,050	92	7.9	2,210
7	5.4	6.5	3.9	1.7	285	27	55	5.7	2,340	93	7.6	963
8	4.9	6.9	4.0	1.7	671	28	102	5.3	2,220	93	7.6	12
9	4.7	6.9	3.9	1.7	450	27	96	4.8	883	93	7.6	33
10	5.1	7.6	3.6	1.7	8.0	27	95	4.8	1,640	93	7.6	90
11	5.2	6.6	3.8	1.7	7.0	27	95	4.6	303	93	7.8	91
12	5.1	6.7	3.7	1.6	6.6	27	93	e8.4	e25	110	7.8	91
13	4.8	6.8	3.5	1.4	10	27	93	e19	e16	85	9.6	90
14	4.7	6.8	3.8	1.3	363	27	94	791	e15	154	8.4	90
15	5.0	6.8	3.9	1.3	669	27	95	1,970	14	263	7.5	147
16	5.0	6.8	3.9	1.3	668	27	95	2,390	13	231	7.5	227
17	5.1	6.8	3.9	1.4	422	27	96	2,250	651	232	7.5	227
18	5.0	6.8	3.8	1.4	7.6	26	96	2,330	1,130	231	7.5	227
19	5.4	6.8	3.7	1.7	6.9	26	95	1,670	1,130	237	8.0	226
20	5.4	6.8	3.8	2.9	6.6	27	95	910	1,120	389	9.8	118
21	5.3	6.9	3.5	2.5	6.3	20	95	797	1,120	693	7.6	27
22	5.1	6.9	3.5	1.5	45	6.6	94	365	1,120	691	368	27
23	5.1	7.1	3.3	1.5	88	6.2	95	40	1,110	689	741	27
24	5.0	6.9	3.3	1.5	86	6.4	95	41	1,480	416	936	27
25	4.6	6.9	3.2	1.6	86	6.1	96	99	1,670	77	e900	27
26	7.7	5.9	3.2	1.5	87	6.1	44	99	1,660	15	e26	20
27	6.0	5.1	3.2	1.5	87	6.1	9.3	99	1,850	14	1,310	6.7
28	6.1	5.2	3.2	1.5	86	6.4	8.6	99	2,090	14	2,550	6.5
29	6.0	5.2	3.0	1.5	---	6.7	7.2	98	1,640	13	2,670	6.5
30	5.6	5.0	2.6	1.6	---	6.5	e8.1	98	1,010	13	2,690	6.6
31	5.9	---	2.7	43	---	6.4	---	99	---	13	2,670	---
MEAN	5.21	6.43	3.76	3.20	192	25.1	63.4	462	914	179	485	594
MAX	7.7	7.6	5.2	43	671	87	102	2,390	2,340	693	2,690	2,630
MIN	4.5	5.0	2.6	1.3	6.3	6.1	6.4	4.6	9.6	13	7.5	6.5
AC-FT	320	383	231	197	10,640	1,550	3,770	28,440	54,360	11,020	29,830	35,370

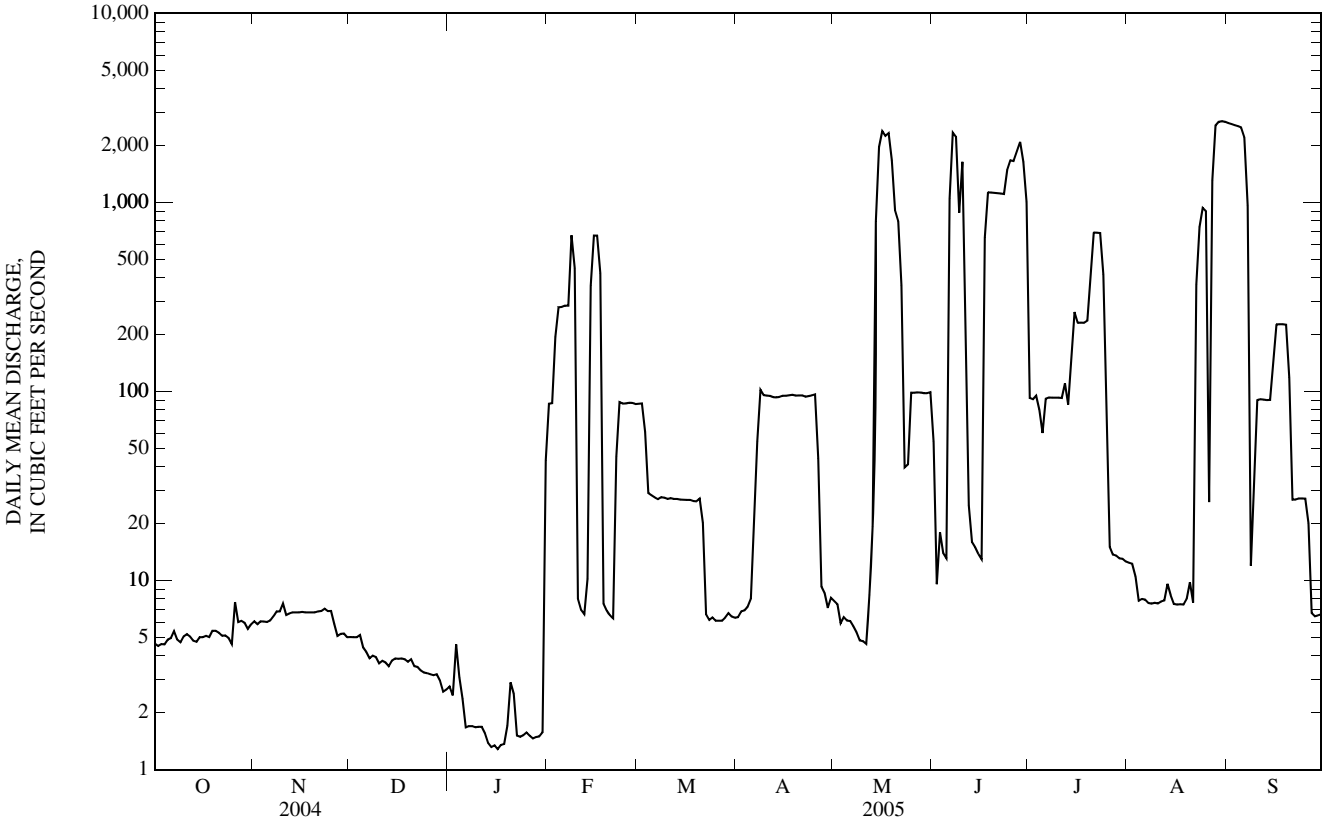
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2005, BY WATER YEAR (WY)

MEAN	106	61.2	56.7	51.3	62.2	119	190	223	258	215	77.7	82.3
MAX	1,387	852	718	503	579	702	1,424	1,387	1,656	2,858	1,103	984
(WY)	(1974)	(1999)	(1945)	(1973)	(1949)	(1973)	(1944)	(1993)	(1995)	(1951)	(1993)	(1951)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.03	0.00	0.00	0.00
(WY)	(1939)	(1939)	(1939)	(1939)	(1939)	(1940)	(1940)	(1954)	(1956)	(1940)	(1939)	(1939)

07179500 NEOSHO RIVER AT COUNCIL GROVE, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1939 - 2005	
ANNUAL MEAN	171		243		125	
HIGHEST ANNUAL MEAN					498	1951
LOWEST ANNUAL MEAN					5.37	1953
HIGHEST DAILY MEAN	2,320	Jun 22	2,690	Aug 30	34,000	Jul 11, 1951
LOWEST DAILY MEAN	0.43	Feb 13	1.3	Jan 14	0.00	Oct 1, 1938
ANNUAL SEVEN-DAY MINIMUM	0.48	Feb 11	1.4	Jan 12	0.00	Oct 1, 1938
MAXIMUM PEAK FLOW			2,730	Aug 29	121,000	Jul 11, 1951
MAXIMUM PEAK STAGE			13.49	Aug 29	36.29	Jul 11, 1951
INSTANTANEOUS LOW FLOW			1.2	Jan 14	0.00	at times
ANNUAL RUNOFF (AC-FT)	124,200		176,100		90,900	
10 PERCENT EXCEEDS	703		904		230	
50 PERCENT EXCEEDS	5.4		9.8		13	
90 PERCENT EXCEEDS	1.1		3.3		0.90	

e Estimated



07179730 NEOSHO RIVER NEAR AMERICUS, KS

LOCATION.--Lat 38°28'01", long 96°15'01", in SW ¼ SW ¼ NW ¼ sec.24, T.18 S., R.10 E., Lyon County, Hydrologic Unit 11070201, on right bank, 0.1 mi below Ruggles Dam, 2.0 mi south of Americus, 12.5 mi upstream from Allen Creek, and 24.0 mi upstream from Cottonwood River.

DRAINAGE AREA.--622 mi^2.

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

GAGE.--Water-stage recorder. Datum of gage is 1,106.99 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Apr. 10, 1989, to Nov. 1990, at site 0.4 mi upstream at present datum. Aug. 8, 1963, to Apr. 11, 1989, and Nov. 21, 1990, to current year, water-stage recorder at present site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow moderately regulated since 1964 by Council Grove Lake (station 07179400). Low flow occasionally regulated by Ruggles Dam 0.1 mi upstream. 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	18	34	52	28	179	238	105	74	206	e603	47	2,750
2	16	38	50	28	224	231	99	70	161	226	42	2,700
3	16	44	49	128	227	229	96	67	1,320	212	39	2,660
4	15	45	48	465	342	204	101	66	6,370	337	38	2,610
5	15	46	51	724	394	162	113	65	5,500	269	34	2,570
6	23	39	73	166	706	153	410	65	1,410	192	32	2,520
7	41	36	73	e110	2,030	164	1,340	64	2,220	201	33	2,110
8	32	34	66	e100	1,280	142	513	68	2,730	188	33	620
9	32	33	60	115	1,310	138	362	66	4,800	180	33	135
10	31	42	57	259	571	139	312	59	3,650	171	32	132
11	32	73	52	245	400	135	275	56	6,710	171	31	180
12	34	51	50	154	566	130	258	59	7,620	159	37	170
13	33	43	47	119	1,600	124	239	7,770	8,880	399	48	171
14	30	40	44	70	1,420	118	228	8,850	2,350	182	92	163
15	29	38	42	e50	1,070	116	222	2,780	962	219	58	554
16	29	37	42	38	1,070	116	218	2,960	638	275	39	715
17	28	37	42	64	995	117	215	2,810	509	270	35	393
18	27	37	42	62	553	126	213	2,660	1,360	268	33	383
19	27	36	41	89	242	108	220	2,530	1,510	1,930	32	345
20	27	35	40	540	266	103	210	1,510	1,460	2,110	602	306
21	27	35	39	1,250	270	109	204	996	1,430	736	377	181
22	26	34	35	456	238	149	195	901	1,410	743	98	102
23	25	35	28	192	250	264	183	356	1,380	691	769	93
24	24	50	17	182	272	213	177	231	1,370	668	1,260	86
25	23	64	28	138	262	170	176	296	1,880	325	2,920	84
26	45	55	29	134	253	149	179	266	1,890	141	10,600	81
27	132	48	29	134	250	137	132	242	1,870	78	7,270	75
28	72	47	30	121	246	130	82	229	2,200	65	2,730	60
29	42	49	30	110	---	136	79	253	2,090	58	2,960	55
30	31	50	31	113	---	138	76	226	1,810	53	2,880	54
31	30	---	30	140	---	116	---	211	---	50	2,820	---
MEAN	32.6	42.8	43.5	210	624	152	241	1,189	2,590	393	1,163	769
MAX	132	73	73	1,250	2,030	264	1,340	8,850	8,880	2,110	10,600	2,750
MIN	15	33	17	28	179	103	76	56	161	50	31	54
AC-FT	2,010	2,550	2,670	12,940	34,680	9,330	14,340	73,100	154,100	24,140	71,510	45,740

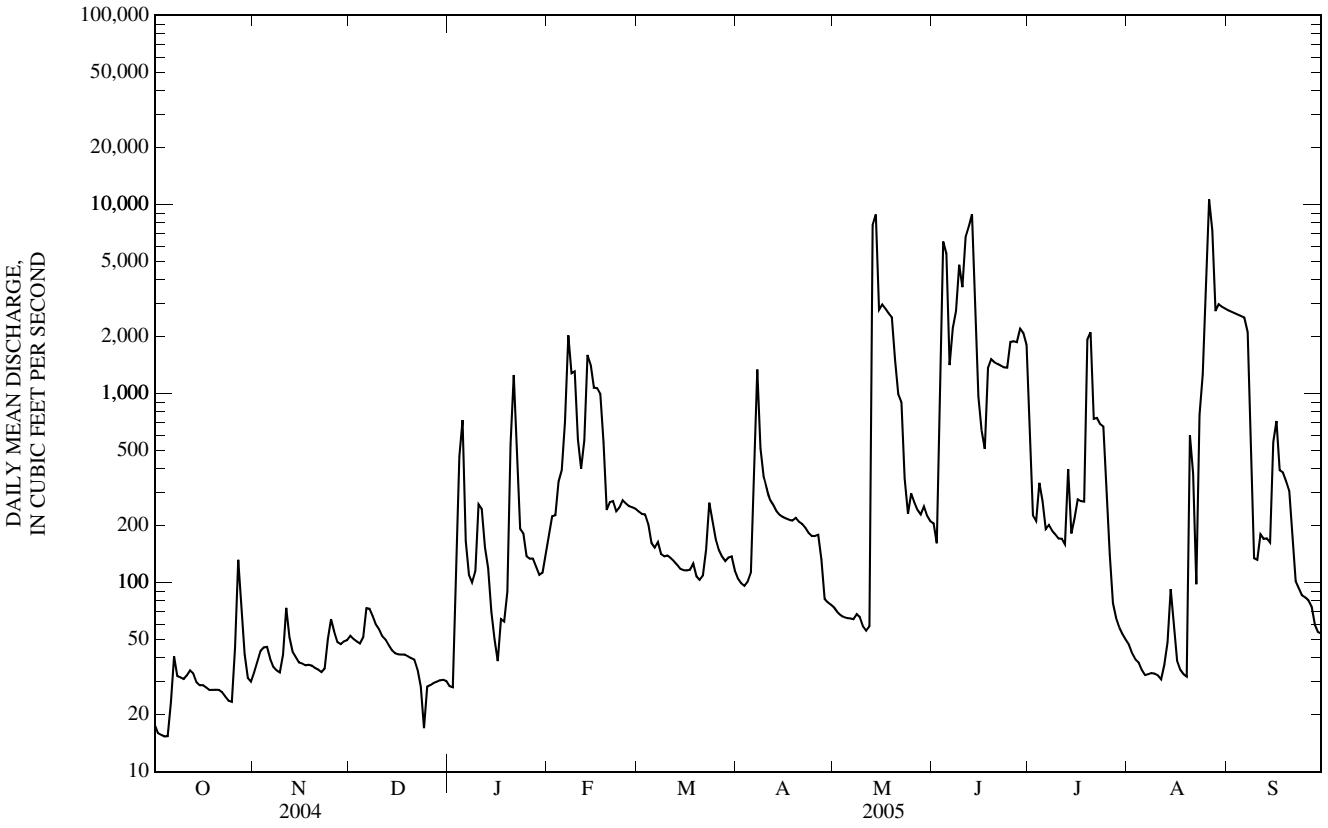
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005, BY WATER YEAR (WY)

MEAN	253	211	160	127	210	364	515	606	700	434	185	184
MAX	2,278	2,304	916	854	1,048	2,100	2,258	3,285	2,761	3,127	1,498	1,526
(WY)	(1974)	(1999)	(1974)	(1973)	(1973)	(1973)	(1999)	(1995)	(1995)	(1993)	(1993)	(1973)
MIN	2.41	6.90	5.87	3.73	3.64	6.87	11.1	24.4	15.9	12.5	12.5	10.7
(WY)	(1965)	(1967)	(1967)	(1967)	(1967)	(1967)	(1989)	(1967)	(1989)	(1964)	(1978)	(1980)

07179730 NEOSHO RIVER NEAR AMERICUS, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1964 - 2005	
ANNUAL MEAN	470		618		329	
HIGHEST ANNUAL MEAN					1,106	1993
LOWEST ANNUAL MEAN					28.2	1989
HIGHEST DAILY MEAN	11,700	Jun 19	10,600	Aug 26	14,700	Nov 2, 1998
LOWEST DAILY MEAN	11	Jan 6	15	Oct 4	0.00	Oct 2, 1963
ANNUAL SEVEN-DAY MINIMUM	12	Jan 6	21	Oct 1	0.24	Oct 26, 1964
MAXIMUM PEAK FLOW			13,400	Aug 26	17,400	Jul 22, 1993
MAXIMUM PEAK STAGE			26.98	Aug 26	27.84	Jul 22, 1993
INSTANTANEOUS LOW FLOW			1.2	Dec 24	0.00	at times
ANNUAL RUNOFF (AC-FT)	341,500		447,100		238,500	
10 PERCENT EXCEEDS	1,730		1,910		877	
50 PERCENT EXCEEDS	56		138		62	
90 PERCENT EXCEEDS	17		32		12	

e Estimated



07179795 NORTH COTTONWOOD RIVER BELOW MARION LAKE, KS

LOCATION.--Lat 38°22'00", long 97°05'00", in SE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.27, T.19 S., R.3 E., Marion County, Hydrologic Unit 11070202, on left bank, 0.25 mi downstream from outlet of dam, 1.6 mi upstream from South Cottonwood River, 3.0 mi northwest of Marion, and at mile 126.5.

DRAINAGE AREA.--200 mi^2.

PERIOD OF RECORD.--July 1968 to current year. Prior to Oct. 1, 1991, published as "Cottonwood River."

REVISED RECORDS.--WDR KS-77-1: 1976.

GAGE.--Water-stage recorder. Datum of gage is 1,296.57 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow completely regulated since 1968 by Marion Lake (station 07179794), 0.25 mi upstream. 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	8.3	8.8	2.0	3.7	2.9	2.5	87	13	9.4	14	15	14
2	7.7	8.7	1.4	4.0	2.8	2.1	88	13	9.5	14	15	14
3	6.1	7.9	0.42	4.4	2.6	2.4	88	13	e21	15	15	14
4	8.6	6.0	0.25	4.2	2.6	2.7	88	13	e50	15	16	14
5	11	4.3	0.23	4.2	2.4	2.7	89	13	9.1	14	16	14
6	9.6	4.3	0.14	3.0	2.8	2.8	89	13	1,110	14	15	14
7	9.3	4.7	3.8	3.8	2.4	3.6	89	13	2,380	14	15	14
8	9.6	4.8	3.5	4.2	2.0	3.1	89	13	2,220	14	15	12
9	9.9	4.9	2.6	4.5	1.9	2.9	89	13	605	14	15	9.4
10	9.6	5.3	3.0	4.3	1.7	3.4	90	13	935	14	14	9.4
11	11	4.8	1.9	4.2	1.8	3.3	93	13	370	14	14	9.3
12	10	4.4	2.6	4.1	1.7	3.3	92	14	67	15	14	8.9
13	11	4.2	3.7	4.3	2.2	3.4	91	172	371	15	14	8.9
14	12	4.2	2.6	4.3	1.8	3.4	60	381	12	15	14	8.7
15	11	4.3	2.3	4.3	3.8	2.9	37	831	5.1	15	13	10
16	11	4.4	3.0	4.3	3.3	2.9	37	1,010	3.4	15	13	9.3
17	10	5.0	3.3	4.0	2.7	2.8	37	e1,000	337	15	13	8.8
18	11	5.4	2.8	3.6	3.4	2.8	37	e1,000	588	15	13	9.0
19	10	5.2	2.3	3.6	3.8	3.0	24	e1,000	586	14	14	9.4
20	9.3	5.0	3.1	3.6	3.3	2.8	14	e750	583	14	15	9.7
21	9.1	5.1	3.8	4.5	3.3	4.3	15	e500	580	14	14	9.4
22	9.2	5.4	3.0	3.5	3.3	4.8	16	e500	578	14	14	9.6
23	9.1	5.9	2.3	2.2	5.1	56	16	e500	579	14	16	10
24	8.8	5.9	2.3	2.3	5.3	89	15	244	879	14	14	10
25	10	3.4	2.1	2.8	4.3	89	15	8.2	1,090	14	50	10
26	10	2.4	1.8	2.9	3.8	88	15	8.4	1,080	15	14	10
27	8.5	2.9	2.0	3.0	4.1	89	14	8.4	1,080	15	13	10
28	8.9	2.4	2.0	3.1	4.2	88	14	8.5	1,070	14	13	10
29	8.7	2.6	2.0	3.0	---	89	14	9.0	1,040	14	13	9.8
30	8.7	2.5	2.0	2.9	---	88	14	9.3	573	14	13	9.3
31	8.6	---	2.7	2.9	---	87	---	9.4	---	15	13	---
MEAN	9.54	4.84	2.29	3.67	3.05	26.8	51.9	261	627	14.4	15.3	10.6
MAX	12	8.8	3.8	4.5	5.3	89	93	1,010	2,380	15	50	14
MIN	6.1	2.4	0.14	2.2	1.7	2.1	14	8.2	3.4	14	13	8.7
AC-FT	586	288	141	226	169	1,650	3,090	16,080	37,330	885	942	633

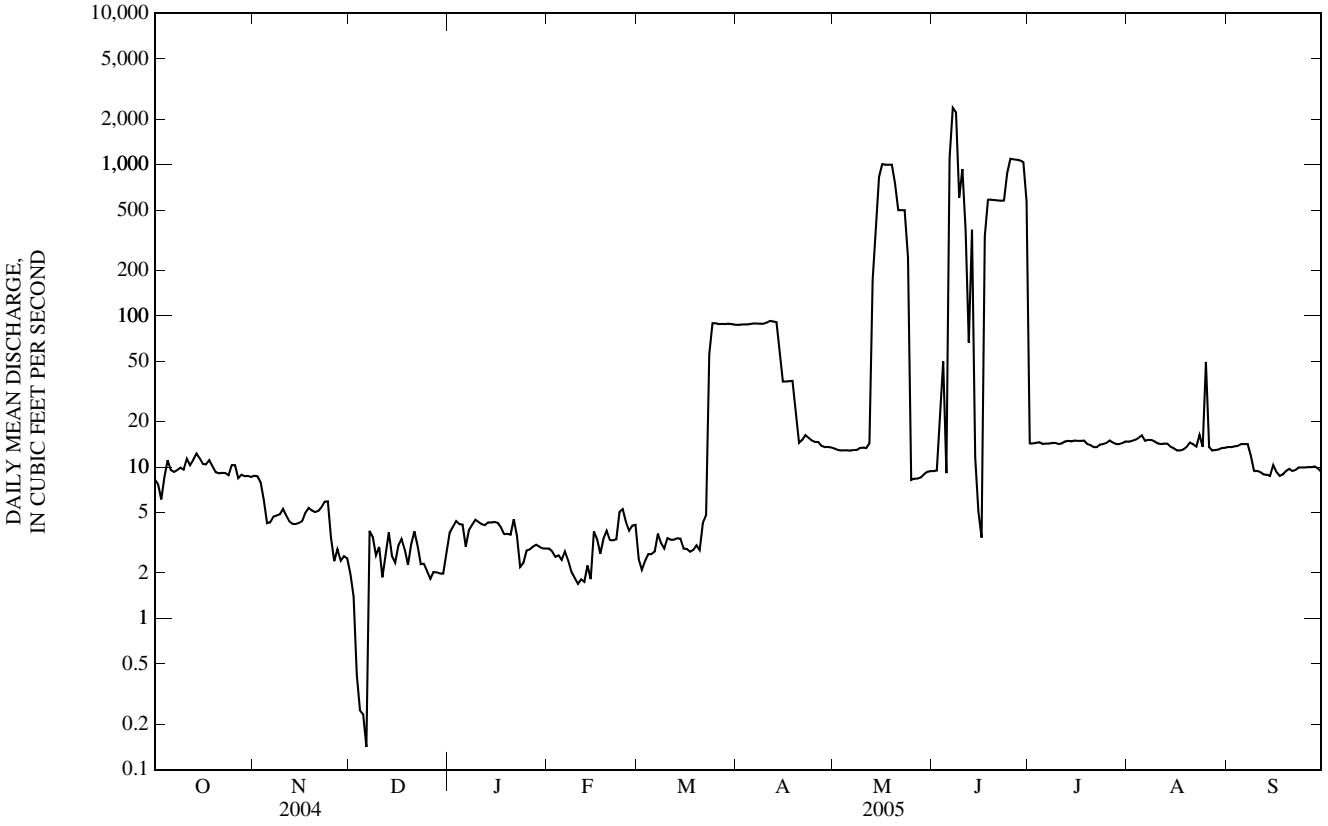
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2005, BY WATER YEAR (WY)

MEAN	54.1	61.1	42.0	27.3	51.8	81.0	102	138	145	113	36.3	26.2
MAX	692	549	469	229	411	703	559	1,035	860	997	528	191
(WY)	(1974)	(1999)	(1999)	(1973)	(1973)	(1973)	(1973)	(1993)	(1995)	(1993)	(1993)	(1985)
MIN	0.99	1.04	0.67	0.77	1.05	0.70	0.54	1.61	2.00	3.85	1.87	1.74
(WY)	(1969)	(1969)	(1969)	(1992)	(1992)	(1969)	(1969)	(1992)	(1992)	(1992)	(1992)	(1992)

07179795 NORTH COTTONWOOD RIVER BELOW MARION LAKE, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1969 - 2005	
ANNUAL MEAN	70.9		85.7		73.2	
HIGHEST ANNUAL MEAN					322	1993
LOWEST ANNUAL MEAN					1.98	1992
HIGHEST DAILY MEAN	2,230	Jul 27	2,380	Jun 7	4,000	May 26, 1993
LOWEST DAILY MEAN	0.14	Dec 6	0.14	Dec 6	0.00	Oct 3, 1984
ANNUAL SEVEN-DAY MINIMUM	0.99	Nov 30	0.99	Nov 30	0.25	Mar 30, 1969
MAXIMUM PEAK FLOW			2,410	Jun 6	4,530	May 26, 1993
MAXIMUM PEAK STAGE			12.79	Jun 6	22.58	Dec 4, 1998
INSTANTANEOUS LOW FLOW			0.10	Dec 6	0.00	Oct 3, 1984
ANNUAL RUNOFF (AC-FT)	51,460		62,010		53,020	
10 PERCENT EXCEEDS	92		90		99	
50 PERCENT EXCEEDS	8.7		9.6		7.6	
90 PERCENT EXCEEDS	2.4		2.6		1.9	

e Estimated



07180400 COTTONWOOD RIVER NEAR FLORENCE, KS

LOCATION.--Lat 38°14'10", long 96°52'37", in NW $^1/_4$ SW $^1/_4$ sec.10, T.21 S., R.5 E., Marion County, Hydrologic Unit 11070202, on left bank at downstream side of county highway bridge, 0.4 mi upstream from Martin Creek, 2.5 mi east of Florence, 3.3 mi downstream from Doyle Creek, and at mile 102.4.

DRAINAGE AREA.--754 mi^2.

PERIOD OF RECORD.--June 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,231.49 ft above NGVD of 1929. Since Aug. 10, 1965, auxiliary water-stage recorder 2.8 mi downstream at datum 1,219.49 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow moderately regulated since 1968 by Marion Lake (station 07179794), 24 mi upstream. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1872, 32.5 ft, July 11, 1951, from information by 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	60	68	81	65	143	128	237	112	174	267	69	e183
2	56	67	79	64	157	123	228	107	155	146	67	e183
3	55	67	77	83	135	120	223	104	1,210	137	63	e176
4	55	70	75	192	125	119	219	104	9,890	186	61	e163
5	54	68	75	1,000	113	116	219	102	8,100	198	1,830	e151
6	59	67	78	413	131	112	314	105	1,240	154	412	e144
7	65	66	77	313	871	111	518	101	2,540	135	121	e138
8	65	65	77	142	678	109	319	100	2,550	131	91	e125
9	62	67	77	144	294	106	266	106	3,030	124	81	e117
10	64	75	74	254	194	102	252	98	1,930	118	73	e107
11	69	93	71	162	193	100	251	96	8,900	114	67	e105
12	70	82	71	142	337	100	245	97	11,200	111	65	e106
13	67	75	67	121	762	98	234	2,720	9,050	110	93	e106
14	62	72	66	99	1,060	96	226	4,090	3,820	109	199	e105
15	60	71	65	e80	400	96	178	1,070	1,040	103	96	e349
16	61	71	65	e70	242	94	166	1,150	715	100	82	565
17	63	73	66	85	192	93	165	1,060	607	96	78	e187
18	63	76	67	83	169	94	163	1,000	1,050	97	77	e153
19	63	75	66	99	166	94	159	982	990	101	75	e130
20	64	72	66	439	167	93	141	903	936	98	197	e115
21	64	71	66	1,100	166	133	129	602	901	93	239	e110
22	66	70	66	617	157	2,290	122	581	885	87	112	e107
23	64	73	70	322	150	3,170	118	567	865	81	1,400	e107
24	62	107	65	236	148	820	115	554	931	78	756	e111
25	61	119	62	140	143	466	119	170	1,360	77	7,830	e112
26	85	101	62	130	139	368	123	127	1,350	80	7,000	e112
27	106	88	64	119	135	319	120	116	1,340	86	2,660	e111
28	97	79	64	112	133	291	118	110	1,320	81	691	e110
29	83	78	65	107	---	273	115	105	1,310	77	384	e103
30	75	81	65	102	---	264	113	209	1,220	72	258	e102
31	69	---	65	113	---	251	---	162	---	70	e207	---
MEAN	66.7	76.9	69.5	231	275	347	197	565	2,687	113	820	150
MAX	106	119	81	1,100	1,060	3,170	518	4,090	11,200	267	7,830	565
MIN	54	65	62	64	113	93	113	96	155	70	61	102
AC-FT	4,100	4,580	4,270	14,180	15,270	21,320	11,730	34,730	159,900	6,980	50,450	8,910

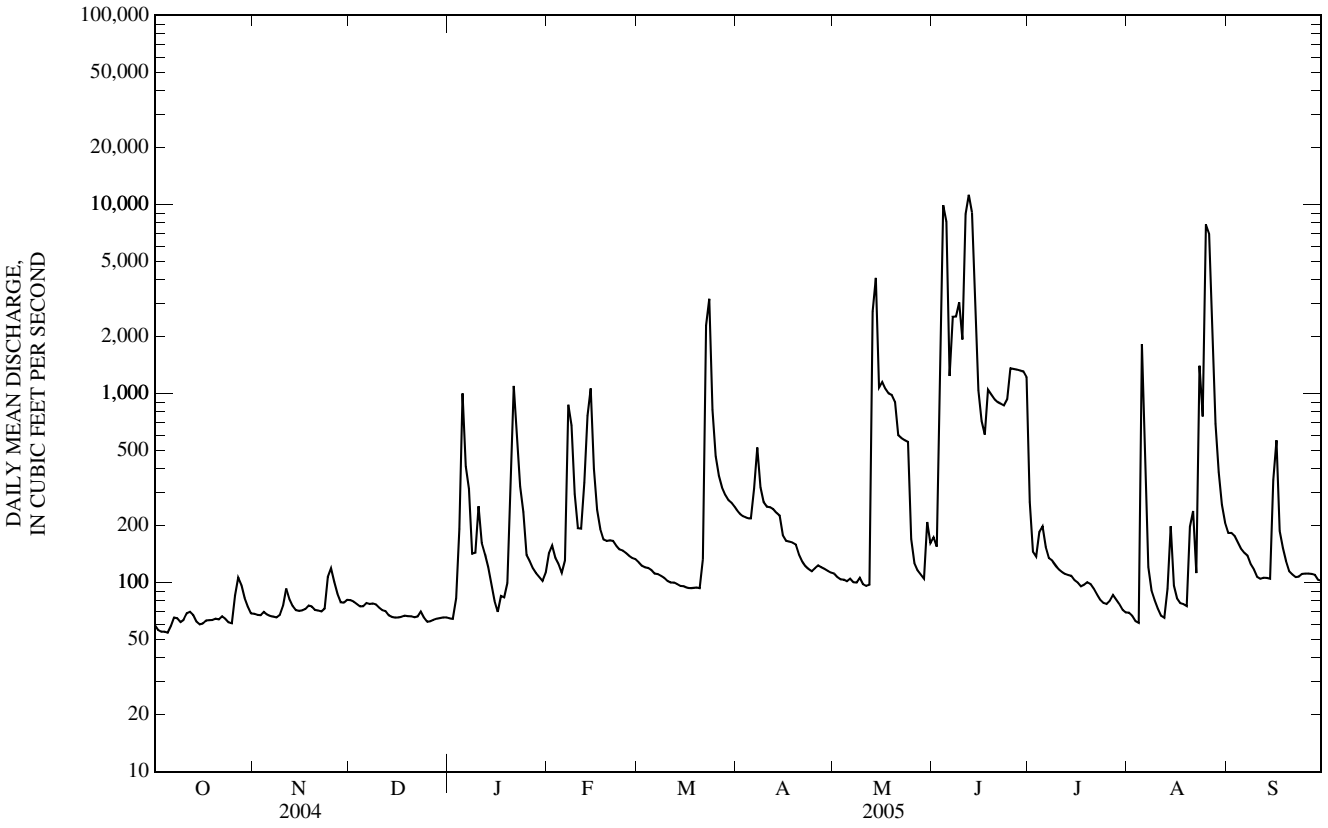
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2005, BY WATER YEAR (WY)

MEAN	269	298	154	133	221	389	404	542	724	377	165	216
MAX	2,203	4,356	755	728	1,308	3,251	1,533	4,981	3,691	4,044	833	1,755
(WY)	(1986)	(1999)	(1999)	(1962)	(1973)	(1973)	(1983)	(1993)	(1965)	(1993)	(1985)	(1962)
MIN	11.5	19.8	18.2	20.4	19.8	26.9	25.6	23.0	53.4	22.8	16.9	21.8
(WY)	(1965)	(1967)	(1992)	(1967)	(1967)	(1981)	(1981)	(1967)	(1991)	(1966)	(1991)	(1966)

07180400 COTTONWOOD RIVER NEAR FLORENCE, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1962 - 2005	
ANNUAL MEAN	339		465		324	
HIGHEST ANNUAL MEAN					1,298	1993
LOWEST ANNUAL MEAN					39.9	1991
HIGHEST DAILY MEAN	14,700	Jul 25	11,200	Jun 12	47,800	Nov 2, 1998
LOWEST DAILY MEAN	42	Feb 7	54	Oct 5	4.8	Jun 28, 1991
ANNUAL SEVEN-DAY MINIMUM	43	Feb 2	58	Oct 1	6.9	Oct 8, 1964
MAXIMUM PEAK FLOW			15,200	Jun 4	73,700	Nov 2, 1998
MAXIMUM PEAK STAGE			24.81	Jun 4	28.81	Nov 2, 1998
INSTANTANEOUS LOW FLOW			53	Oct 5	4.4	Jun 28, 1991
ANNUAL RUNOFF (AC-FT)	246,300		336,400		234,800	
10 PERCENT EXCEEDS	625		994		651	
50 PERCENT EXCEEDS	78		112		82	
90 PERCENT EXCEEDS	55		65		28	

e Estimated



07180500 CEDAR CREEK NEAR CEDAR POINT, KS

LOCATION.--Lat 38°11'47", long 96°49'27", in NE ¼ SE ¼ NE ¼ sec.25, T.21 S., R.5 E., Chase County, Hydrologic Unit 11070202, on right bank at upstream side of county highway bridge, 4.0 mi south of Cedar Point, and at mile 9.4.

DRAINAGE AREA.--110 mi^2.

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1211: 1944(M). WSP 1341: 1940-41, 1942(M), 1943, 1945(M).

GAGE.--Water-stage recorder. Datum of gage is 1,262.50 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to Sept. 28, 1944, nonrecording gage at present site and datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1929 reached a stage of 24.63 ft from floodmarks on house on left bank where flood in 1951 reached a stage of 25.7 ft.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,600 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	1900	*11,000	*19.82	Jun 12	1145	7,160	16.07
Jun 9	0300	7,110	16.02	Aug 25	1200	9,630	18.08
Jun 11	1000	5,690	14.45				

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

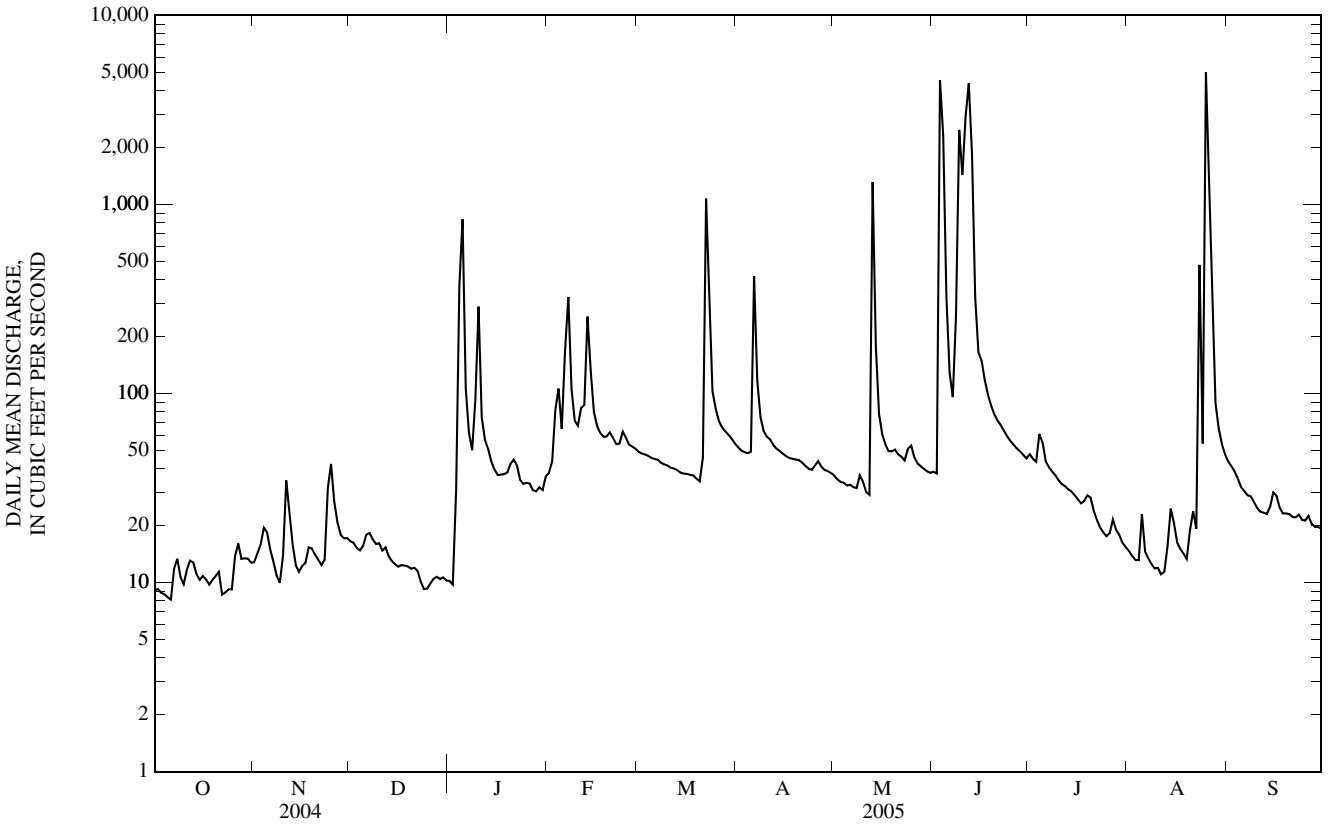
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	13	17	10	38	49	52	37	39	48	15	44
2	9.2	14	16	9.8	44	48	50	35	38	45	14	41
3	8.8	16	15	31	82	48	49	34	4,540	44	13	39
4	8.7	20	15	372	106	47	48	34	2,330	61	13	35
5	8.4	18	16	834	65	46	49	33	325	55	23	32
6	8.1	15	18	106	165	45	417	33	129	44	15	30
7	12	13	18	62	323	45	117	32	96	41	13	29
8	13	11	17	50	106	43	75	32	257	39	13	29
9	11	10	16	93	72	42	63	37	2,480	37	12	27
10	9.8	14	16	288	68	42	59	34	1,430	35	12	25
11	12	35	15	75	84	41	57	30	2,920	33	11	24
12	13	24	15	57	87	40	53	29	4,370	32	11	23
13	13	16	14	51	255	39	51	1,310	1,850	31	16	23
14	11	12	13	44	132	38	50	178	323	30	25	25
15	10	11	13	40	80	38	48	78	166	29	21	30
16	11	12	12	37	67	38	47	61	150	28	16	29
17	10	13	12	37	62	37	46	54	118	26	15	25
18	9.8	15	12	37	59	37	45	50	98	27	14	23
19	10	15	12	38	59	35	45	49	86	29	13	23
20	11	14	12	42	62	34	44	51	78	28	19	23
21	11	13	12	45	58	46	43	48	72	24	24	22
22	8.7	12	12	42	54	1,070	41	46	68	21	19	22
23	8.9	13	10	35	54	259	40	44	63	20	479	23
24	9.2	32	9.2	33	63	103	39	51	59	18	54	21
25	9.2	42	9.3	34	59	83	42	53	56	18	5,000	21
26	14	27	9.9	33	54	72	44	46	54	18	775	23
27	16	21	10	31	52	66	41	43	51	22	215	21
28	13	18	11	30	51	63	39	41	49	19	89	20
29	13	17	10	32	---	61	39	40	47	18	65	20
30	13	17	11	31	---	58	38	39	45	16	54	19
31	13	---	10	36	---	55	---	38	---	15	48	---
MEAN	10.9	17.4	13.2	87.0	87.9	89.3	62.4	87.7	746	30.7	230	26.4
MAX	16	42	18	834	323	1,070	417	1,310	4,540	61	5,000	44
MIN	8.1	10	9.2	9.8	38	34	38	29	38	15	11	19
AC-FT	670	1,040	810	5,350	4,880	5,490	3,710	5,400	44,400	1,890	14,130	1,570

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2005, BY WATER YEAR (WY)

MEAN	46.1	39.6	29.8	26.9	42.6	73.3	89.5	85.4	129	66.9	32.0	38.6
MAX	392	542	264	195	260	449	554	507	814	594	230	414
(WY)	(1986)	(1999)	(1945)	(1949)	(2001)	(1973)	(1944)	(1993)	(1965)	(1951)	(2005)	(1941)
MIN	0.00	0.00	0.00	0.00	0.00	0.44	0.58	0.01	0.00	0.00	0.00	0.00
(WY)	(1940)	(1954)	(1955)	(1940)	(1957)	(1956)	(1954)	(1955)	(1955)	(1954)	(1954)	(1953)

07180500 CEDAR CREEK NEAR CEDAR POINT, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1939 - 2005	
ANNUAL MEAN	78.8		123		58.2	
HIGHEST ANNUAL MEAN					159	1993
LOWEST ANNUAL MEAN					0.91	1954
HIGHEST DAILY MEAN	4,810	Jul 9	5,000	Aug 25	10,900	Jun 29, 1951
LOWEST DAILY MEAN	8.1	Oct 6	8.1	Oct 6	0.00	Jul 12, 1939
ANNUAL SEVEN-DAY MINIMUM	8.9	Sep 30	9.2	Oct 1	0.00	Jul 12, 1939
MAXIMUM PEAK FLOW			11,000	Jun 3	52,400	Jun 29, 1951
MAXIMUM PEAK STAGE			19.82	Jun 3	23.70	Jun 29, 1951
INSTANTANEOUS LOW FLOW			7.7	Oct 6	0.00	at times
ANNUAL RUNOFF (AC-FT)	57,180		89,340		42,180	
10 PERCENT EXCEEDS	88		97		76	
50 PERCENT EXCEEDS	27		35		16	
90 PERCENT EXCEEDS	10		12		2.0	



07182250 COTTONWOOD RIVER NEAR PLYMOUTH, KS

LOCATION.--Lat 38°23'51", long 96°21'21", in NE ¼ NE ¼ SE ¼ sec.13, T.19 S., R.9 E., Chase County, Hydrologic Unit 11070203, on right bank at upstream side of county highway bridge, 0.8 mi downstream from Buckeye Creek, 1.5 mi southwest of Plymouth, and at mile 39.2.

DRAINAGE AREA.--1,740 mi^2.

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

GAGE.--Water-stage recorder. Datum of gage is 1,109.04 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow partially regulated since 1968 by Marion Lake (station 07179794), 87.3 mi upstream. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1903, 37.8 ft, July 11, 1951, from information by local residents, discharge not determined.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,900 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 24	0300	5,850	19.31	Jun 13	2100	*27,400	*33.85
May 13	1600	16,600	32.84	Aug 27	1200	18,400	33.04
Jun 5	0700	13,900	32.32				

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	114	120	282	193	568	716	815	395	570	1,480	191	894
2	113	213	276	191	639	684	769	379	479	962	179	732
3	110	184	269	326	686	661	736	364	2,030	613	170	638
4	105	156	262	734	679	638	711	352	11,300	1,030	162	573
5	103	168	261	3,780	726	614	691	343	13,700	768	151	524
6	101	154	309	2,970	1,020	589	2,320	337	13,300	678	998	476
7	117	142	336	1,470	2,330	575	2,950	332	9,470	589	991	439
8	117	133	309	1,030	2,790	550	1,820	325	4,020	523	308	414
9	119	128	292	915	2,000	538	1,270	327	7,810	484	207	392
10	118	135	282	2,140	1,360	532	1,070	332	8,610	454	171	367
11	119	172	268	1,680	1,450	511	974	322	12,300	426	151	340
12	123	205	258	1,080	1,540	490	919	305	18,300	406	147	319
13	119	196	248	935	2,780	474	858	11,000	25,600	470	178	328
14	116	174	236	767	3,330	455	808	13,600	23,000	391	222	313
15	114	156	228	703	2,620	441	768	9,530	15,600	365	259	464
16	111	147	225	e600	1,620	431	709	3,960	7,590	346	253	723
17	109	144	222	e570	1,240	423	643	2,400	3,000	327	192	888
18	109	144	222	e600	1,080	414	611	2,080	2,290	312	166	559
19	108	145	219	634	1,010	401	589	1,900	2,140	411	157	416
20	108	144	216	910	1,030	390	570	1,760	1,940	371	265	356
21	108	142	214	1,400	997	399	549	1,570	1,710	317	312	322
22	108	137	210	1,750	928	1,230	507	1,220	1,570	289	431	294
23	107	136	e205	1,300	878	4,460	468	1,110	1,470	267	371	271
24	108	230	e203	794	888	5,170	444	1,110	1,380	247	1,510	256
25	105	512	215	728	865	2,200	438	1,170	1,320	228	7,000	247
26	116	404	201	613	821	1,370	454	809	1,570	218	15,700	236
27	138	383	195	541	779	1,160	454	605	1,610	226	17,900	226
28	153	323	195	509	751	1,050	437	541	1,560	229	13,700	220
29	151	291	195	501	---	976	421	500	1,530	229	4,690	212
30	138	285	197	502	---	921	410	470	1,480	216	1,600	206
31	123	---	196	521	---	867	---	521	---	204	1,150	---
MEAN	116	200	240	1,012	1,336	978	839	1,934	6,608	454	2,254	422
MAX	153	512	336	3,780	3,330	5,170	2,950	13,600	25,600	1,480	17,900	894
MIN	101	120	195	191	568	390	410	305	479	204	147	206
AC-FT	7,160	11,910	14,770	62,260	74,190	60,160	49,950	118,900	393,200	27,920	138,600	25,080

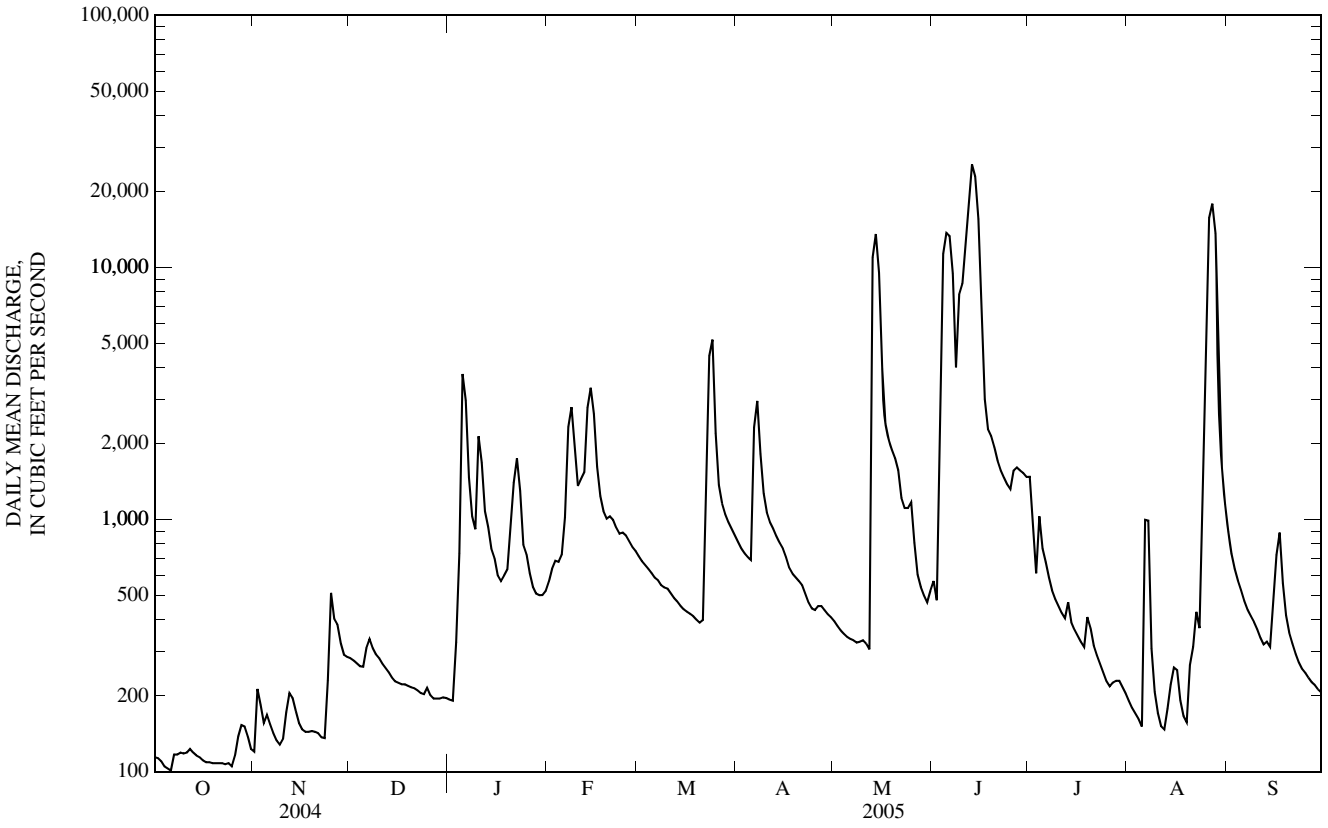
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005, BY WATER YEAR (WY)

MEAN	695	741	447	377	673	1,140	1,327	1,454	1,964	922	456	476
MAX	6,370	8,861	2,389	1,727	2,948	7,548	5,588	8,608	9,568	7,881	2,254	2,654
(WY)	(1986)	(1999)	(1993)	(1974)	(1973)	(1973)	(1999)	(1993)	(1965)	(1993)	(2005)	(1965)
MIN	12.3	29.5	31.9	38.0	31.9	43.0	48.2	51.2	127	42.0	21.4	20.6
(WY)	(1992)	(1981)	(1992)	(1981)	(1967)	(1981)	(1989)	(1967)	(1980)	(1980)	(1991)	(1980)

07182250 COTTONWOOD RIVER NEAR PLYMOUTH, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1964 - 2005	
ANNUAL MEAN	1,086		1,359		888	
HIGHEST ANNUAL MEAN					2,701	1993
LOWEST ANNUAL MEAN					121	1991
HIGHEST DAILY MEAN	18,100	Mar 5	25,600	Jun 13	73,500	Nov 2, 1998
LOWEST DAILY MEAN	101	Oct 6	101	Oct 6	8.7	Oct 21, 1964
ANNUAL SEVEN-DAY MINIMUM	107	Oct 19	107	Oct 19	11	Oct 18, 1964
MAXIMUM PEAK FLOW			27,400	Jun 13	92,900	Nov 2, 1998
MAXIMUM PEAK STAGE			33.85	Jun 13	36.78	Nov 2, 1998
INSTANTANEOUS LOW FLOW			99	Oct 6	8.7	Oct 21, 1964
ANNUAL RUNOFF (AC-FT)	788,200		984,200		643,600	
10 PERCENT EXCEEDS	2,240		2,240		1,900	
50 PERCENT EXCEEDS	297		455		262	
90 PERCENT EXCEEDS	125		142		47	

e Estimated



07182510 NEOSHO RIVER AT BURLINGTON, KS

LOCATION.--Lat 38°11'40", long 95°44'10", in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.26, T.21 S., R.15 E., Coffey County, Hydrologic Unit 11070204, on right bank at upstream side of county highway bridge at Burlington, 0.3 mi upstream from Rock Creek, and at mile 338.4.

DRAINAGE AREA.--3,042 mi^2, includes that of Rock Creek.

PERIOD OF RECORD.--June 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 983.56 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow completely regulated since 1963 by John Redmond Reservoir (station 07182450), 5.3 mi upstream. Records include flow of Rock Creek. 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	64	37	31	328	780	889	1,780	301	2,860	11,500	499	12,100
2	61	33	29	331	777	889	1,770	302	1,960	11,200	496	11,900
3	62	36	28	338	779	1,010	1,750	302	1,540	10,700	410	11,500
4	62	39	27	467	781	1,110	1,470	302	2,790	8,110	339	11,100
5	62	25	79	406	787	1,110	921	303	798	8,010	341	10,600
6	63	23	68	87	827	1,110	923	302	4,080	8,990	339	10,500
7	77	22	42	956	905	1,100	2,340	305	9,310	9,120	329	10,400
8	64	22	35	2,400	2,070	1,100	3,620	305	10,000	8,900	244	9,670
9	63	22	34	2,390	3,170	1,100	3,630	306	10,500	8,680	139	7,130
10	62	104	34	3,780	3,210	1,100	3,570	302	10,600	8,470	136	4,700
11	65	135	33	4,850	3,210	1,090	2,270	759	11,000	7,960	220	4,600
12	61	32	32	4,770	3,210	1,080	897	1,150	5,880	7,660	324	3,850
13	57	26	33	4,700	3,400	1,080	598	1,250	4,380	8,620	337	2,730
14	55	24	342	4,050	4,420	1,070	899	3,900	11,500	8,290	351	1,490
15	55	23	1,240	6,160	6,260	1,070	893	9,120	12,700	7,950	419	538
16	54	23	1,210	4,890	6,970	1,060	566	12,200	13,000	7,570	731	538
17	53	21	724	3,310	6,210	723	570	12,700	13,500	7,120	901	544
18	48	25	335	2,640	5,070	451	575	12,600	13,900	6,640	884	549
19	35	25	337	1,830	4,920	451	577	12,400	13,600	6,380	577	530
20	33	24	337	1,610	4,780	451	946	9,370	13,700	5,730	234	515
21	e33	24	336	1,610	4,610	274	1,220	8,940	13,400	4,240	231	512
22	33	24	338	1,610	4,450	50	1,220	8,590	12,400	3,700	351	517
23	30	26	322	1,640	2,610	44	1,200	8,220	12,200	3,590	682	377
24	29	187	338	1,870	867	168	1,200	4,980	12,300	3,480	977	240
25	29	148	333	2,770	865	1,350	1,190	3,150	12,300	3,330	1,730	239
26	37	37	332	3,060	869	2,040	1,190	4,680	12,100	3,240	325	239
27	38	31	331	2,970	875	2,040	1,170	4,750	11,900	2,620	1,440	240
28	46	28	331	1,710	886	2,940	840	4,610	11,800	2,070	6,380	242
29	33	34	331	767	---	3,600	465	4,470	11,600	1,150	10,100	137
30	31	34	328	768	---	3,500	303	4,320	11,400	505	12,400	31
31	31	---	329	773	---	2,800	---	3,460	---	504	12,500	---
MEAN	49.2	43.1	280	2,253	2,806	1,221	1,352	4,473	9,633	6,324	1,786	3,942
MAX	77	187	1,240	6,160	6,970	3,600	3,630	12,700	13,900	11,500	12,500	12,100
MIN	29	21	27	87	777	44	303	301	798	504	136	31
AC-FT	3,030	2,570	17,210	138,500	155,800	75,080	80,460	275,000	573,200	388,800	109,800	234,600

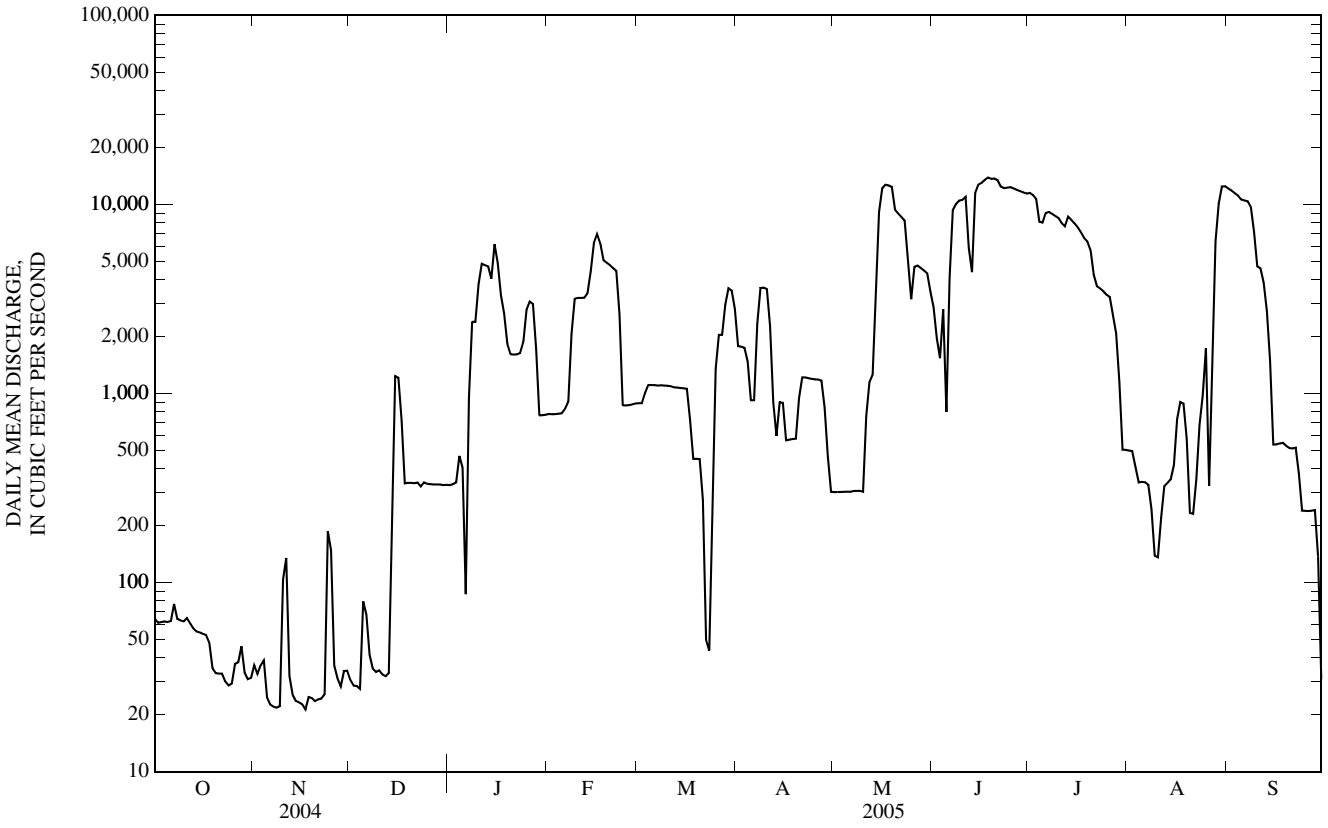
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2005, BY WATER YEAR (WY)

MEAN	1,269	1,372	988	788	1,017	1,838	2,189	2,450	3,567	2,209	958	925
MAX	11,540	15,410	6,925	3,578	5,363	7,637	8,191	9,790	12,890	7,332	10,330	6,599
(WY)	(1974)	(1999)	(1993)	(1973)	(1973)	(1973)	(1984)	(1999)	(1995)	(1969)	(1993)	(1962)
MIN	22.4	12.0	12.4	17.7	17.1	13.8	21.5	44.5	162	66.0	44.3	30.8
(WY)	(1989)	(1991)	(1991)	(1989)	(1989)	(1981)	(1981)	(1989)	(1988)	(1966)	(2002)	(1963)

07182510 NEOSHO RIVER AT BURLINGTON, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1962 - 2005	
ANNUAL MEAN	2,032		2,837		1,631	
HIGHEST ANNUAL MEAN					4,982	1993
LOWEST ANNUAL MEAN					190	1991
HIGHEST DAILY MEAN	13,200	Mar 10	13,900	Jun 18	23,900	Sep 28, 1962
LOWEST DAILY MEAN	21	Nov 17	21	Nov 17	0.86	Nov 28, 1980
ANNUAL SEVEN-DAY MINIMUM	24	Nov 14	24	Nov 14	1.3	Sep 14, 1963
MAXIMUM PEAK FLOW			14,900	May 19	26,200	Sep 13, 1961
MAXIMUM PEAK STAGE			21.57	May 19	31.53	Sep 13, 1961
INSTANTANEOUS LOW FLOW			20	Nov 8	0.00	Nov 28, 1980
ANNUAL RUNOFF (AC-FT)	1,475,000		2,054,000		1,182,000	
10 PERCENT EXCEEDS	8,240		10,200		5,220	
50 PERCENT EXCEEDS	504		897		399	
90 PERCENT EXCEEDS	34		33		28	

e Estimated



07183000 NEOSHO RIVER NEAR IOLA, KS

LOCATION.--Lat 37°55'20", long 95°25'39", in NE 1/4 NE 1/4 NE 1/4 sec.33, T.24 S., R.18 E., Allen County, Hydrologic Unit 11070204, on right bank upstream side of State Highway 54 bridge, 1.0 mi west of State Street in Iola, and at mile 282.1.

DRAINAGE AREA.--3,723 mi^2.

PERIOD OF RECORD.--August 1895 to December 1903 (published as "at Iola"), October 1917 to current year. Monthly discharge only for some periods, published in WSP 1311. Figures of daily discharge for August 1895 to January 1898, published in previous reports, have been found to be unreliable and should not be used.

REVISED RECORDS.--WSP 1037: 1819-24, 1926-29, 1935(M). WSP 1117: Drainage area. WSP 1311: 1895-98. WSP 1391: 1896(M), 1899, 1901-02(M), 1903-04.

GAGE.--Water-stage recorder. Datum of gage is 928.92 ft above NGVD of 1929 (levels by U.S., Army Corps of Engineers). Prior to Oct. 1, 1917, nonrecording gage at tailgate of flume at mill dam, 4.8 mi upstream at datum 12.2 ft higher. Oct. 1, 1917 to May 9, 2005, at site 5.3 mi downstream at a datum 14.15 ft lower.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Considerable regulation since 1963 by John Redmond Reservoir (station 07182450), 54.0 mi upstream. 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	65	465	995	379	939	1,030	2,560	322	3,150	12,700	562	12,500
2	64	928	603	379	1,040	1,000	1,920	305	2,960	12,700	552	12,200
3	63	878	429	399	979	982	1,880	300	1,670	10,500	543	11,800
4	61	2,450	342	1,080	914	1,120	1,830	297	15,800	14,400	453	11,300
5	59	1,310	781	12,500	881	1,180	1,390	296	25,500	12,900	364	10,800
6	60	487	4,520	5,900	913	1,170	940	296	6,990	9,150	360	10,400
7	95	278	2,790	1,560	2,240	1,160	921	295	8,740	9,130	361	10,500
8	120	188	1,350	2,000	2,630	1,140	2,960	304	10,200	8,930	351	10,200
9	100	145	706	3,100	3,260	1,140	3,570	e342	10,100	8,800	287	9,580
10	81	187	467	5,400	3,530	1,130	3,570	e342	10,500	8,670	167	5,810
11	104	5,040	356	6,210	3,500	1,120	3,510	e366	16,200	8,460	155	4,500
12	146	3,100	296	5,800	3,490	1,110	1,830	e889	28,500	7,500	211	4,170
13	108	904	254	6,960	5,170	1,090	879	e2,620	33,000	8,530	515	2,810
14	86	435	216	4,720	6,130	1,070	620	e5,000	30,200	8,630	1,370	2,210
15	85	296	378	5,410	5,730	1,060	926	e9,590	17,800	8,330	1,090	1,010
16	81	232	1,200	6,390	6,770	1,060	842	e12,500	14,700	7,860	642	544
17	77	195	1,210	4,630	6,770	1,050	567	13,000	13,900	7,430	858	492
18	77	193	755	3,580	5,600	715	552	13,600	13,900	6,970	940	502
19	75	236	427	2,650	5,000	485	551	20,900	13,900	6,690	911	493
20	71	254	406	2,000	4,890	471	559	19,200	13,500	7,050	594	477
21	62	219	403	1,950	4,760	474	953	9,950	13,700	5,340	271	476
22	58	194	391	1,950	4,530	486	1,180	9,100	12,700	4,250	242	475
23	59	244	347	1,830	4,280	1,050	1,180	8,730	11,700	3,710	412	467
24	52	8,130	364	1,820	2,330	699	1,170	8,170	11,400	3,560	956	351
25	50	5,700	421	2,260	1,370	460	1,170	3,200	11,600	3,430	9,960	220
26	68	1,970	381	3,170	1,180	1,770	1,170	4,200	11,500	3,300	23,800	209
27	212	3,600	364	3,220	1,100	2,290	1,150	4,780	11,300	3,190	8,970	206
28	569	1,670	370	3,130	1,060	2,290	1,130	4,680	11,100	2,250	4,540	205
29	863	1,230	373	1,470	---	3,470	782	4,460	10,800	1,980	8,850	203
30	325	1,680	382	873	---	3,650	481	4,300	10,500	939	11,300	159
31	164	---	380	885	---	3,570	---	4,120	---	582	12,600	---
MEAN	134	1,428	731	3,342	3,250	1,306	1,425	5,369	13,580	7,028	3,006	4,176
MAX	863	8,130	4,520	12,500	6,770	3,650	3,570	20,900	33,000	14,400	23,800	12,500
MIN	50	145	216	379	881	460	481	295	1,670	582	155	159
AC-FT	8,250	84,970	44,940	205,500	180,500	80,320	84,780	330,200	808,300	432,100	184,800	248,500

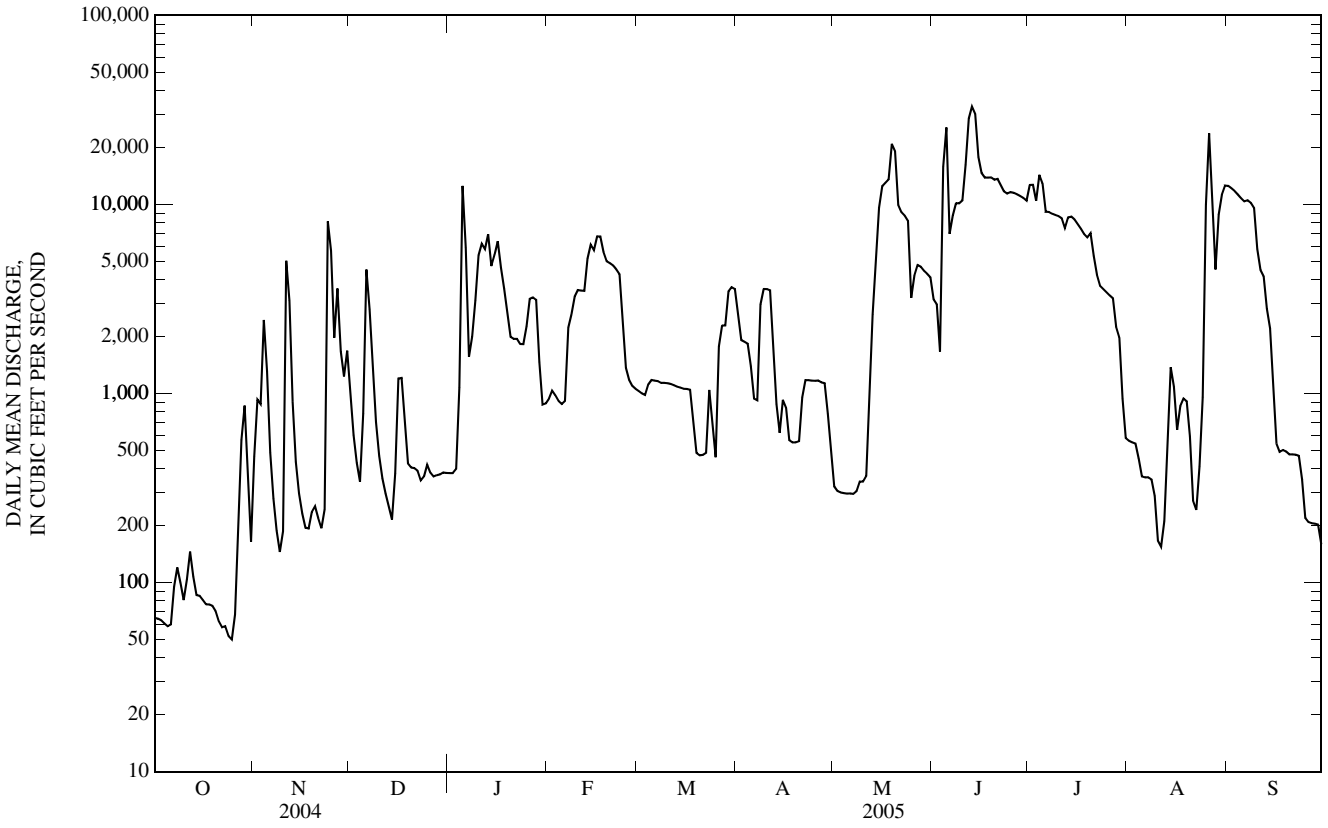
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1899 - 2005, BY WATER YEAR (WY)

MEAN	1,497	1,433	985	828	1,044	1,985	2,849	3,031	3,776	2,642	1,153	1,376
MAX	15,890	18,520	9,116	4,773	6,994	11,010	19,580	14,270	15,390	43,540	10,700	11,140
(WY)	(1942)	(1999)	(1993)	(1993)	(1949)	(1973)	(1944)	(1938)	(1995)	(1951)	(1993)	(1951)
MIN	0.21	0.52	1.39	1.33	3.24	11.4	19.8	82.3	126	10.8	1.10	0.64
(WY)	(1957)	(1957)	(1957)	(1957)	(1957)	(1956)	(1981)	(1967)	(1933)	(1954)	(1936)	(1956)

07183000 NEOSHO RIVER NEAR IOLA, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1899 - 2005	
ANNUAL MEAN	2,467		3,720		1,884	
HIGHEST ANNUAL MEAN					6,635	1951
LOWEST ANNUAL MEAN					141	1956
HIGHEST DAILY MEAN	27,500	Mar 5	33,000	Jun 13	344,000	Jul 13, 1951
LOWEST DAILY MEAN	50	Oct 25	50	Oct 25	0.00	Aug 19, 1936
ANNUAL SEVEN-DAY MINIMUM	60	Oct 20	60	Oct 20	0.00	Aug 19, 1936
MAXIMUM PEAK FLOW			34,400	Jun 13	436,000	Jul 13, 1951
MAXIMUM PEAK STAGE			18.56	Jun 13	43.00	Jul 13, 1951
INSTANTANEOUS LOW FLOW			47	Oct 25	0.00	at times
ANNUAL RUNOFF (AC-FT)	1,791,000		2,693,000		1,365,000	
10 PERCENT EXCEEDS	8,380		11,200		5,340	
50 PERCENT EXCEEDS	784		1,170		406	
90 PERCENT EXCEEDS	95		200		35	

e Estimated



07183500 NEOSHO RIVER NEAR PARSONS, KS

LOCATION.--Lat 37°20'24", long 95°06'35", in NE ¼ NW ¼ NE ¼ sec.21, T.31 S., R.21 E., Labette County, Hydrologic Unit 11070205, on right bank at downstream side of bridge on U.S. Highway 160, 0.4 mi upstream from Hickory Creek, 2.7 mi upstream from dam of Kansas Army Ammunition Plant, 8.0 mi east of Parsons, and at mile 204.1.

DRAINAGE AREA.--4,905 mi^2.

PERIOD OF RECORD.--October 1921 to current year. Monthly discharge only October 1921, published in WSP 1311.

REVISED RECORDS.--WSP 807: 1922-23. WSP 1391: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 810.25 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to Oct. 1, 1929, nonrecording gage at bridge 0.5 mi downstream at datum 0.04 ft lower. Oct. 1, 1929, to Feb. 7, 1935, nonrecording gage, and Feb. 8, 1935, to Dec. 7, 1966, water-stage recorder at present site and datum. Dec. 8, 1966, to June 8, 1987, water-stage recorder 2.7 mi downstream at present datum.

REMARKS.--Records good. Flow moderately regulated since 1963 by John Redmond Reservoir (station 07182450), 139.6 mi upstream. Small diversion by the Kansas Army Ammunition Plant. Records include flow of Hickory Creek. Satellite telemeter at station.

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

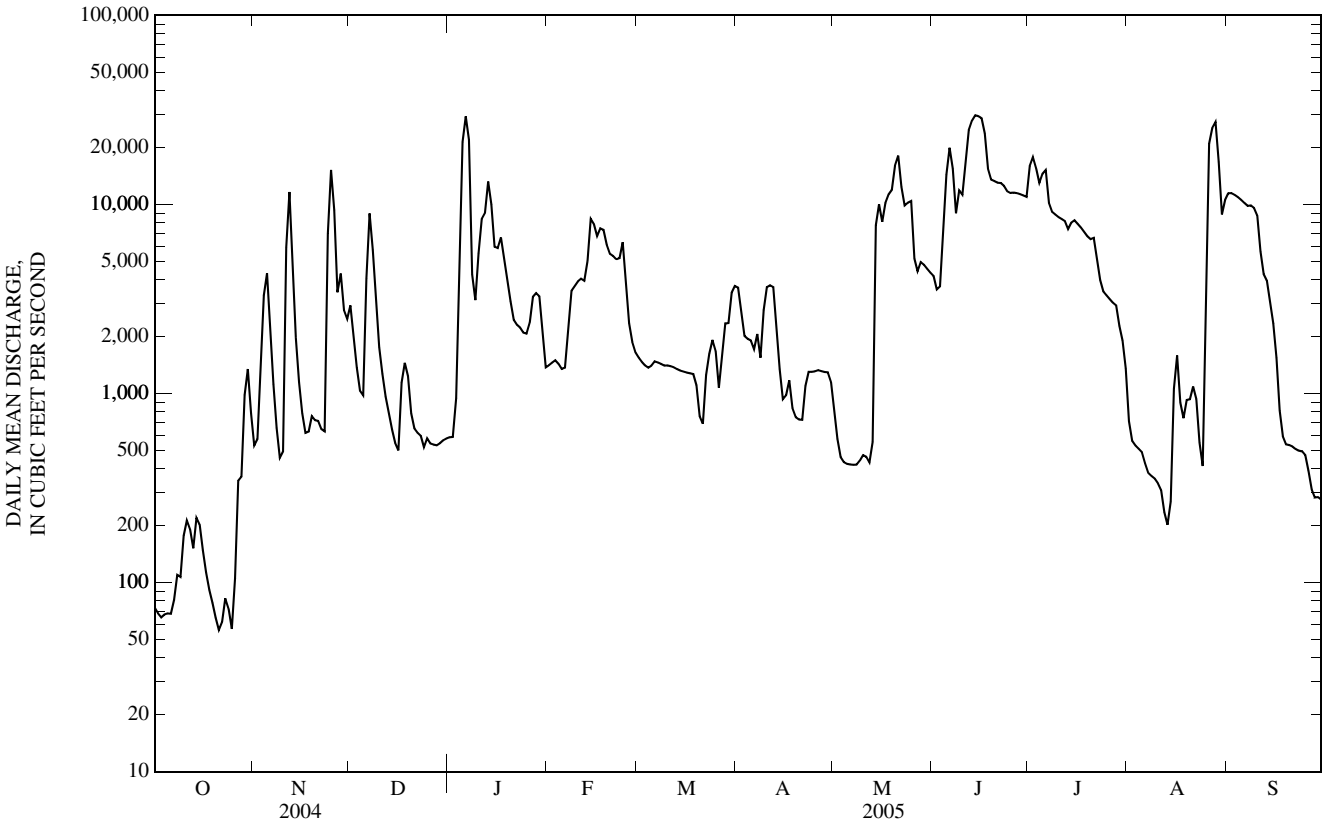
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	530	2,930	587	1,410	1,550	3,630	800	4,180	16,000	713	11,500
2	69	573	1,950	589	1,450	1,470	2,700	574	3,560	17,800	562	11,500
3	65	1,620	1,370	944	1,500	1,410	2,020	461	3,690	15,500	530	11,200
4	68	3,310	1,030	2,980	1,440	1,370	1,940	434	7,380	13,000	510	10,900
5	69	4,320	977	21,400	1,350	1,400	1,910	425	14,400	14,500	490	10,600
6	68	2,250	4,070	29,200	1,370	1,480	1,720	422	19,900	15,200	427	10,200
7	81	1,120	8,970	22,000	2,320	1,460	2,060	420	15,400	10,200	380	9,830
8	110	657	5,740	4,260	3,500	1,430	1,550	420	8,980	9,130	366	9,880
9	107	457	2,970	3,120	3,700	1,410	2,760	442	11,900	8,840	355	9,570
10	177	492	1,760	5,520	3,910	1,410	3,650	472	11,300	8,570	336	8,740
11	213	5,930	1,270	8,390	4,050	1,390	3,740	463	16,200	8,380	309	5,650
12	192	11,600	965	9,010	3,940	1,370	3,660	431	24,700	8,170	236	4,290
13	152	5,190	791	13,200	5,010	1,350	2,270	553	27,700	7,410	202	3,960
14	220	1,970	647	10,000	8,400	1,320	1,350	7,760	29,600	8,000	268	3,040
15	203	1,150	548	5,970	7,860	1,300	931	10,000	29,300	8,240	1,060	2,350
16	148	787	500	5,870	6,800	1,290	978	8,090	28,600	7,890	1,590	1,550
17	113	619	1,140	6,680	7,470	1,280	1,180	10,200	23,700	7,550	895	813
18	92	628	1,450	5,100	7,340	1,270	836	11,300	15,500	7,170	740	594
19	78	759	1,240	3,960	6,130	1,100	749	11,900	13,500	6,790	924	539
20	65	723	787	3,070	5,480	759	729	16,000	13,300	6,550	934	533
21	56	716	653	2,450	5,340	693	726	18,100	13,000	6,660	1,090	524
22	62	648	620	2,310	5,130	1,250	1,100	12,400	13,000	5,080	935	508
23	83	631	597	2,230	5,190	1,620	1,300	9,860	12,500	3,980	550	499
24	73	7,000	519	2,100	6,310	1,920	1,300	10,200	11,700	3,470	413	496
25	57	15,200	579	2,070	3,890	1,680	1,310	10,400	11,500	3,310	4,370	473
26	105	9,330	544	2,370	2,350	1,070	1,330	5,180	11,500	3,160	21,000	390
27	345	3,430	537	3,250	1,870	1,640	1,310	4,430	11,500	3,030	25,400	312
28	363	4,310	533	3,400	1,650	2,340	1,300	4,950	11,300	2,920	27,300	282
29	982	2,770	546	3,270	---	2,360	1,290	4,800	11,100	2,280	16,800	283
30	1,350	2,480	566	2,050	---	3,410	1,150	4,570	11,000	1,910	8,870	275
31	788	---	578	1,380	---	3,700	---	4,360	---	1,360	10,600	---
MEAN	214	3,040	1,528	6,088	4,149	1,565	1,749	5,510	14,700	7,808	4,166	4,376
MAX	1,350	15,200	8,970	29,200	8,400	3,700	3,740	18,100	29,600	17,800	27,300	11,500
MIN	56	457	500	587	1,350	693	726	420	3,560	1,360	202	275
AC-FT	13,140	180,900	93,970	374,300	230,400	96,200	104,100	338,800	874,500	480,100	256,200	260,400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2005, BY WATER YEAR (WY)

MEAN	2,232	2,238	1,457	1,312	1,705	2,998	4,246	4,429	5,315	3,667	1,391	1,939
MAX	25,520	20,340	12,760	7,762	9,492	18,100	25,520	22,110	20,610	52,780	11,140	15,030
(WY)	(1987)	(1999)	(1993)	(1973)	(1949)	(1973)	(1927)	(1961)	(1995)	(1951)	(1993)	(1951)
MIN	0.00	0.00	0.00	0.00	0.00	8.10	18.6	282	210	10.8	0.00	0.90
(WY)	(1957)	(1957)	(1957)	(1957)	(1957)	(1957)	(1981)	(1967)	(1980)	(1954)	(1936)	(1956)

07183500 NEOSHO RIVER NEAR PARSONS, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1922 - 2005	
ANNUAL MEAN	3,498		4,562		2,744	
HIGHEST ANNUAL MEAN					8,611	1993
LOWEST ANNUAL MEAN					173	1953
HIGHEST DAILY MEAN	29,400	Mar 7	29,600	Jun 14	366,000	Jul 14, 1951
LOWEST DAILY MEAN	56	Oct 21	56	Oct 21	0.00	Aug 26, 1934
ANNUAL SEVEN-DAY MINIMUM	68	Oct 19	68	Oct 19	0.00	Aug 26, 1934
MAXIMUM PEAK FLOW			30,200	Jan 6	410,000	Jul 14, 1951
MAXIMUM PEAK STAGE			25.55	Jan 6	40.20	Jul 14, 1951
INSTANTANEOUS LOW FLOW			53	Oct 21	0.00	at times
ANNUAL RUNOFF (AC-FT)	2,539,000		3,303,000		1,988,000	
10 PERCENT EXCEEDS	10,400		11,800		8,120	
50 PERCENT EXCEEDS	1,340		1,910		600	
90 PERCENT EXCEEDS	191		351		42	



07184000 LIGHTNING CREEK NEAR MCCUNE, KS

LOCATION.--Lat 37°16'52", long 95°01'57", in NE $^1/_4$ NE $^1/_4$ sec.7, T.32 S., R.22 E., Cherokee County, Hydrologic Unit 11070205, on right bank at downstream side of county highway bridge, 5.0 mi south of McCune, 13.0 mi southeast of Parsons, and at mile 12.6.

DRAINAGE AREA.--197 mi^2.

PERIOD OF RECORD.--October 1938 to September 1946, October 1959 to current year.

REVISED RECORDS.--WDR KS-86-1: 1993. WDR KS-87-1: 1993.

GAGE.--Water-stage recorder. Datum of gage is 818.10 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to Mar. 10, 1945, nonrecording gage and Mar. 10, 1945, to Sept. 30, 1946, water-stage recorder at present site and datum. Oct. 1, 1959, to May 26, 1960, water-stage recorder 100 ft downstream at present datum. Satellite telemeter at station.

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 1,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 12	0315	2,140	11.19	Jun 12	0600	1,870	10.31
Nov 25	0200	2,100	11.07	Jun 14	0200	2,620	12.66
Jan 6	0300	*7,280	*16.43	Jul 1	1800	1,890	10.37
Jan 14	0100	3,090	13.98	Jul 20	0100	2,110	11.08
May 14	2100	1,800	10.07				

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	0.00	16	190	13	43	54	25	24	4.4	1,410	e2.8	0.30
2	0.00	15	105	14	40	44	28	26	12	804	e2.4	0.26
3	0.00	57	65	17	36	37	25	16	13	128	e2.0	0.23
4	0.00	237	46	467	31	32	20	12	387	386	e1.7	0.20
5	0.00	172	70	3,980	28	29	17	9.1	166	488	e1.5	0.17
6	0.00	48	831	5,960	37	26	28	7.5	327	130	e1.2	0.13
7	0.00	22	1,350	1,480	265	24	512	6.4	357	58	e0.89	0.10
8	0.00	13	635	247	265	22	313	5.7	69	33	e0.68	0.07
9	0.00	7.3	187	218	215	21	125	5.2	786	22	e0.58	0.06
10	0.00	8.8	105	361	177	18	75	4.6	617	15	e0.47	0.03
11	0.00	1,210	68	285	115	17	97	4.6	573	12	e0.53	0.02
12	0.00	1,660	50	581	90	15	62	4.1	1,550	8.7	e0.62	0.02
13	0.00	252	38	2,710	708	14	51	4.0	1,950	6.5	e0.63	0.01
14	0.00	77	30	1,880	712	13	36	888	1,900	4.8	e0.80	0.07
15	0.00	39	25	240	219	12	26	859	279	3.7	e5.6	0.22
16	0.00	26	22	127	127	12	21	134	136	3.0	e38	0.17
17	0.00	19	20	112	86	10	17	64	96	2.6	e18	0.15
18	0.00	21	18	84	62	9.5	14	36	64	2.8	4.6	0.52
19	0.00	34	17	68	51	8.8	12	23	41	830	2.9	0.64
20	0.00	28	16	66	46	8.4	12	19	29	1,360	2.0	0.51
21	0.00	31	14	67	49	9.2	11	13	21	e203	1.4	0.35
22	0.00	42	13	65	48	114	45	8.8	17	e108	1.2	0.27
23	0.00	68	10	51	79	387	72	7.3	13	e66	1.1	0.22
24	0.00	1,190	9.0	40	450	138	26	141	11	e42	0.89	0.14
25	0.00	1,510	7.7	34	220	238	14	228	8.4	e28	0.75	0.09
26	0.01	261	9.0	34	123	176	13	80	6.4	e19	0.63	0.04
27	0.02	151	8.9	32	86	99	13	30	5.2	e13	0.52	0.05
28	2.0	338	9.3	31	65	65	13	16	4.2	e8.4	0.47	0.05
29	220	278	10	31	---	48	13	11	3.3	e5.8	0.41	0.04
30	76	494	11	32	---	36	13	7.6	2.7	e4.3	0.31	0.03
31	25	---	11	39	---	28	---	5.2	---	e3.2	0.27	---
MEAN	10.4	278	129	625	160	56.9	58.3	87.1	315	200	3.09	0.17
MAX	220	1,660	1,350	5,960	712	387	512	888	1,950	1,410	38	0.64
MIN	0.00	7.3	7.7	13	28	8.4	11	4.0	2.7	2.6	0.27	0.01
AC-FT	641	16,510	7,940	38,410	8,870	3,500	3,470	5,360	18,740	12,320	190	10

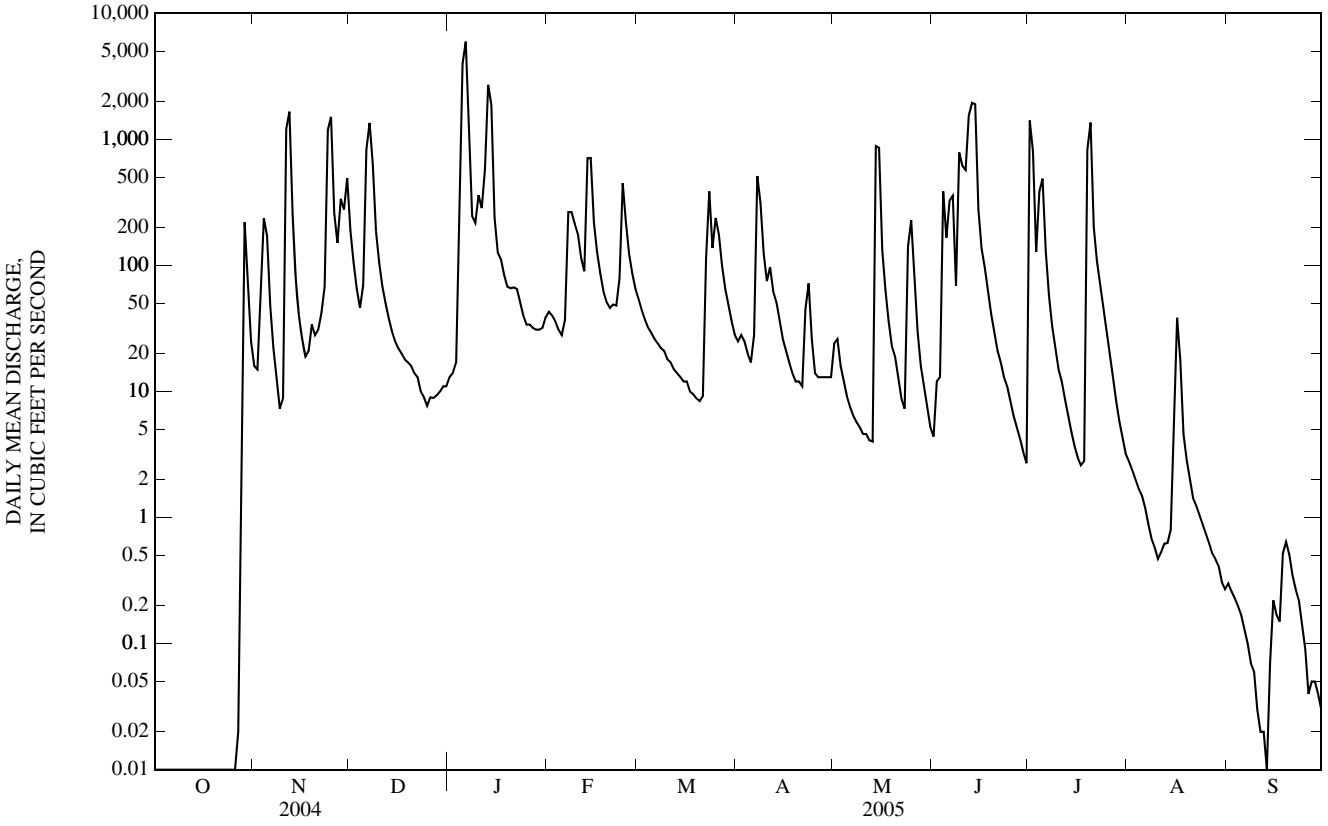
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2005, BY WATER YEAR (WY)

MEAN	175	171	116	109	131	204	250	285	281	93.8	38.4	142
MAX	2,924	907	751	625	1,033	1,091	1,700	2,227	1,612	1,418	488	2,102
(WY)	(1987)	(1975)	(1993)	(2005)	(1985)	(1973)	(1994)	(1943)	(1995)	(1992)	(1985)	(1993)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.18	7.58	0.55	0.00	0.00	0.00
(WY)	(1939)	(1939)	(1939)	(1939)	(1939)	(1964)	(1981)	(1988)	(1980)	(1991)	(1946)	(1946)

07184000 LIGHTNING CREEK NEAR MCCUNE, KS—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1939 - 2005	
ANNUAL MEAN	189		160		166	
HIGHEST ANNUAL MEAN					498	1993
LOWEST ANNUAL MEAN					18.0	1940
HIGHEST DAILY MEAN	13,600	Mar 5	5,960	Jan 6	42,400	Sep 25, 1993
LOWEST DAILY MEAN	0.00	Sep 20	0.00	Oct 1	0.00	Oct 1, 1938
ANNUAL SEVEN-DAY MINIMUM	0.00	Sep 20	0.00	Oct 1	0.00	Oct 1, 1938
MAXIMUM PEAK FLOW			7,280	Jan 6	67,500	Sep 25, 1993
MAXIMUM PEAK STAGE			16.43	Jan 6	19.79	Sep 25, 1993
INSTANTANEOUS LOW FLOW			0.00	Oct 1	0.00	most years
ANNUAL RUNOFF (AC-FT)	137,500		116,000		120,400	
10 PERCENT EXCEEDS	240		359		258	
50 PERCENT EXCEEDS	24		20		12	
90 PERCENT EXCEEDS	0.01		0.06		0.00	

e Estimated



As the number of streams on which streamflow information is likely to be desired far exceeds the number of streamflow-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than streamflow-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or high-flow analyses, depending on the type of data collected.

High-flow stations

The following table contains annual maximum discharges for high-flow stations. A high-flow gage is a device that will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow, by current meter, or by acoustic doppler current profilers. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby complete-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lesser floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at high-flow stations

Station name and number (fig. 3)	Location and drainage area	Period of record	Water year 2005 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
			Wolf River Basin					
Buttermilk Creek near Willis, KS (06815700)	Lat 39°45'16", long 95°27'02", in SW1/4 SW1/4 sec.30, T.3 S., R.18 E, Brown County, Hydrologic Unit 10240005, at downstream side of county highway bridge, 3.6 mi northeast of Willis. Published as "South Branch Wolf Creek tributary" 1957-60, as "South Fork Wolf River tributary" 1961. Drainage area is 3.74 mi^2.	1957-05	6-11-05	13.97	1,030	6-08-84	20.18	6,000
			Independence Creek Basin					
White Clay Creek at Atchison, KS (06818260)	Lat 39°33'33", long 95°07'38", in SW1/4 NE1/4 sec.1, T.6 S., R.20 E., Atchison County, Hydrologic Unit 10240011, on right bank at center of highway bridge, on 10th Street in Atchison, and 0.15 mi downstream from Brewery Creek. Drainage area is 13.1 mi^2.	1972-05	6-05-05	9.39	596	6-08-82	16.07	5,410
			Kansas River Basin					
Long Branch Draw near Norcatur, KS (06845100)	Lat 39°54'06", long 100°10'43", in SW1/4 SW1/4 sec.6, T.2 S., R.25 W., Decatur-Norton County line, Hydrologic Unit 10250011, on downstream side of county highway bridge, 4.7 mi north of Norcatur. Drainage area is 31.7 mi^2.	1957-05	9-06-05	17.45	147	6-15-57	26.40	2,680
Prairie Dog Creek tributary at Colby, KS (06847600)	Lat 39°23'28", long 101°02'43", in SW1/4 NW1/4 NE1/4 sec.6, T.8 S., R.33 W., Thomas County, Hydrologic Unit 10250015, at downstream side of bridge on Franklin Avenue in Colby. Prior to Mar. 31, 1971, at site 0.3 mi upstream at same datum. Drainage area is 7.53 mi^2.	1957-05	8-25-05	11.54	89	6-18-75	27.44	4,300

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Annual maximum discharge at high-flow stations

Station name and number (fig. 3)	Location and drainage area	Period of record	Water year 2005 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
			Kansas River Basin--Continued					
Elk Creek at Clyde, KS (06856320)	Lat 39°35'40", long 97°23'49", in NE 1/4 NE1/4 NW1/4 sec.26, T.5 S., R.1 W., Republic County, Hydrologic Unit 10250017, on abutment of old railroad bridge at north edge of Clyde, 1.5 mi upstream from mouth. Drainage area is 73.0 mi^2.	1970-05	2005	+	<606	9-26-73 7-23-93	15.30 18.47b	6,000
Big Creek tributary near Ogallah, KS (06863400)	Lat 38°56'00", long 99°44'33", in NW 1/4 SW1/4 sec.11, T.13 S., R.22 W., Trego County, Hydrologic Unit 110260007, at downstream side of bridge on State Highway 147, 4.0 mi southwest of Ogallah. Drainage area is 4.81 mi^2.	1957-05	6-09-05	10.46	e2.0	3-24-87	15.20	4,100
Big Creek tributary near Hays, KS (06863700)	Lat 38°51'08", long 99°14'48", in SE 1/4 NE1/4 sec.7, T.14 S., R.17 W., Ellis County, Hydrologic Unit 10260007, at downstream side of culvert on old U.S. Highway 40 at Toulon, 4.7 mi southeast of Hays. Drainage area is 6.19 mi^2.	1957-05	2005	+	<9.8	5-29-59	13.10	1,100
Smoky Hill River tributary at Dorrance, KS (06864300)	Lat 38°50'52", long 98°35'44", in NE 1/4 SE1/4 sec.12, T.14 S., R.12 W., Russell County, Hydrologic Unit 10260006, at downstream end of culvert on old U.S. Highway 40 at Dorrance. Drainage area is 5.39 mi^2.	1957-05	4-06-05	11.27	e10	9-03-75	14.62	2,400
Coon Creek tributary near Luray, KS (06868300)	Lat 39°10'30", long 98°42'02" in NW 1/4 NE1/4 sec.19, T.10 S., R.12 W., Osborne County, Hydrologic Unit 10260010, at downstream side of county highway bridge, 4.4 mi southwest of Luray. Drainage area is 6.53 mi^2.	1957-05	4-06-05	15.46	202	7-02-82	21.13	4,210
Ash Creek tributary near Stockton, KS (06873300)	Lat 39°26'15", long 99°22'16 " in SE 1/4 SW1/4 sec.18, T.7 S., R.18 W., Rooks County, Hydrologic Unit 10260014, at upstream end of culvert on old U.S. Highway 24, 5.3 mi west of Stockton. Drainage area is 0.89 mi^2.	1957-05	8-28-05	10.57	35	5-12-93	15.54	530
Mud Creek at Abilene, KS (06877120)	Lat 38°55'47", long 97°13'39", in NE 1/4 NE1/4 sec.17, T.13 S., R.2 E., Dickinson County, Hydrologic Unit 10260008, at downstream side of bridge on old U.S. Highway 40 on north edge of Abilene. Drainage area is 87.0 mi^2.	1970-05	6-03-05	14.44	6,420	11-04-98	17.73	15,000

b Backwater, discharge not determined

e Estimated.

+ Not determined.

< Maximum discharge less than value shown.

Annual maximum discharge at high-flow stations

Station name and number (fig. 3)	Location and drainage area	Period of record	Water year 2005 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
			Kansas River Basin--Continued					
Mill Creek tributary near Washington, KS (06884300)	Lat 39°48'48", long 97°00'30", in SW 1/4 SW1/4 sec.5, T.3 S., R.4 E., Washington County, Hydrologic Unit 10270207, at downstream end of culvert on U.S. Highway 36, 2.2 mi east of Washington. Drainage area	1957-05	4-06-05	14.15	413	6-18-83	19.90	2,500
Cedar Creek near Manhattan, KS (06887200)	Lat 39°15'31", long 96°33'48", in NE 1/4 NE1/4 sec.19, T.9 S., R.8 E., Pottawatomie County, Hydrologic Unit 10270205, at downstream side of county highway bridge, 5.5 mi north of Manhattan. Drainage area is 13.4 mi^2.	1957-05	6-10-05	19.32	3,570	6-27-99	23.61	12,000
Indian Creek near Topeka, KS (06889550)	Lat 39°07'27", long 95°39'05", in SE 1/4 SE1/4 NE1/4 sec.5, T.11 S., R.16 E., Shawnee County, Hydrologic Unit 10270102, 3.0 mi north of Topeka, 2.7 mi uptream from Soldier Creek (new channel). Drainage area is 9.72 mi^2.	1970-05	9-23-05	15.61	2,490	7-27-81 6-28-99	17.87 16.73	2,700 3,400
Shunganunga Creek at Topeka, KS (06889630)	Lat 39°01'54 ", long 95°40'57", in SW1/4 SE1/4 SW1/4 sec.6, T.12 S., R.16 E., Shawnee County, Hydrologic Unit 10270102, on downstream side of bridge on U.S. Highway 75, 700 ft north of 21st Street in Topeka. Drainage area is 33.5 mi^2.	1970-05	8-20-05	13.52	2,210	7-20-73	15.18 8-23-04	3,300 15.88
Naismith Creek at Lawrence, KS (06891650)	Lat 38°56'03", long 95°15'08", in NE 1/4 NE1/4 SW1/4 sec.12, T.13 S., R.19 E., Douglas County, Hydrologic Unit 10270104, at downstream side of 27th Street bridge in Lawrence, 6 mi above mouth. Drainage area is 1.54 mi^2.	1974-88, 2003-05	8-13-05	13.94	535	6-24-77	15.80	2,500
			Osage River Basin					
South Fork Pottawatomie Creek tributary near Garnett, KS (06914250)	Lat 38°14'00", long 95°14'52", in NW 1/4 SE1/4 sec.7, T.21 S., R.20 E., Anderson County, Hydrologic Unit 10290101, above culvert on U.S. Highway 59, 3.1 mi south of Garnett. Drainage area is 0.35 mi^2.	1963-05	2005	+	<34.0	6-21-67	14.98	600
Big Bull Creek at Paola, KS (0691500)	Lat 38°34'36", long 94°53'44", in NW1/4 NE1/4 NW1/4 sec.17, T.17 S., R.23 E., Miami County, Hydrologic Unit 10290102, on downstream side of bridge on county highway (extension of Peoria Street), 0.5 mi west of Paola, and 9.0 mi upstream from mouth. Drainage area is 230 mi^2.	1970-05	6-04-05	18.13	5,260	10-11-73	25.18	39,000

+ Not determined.

< Maximum discharge less than value shown.

Annual maximum discharge at high-flow stations

Station name and number (fig. 3)	Location and drainage area	Period of record	Water year 2005 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
			Osage River Basin--Continued					
Marmaton River tributary near Fort Scott, KS (06917400)	Lat 37°47'26", long 94°47'47", in SE 1/4 SE1/4 SE1/4 sec.8, T.26 S., R. 24 E., Bourbon County, Hydrologic Unit 10290104, at downstream side of county highway bridge, 6.0 mi southwest of Fort Scott. Drainage area is 2.80 mi^2.	1957-05	1-05-05	13.66	920	9-14-98	17.23	2,160
			Arkansas River Basin					
White Woman Creek tributary near Selkirk, KS (07138600)	Lat 38°31'30", long 101°37'16", in SW1/4 SW1/4 sec.34, T.17 S., R.39 W., Greeley County, Hydrologic Unit 11030002, at downstream side of county highway bridge, 5.6 mi northwest of Selkirk. Drainage area is 38.0 mi^2, of which 7.59 mi^2 is contributing.	1957-05	2005		no peak	7-09-72	13.06	1,000
Arkansas River tributary near Dodge City, KS (07139700)	Lat 37°42'52", long 100°00'53", in SE1/4 NE1/4 sec.11, T.27 S., R.25 W., Ford County, Hydrologic Unit 11030004, at downstream side of culvert on U.S. Highway 283, 2.6 mi south of Dodge City. Prior to Mar. 1, 1959, above culvert 175 ft north of present site at same datum. Records for 1957-58 discredited. Drainage area is 8.66 mi^2.	1957-05	6-10-05	13.53	e100	9-12-97	16.32	1,730
North Fork Walnut Creek near Ness City, KS (07141350)	Lat 38°28'49", long 99°59'28", in SW1/4 SW1/4 SW1/4 sec.16, T.18 S., R.24 W., Ness County, Hydrologic Unit 11030007, at downstream side of bridge on Ness County Road 533 and 4.5 mi west and 2 mi north of Ness City. Drainage area is 470 mi^2.	2003-05	2005	+	<1.0	6-19-04	14.85	36
Little Cheyenne Creek tributary near Claflin, KS (07143100)	Lat 38°27'25", long 98°32'08", in NE 1/4 SE1/4 sec.28, T.18 S., R.11 W., Barton County, Hydrologic Unit 11030011, at culvert on county highway, 4.7 mi south of Claflin. Published as "Cheyenne Creek tributary" 1957-70. Drainage area is 1.48 mi^2.	1957-05	8-19-05	10.58	4.2	6-22-81	12.82	570
Gypsum Creek at Oliver Street at Wichita, KS (07144325)	Lat 37°38'49", long 97°16'49", in SE 1/4 NE1/4 NE1/4 sec.2, T.28 S., R.1 E., Sedgwick County, Hydrologic Unit 11030013, at downstream right side of Oliver Street bridge in Wichita. Gage height for 1968-77 and 1983-84 is unreliable and should not be used. Drainage area is 16.4 mi^2.	1968-77 1983-84 2004p-05	8-25-05	13.89	2,570	5-13-04	16.00	3,900

e Estimated.

+ Not determined.

< Maximum discharge less than value shown.

p Partial water year.

Annual maximum discharge at high-flow stations

Station name and number (fig. 3)	Location and drainage area	Period of record	Water year 2005 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
Arkansas River Basin--Continued								
Dry Creek at Lincoln Street at Wichita, KS (07144330)	Lat 37°40'18", long 97°16'43", in SW1/4 SW1/4 NW1/4 sec.25, T.27 S., R.1 E., Sedgwick County, Hydrologic Unit 11030013, at downstream right bank 28 ft downstream from Oliver Street bridge in Wichita. Gage height for 1964-77 is unreliable and should not be used. Drainage area is 2.94 mi^2.	1964-77 2004p-05	8-13-05	30.47	1,480	06-11-70 5-13-04		1,550 29.96
Whitewater River tributary near Towanda, KS(07147020)	Lat 37°51'03", long 97°03'37", in NE 1/4 NE1/4 sec.26, T.25 S., R.3 E., Butler County, Hydrologic Unit 11030017, at culvert on county highway, 5.0 mi northwest of Towanda. Drainage area is 0.17 mi^2.	1963-05	6-10-05	15.07	180	6-09-95	16.59	540
Cedar Creek tributary near Cambridge, KS (07147990)	Lat 37°19'19 ", long 96°37'33", in NE1/4 NE1/4 SE1/4 sec.26, T.31 S., R.7 E., Cowley County, Hydrologic Unit 11060001, at downstream side of bridge on U.S. Highway 160, 0.5 mi upstream from Cedar Creek, and 2.1 mi northeast of Cambridge. Published as "Grouse Creek tributary" 1961-63. Drainage area is 2.41 mi^2.	1961-05	5-23-05	13.75	1,090	6-21-77	14.42	3,000
Cimarron River tributary near Satanta, KS (07156700)	Lat 37°16'15", long 100°55'36", in NW1/4 NE1/4 sec.17, T.32 S., R.33 W., Seward County, Hydrologic Unit 11040006, 27 ft upstream from culvert under county highway, 12.0 mi southeast of Satanta. Prior to 1985, gage was located on the downstream side of culvert. Drainage area is 2.41 mi^2.	1957-05	5-29-05	10.78	<5.0	5-16-03	17.66	2,700
Sandy Creek near Yates Center, KS (07166200)	Lat 37°50'47", long 95°50'07", in NE 1/4 SW1/4 NE1/4 sec.26, T.25 S., R.14 E., Woodson County, Hydrologic Unit 11070101, at downstream side of bridge on U.S. Highway 54, 6.0 mi southwest of Yates Center. Drainage area is 6.80 mi^2.	1957-05	6-04-05	19.00	2,360	7-12-72	19.80	3,000

< Maximum discharge less than value shown.

p Partial water year.

HARVEY COUNTY

WELL 24S 02W 16BAA 01 SITE NUMBER 375810097324301

24-2W-16BAA. (886) F. H. HAIBER. DRILLED, UNUSED, WATER-TABLE WELL IN SAND AND GRAVEL OF PLEISTOCENE AGE. DEPTH 57 FEET, DIAMETER 1.25 INCHES. MEASURING POINT, TOP OF PIPE, 0.8 FOOT ABOVE LSD. MEASURED BY CITY OF WICHITA.

ALTITUDE OF LAND SURFACE 1,402.23 FEET

RECORDS AVAILABLE 1939 TO CURRENT YEAR.

HIGHEST WATER LEVEL 2.34 FEET BELOW LAND SURFACE DATUM AUG 21, 1939.

LOWEST WATER LEVEL 42.19 FEET BELOW LAND SURFACE DATUM OCT 01, 1992.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 08, 2005	24.59	APR 04, 2005	23.15	JUL 14, 2005	23.17

HIGHEST 23.15 APR 04, 2005
LOWEST 24.59 FEB 08, 2005

WELL 24S 02W 28DDD 01 SITE NUMBER 375540097320901

24-2W-28DDD. (M-49) CITY OF WICHITA. DRILLED, WATER-TABLE WELL IN SAND AND GRAVEL OF PLEISTOCENE AGE. DEPTH 246 FEET, DIAMETER 18 INCHES. MEASURING POINT, TOP OF CASING, 1.5 FEET ABOVE LSD. MEASURED BY CITY OF WICHITA.

ALTITUDE OF LAND SURFACE 1,403. FEET

RECORDS AVAILABLE 1958 TO CURRENT YEAR.

HIGHEST WATER LEVEL 22.48 FEET BELOW LAND SURFACE DATUM JUN 02, 1975.

LOWEST WATER LEVEL 87.01 FEET BELOW LAND SURFACE DATUM OCT. 01, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01, 2004	31.79	JAN 31, 2005	30.79	JUL 01, 2005	57.10		
JAN 03, 2005	30.83	APR 01	33.74	SEP 29	58.69		

HIGHEST 30.79 JAN 31, 2005
LOWEST 33.74 APR 01, 2005

SEDGWICK COUNTY

WELL 26S 01W 19ABA 01 SITE NUMBER 374659097280201

26-1W-19ABA. (805) CITY OF WICHITA. DRIVEN, WATER-TABLE OBSERVATION WELL IN SAND AND GRAVEL OF PLEISTOCENE AGE. DEPTH 38 FEET, DIAMETER 1.25 INCHES. MEASURING POINT, TOP OF PIPE, 3.3 FEET ABOVE LSD.

ALTITUDE OF LAND SURFACE 1,351.7 FEET

RECORDS AVAILABLE 1938 TO CURRENT YEAR.

HIGHEST WATER LEVEL 1.57 FEET BELOW LAND SURFACE DATUM APR 01, 1980.

LOWEST WATER LEVEL 9.89 FEET BELOW LAND SURFACE DATUM SEP 30, 1968.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12, 2004	4.85	FEB 08, 2005	5.23	APR 06, 2005	4.55	JUL 14, 2005	5.07

HIGHEST 4.55 APR 06, 2005
LOWEST 5.23 FEB 08, 2005

THOMAS COUNTY

WELL 08S 34W 01BAC 01 SITE NUMBER 392329101040201

8-34W-1BA. KS. AGRICULTURAL EXPERIMENT STATION. DRILLED, UNUSED, WATER-TABLE WELL IN OGALLALA FORMATION. DIAMETER 16 INCHES, DEPTH 160 FEET. MEASURING POINT, TOP OF 2-INCH PIPE, 2.72 FEET ABOVE LSD. MEASURED BY GMD 4.

ALTITUDE OF LAND SURFACE 3,177. FEET

RECORDS AVAILABLE 1947 TO CURRENT YEAR.

HIGHEST WATER LEVEL 112.31 FEET BELOW LAND SURFACE DATUM MAY 20, 1954.

LOWEST WATER LEVEL 139.32 FEET BELOW LAND SURFACE DATUM AUG 19, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20, 2004	138.81	FEB 21, 2005	138.22	MAY 23, 2005	138.13	AUG 19, 2005	139.32
DEC 29	138.41	MAR 23	138.08	JUN 20	139.13	SEP 20	139.31
JAN 21, 2005	138.24	APR 20	138.30	JUL 20	138.75		

HIGHEST 138.08 MAR 23, 2005
LOWEST 139.32 AUG 19, 2005

DOUGLAS COUNTY

390006095132301. Local number 12S 20E 17CCB 01

LOCATION.--Lat 39°00'06", long 95°13'23", Hydrologic Unit 10270104, County Code 045, on east side of county road, 3.6 mi northeast of Lawrence. Owner: U.S. Geological Survey.

AQUIFER.--Unconsolidated aquifer in Newman terrace deposits of Pleistocene age. Aquifer code: 112NWMN.

WELL CHARACTERISTICS.--Drilled observation well, diameter 10 in., depth 50 ft.

INSTRUMENTATION.--Float gage interfaced to a data-collection platform/data logger with a 1-hour update interval.

DATUM.--Datum of gage is NGVD of 1929. Measuring point east side of hole in top of box, elevation 835.81 ft, measuring point is 3.6 ft above land surface.

REMARKS.--Records good. Water level fluctuates with Kansas River stage and nearby pumping.

PERIOD OF RECORD.--1952 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 821.72 ft above NGVD of 1929, July 25, 1993; lowest, 807.64 ft above NGVD of 1929, Aug. 28, 2003.

EXTREMES FOR CURRENT YEAR.--Highest water level, 814.45 ft, June 17; lowest water level, 811.36 ft, Oct. 27.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	811.75	811.43	811.84	812.20	812.50	813.46	812.97	812.30	812.20	813.91	812.46	813.26
2	811.68	811.38	811.87	812.22	812.50	813.46	812.96	812.28	812.48	813.91	812.40	813.26
3	811.66	811.39	811.90	812.23	812.50	813.47	812.94	812.26	812.58	813.91	812.33	813.24
4	811.64	811.43	811.93	812.22	812.50	813.47	812.93	812.21	813.06	813.89	812.24	813.22
5	811.60	811.44	811.96	812.24	812.52	813.43	812.92	812.18	813.36	813.90	812.17	813.18
6	811.57	811.50	812.00	812.25	812.53	813.44	812.88	812.15	813.51	813.90	812.13	813.12
7	811.57	811.50	812.04	812.26	812.58	813.48	812.83	812.12	813.64	813.88	812.07	813.09
8	811.58	811.46	812.08	812.26	812.62	813.42	812.82	812.09	813.72	813.83	812.02	813.05
9	811.57	811.48	812.13	812.26	812.65	813.41	812.83	812.07	813.77	813.78	811.97	813.01
10	811.57	811.52	812.15	812.29	812.66	813.42	812.83	812.03	813.81	813.72	811.93	812.96
11	811.58	811.50	812.15	812.35	812.70	813.40	812.82	811.99	813.87	813.66	811.88	812.90
12	811.60	811.49	812.20	812.41	812.74	813.44	812.82	811.97	814.03	813.59	811.84	812.84
13	811.62	811.48	812.16	812.42	812.90	813.35	812.76	812.14	814.21	813.54	811.83	812.82
14	811.61	811.48	812.14	812.38	813.00	813.30	812.72	812.33	814.29	813.50	812.13	812.79
15	811.63	811.49	812.21	812.43	813.10	813.27	812.70	812.39	814.34	813.45	812.31	812.77
16	811.60	811.49	812.21	812.44	813.13	813.26	812.67	812.46	814.40	813.40	812.39	812.75
17	811.56	811.49	812.23	812.44	813.19	813.28	812.64	812.51	814.44	813.33	812.45	812.77
18	811.59	811.49	812.26	812.49	813.23	813.28	812.64	812.53	814.45	813.26	812.50	812.80
19	811.52	811.52	812.23	812.54	813.30	813.20	812.63	812.53	814.44	813.20	812.50	812.81
20	811.48	811.52	812.30	812.57	813.37	813.16	812.60	812.52	814.41	813.18	812.57	812.80
21	811.46	811.49	812.27	812.58	813.37	813.17	812.57	812.51	814.39	813.13	812.67	812.82
22	811.46	811.51	812.22	812.55	813.37	813.16	812.56	812.45	814.37	813.09	812.73	812.86
23	811.47	811.55	812.20	812.51	813.39	813.13	812.49	812.38	814.35	813.03	812.77	813.02
24	811.43	811.57	812.20	812.58	813.41	813.13	812.46	812.33	814.32	812.96	812.80	813.57
25	811.40	811.62	812.25	812.61	813.43	813.11	812.46	812.29	814.23	812.88	812.82	813.72
26	811.38	811.70	812.22	812.55	813.44	813.07	812.45	812.22	814.14	812.81	812.92	813.76
27	811.36	811.73	812.19	812.52	813.46	813.07	812.42	812.20	814.09	812.72	813.09	813.80
28	811.38	811.75	812.21	812.52	813.46	813.09	812.41	812.16	814.04	812.69	813.17	813.86
29	811.44	811.79	812.21	812.52	---	813.12	812.39	812.13	813.99	812.63	813.22	813.82
30	811.44	811.82	812.25	812.52	---	813.13	812.35	812.08	813.92	812.57	813.26	813.85
31	811.42	---	812.21	812.51	---	813.01	---	812.05	---	812.51	813.27	---
MEAN	811.54	811.53	812.14	812.42	812.98	813.28	812.68	812.25	813.89	813.35	812.48	813.15
MAX	811.75	811.82	812.30	812.61	813.46	813.48	812.97	812.53	814.45	813.91	813.27	813.86
MIN	811.36	811.38	811.84	812.20	812.50	813.01	812.35	811.97	812.20	812.51	811.83	812.75

ELLIS COUNTY

384253099180701. Local number 15S 18W 27DDDA01

LOCATION.--Lat 38°42'53", long 99°18'07", Hydrologic Unit 10260006, County Code 051, 1.5 mi east of Schoenchen. Owner: City of Hays.

AQUIFER.--Smoky Hill Shale Member of Nebraska Formation. Aquifer code: 211SMKH.

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in., depth 49 ft.

INSTRUMENTATION.--Submersible transducer interfaced to a data-collection platform/data logger with a 1-hour update interval.

DATUM.--Datum of gage is NGVD of 1929. Measuring point is top of PVC casing, elevation 1,906.37 ft, measuring point is 4.5 ft above land surface.

REMARKS.--Records fair. Water level fluctuates with nearby pumping.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1,890.83 ft above NGVD of 1929, Mar. 28, 2005; lowest, 1,883.64 ft above NGVD of 1929, Sept. 16, 2005.

EXTREMES FOR CURRENT YEAR.--Highest water level, 1,890.83 ft, Mar. 28; lowest water level, 1,883.64 ft, Sept. 16.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,889.76	1,889.77	1,889.90	1,889.86	---	1,890.61	1,890.67	1,890.46	1,890.07	1,889.84	1,889.23	1,888.92
2	1,889.74	1,889.73	1,889.90	1,889.81	1,889.81	1,890.61	1,890.61	1,890.47	1,890.09	1,889.83	1,885.01	1,888.95
3	1,889.76	1,889.77	1,889.93	1,889.82	1,889.96	1,886.16	1,890.66	1,890.49	1,890.12	1,889.81	1,884.84	1,888.97
4	1,889.74	1,889.73	1,889.95	1,889.83	1,890.05	1,890.03	1,890.69	1,890.50	1,890.12	1,889.78	1,884.68	1,888.99
5	1,889.76	1,889.77	1,889.97	1,889.82	1,890.09	1,890.25	1,890.69	1,890.50	1,890.11	1,889.77	1,888.63	1,889.00
6	1,889.77	1,889.78	1,889.96	1,889.84	1,890.12	1,890.38	1,890.61	1,890.51	1,890.13	1,889.78	1,888.80	1,888.99
7	1,889.79	1,889.75	1,889.95	1,889.83	1,890.16	1,890.42	1,890.61	1,890.50	1,890.14	1,889.78	1,888.90	1,889.00
8	1,889.79	1,889.76	1,889.97	1,889.83	1,890.22	1,890.46	1,890.67	1,890.48	1,890.12	1,889.78	1,888.96	1,889.01
9	1,889.79	1,889.78	---	1,889.82	1,890.26	1,890.46	1,890.67	1,890.44	1,890.14	1,889.77	1,889.01	1,889.03
10	1,889.80	1,889.80	1,889.92	1,889.83	1,890.28	1,890.48	1,890.64	1,890.46	1,890.12	1,889.77	1,889.05	1,889.05
11	1,889.81	1,889.54	1,889.94	1,889.84	---	1,890.51	1,890.64	1,890.43	1,890.15	1,885.63	1,889.08	1,889.04
12	1,889.83	1,889.65	1,889.90	1,889.86	---	1,890.53	1,890.61	1,890.40	1,890.16	1,885.34	1,889.10	1,888.71
13	---	1,889.69	1,889.87	1,889.78	---	1,890.48	1,890.57	1,890.36	1,890.18	1,885.14	1,889.13	1,888.84
14	---	1,889.71	1,889.88	---	---	1,890.48	1,890.57	1,890.36	1,890.15	1,888.96	1,889.15	1,888.88
15	---	1,889.73	1,889.93	---	1,890.58	1,890.50	1,890.57	1,890.36	1,890.16	1,889.21	1,885.02	1,883.98
16	1,889.76	1,889.76	1,889.87	1,889.75	1,890.59	1,890.52	1,890.57	1,890.40	1,890.16	1,889.32	1,884.60	1,883.69
17	1,889.80	1,889.77	1,889.90	1,889.75	1,890.61	1,890.56	1,890.59	1,890.42	1,890.17	1,889.40	1,884.49	1,888.39
18	1,889.81	---	1,889.89	1,889.79	1,890.61	1,890.21	1,890.64	1,890.34	1,890.17	1,889.42	1,883.70	1,888.54
19	1,889.79	1,889.81	1,889.88	1,889.77	1,890.65	1,886.01	1,890.64	1,886.06	1,890.16	1,889.47	1,888.49	1,888.60
20	1,889.80	1,889.79	1,889.94	1,889.83	1,890.62	1,889.97	1,890.61	1,885.77	1,890.13	1,889.50	1,888.65	1,888.65
21	1,889.82	1,889.80	1,889.88	1,889.90	1,890.61	1,890.26	1,890.59	1,885.64	1,890.12	1,889.51	1,888.74	1,888.71
22	1,889.85	1,889.85	1,889.86	1,889.96	1,890.59	1,890.49	1,890.56	1,889.52	1,890.10	1,889.51	1,883.96	1,888.73
23	1,889.81	1,889.85	1,889.84	1,890.05	1,890.61	1,890.75	1,890.55	1,889.79	1,890.10	1,885.10	1,888.29	1,888.75
24	1,889.84	1,889.86	1,889.88	1,890.12	1,890.60	1,890.81	1,890.60	1,889.90	1,890.08	1,884.88	1,888.53	1,888.79
25	1,889.81	1,889.88	1,889.89	1,890.18	1,890.60	1,890.80	1,890.63	1,889.96	1,890.05	1,884.84	1,888.65	1,888.80
26	1,889.83	1,889.90	1,889.87	1,890.20	1,890.60	1,890.78	1,890.58	1,889.99	1,889.85	1,888.74	1,888.72	1,888.80
27	1,889.82	1,889.86	1,889.87	1,890.23	1,890.59	1,890.79	1,890.51	1,890.01	1,889.91	1,888.95	1,888.78	1,888.84
28	1,889.83	1,889.91	1,889.86	1,890.26	1,890.58	1,890.82	1,890.51	1,890.04	1,889.93	1,889.07	1,888.82	1,888.82
29	1,889.82	1,889.86	1,889.87	1,890.27	---	1,890.81	1,890.46	1,890.05	1,889.90	1,889.14	1,888.86	1,888.74
30	1,889.77	1,889.90	1,889.89	1,885.80	---	1,890.74	1,890.47	1,890.04	1,889.87	1,889.18	1,888.90	1,888.83
31	1,889.80	---	1,889.86	1,885.57	---	1,890.69	---	1,890.06	---	1,889.22	1,888.91	---
MEAN	---	---	---	---	---	1,890.24	1,890.60	1,889.83	1,890.09	1,888.63	1,887.73	1,888.50
MAX	---	---	---	---	---	1,890.82	1,890.69	1,890.51	1,890.18	1,889.84	1,889.23	1,889.05
MIN	---	---	---	---	---	1,886.01	1,890.46	1,885.64	1,889.85	1,884.84	1,883.70	1,883.69

ELLIS COUNTY

384253099185201. Local number 15S 18W 27CDBA01

LOCATION.--Lat 38°42'53", long 99°18'52", Hydrologic Unit 10260006, County Code 051, 0.7 mi northeast of Schoenchen. Owner: City of Hays.

AQUIFER.--Smoky Hill Shale Member of Nebraska Formation. Aquifer code: 211SMKH.

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in., depth 56.5 ft.

INSTRUMENTATION.--Submersible transducer interfaced to a data-collection platform/data logger with a 1-hour update interval.

DATUM.--Datum of gage is NGVD of 1929. Measuring point is top of PVC casing, elevation 1,910.88 ft, measuring point is 4.5 ft above land surface.

REMARKS.--Records good. Water level fluctuates with nearby pumping.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1,895.01 ft above NGVD of 1929, Apr. 21, 2005; lowest, 1,890.76 ft above NGVD of 1929, Jan. 12, 2005.

EXTREMES FOR CURRENT YEAR.--Highest water level, 1,895.01 ft, Apr. 21; lowest water level, 1,890.76 ft, Jan. 12.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,892.49	1,893.22	1,891.60	1,892.08	1,892.72	1,893.37	1,894.28	1,894.80	1,893.66	1,894.21	1,893.12	1,892.86
2	1,892.69	1,893.01	1,891.59	1,891.57	1,892.70	1,893.31	1,894.43	1,894.80	1,893.57	1,894.23	1,892.74	1,892.94
3	1,892.84	1,892.88	1,891.60	1,891.36	1,892.70	1,893.28	1,894.28	1,894.78	1,893.51	1,894.23	1,893.09	1,893.01
4	1,892.93	1,892.72	1,891.72	1,891.21	1,892.75	1,893.24	1,894.09	1,894.64	1,893.44	1,893.69	1,893.16	1,893.06
5	1,893.00	1,892.61	1,891.84	1,891.09	1,892.79	1,893.21	1,893.98	1,894.51	1,893.38	1,893.50	1,893.20	1,893.10
6	1,893.05	1,892.50	1,891.91	1,890.99	1,892.80	1,893.24	1,893.87	1,894.51	1,893.62	1,893.37	1,893.25	1,892.68
7	1,893.08	1,892.39	1,891.97	1,891.32	1,892.83	1,893.53	1,893.80	1,894.57	1,893.86	1,893.49	1,893.31	1,892.78
8	1,893.10	1,892.32	1,891.96	1,891.31	1,893.10	1,893.79	1,894.06	1,894.62	1,893.99	1,893.66	1,893.34	1,892.90
9	1,893.07	1,892.25	---	1,891.27	1,893.22	1,893.96	1,894.19	1,894.39	1,894.10	1,893.73	1,893.38	1,892.96
10	1,892.93	1,892.24	1,891.99	1,890.97	1,893.27	1,894.11	1,894.35	1,894.19	1,893.86	1,893.78	1,893.40	1,893.02
11	1,892.79	1,892.18	1,891.99	1,890.82	1,893.29	1,894.23	1,894.48	1,894.03	1,893.68	1,893.80	1,893.43	1,893.04
12	1,892.70	1,892.12	1,891.81	1,890.77	1,893.32	1,894.34	1,894.59	1,893.90	1,893.56	1,893.32	1,893.44	1,892.82
13	---	1,892.07	1,891.65	1,890.80	1,893.31	1,894.40	1,894.67	1,894.09	1,893.47	1,893.15	1,893.43	1,892.55
14	1,892.53	1,892.02	1,891.54	---	1,893.30	1,894.45	1,894.74	1,894.25	1,893.37	1,893.29	1,893.42	1,892.63
15	---	1,891.96	1,891.46	---	1,893.28	1,894.49	1,894.80	1,894.37	1,893.57	1,893.40	1,893.43	1,892.28
16	1,892.46	1,892.10	1,891.35	1,891.43	1,893.25	1,894.54	1,894.84	1,894.48	1,893.29	1,893.46	1,893.44	1,892.17
17	1,892.59	1,892.21	1,891.29	1,891.74	1,893.24	1,894.60	1,894.89	1,894.57	1,893.24	1,893.52	1,893.46	1,892.08
18	1,892.68	---	1,891.21	1,892.01	1,893.23	1,894.62	1,894.94	1,894.60	1,893.21	1,893.53	1,893.47	1,891.98
19	1,892.75	1,892.10	1,891.14	1,892.21	1,893.25	1,894.63	1,894.97	1,894.64	1,893.17	1,893.58	1,893.20	1,892.19
20	1,892.82	1,891.98	1,891.14	1,892.42	1,893.22	1,894.67	1,894.99	1,894.67	1,893.42	1,893.61	1,892.91	1,892.35
21	1,892.90	1,891.80	1,891.23	1,892.62	1,893.19	1,894.35	1,894.99	1,894.56	1,893.65	1,893.62	1,892.73	1,892.48
22	1,892.96	1,891.69	1,891.34	1,892.78	1,893.17	1,894.19	1,894.99	1,894.60	1,893.79	1,893.64	1,892.89	1,892.56
23	1,893.00	1,891.60	1,891.45	1,892.97	1,893.38	1,894.20	1,894.72	1,894.65	1,893.92	1,893.15	1,893.01	1,892.61
24	1,893.05	1,891.50	1,891.56	1,893.13	1,893.55	1,894.20	1,894.46	1,894.66	1,894.00	1,892.98	1,893.09	1,892.64
25	1,893.08	1,891.43	1,891.65	1,893.08	1,893.70	1,894.15	1,894.31	1,894.66	1,894.05	1,892.86	1,893.15	1,892.66
26	1,893.13	1,891.37	1,891.71	1,892.85	1,893.85	1,894.10	1,894.59	1,894.66	1,894.11	1,892.72	1,893.20	1,892.64
27	1,893.16	1,891.29	1,891.78	1,892.95	1,893.60	1,894.08	1,894.67	1,894.69	1,894.15	1,892.62	1,893.24	1,892.67
28	1,893.20	1,891.25	1,891.86	1,892.83	1,893.45	1,894.34	1,894.74	1,894.25	1,894.18	1,892.53	1,892.96	1,892.65
29	1,893.23	1,891.46	1,891.92	1,892.75	---	1,894.41	1,894.77	1,894.03	1,894.20	1,892.76	1,892.73	1,892.67
30	1,893.23	1,891.60	1,891.98	1,892.72	---	1,894.37	1,894.79	1,893.87	1,894.21	1,892.93	1,892.58	1,892.70
31	1,893.25	---	1,892.02	1,892.70	---	1,894.30	---	1,893.75	---	1,893.04	1,892.72	---
MEAN	---	---	---	---	1,893.19	1,894.09	1,894.54	1,894.44	1,893.71	1,893.40	1,893.16	1,892.66
MAX	---	---	---	---	1,893.85	1,894.67	1,894.99	1,894.80	1,894.21	1,894.23	1,893.47	1,893.10
MIN	---	---	---	---	1,892.70	1,893.21	1,893.80	1,893.75	1,893.17	1,892.53	1,892.58	1,891.98

ELLIS COUNTY

384259099195801. Local number 15S 18W 28CABD01

LOCATION.--Lat 38°42'59", long 99°19'58", Hydrologic Unit 10260006, County Code 051, 1.0 mi northwest of Schoenchen. Owner: City of Hays.

AQUIFER.--Smoky Hill Shale Member of Nebraska Formation. Aquifer code: 211SMKH.

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in., depth 57 ft.

INSTRUMENTATION.--Submersible transducer interfaced to a data-collection platform/data logger with a 1-hour update interval.

DATUM.--Datum of gage is NGVD of 1929. Measuring point is top of PVC casing, elevation 1,923.01 ft, measuring point is 4.7 ft above land surface.

REMARKS.--Records good. Water level fluctuates with nearby pumping.

PERIOD OF RECORD.--October 2004 to September 2005.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1,902.65 ft above NGVD of 1929, Mar. 28, 2005; lowest, 1,896.63 ft above NGVD of 1929, Sept. 21, 2005.

EXTREMES FOR CURRENT YEAR.--Highest water level, 1,902.65 ft, Mar. 28; lowest water level, 1,896.63 ft, Sept. 21.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	1,898.37	1,898.14	1,899.18	1,901.31	1,901.56	1,901.72	1,901.27	1,901.33	1,900.02	1,898.39	1,897.49
2	1,899.26	1,898.47	1,897.78	1,899.50	1,901.12	1,901.67	1,901.94	1,901.18	1,901.40	1,899.89	1,898.35	1,897.63
3	1,899.03	1,898.55	1,897.65	1,899.75	1,900.98	1,901.75	1,902.07	1,901.15	1,901.46	1,899.77	1,897.97	1,897.75
4	1,898.84	1,898.57	1,897.80	1,899.95	1,900.90	1,901.82	1,902.17	1,901.46	1,901.50	1,900.04	1,897.69	1,897.86
5	1,898.68	1,898.67	1,897.90	1,900.11	1,900.85	1,901.86	1,902.17	1,901.62	1,901.52	1,900.19	1,897.46	1,897.94
6	1,898.54	1,898.66	1,897.97	1,900.25	1,900.79	1,901.94	1,901.90	1,901.75	1,901.49	1,900.31	1,897.39	1,898.01
7	1,898.46	1,898.68	1,898.03	1,900.35	1,900.77	1,901.91	1,901.78	1,901.88	1,901.15	1,900.37	1,897.38	1,898.06
8	1,898.35	1,898.75	1,898.13	1,900.48	1,900.74	1,901.66	1,901.75	1,901.98	1,900.91	1,900.14	1,897.48	1,898.11
9	1,898.35	1,898.73	---	1,900.58	1,900.71	1,901.63	1,901.72	1,902.03	1,900.74	1,899.98	1,897.78	1,898.15
10	1,898.61	1,898.75	1,898.31	1,900.68	1,900.87	1,901.77	1,901.53	1,902.11	1,900.69	1,899.85	1,897.98	1,898.19
11	1,898.78	1,898.73	1,898.40	1,900.67	1,901.08	1,901.86	1,901.44	1,902.15	1,900.92	1,899.74	1,898.15	1,898.21
12	1,898.92	1,898.81	1,898.24	1,900.41	1,901.28	1,901.95	1,901.71	1,902.17	1,901.06	1,899.63	1,898.28	1,898.21
13	---	1,898.82	1,898.13	1,900.22	1,901.42	1,901.96	1,901.83	1,902.20	1,901.13	1,899.55	1,898.38	1,897.95
14	1,898.89	1,898.77	1,898.06	---	1,901.51	1,902.00	1,901.94	1,902.22	1,901.00	1,899.45	1,898.47	1,897.77
15	---	1,898.77	1,898.02	---	1,901.60	1,902.03	1,902.02	1,902.24	1,901.14	1,899.29	1,898.54	1,897.53
16	1,898.83	1,898.37	1,897.98	1,900.13	1,901.67	1,902.07	1,902.08	1,902.28	1,901.28	1,899.18	1,898.60	1,897.30
17	1,898.93	1,898.13	1,897.99	1,900.40	1,901.75	1,902.13	1,902.15	1,902.30	1,901.37	1,899.07	1,898.49	1,897.13
18	1,898.90	---	1,898.01	1,900.59	1,901.80	1,902.14	1,902.22	1,902.26	1,901.41	1,898.96	1,898.19	1,896.99
19	1,898.57	1,897.81	1,898.06	1,900.55	1,901.89	1,902.15	1,902.28	1,902.26	1,901.44	1,898.87	1,897.97	1,896.86
20	1,898.45	1,897.72	1,898.17	1,900.44	1,901.92	1,902.18	1,902.31	1,902.24	1,901.39	1,898.78	1,898.18	1,896.75
21	1,898.65	1,897.93	1,898.46	1,900.41	1,901.90	1,902.30	1,902.34	1,902.20	1,901.11	1,898.73	1,898.31	1,896.63
22	1,898.77	1,898.05	1,898.73	1,900.32	1,901.52	1,902.42	1,902.35	1,901.88	1,900.91	1,898.82	1,898.35	1,896.93
23	1,898.85	1,898.13	1,898.97	1,900.32	1,901.33	1,902.50	1,902.36	1,901.67	1,900.76	1,899.02	1,898.16	1,897.10
24	1,898.92	1,898.18	---	1,900.30	1,901.18	1,902.57	1,902.40	1,901.62	1,900.62	1,899.18	1,898.16	1,897.24
25	1,898.96	1,898.23	1,899.40	1,900.59	1,901.36	1,902.59	1,902.44	1,901.67	1,900.49	1,899.26	1,897.87	1,897.30
26	1,899.00	1,898.25	1,899.56	1,900.76	1,901.15	1,902.59	1,902.22	1,901.71	1,900.65	1,898.96	1,897.76	1,897.12
27	1,899.00	1,898.26	1,899.64	1,900.88	1,901.21	1,902.62	1,901.89	1,901.74	1,900.75	1,898.78	1,897.66	1,897.04
28	1,899.04	1,898.26	1,899.40	1,901.03	1,901.42	1,902.57	1,901.70	1,901.39	1,900.46	1,898.64	1,897.55	1,897.16
29	1,898.99	1,898.24	1,899.29	1,901.14	---	1,902.22	1,901.54	1,901.15	1,900.26	1,898.50	1,897.36	1,897.26
30	1,898.73	1,898.25	1,899.24	1,901.24	---	1,901.98	1,901.40	1,901.04	1,900.10	1,898.47	1,897.23	1,897.35
31	1,898.52	---	1,899.18	1,901.32	---	1,901.77	---	1,901.22	---	1,898.44	1,897.29	---
MEAN	---	---	---	---	1,901.29	1,902.07	1,901.98	1,901.81	1,901.02	1,899.35	1,897.96	1,897.50
MAX	---	---	---	---	1,901.92	1,902.62	1,902.44	1,902.30	1,901.52	1,900.37	1,898.60	1,898.21
MIN	---	---	---	---	1,900.71	1,901.56	1,901.40	1,901.04	1,900.10	1,898.44	1,897.23	1,896.63

HARVEY COUNTY

380028097311001. Local number EB-145-A1

LOCATION.-- Lat 38°00'28", long 97°30'52", Hydrologic Unit 11030012, County Code 079, Halstead quadrangle, on the upstream side of the bridge, north of the levee on Halstead Road in Halstead. Owner: Ground-Water Management District # 2.

AQUIFER.--Equus Beds. Aquifer code: 112PLSC

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 2 in., depth 50.65 ft, screened 40.6-50.6 ft.

INSTRUMENTATION.--Submersible transducer interfaced to a data-collection platform/data logger with a 1-hour update interval.

DATUM.--Datum of gage is NGVD of 1929. Measuring point is top of PVC casing, elevation 1,392.87 ft, top of casing is 2.8 ft above land surface.

REMARKS.--Records good. Water level fluctuates with river stage and nearby pumping.

PERIOD OF RECORD.--October 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1,382.63 ft above NGVD of 1929, Nov. 4, 1998; lowest, 1,366.10 ft above NGVD of 1929, July 22, 1996.

EXTREMES FOR CURRENT YEAR.--Highest water level, 1,382.33 ft, June 14; lowest water level, 1,374.62 ft, Oct. 2.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,374.80	1,375.21	1,375.59	e1,375.45	1,376.09	1,376.65	1,377.14	1,376.46	1,377.25	1,377.60	1,374.95	1,376.35
2	1,374.64	1,375.00	1,375.57	e1,375.40	1,376.12	1,376.70	1,377.19	1,376.44	1,377.35	1,377.35	1,374.92	1,376.24
3	1,374.75	1,375.14	1,375.66	1,375.43	1,376.09	1,376.66	1,377.22	1,376.47	1,377.35	1,377.29	1,374.89	1,376.18
4	1,374.65	1,375.05	1,375.68	1,375.51	1,376.11	1,376.61	1,377.24	1,376.44	1,378.04	1,377.65	1,374.84	1,376.09
5	1,374.66	1,375.12	1,375.75	e1,375.75	1,376.21	1,376.48	1,377.22	1,376.44	1,378.34	1,377.79	1,375.05	1,376.01
6	1,374.70	1,375.18	1,375.73	e1,375.80	1,376.27	1,376.61	1,377.04	1,376.46	1,378.37	1,377.72	1,375.46	1,375.91
7	1,374.82	1,375.06	1,375.61	e1,375.85	1,376.39	1,376.62	1,376.94	1,376.50	1,378.08	1,377.50	1,375.37	1,375.86
8	1,374.86	1,375.03	1,375.71	e1,375.90	1,376.77	1,376.53	1,377.07	1,376.48	1,377.82	1,377.27	1,375.27	1,375.85
9	1,374.83	1,375.09	1,375.74	1,375.98	1,376.74	1,376.43	1,377.22	1,376.51	1,379.12	1,377.00	1,375.16	1,375.82
10	1,374.85	1,375.22	1,375.56	1,376.01	1,376.63	1,376.50	1,377.17	1,376.55	1,379.31	1,376.95	e1,375.05	1,375.79
11	1,375.03	1,375.09	1,375.61	1,376.05	1,376.68	1,376.45	1,377.17	1,376.47	1,380.25	1,376.91	1,375.02	1,375.70
12	1,375.11	1,375.10	1,375.58	1,376.16	1,376.83	1,376.60	1,377.09	1,376.41	1,380.52	1,376.72	1,374.89	1,375.69
13	1,375.07	1,375.10	1,375.39	1,375.83	1,377.13	1,376.35	1,377.07	1,377.70	1,381.99	1,376.96	1,375.08	1,375.72
14	1,375.09	1,375.09	1,375.38	1,375.69	1,377.46	1,376.32	1,377.13	1,379.27	1,382.33	1,377.05	1,375.20	1,375.61
15	1,375.09	1,375.13	1,375.58	1,375.68	1,377.62	1,376.32	1,377.08	1,380.36	1,381.97	1,376.91	1,375.25	1,375.74
16	1,374.99	1,375.22	1,375.49	1,375.70	1,377.18	1,376.35	1,376.99	1,379.87	1,381.16	1,376.72	1,375.29	1,375.70
17	1,375.08	1,375.29	1,375.55	1,375.77	1,377.06	1,376.45	1,377.00	1,378.90	1,381.91	1,376.46	1,375.38	1,375.79
18	1,375.10	1,375.39	1,375.55	1,375.87	1,376.95	1,376.45	1,377.05	1,378.42	1,382.11	1,376.39	1,375.40	e1,375.79
19	1,374.96	1,375.43	1,375.44	1,375.86	1,377.04	1,376.26	1,376.99	1,378.08	1,381.20	1,376.52	1,375.28	1,375.68
20	1,374.92	1,375.32	1,375.79	1,376.05	1,377.01	1,376.32	1,376.94	1,377.84	1,380.42	1,376.47	1,375.33	1,375.58
21	1,375.02	1,375.27	1,375.50	1,376.30	1,376.88	1,376.54	1,376.87	1,377.72	1,380.02	1,376.29	1,375.45	1,375.64
22	1,375.05	1,375.39	1,375.39	1,376.40	1,376.78	1,377.33	1,376.77	1,377.51	1,379.64	e1,376.03	1,375.47	e1,375.61
23	1,374.96	1,375.43	1,375.34	1,376.41	1,376.81	1,378.53	1,376.63	1,377.44	1,379.65	1,375.81	1,375.45	1,375.53
24	1,374.99	1,375.57	1,375.46	1,376.48	1,376.79	1,378.72	1,376.64	1,377.48	1,379.53	1,375.80	1,375.46	1,375.58
25	1,374.89	1,375.66	1,375.56	1,376.51	1,376.81	1,378.13	1,376.81	1,377.44	1,379.02	1,375.78	1,376.46	e1,375.58
26	1,375.06	1,375.76	1,375.43	1,376.20	1,376.81	1,377.85	1,376.74	1,377.59	1,378.65	1,375.47	1,377.36	1,375.38
27	1,375.08	1,375.53	1,375.43	1,376.12	1,376.81	1,377.75	1,376.62	1,377.68	1,378.32	1,375.44	1,377.27	1,375.43
28	1,375.22	1,375.61	1,375.50	1,376.19	1,376.75	1,377.72	1,376.65	1,377.50	1,378.15	1,375.45	1,376.99	1,375.43
29	1,375.33	1,375.52	1,375.48	1,376.15	---	1,377.70	1,376.60	1,377.36	1,377.97	1,375.40	1,376.75	1,375.37
30	1,375.16	1,375.58	e1,375.55	1,376.14	---	1,377.48	1,376.53	1,377.22	1,377.67	1,375.14	1,376.63	1,375.49
31	1,375.23	---	1,375.44	1,376.09	---	1,377.24	---	1,377.19	---	1,375.16	1,376.45	---
MEAN	1,374.97	1,375.29	1,375.55	1,375.96	1,376.74	1,376.92	1,376.96	1,377.43	1,379.45	1,376.55	1,375.58	1,375.74
MAX	1,375.33	1,375.76	1,375.79	1,376.51	1,377.62	1,378.72	1,377.24	1,380.36	1,382.33	1,377.79	1,377.36	1,376.35
MIN	1,374.64	1,375.00	1,375.34	1,375.40	1,376.09	1,376.26	1,376.53	1,376.41	1,377.25	1,375.14	1,374.84	1,375.37

e Estimated

HARVEY COUNTY

380028097311002. Local number EB-145-PD5

LOCATION.--Lat 38°00'28", long 97°31'07", Hydrologic Unit 11030012, County Code 079, Halstead quadrangle, on the upstream side of the bridge, north of the levee on Halstead Road in Halstead. Owner: Ground-Water Management District # 2.

AQUIFER.--Equus Beds. Aquifer code: 112PLSC.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 2 in., depth 117.70 ft, screened 112.6-117.7 ft.

INSTRUMENTATION.--Submersible transducer interfaced to a data-collection platform/data logger with a 1-hour update interval.

DATUM.--Datum of gage is NGVD of 1929. Measuring point is top of PVC casing, elevation 1,392.40 ft, top of casing is 2.00 ft above land surface.

REMARKS.--Records good. Water level fluctuates with river stage and nearby pumping.

PERIOD OF RECORD.--February 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1,382.01 ft above NGVD of 1929, June 18, 2005; lowest, 1,356.52 ft above NGVD of 1929, July 22, 1996.

EXTREMES FOR CURRENT YEAR.--Highest water level, 1,382.01 ft, June 18; lowest water level, 1,374.29 ft, Aug. 3.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,374.60	1,375.03	1,375.44	1,375.33	1,376.00	1,376.65	1,377.21	1,376.49	1,377.39	1,377.66	1,374.48	1,376.31
2	1,374.41	1,374.82	1,375.43	1,375.22	1,376.02	1,376.70	1,377.27	1,376.46	1,377.42	1,377.21	1,374.59	1,376.21
3	1,374.52	1,374.94	1,375.52	1,375.31	1,376.00	1,376.66	1,377.30	1,376.49	1,377.45	1,377.20	1,374.60	1,376.15
4	1,374.42	1,374.87	1,375.54	1,375.43	1,376.02	1,376.62	1,377.33	1,376.45	1,377.91	1,377.64	1,374.56	1,376.02
5	1,374.41	1,374.91	1,375.63	e1,375.68	1,376.12	1,376.48	1,377.33	1,376.45	1,378.07	1,377.80	1,374.69	1,375.94
6	1,374.46	1,375.01	1,375.60	e1,375.76	1,376.20	1,376.60	1,377.15	1,376.47	1,378.18	1,377.82	1,374.99	1,375.82
7	1,374.59	1,374.89	1,375.48	e1,375.80	1,376.27	1,376.62	1,377.02	1,376.51	1,378.10	1,377.51	1,375.05	1,375.78
8	1,374.63	1,374.84	1,375.57	e1,375.85	1,376.51	1,376.51	1,377.10	1,376.50	1,377.93	1,377.14	1,375.03	1,375.78
9	1,374.60	1,374.91	1,375.60	1,375.92	1,376.53	1,376.45	1,377.24	1,376.48	1,379.21	1,376.79	1,374.91	1,375.75
10	1,374.62	1,375.05	1,375.42	1,375.92	1,376.50	1,376.51	1,377.21	1,376.54	1,379.59	1,376.93	1,374.80	1,375.73
11	1,374.79	1,374.90	1,375.46	1,375.95	1,376.56	1,376.44	1,377.21	1,376.47	1,380.48	1,376.95	1,374.76	1,375.64
12	1,374.88	1,374.91	1,375.47	1,376.10	1,376.74	1,376.59	1,377.12	1,376.41	1,380.74	1,376.66	1,374.60	1,375.61
13	1,374.86	1,374.91	1,375.25	1,375.76	1,377.00	1,376.34	1,377.06	1,377.37	1,381.74	1,376.90	1,374.83	1,375.66
14	1,374.86	1,374.91	1,375.23	1,375.60	1,377.09	1,376.30	1,377.08	1,378.44	1,381.91	1,377.04	1,374.96	1,375.53
15	1,374.88	1,374.94	1,375.44	1,375.59	1,377.26	1,376.30	1,377.09	1,379.41	1,381.75	1,376.86	e1,375.04	1,375.64
16	1,374.78	1,375.03	1,375.35	1,375.60	1,377.02	1,376.33	1,377.02	1,379.49	1,381.36	1,376.63	1,375.10	1,375.61
17	1,374.88	1,375.10	1,375.40	1,375.68	1,376.98	1,376.42	1,377.04	1,378.98	1,381.83	1,376.20	1,375.20	1,375.69
18	1,374.91	1,375.20	1,375.41	1,375.77	1,376.92	1,376.44	1,377.11	1,378.60	1,381.97	1,376.30	1,375.24	1,375.71
19	1,374.76	1,375.25	1,375.29	1,375.79	1,377.02	1,376.23	1,377.07	1,378.27	1,381.46	1,376.53	1,375.13	1,375.58
20	1,374.72	1,375.15	1,375.65	1,375.95	1,377.02	1,376.28	1,377.01	1,378.02	1,380.87	1,376.46	1,375.15	1,375.49
21	1,374.81	1,375.09	1,375.37	1,376.07	1,376.87	1,376.51	1,376.94	1,377.90	1,380.48	1,376.13	1,375.24	1,375.54
22	1,374.85	1,375.22	1,375.25	1,376.03	1,376.77	1,377.14	1,376.85	1,377.70	1,380.09	1,375.65	1,375.31	1,375.52
23	1,374.78	1,375.27	1,375.20	1,376.14	1,376.81	1,377.94	1,376.68	1,377.62	1,379.99	1,375.44	1,375.32	1,375.43
24	1,374.79	1,375.37	1,375.31	1,376.28	1,376.79	1,378.26	1,376.67	1,377.65	1,379.80	1,375.64	1,375.33	1,375.48
25	1,374.68	1,375.49	1,375.43	1,376.34	1,376.80	1,378.01	1,376.87	1,377.63	1,379.28	1,375.62	1,376.14	e1,375.47
26	1,374.84	1,375.60	1,375.29	1,376.09	1,376.80	1,377.84	1,376.79	1,377.58	1,378.75	1,375.07	1,377.05	1,375.27
27	1,374.87	1,375.39	1,375.28	1,376.01	1,376.82	1,377.78	1,376.65	1,377.72	1,378.33	1,375.21	1,377.06	1,375.31
28	1,374.99	1,375.45	1,375.36	1,376.09	1,376.75	1,377.78	1,376.69	1,377.64	1,378.26	1,375.22	1,376.90	1,375.35
29	1,375.11	1,375.39	1,375.33	1,376.07	---	1,377.78	1,376.64	1,377.53	1,378.09	1,375.18	1,376.71	1,375.24
30	1,374.97	1,375.42	1,375.46	1,376.04	---	1,377.60	1,376.55	1,377.38	1,377.67	1,374.68	1,376.61	1,375.37
31	1,375.03	---	1,375.32	1,376.00	---	1,377.33	---	1,377.35	---	1,374.79	1,376.45	---
MEAN	1,374.75	1,375.11	1,375.41	1,375.84	1,376.65	1,376.88	1,377.01	1,377.42	1,379.54	1,376.41	1,375.35	1,375.65
MAX	1,375.11	1,375.60	1,375.65	1,376.34	1,377.26	1,378.26	1,377.33	1,379.49	1,381.97	1,377.82	1,377.06	1,376.31
MIN	1,374.41	1,374.82	1,375.20	1,375.22	1,376.00	1,376.23	1,376.55	1,376.41	1,377.39	1,374.68	1,374.48	1,375.24

e Estimated

HARVEY COUNTY

380643097353001. Local number 07143665

LOCATION.--Lat 38°06'43", long 97°35'30", Hydrologic Unit 11030012, County Code 079, Halstead quadrangle, at the downstream side of the county bridge, 0.4 mi south of Alta Mills, 0.8 mi downstream from Sand Creek, and at mile 50.1. Owner: U.S. Geological Survey.

AQUIFER.--Equus Beds. Aquifer code: 112PLSC.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 2 in., depth 40.1 ft, screened 30.1-40.1 ft.

INSTRUMENTATION.--Submersible transducer interfaced to a data-collection platform/data logger with a 1-hour update interval.

DATUM.--Datum of gage is NGVD of 1929. Measuring point is top of casing, elevation 1,416.97 ft, top of casing is 1.5 ft above land surface.

REMARKS.--Records good. Water level fluctuates with river stage.

PERIOD OF RECORD.--February 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1,415.93 ft above NGVD of 1929, June 11, 1995; lowest, 1,391.41 ft above NGVD of 1929, Aug. 20, 2003.

EXTREMES FOR CURRENT YEAR.--Highest water level, 1,406.00 ft, June 18; lowest water level, 1,392.38 ft, Aug. 12.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,393.77	1,393.80	1,393.95	1,393.89	1,394.80	1,395.22	1,395.99	1,394.99	1,396.02	1,396.14	1,393.50	1,395.16
2	1,393.73	1,393.70	1,393.94	1,393.86	1,394.80	1,395.22	1,395.93	1,394.98	1,396.74	1,396.11	1,392.96	1,394.98
3	1,393.75	1,393.76	1,393.98	1,393.88	1,394.75	1,395.16	1,395.87	1,394.96	1,396.56	1,396.15	1,392.79	1,394.86
4	1,393.71	1,393.68	1,394.00	1,393.93	1,394.75	1,395.09	1,395.81	1,394.94	1,398.82	1,396.95	1,392.63	1,394.75
5	1,393.71	1,393.71	1,394.04	1,394.07	1,394.72	1,395.01	1,395.73	1,394.92	1,400.07	1,397.17	1,393.96	1,394.64
6	1,393.70	1,393.70	1,394.04	1,394.12	1,394.73	1,395.09	1,395.60	1,394.93	1,399.90	1,396.69	1,394.31	1,393.70
7	1,393.70	1,393.65	1,394.01	1,394.10	1,395.34	1,395.03	1,395.63	1,394.92	1,398.62	1,396.40	1,394.24	1,393.36
8	1,393.70	1,393.66	1,394.12	1,394.07	1,396.43	1,395.00	1,396.00	1,394.90	1,397.70	1,396.15	1,393.57	1,393.65
9	1,393.68	1,393.67	1,394.11	1,394.07	1,396.15	1,394.91	1,396.21	1,394.88	1,397.23	1,395.09	1,392.92	1,393.92
10	1,393.69	1,393.73	1,394.02	1,394.09	1,395.75	1,394.93	1,396.08	1,394.89	1,397.32	1,395.58	1,392.63	1,393.38
11	1,393.73	1,393.68	1,394.05	1,394.10	1,395.81	1,394.93	1,395.90	1,394.84	1,397.81	1,394.84	1,392.51	1,393.76
12	1,393.76	1,393.67	1,393.98	1,394.12	1,395.87	1,394.95	1,395.94	1,394.87	1,399.33	1,394.79	1,392.40	1,393.87
13	1,393.73	1,393.68	1,393.92	1,394.02	1,396.92	1,394.80	1,396.24	1,398.94	1,403.70	1,395.50	1,393.07	1,393.88
14	1,393.78	1,393.68	1,393.91	1,394.00	1,398.27	1,394.79	1,396.56	1,403.01	1,405.68	1,395.06	1,393.34	1,393.87
15	1,393.75	1,393.70	1,393.97	1,393.97	1,398.25	1,394.78	1,396.19	1,405.66	1,405.20	1,394.46	1,393.51	1,393.89
16	1,393.72	1,393.72	1,393.92	1,393.97	1,397.27	1,394.79	1,395.91	1,403.05	1,403.39	1,394.07	1,393.60	1,393.91
17	1,393.74	1,393.75	1,393.96	1,393.97	1,396.66	1,394.82	1,395.80	1,399.92	1,405.50	1,394.05	1,393.67	1,394.02
18	1,393.71	1,393.73	1,393.94	1,394.01	1,396.23	1,394.77	1,395.68	1,398.66	1,405.70	1,393.75	1,393.63	1,394.00
19	1,393.67	1,393.76	1,393.91	1,394.00	1,396.09	1,394.70	1,395.56	1,397.90	1,402.64	1,394.53	1,393.60	1,393.96
20	1,393.67	1,393.72	1,394.01	1,394.37	1,395.91	1,394.74	1,395.48	1,397.42	1,400.43	1,394.00	1,393.79	1,393.94
21	1,393.68	1,393.72	1,393.91	1,395.50	1,395.79	1,394.84	1,395.42	1,397.11	1,399.44	1,393.93	1,394.09	1,393.99
22	1,393.68	1,393.77	1,393.86	1,396.30	1,395.70	1,396.86	1,395.33	1,396.71	1,398.76	1,394.04	1,393.98	1,393.93
23	1,393.63	1,393.77	1,393.85	1,396.14	1,395.65	1,399.27	1,395.23	1,396.49	1,399.07	1,393.50	1,393.92	1,393.91
24	1,393.65	1,393.82	1,393.90	1,396.06	1,395.55	1,399.60	1,395.24	1,396.33	1,398.28	1,393.39	1,393.92	1,393.92
25	1,393.62	1,393.87	1,393.91	1,395.77	1,395.49	1,398.43	1,395.26	1,396.28	1,397.16	1,393.23	1,395.25	1,393.90
26	1,393.67	1,393.92	1,393.86	1,395.28	1,395.43	1,397.59	1,395.17	1,398.05	1,397.38	1,392.92	1,396.67	1,393.79
27	1,393.79	1,393.86	1,393.87	1,395.09	1,395.38	1,397.15	1,395.10	1,397.38	1,397.15	1,393.37	1,396.61	1,393.86
28	1,394.03	1,393.96	1,393.90	1,395.01	1,395.30	1,396.87	1,395.10	1,396.71	1,396.45	1,393.80	1,396.02	1,393.73
29	1,394.02	1,393.94	1,393.88	1,394.88	---	1,396.65	1,395.07	1,396.36	1,395.41	1,393.60	1,395.62	1,393.83
30	1,393.87	1,393.97	1,393.93	1,394.83	---	1,396.31	1,395.02	1,396.10	1,395.49	1,393.52	1,395.38	1,393.85
31	1,393.87	---	1,393.88	1,394.76	---	1,396.10	---	1,395.99	---	1,393.35	1,395.27	---
MEAN	1,393.74	1,393.76	1,393.95	1,394.52	1,395.85	1,395.76	1,395.67	1,397.00	1,399.43	1,394.71	1,393.98	1,394.01
MAX	1,394.03	1,393.97	1,394.12	1,396.30	1,398.27	1,399.60	1,396.56	1,405.66	1,405.70	1,397.17	1,396.67	1,395.16
MIN	1,393.62	1,393.65	1,393.85	1,393.86	1,394.72	1,394.70	1,395.02	1,394.84	1,395.41	1,392.92	1,392.40	1,393.36

RENO COUNTY

380842098063701. Local number 07142680

LOCATION.--Lat 38°08'42", long 98°06'37", Hydrologic Unit 11030011, County Code 155, Halstead quadrangle, on the upstream side of the bridge, north of Kansas Highway 96, west of Nickerson, and at mile 825.8. Owner: U.S. Geological Survey.

AQUIFER.--Equus Beds. Aquifer code: 112PLSC.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 2 in., depth 47.0 ft, screened 37-47 ft.

INSTRUMENTATION.--Submersible transducer interfaced to a data-collection platform/data logger with a 1-hour update interval.

DATUM.--Datum of gage is NGVD of 1929. Measuring point is top of casing, elevation 1,603.68 ft, top of casing is 2.0 ft above land surface.

REMARKS.--Records fair. Water level fluctuates with river stage.

PERIOD OF RECORD.--July 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1,596.70 ft above NGVD of 1929, June 12, 2001; lowest, 1,590.63 ft above NGVD of 1929, Sept. 29, 2005.

EXTREMES FOR CURRENT YEAR.--Highest water level, 1,591.70 ft, June 19; lowest water level, 1,590.63 ft, Sept. 29.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,590.80	1,590.72	1,590.78	1,590.85	1,590.93	1,591.08	1,591.04	1,591.00	1,591.08	1,591.17	1,590.96	1,590.79
2	1,590.80	1,590.71	1,590.78	1,590.85	1,590.94	1,591.07	1,591.03	1,590.99	1,591.07	1,591.15	1,590.94	1,590.79
3	1,590.79	1,590.72	1,590.78	---	1,590.93	1,591.07	1,591.03	1,590.99	1,591.07	1,591.14	1,590.92	1,590.78
4	1,590.78	1,590.72	1,590.80	---	1,590.93	1,591.06	1,591.02	1,590.99	1,591.10	1,591.22	1,590.90	1,590.76
5	1,590.78	1,590.72	1,590.80	---	1,590.93	1,591.06	1,591.02	1,590.99	1,591.09	1,591.33	1,590.89	1,590.74
6	1,590.77	1,590.72	1,590.81	---	1,590.95	1,591.06	1,591.03	1,590.99	1,591.08	1,591.42	1,590.88	1,590.73
7	1,590.78	1,590.72	1,590.81	---	1,590.96	1,591.05	1,591.05	1,590.98	1,591.07	1,591.51	1,590.86	1,590.73
8	1,590.77	1,590.72	1,590.82	---	1,590.98	1,591.05	1,591.06	1,590.98	1,591.06	1,591.59	1,590.85	1,590.71
9	1,590.76	1,590.71	1,590.82	1,590.86	1,590.97	1,591.04	1,591.06	1,590.98	1,591.06	1,591.56	1,590.84	1,590.70
10	1,590.75	1,590.73	1,590.82	1,590.86	1,590.97	1,591.04	1,591.07	1,590.97	1,591.07	1,591.48	1,590.83	1,590.70
11	1,590.78	1,590.73	1,590.82	1,590.87	1,590.98	1,591.03	1,591.08	1,590.98	1,591.08	1,591.40	1,590.81	1,590.69
12	1,590.77	1,590.72	1,590.82	1,590.88	1,591.00	1,591.02	1,591.09	1,590.97	1,591.11	1,591.34	1,590.80	1,590.69
13	1,590.77	1,590.72	1,590.82	1,590.88	1,591.01	1,591.01	1,591.10	1,591.48	1,591.23	1,591.30	1,590.83	1,590.68
14	1,590.75	1,590.72	1,590.82	1,590.87	1,591.04	1,591.01	1,591.09	1,591.51	1,591.30	1,591.26	1,590.82	1,590.68
15	1,590.75	1,590.73	1,590.82	1,590.85	1,591.06	1,591.00	1,591.09	1,591.60	1,591.34	---	1,590.80	1,590.70
16	1,590.73	1,590.73	1,590.81	1,590.86	1,591.08	1,591.00	1,591.10	1,591.53	1,591.48	1,591.20	1,590.78	1,590.69
17	1,590.73	1,590.73	1,590.82	1,590.86	1,591.08	1,590.99	1,591.10	1,591.44	1,591.55	1,591.18	1,590.78	1,590.68
18	1,590.72	1,590.74	1,590.82	1,590.88	1,591.08	1,590.99	1,591.09	1,591.37	1,591.65	1,591.19	1,590.77	1,590.68
19	1,590.71	1,590.75	1,590.81	1,590.87	1,591.09	1,590.99	1,591.08	1,591.29	1,591.70	1,591.18	1,590.76	1,590.67
20	1,590.71	1,590.75	1,590.82	1,590.91	1,591.10	1,590.99	1,591.08	1,591.21	1,591.62	1,591.17	1,590.78	1,590.67
21	1,590.70	1,590.75	1,590.82	1,590.93	1,591.10	1,591.01	1,591.07	1,591.16	1,591.52	1,591.15	1,590.77	1,590.66
22	1,590.70	1,590.75	1,590.82	1,590.92	1,591.09	1,591.03	1,591.06	1,591.12	1,591.44	1,591.14	1,590.76	1,590.66
23	1,590.70	1,590.75	1,590.81	1,590.92	1,591.09	1,591.04	1,591.04	1,591.09	1,591.39	1,591.12	1,590.76	1,590.66
24	1,590.70	1,590.76	1,590.79	1,590.91	1,591.08	1,591.05	1,591.03	1,591.10	1,591.34	1,591.10	1,590.79	1,590.66
25	1,590.70	1,590.75	1,590.81	1,590.92	1,591.08	1,591.05	1,591.03	1,591.13	1,591.30	1,591.08	1,590.79	1,590.65
26	1,590.74	1,590.77	1,590.81	1,590.92	1,591.08	1,591.05	1,591.03	1,591.13	1,591.27	1,591.06	1,590.79	1,590.64
27	1,590.74	1,590.77	1,590.82	1,590.92	1,591.08	1,591.05	1,591.02	1,591.12	1,591.24	1,591.04	1,590.80	1,590.64
28	1,590.74	1,590.77	1,590.82	1,590.93	1,591.08	1,591.05	1,591.01	1,591.10	1,591.21	1,591.02	1,590.83	1,590.64
29	1,590.74	1,590.78	1,590.83	1,590.93	---	1,591.05	1,591.01	1,591.09	1,591.20	1,591.01	1,590.83	1,590.64
30	1,590.73	1,590.78	1,590.83	1,590.93	---	1,591.05	1,591.00	1,591.09	1,591.18	1,590.99	1,590.80	1,590.63
31	1,590.72	---	1,590.83	1,590.93	---	1,591.05	---	1,591.08	---	1,590.97	1,590.79	---
MEAN	1,590.74	1,590.74	1,590.81	---	1,591.03	1,591.04	1,591.05	1,591.14	1,591.26	---	1,590.82	1,590.69
MAX	1,590.80	1,590.78	1,590.83	---	1,591.10	1,591.08	1,591.10	1,591.60	1,591.70	---	1,590.96	1,590.79
MIN	1,590.70	1,590.71	1,590.78	---	1,590.93	1,590.99	1,591.00	1,590.97	1,591.06	---	1,590.76	1,590.63

SEDGWICK COUNTY

374956097231601. Local number 07144200

LOCATION.--Lat 37°49'56", long 97°23'16", Hydrologic Unit 11030012, County Code 173, Maize quadrangle, on right bank at downstream side of county highway bridge, 0.5 mi west of Valley Center, and at mile 15.6 from mouth. Owner: U.S. Geological Survey.

AQUIFER.--Equus Beds. Aquifer code: 112PLSC.

WELL CHARACTERISTICS.--Drilled, unused water-table well, diameter 2 in., depth 50.0 ft, screened 40.0-50.0 ft.

INSTRUMENTATION.--Submersible transducer interfaced to a data-collection platform/data logger with a 1-hour update interval.

DATUM.--Datum of gage is NGVD of 1929. Measuring point is top of casing, elevation 1,349.64 ft, top of casing is 2.00 ft above land-surface datum.

REMARKS.--Records good. Water level fluctuates with river stage.

PERIOD OF RECORD.--October 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level 1,334.68 ft above NGVD of 1929, June 13, 1995; lowest, 1,327.59 ft above NGVD of 1929, Oct. 2, 1994.

EXTREMES FOR CURRENT YEAR.--Highest water level, 1,334.63 ft, June 13; lowest water level, 1,328.16 ft, Oct. 25.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,328.25	1,328.27	1,328.31	1,328.24	1,328.90	1,329.13	1,329.58	1,328.75	1,329.20	1,329.89	1,328.67	1,329.55
2	1,328.23	1,328.24	1,328.29	1,328.22	1,328.95	1,329.10	1,329.52	1,328.74	1,329.20	1,329.81	1,328.63	1,329.47
3	1,328.22	1,328.23	1,328.28	1,328.24	1,328.99	1,329.07	1,329.44	1,328.72	1,329.37	1,329.74	1,328.58	1,329.37
4	1,328.21	1,328.21	1,328.28	1,328.36	1,328.97	1,329.04	1,329.39	1,328.70	1,330.64	1,329.85	1,328.56	1,329.27
5	1,328.21	1,328.21	1,328.29	1,329.66	1,328.91	1,329.01	1,329.34	1,328.69	1,331.42	---	1,328.54	1,329.21
6	1,328.20	1,328.20	1,328.30	1,329.50	1,328.88	1,328.98	1,329.28	1,328.68	1,331.54	1,330.21	1,328.99	1,329.15
7	1,328.23	1,328.19	1,328.30	1,329.36	1,329.48	1,328.97	1,329.27	1,328.67	1,331.01	1,329.92	1,329.08	1,329.11
8	1,328.22	1,328.19	1,328.31	1,329.17	1,330.01	1,328.95	1,329.24	1,328.65	1,330.41	1,329.76	1,328.81	1,329.07
9	1,328.21	1,328.19	1,328.31	1,329.02	1,330.02	1,328.93	1,329.33	1,328.67	1,332.94	1,329.63	1,328.66	1,329.02
10	1,328.20	1,328.21	1,328.30	1,328.97	1,329.75	1,328.91	1,329.35	1,328.96	1,333.11	1,329.55	1,328.55	1,328.99
11	1,328.24	1,328.24	1,328.30	1,328.93	1,329.59	1,328.89	1,329.31	1,328.84	1,333.83	1,329.49	1,328.50	1,328.95
12	1,328.26	1,328.25	1,328.29	1,328.87	1,329.64	1,328.88	1,329.26	1,328.76	1,333.95	1,329.43	1,328.46	1,328.94
13	1,328.25	1,328.21	1,328.26	1,328.76	1,329.86	1,328.86	1,329.29	1,328.79	1,334.59	1,329.72	---	1,328.91
14	1,328.23	1,328.19	1,328.25	1,328.67	1,330.71	1,328.84	1,329.40	1,330.74	1,334.58	1,329.81	---	1,328.89
15	1,328.22	1,328.20	1,328.24	1,328.74	1,330.93	1,328.83	1,329.49	1,331.00	1,334.38	---	---	1,328.90
16	1,328.22	1,328.20	1,328.23	1,328.80	1,330.66	1,328.81	1,329.34	1,331.10	1,334.10	1,329.37	---	1,328.91
17	1,328.22	1,328.20	1,328.24	1,328.70	1,330.15	1,328.81	1,329.23	1,330.92	1,334.02	1,329.27	1,328.77	1,328.91
18	1,328.21	1,328.22	1,328.23	1,328.63	1,329.86	1,328.80	1,329.19	1,330.18	1,334.29	1,329.23	1,328.73	1,328.87
19	1,328.21	1,328.23	1,328.22	1,328.57	1,329.71	1,328.77	1,329.03	1,329.90	1,333.98	1,329.20	1,328.68	1,328.84
20	1,328.20	1,328.21	1,328.23	1,328.61	1,329.60	1,328.77	1,329.01	1,329.69	1,332.97	1,329.14	1,328.67	1,328.81
21	1,328.21	1,328.22	1,328.22	1,329.32	1,329.50	1,328.82	1,328.97	1,329.55	1,332.11	1,329.08	1,328.77	1,328.79
22	1,328.20	1,328.21	1,328.23	1,330.01	1,329.43	1,330.31	1,328.94	1,329.42	1,331.56	1,329.02	1,328.84	1,328.76
23	1,328.19	1,328.18	1,328.24	1,330.03	1,329.39	1,331.02	1,328.89	1,329.56	1,331.22	1,328.98	1,328.89	1,328.74
24	1,328.19	1,328.27	1,328.23	1,329.80	1,329.34	1,331.20	1,328.87	1,329.50	1,331.74	1,328.94	1,328.86	1,328.73
25	1,328.18	1,328.46	1,328.25	1,329.64	1,329.29	1,331.17	1,328.87	1,329.58	1,331.13	1,328.89	1,330.24	1,328.69
26	1,328.21	1,328.42	1,328.22	1,329.40	1,329.24	1,330.64	1,328.84	1,329.37	1,330.70	1,328.86	1,331.53	1,328.70
27	1,328.30	1,328.39	1,328.22	1,329.23	1,329.21	1,330.33	1,328.81	1,329.93	1,330.47	1,328.85	1,331.52	1,328.68
28	1,328.30	1,328.37	1,328.23	1,329.12	1,329.17	1,330.09	1,328.80	1,329.60	1,330.28	1,328.82	1,330.83	1,328.67
29	1,328.33	1,328.33	1,328.22	1,329.04	---	1,329.91	1,328.78	1,329.38	1,330.14	1,328.78	1,330.30	1,328.66
30	1,328.33	1,328.33	1,328.24	1,328.97	---	1,329.78	1,328.76	1,329.28	1,330.00	1,328.74	1,329.92	1,328.65
31	1,328.30	---	1,328.23	1,328.92	---	1,329.68	---	1,329.22	---	1,328.71	1,329.68	---
MEAN	1,328.23	1,328.25	1,328.26	1,329.02	1,329.58	1,329.40	1,329.16	1,329.40	1,331.96	---	---	1,328.94
MAX	1,328.33	1,328.46	1,328.31	1,330.03	1,330.93	1,331.20	1,329.58	1,331.10	1,334.59	---	---	1,329.55
MIN	1,328.18	1,328.18	1,328.22	1,328.22	1,328.88	1,328.77	1,328.76	1,328.65	1,329.20	---	---	1,328.65

SEDGWICK COUNTY

375259097252901. Local number EB-142

LOCATION.-- Lat 37°52'59", long 97°25'29", Hydrologic Unit 11030012, County Code 173, Sedgwick quadrangle, at the downstream side of the county bridge, 2.0 mi south of Sedgwick, 4.1 mi downstream from Sand Creek. Owner: U.S. Geological Survey.

AQUIFER.--Equus Beds. Aquifer code: 112PLSC.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 2 in., depth 48.5 ft, screened 38.5-48.5 ft.

INSTRUMENTATION.--Submersible transducer interfaced to a data-collection platform/data logger with a 1-hour update interval.

DATUM.-- Datum of gage is NGVD of 1929. Measuring point is top of PVC casing, elevation 1,370.34 ft, top of casing is 1.5 ft above land surface.

REMARKS.--Records good. Water level flucuates with river stage and nearby pumping.

PERIOD OF RECORD.--November 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1,359.52 ft above NGVD of 1929, Nov. 4, 1998; lowest, 1,344.40 ft above NGVD of 1929, Aug. 29, 2002.

EXTREMES FOR CURRENT YEAR.--Highest water level, 1,354.79 ft, June 14; lowest water level, 1,345.15 ft, Jan. 2.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,345.57	1,345.41	1,345.34	1,345.17	1,345.70	1,345.89	1,346.52	1,345.88	1,346.46	1,348.30	1,346.36	1,346.86
2	1,345.55	1,345.39	1,345.33	1,345.16	1,345.72	1,345.88	1,346.48	1,345.87	1,346.44	1,348.19	1,346.31	1,346.76
3	1,345.55	1,345.39	1,345.33	1,345.16	1,345.74	1,345.86	1,346.43	1,345.86	1,346.50	1,348.08	1,346.24	1,346.68
4	1,345.53	1,345.36	1,345.33	1,345.23	1,345.74	1,345.83	1,346.40	1,345.84	1,347.02	1,348.16	1,346.19	1,346.60
5	1,345.52	1,345.38	1,345.34	1,345.61	1,345.72	1,345.80	1,346.36	1,345.82	1,347.51	1,348.40	1,346.17	1,346.53
6	1,345.52	1,345.36	1,345.33	1,345.69	1,345.69	1,345.80	1,346.31	1,345.82	1,347.62	1,348.25	1,346.50	1,346.45
7	1,345.51	1,345.35	1,345.31	1,345.74	1,345.89	1,345.78	1,346.28	1,345.81	1,347.49	1,348.06	1,346.53	1,346.39
8	1,345.52	1,345.34	1,345.33	1,345.69	1,346.16	1,345.77	1,346.27	1,345.80	1,347.30	1,347.90	1,346.36	1,346.35
9	1,345.50	1,345.34	1,345.33	1,345.63	1,346.20	1,345.73	1,346.31	1,345.80	1,351.04	1,347.78	1,346.21	1,346.30
10	1,345.49	1,345.35	1,345.31	1,345.61	1,346.14	1,345.73	1,346.31	e1,345.95	1,351.78	1,347.65	1,346.13	1,346.25
11	1,345.50	1,345.36	1,345.31	1,345.61	1,346.08	1,345.73	1,346.29	1,345.90	1,352.61	1,347.55	1,346.07	1,346.21
12	1,345.51	1,345.34	1,345.29	1,345.58	1,346.12	1,345.72	1,346.24	1,345.84	1,352.70	1,347.46	1,346.03	1,346.18
13	1,345.49	1,345.33	1,345.27	1,345.51	1,346.22	1,345.69	1,346.26	1,346.03	1,354.39	1,347.65	1,346.02	1,346.15
14	1,345.49	1,345.32	1,345.27	1,345.45	1,346.56	1,345.67	1,346.32	1,347.95	1,354.55	1,347.60	1,346.02	1,346.12
15	1,345.48	1,345.31	1,345.27	1,345.45	1,346.72	1,345.65	1,346.36	1,348.38	1,353.73	e1,347.47	1,346.02	1,346.10
16	1,345.47	1,345.32	1,345.25	1,345.43	1,346.62	1,345.65	1,346.28	1,348.56	1,352.74	1,347.35	1,346.00	1,346.11
17	1,345.47	1,345.32	1,345.26	1,345.41	1,346.48	1,345.66	1,346.23	1,347.88	1,352.65	1,347.26	1,345.99	1,346.10
18	1,345.45	1,345.32	1,345.24	1,345.41	1,346.35	1,345.64	1,346.21	1,347.51	1,353.32	1,347.17	1,345.95	1,346.06
19	1,345.44	1,345.32	1,345.23	1,345.39	1,346.28	1,345.59	1,346.17	1,347.28	1,352.46	1,347.12	1,345.92	1,346.03
20	1,345.43	1,345.31	1,345.27	1,345.44	1,346.21	1,345.60	1,346.14	1,347.11	1,351.39	1,347.04	1,345.89	1,346.00
21	1,345.43	1,345.30	1,345.22	1,345.76	1,346.15	1,345.65	1,346.11	1,346.99	1,350.71	1,346.96	1,345.98	1,345.98
22	1,345.43	1,345.30	1,345.22	1,346.01	1,346.10	1,346.34	1,346.07	1,346.86	1,350.26	1,346.89	1,345.99	1,345.96
23	1,345.41	1,345.30	1,345.20	1,346.08	1,346.08	1,347.58	1,346.04	1,346.82	1,349.91	1,346.83	1,346.03	1,345.93
24	1,345.41	1,345.30	1,345.20	1,346.10	1,346.05	1,347.62	1,346.03	1,346.75	1,350.05	1,346.76	1,345.97	1,345.91
25	1,345.38	1,345.42	1,345.20	1,346.07	1,346.01	1,347.39	1,346.02	1,346.70	1,349.61	1,346.71	1,346.86	1,345.91
26	1,345.40	1,345.43	1,345.18	1,345.96	1,345.98	1,347.17	1,345.99	1,346.62	1,349.27	1,346.64	1,347.89	1,345.86
27	1,345.43	1,345.39	1,345.18	1,345.89	1,345.95	1,347.02	1,345.96	1,346.89	1,349.03	1,346.59	1,347.78	1,345.85
28	1,345.44	1,345.41	1,345.18	1,345.85	1,345.93	1,346.89	1,345.95	1,346.73	1,348.80	1,346.54	1,347.54	1,345.82
29	1,345.48	1,345.36	1,345.18	1,345.79	---	1,346.79	1,345.93	1,346.61	1,348.62	1,346.49	1,347.33	1,345.80
30	1,345.45	1,345.36	1,345.19	1,345.76	---	1,346.67	1,345.91	1,346.54	1,348.43	1,346.45	1,347.12	1,345.80
31	1,345.44	---	1,345.17	1,345.71	---	1,346.59	---	1,346.49	---	1,346.41	1,346.96	---
MEAN	1,345.47	1,345.35	1,345.26	1,345.62	1,346.09	1,346.14	1,346.21	1,346.61	1,350.15	1,347.35	1,346.40	1,346.17
MAX	1,345.57	1,345.43	1,345.34	1,346.10	1,346.72	1,347.62	1,346.52	1,348.56	1,354.55	1,348.40	1,347.89	1,346.86
MIN	1,345.38	1,345.30	1,345.17	1,345.16	1,345.69	1,345.59	1,345.91	1,345.80	1,346.44	1,346.41	1,345.89	1,345.80

e Estimated

STAFFORD COUNTY

381119098435301. Local number 21S 13W 27DDDC01

LOCATION.--Lat 38°11'19", long 98°43'53", Hydrologic Unit 11030004, County Code 185, 12 mi south and 0.75 mi east of Great Bend. Owner: U.S. Geological Survey.

AQUIFER.--Ogallala Formation. Aquifer code: 121OGLL.

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in., depth 44 ft. Prior to Mar. 27, 2000, well was located 200 ft from current site and published under station number 381120098434802.

INSTRUMENTATION.--Submersible transducer interfaced to a data-collection platform/data logger with a 1-hour update interval.

DATUM.--Datum of gage is NGVD of 1929. Measuring point is top of PVC casing, elevation 1,880.57 ft, measuring point is 4.7 ft above land surface.

REMARKS.--Records good. Water level fluctuates with nearby pumping.

PERIOD OF RECORD.--2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1,871.55 ft above NGVD of 1929, May 10, 2000; lowest, 1,861.43 ft above NGVD of 1929, Sept. 22, 2004.

EXTREMES FOR CURRENT YEAR.--Highest water level, 1,863.34, July 16; lowest water level, 1,861.48, Oct. 6.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY OBSERVATION AT 1200 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,861.50	1,861.71	1,861.84	1,861.88	1,861.93	1,862.17	1,862.33	1,862.58	1,862.43	1,862.64	1,862.95	1,862.68
2	1,861.50	1,861.71	1,861.84	1,861.88	1,861.93	1,862.18	1,862.33	1,862.59	1,862.46	1,862.61	1,862.91	1,862.69
3	1,861.51	1,861.72	1,861.85	1,861.89	1,861.92	1,862.18	1,862.35	1,862.59	1,862.48	1,862.57	1,862.87	1,862.70
4	1,861.50	1,861.72	1,861.85	1,861.89	1,861.93	---	1,862.36	1,862.59	1,862.49	1,862.71	1,862.80	1,862.71
5	1,861.50	1,861.74	1,861.86	1,861.88	1,861.94	1,862.19	1,862.36	1,862.59	1,862.49	1,862.88	1,862.76	1,862.70
6	1,861.48	1,861.74	1,861.87	1,861.87	1,861.94	1,862.21	1,862.36	1,862.59	1,862.50	1,862.99	1,862.74	1,862.69
7	1,861.49	1,861.74	1,861.86	1,861.86	1,861.94	1,862.20	1,862.36	1,862.59	1,862.52	1,863.07	1,862.70	1,862.69
8	1,861.50	1,861.75	1,861.87	1,861.85	1,861.95	1,862.22	1,862.38	1,862.58	1,862.51	1,863.14	1,862.66	1,862.68
9	1,861.51	1,861.76	1,861.86	1,861.87	1,861.96	1,862.22	---	1,862.56	1,862.52	1,863.19	1,862.63	1,862.68
10	1,861.53	1,861.77	1,861.86	1,861.88	1,861.96	1,862.22	---	1,862.55	1,862.52	1,863.23	1,862.59	1,862.66
11	1,861.55	1,861.76	1,861.87	1,861.89	1,861.96	1,862.23	1,862.42	1,862.52	1,862.54	1,863.26	1,862.56	1,862.64
12	1,861.57	1,861.77	1,861.86	1,861.90	1,861.98	1,862.24	1,862.43	1,862.49	1,862.55	1,863.29	1,862.53	1,862.62
13	1,861.58	1,861.77	1,861.85	1,861.89	1,861.99	1,862.24	1,862.45	1,862.47	1,862.60	1,863.31	1,862.51	1,862.58
14	1,861.60	1,861.78	1,861.85	1,861.89	1,862.02	1,862.24	---	1,862.45	1,862.63	1,863.32	1,862.49	1,862.55
15	1,861.61	1,861.78	1,861.87	1,861.89	1,862.04	1,862.25	1,862.47	1,862.44	1,862.65	1,863.32	1,862.48	1,862.54
16	1,861.61	1,861.79	1,861.86	1,861.89	1,862.05	1,862.25	1,862.47	1,862.44	1,862.69	1,863.33	1,862.47	1,862.54
17	1,861.63	1,861.79	1,861.85	1,861.89	1,862.06	1,862.26	1,862.49	1,862.43	1,862.71	1,863.34	1,862.47	1,862.57
18	1,861.63	1,861.80	1,861.83	1,861.90	1,862.08	1,862.26	1,862.50	1,862.38	1,862.74	1,863.32	1,862.45	1,862.57
19	1,861.63	1,861.80	1,861.83	1,861.89	1,862.09	1,862.26	1,862.51	1,862.34	1,862.75	1,863.33	1,862.43	1,862.55
20	1,861.63	1,861.80	1,861.83	1,861.90	1,862.10	1,862.27	1,862.52	1,862.30	1,862.77	1,863.33	1,862.42	1,862.55
21	1,861.64	1,861.81	1,861.83	1,861.91	1,862.11	1,862.29	1,862.52	1,862.28	1,862.78	1,863.31	1,862.42	1,862.56
22	1,861.64	1,861.81	1,861.84	1,861.90	1,862.11	1,862.28	1,862.51	1,862.23	1,862.79	1,863.29	1,862.43	1,862.55
23	1,861.63	1,861.82	1,861.83	1,861.92	1,862.12	1,862.29	1,862.53	1,862.21	1,862.81	1,863.28	1,862.45	1,862.53
24	1,861.64	1,861.82	1,861.83	1,861.92	1,862.13	1,862.30	1,862.55	1,862.24	1,862.81	1,863.24	1,862.48	1,862.55
25	1,861.65	1,861.83	1,861.82	1,861.92	1,862.14	1,862.30	1,862.56	1,862.30	1,862.81	1,863.21	1,862.51	1,862.55
26	1,861.66	1,861.84	1,861.83	1,861.92	1,862.15	1,862.31	1,862.55	1,862.32	1,862.81	1,863.15	1,862.55	1,862.52
27	1,861.67	1,861.82	1,861.85	1,861.92	1,862.16	1,862.32	1,862.56	1,862.35	1,862.78	1,863.13	1,862.59	1,862.53
28	1,861.68	1,861.84	1,861.86	1,861.93	1,862.16	1,862.33	1,862.57	1,862.36	1,862.75	1,863.10	1,862.62	1,862.51
29	1,861.69	1,861.83	1,861.87	1,861.92	---	1,862.34	1,862.57	1,862.37	1,862.72	1,863.06	1,862.64	1,862.52
30	1,861.69	1,861.84	1,861.88	1,861.93	---	1,862.33	1,862.58	1,862.38	1,862.69	1,863.03	1,862.67	1,862.53
31	1,861.71	---	1,861.88	1,861.92	---	1,862.33	---	1,862.40	---	1,862.99	1,862.67	---
MEAN	1,861.59	1,861.78	1,861.85	1,861.90	1,862.03	---	---	1,862.44	1,862.64	1,863.13	1,862.60	1,862.60
MAX	1,861.71	1,861.84	1,861.88	1,861.93	1,862.16	---	---	1,862.59	1,862.81	1,863.34	1,862.95	1,862.71
MIN	1,861.48	1,861.71	1,861.82	1,861.85	1,861.92	---	---	1,862.21	1,862.43	1,862.57	1,862.42	1,862.51

KANSAS RIVER BASIN

384021100545400 SCOTT LAKE STATE PARK, KS

(National Atmospheric Deposition Program/National Trends Network station)

LOCATION.--Lat 38°40"21", long 100°54'54", in SW ¼ SW ¼ SE ¼ sec.12, T.16 S., R.33 W., Scott County, Hydrologic Unit 10260004, 14 mi north of Scott City, and 1 mi south of Scott Lake.

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

INSTRUMENTATION.--The sample collector is an Aerochem Metrics Wet/Dry Precipitation Collector and a recording rain gage (with event recorder).

REMARKS.--Chemical analyses of rainfall collected in wet-dry automatic sampler. Data collected in cooperation with Kansas Department of Wildlife and Parks. Chemical analyses from National Atmospheric Deposition Program, National Trends Network Analytical Laboratory. If a sufficient volume of sample is collected, specific conductance and pH are measured in the field before the composite sample is sent in for analysis.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Precip-itation total, in/wk (00046)	pH, water, unfltrd lab, std units (00403)	Specif. conduc-tance, wat unf lab, uS/cm 25 degC (90095)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium adsorp-tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chlor-ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L (71846)
OCT 05-12	.33	6.2	5	--	.05	.01	.01	.0	M	4	M	.5	.46
OCT 12-19	.14	5.9	12	1	.47	.08	.06	.0	.04	5	M	1.9	.78
NOV 09-16	.67	5.8	5	--	.06	.01	.01	.0	.01	7	M	.5	.37
NOV 16-23	.95	6.2	4	--	.04	M	.01	.0	.01	11	M	.3	.47
NOV 23-30	.21	5.1	7	--	.05	.01	.01	.0	.01	9	M	.5	.30
DEC 28 2004-JAN 04 2005	.22	5.7	7	--	.05	M	.01	.0	.02	25	.1	.9	.61
JAN 04-11	.51	5.4	3	--	.02	<.003	.02	--	.01	--	.1	.2	.08
JAN 25-FEB 01	.04	6.3	15	--	.10	.01	.05	.2	.25	62	.4	1.3	1.52
FEB 01-08	.91	5.8	3	--	.01	<.003	<.003	--	<.003	--	<.005	.3	.24
FEB 08-15	.11	6.8	7	--	.02	<.003	.01	--	.01	--	M	.2	1.01
FEB 15-22	.04	6.6	10	1	.45	.03	.03	.0	.12	17	.2	.7	.80
FEB 22-MAR 01	--	6.2	25	2	.61	.05	.06	.0	.10	10	.1	2.9	2.15
MAR 08-15	.04	6.3	9	1	.43	.04	.09	.0	.08	12	.1	.7	.67
MAR 15-22	.89	5.8	5	--	.05	.01	.01	.0	.01	16	M	.4	.42
MAR 29-APR 05	.15	6.5	10	1	.42	.03	.04	.0	.03	5	M	.8	.89
APR 05-12	1.43	6.7	12	2	.58	.07	.03	.1	.30	27	.2	1.5	.77
APR 19-26	.12	6.2	7	--	.13	.01	.02	.0	.01	6	M	.6	.68
APR 26-MAY 03	.38	6.6	12	1	.48	.04	.04	.0	.04	5	M	1.0	1.03
MAY 10-17	.84	6.5	10	--	.34	.04	.05	.0	.11	19	.1	1.4	.82
MAY 17-24	.52	6.4	15	2	.63	.05	.10	.0	.07	7	.1	1.3	1.21
MAY 24-31	1.70	6.6	12	--	.24	.02	.04	.0	.03	7	.1	1.2	1.35
MAY 31-JUN 07	.15	5.7	12	--	.29	.03	.04	.0	.09	17	.1	1.2	.96

KANSAS RIVER BASIN—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Nitrate water, fltrd, mg/L (71851)	Phosphate, water, fltrd, mg/L (00653)	Sample volume, mL (32002)
OCT 05-12	.563	<.01	490
OCT 12-19	1.82	<.01	240
NOV 09-16	.648	.01	1,100
NOV 16-23	.678	<.01	1,500
NOV 23-30	1.17	<.01	290
DEC 28 2004-JAN 04 2005	.911	<.01	520
JAN 04-11	.200	<.01	750
JAN 25-FEB 01	2.16	<.01	62
FEB 01-08	.290	<.01	1,600
FEB 08-15	.468	<.01	200
FEB 15-22	1.84	<.01	69
FEB 22-MAR 01	4.91	<.01	83
MAR 08-15	1.20	<.01	36
MAR 15-22	.721	<.01	1,500
MAR 29-APR 05	1.10	<.01	270
APR 05-12	1.07	<.01	2,500
APR 19-26	.928	<.01	210
APR 26-MAY 03	1.46	<.01	660
MAY 10-17	.660	<.01	1,400
MAY 17-24	1.99	<.01	830
MAY 24-31	1.57	<.01	2,800
MAY 31-JUN 07	2.11	<.01	260

KANSAS RIVER BASIN—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Precip-itation total, in/wk (00046)	pH, water, unfltrd lab, std units (00403)	Specif. conduc-tance, wat unf lab, uS/cm 25 degC (90095)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium adsorp-tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chlor-ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L (71846)
JUN 07-14	.48	6.4	12	1	.37	.04	.07	.0	.12	18	.2	1.1	1.09
JUN 14-21	1.53	6.4	13	2	.54	.05	.10	.0	.08	10	.1	1.5	1.05
JUN 21-28	.60	6.2	17	3	1.18	.08	.14	.0	.11	7	.2	2.2	1.00
JUN 28-JUL 05	--	6.4	16	2	.56	.05	.12	.0	.05	6	.1	1.4	1.45
JUL 05-12	1.17	6.4	12	1	.36	.03	.05	.0	.05	9	.1	1.2	1.02
JUL 19-26	1.71	6.6	9	1	.39	.03	.06	.0	.04	7	.1	.6	.70
AUG 02-09	--	5.8	18	1	.45	.05	.06	.0	.04	6	.1	2.6	1.61
AUG 09-16	.99	5.9	6	--	.10	.01	.01	.0	.01	6	M	.5	.56
AUG 16-23	1.40	6.4	6	--	.28	.01	.03	.0	.01	2	M	.3	.61
AUG 23-30	1.15	6.1	6	--	.15	.01	.03	.0	.01	4	M	.5	.57
AUG 30-SEP 06	2.25	5.9	6	--	.09	.01	.01	.0	.01	9	M	.8	.53
SEP 13-20	.62	5.9	6	--	.19	.01	.03	.0	.02	9	.1	.7	.48
SEP 27-OCT 04	.15	6.1	13	2	.82	.05	.08	.0	.04	4	.1	2.2	.68

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Nitrate water, fltrd, mg/L (71851)	Phos-phate, water, fltrd, mg/L (00653)	Sample volume, mL (32002)
JUN 07-14	1.59	<.01	860
JUN 14-21	1.27	<.01	2,500
JUN 21-28	2.05	<.01	870
JUN 28-JUL 05	2.17	.02	960
JUL 05-12	1.65	<.01	1,900
JUL 19-26	1.02	<.01	2,900
AUG 02-09	2.72	<.01	150
AUG 09-16	1.22	<.01	1,700
AUG 16-23	.647	<.01	2,400
AUG 23-30	.942	<.01	2,000
AUG 30-SEP 06	.492	<.01	3,800
SEP 13-20	.969	<.01	1,100
SEP 27-OCT 04	1.51	<.01	300

M Presence of material verified, but not quantified
< Actual value is known to be less than the value shown

OSAGE RIVER BASIN

373903094481300 FARLINGTON STATE FISH HATCHERY, KS

(National Atmospheric Deposition Program/National Trends Network station)

LOCATION.--Lat 37°39'03", long 94°48'13", in NW ¼ NW ¼ SE ¼ sec.32, T.27 S., R.24 E., Crawford County, Hydrologic Unit 10290104, 3 mi northwest of Farlington, and 0.5 mi northwest of Farlington Lake.

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

INSTRUMENTATION.--The sample collector is an Aerochem Metrics Wet/Dry Precipitation Collector and a recording rain gage (with event recorder).

REMARKS.--Chemical analyses of rainfall collected in wet-dry automatic sampler. Data collected in cooperation with Kansas Department of Wildlife and Parks. Chemical analyses from National Atmospheric Deposition Program, National Trends Network Analytical Laboratory. If a sufficient volume of sample is collected, specific conductance and pH are measured in the field before the composite sample is sent in for analysis.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Precip-itation total, in/wk (00046)	pH, water, unfltrd lab, std units (00403)	Specif. conduc-tance, wat unf lab, uS/cm 25 degC (90095)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium adsorp-tion ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chlor-ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L (71846)
OCT 05-12	2.69	4.4	20	--	.08	.01	.01	.0	.05	29	.1	1.8	.26
OCT 12-19	.31	7.4	10	2	.69	.09	.04	.1	.24	19	M	1.2	.40
OCT 19-26	.44	5.0	10	--	.20	.02	.01	.0	.07	22	.1	1.5	.42
OCT 26-NOV 02	2.72	5.1	6	--	.07	.01	.01	.0	.05	32	.1	.6	.14
NOV 02-09	1.02	4.9	6	--	.03	<.003	<.003	--	<.003	--	M	.5	.04
NOV 09-16	2.39	4.9	13	--	.16	.01	.02	.0	.03	13	.1	1.5	.48
NOV 16-23	.68	4.7	12	--	.04	.01	.01	.0	.02	23	M	1.1	.27
NOV 23-30	2.01	4.7	12	--	.08	.01	.01	.0	.04	26	.1	1.0	.24
NOV 30-DEC 07	.94	4.6	12	--	.06	M	.01	.0	.01	12	M	1.1	.18
DEC 28 2004-JAN 04 2005	.83	4.8	12	--	.09	.02	.02	.1	.15	50	.2	1.3	.37
JAN 04-11	3.41	4.9	7	--	.05	.01	.01	.0	.03	28	M	.7	.17
JAN 11-18	1.27	5.3	9	--	.18	.02	.02	.1	.17	40	.2	1.4	.38
JAN 25-FEB 01	.28	4.7	15	--	.36	.01	.03	.0	.02	4	M	1.3	.41
FEB 01-07	.58	4.7	13	--	.04	<.003	.01	--	M	--	M	1.1	.23
FEB 07-15	.65	4.7	16	--	.09	.01	.01	.0	.04	25	.1	1.5	.53
FEB 15-22	.10	6.0	16	2	.79	.04	.03	.0	.04	3	.1	2.0	1.10
FEB 22-MAR 01	.55	4.8	12	--	.18	.01	.01	.0	.02	7	M	1.2	.45
MAR 01-08	.16	6.9	31	5	1.90	.13	.08	.0	.04	2	.1	3.0	2.43
MAR 08-15	.11	6.7	16	3	1.27	.06	.03	.0	.04	2	.1	1.4	.99
MAR 15-22	.80	5.1	11	--	.31	.02	.01	.0	.03	7	.1	1.7	.52
MAR 22-29	.24	6.4	24	5	1.93	.10	.08	.0	.24	9	.3	3.6	1.11
MAR 29-APR 05	.08	6.9	21	4	1.62	.09	.03	.0	.09	4	.1	1.2	.90
APR 05-12	1.77	6.0	7	1	.43	.03	.03	.0	.11	16	.148	1.1	.35
APR 19-26	.43	5.5	13	2	.61	.04	.03	.0	.03	4	.1	2.1	.79

OSAGE RIVER BASIN—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Nitrate water, fltrd, mg/L (71851)	Phos-phate, water, fltrd, mg/L (00653)	Sample volume, mL (32002)
OCT 05-12	1.04	<.01	4,400
OCT 12-19	1.03	<.01	550
OCT 19-26	.802	<.01	720
OCT 26-NOV 02	.352	<.01	4,800
NOV 02-09	.286	<.01	1,700
NOV 09-16	1.05	<.01	4,100
NOV 16-23	.873	<.01	1,100
NOV 23-30	1.01	<.01	3,500
NOV 30-DEC 07	.804	<.01	1,500
DEC 28 2004-JAN 04 2005	.987	<.01	1,300
JAN 04-11	.475	<.01	5,900
JAN 11-18	.672	<.01	2,100
JAN 25-FEB 01	2.09	<.01	450
FEB 01-07	.787	<.01	1,000
FEB 07-15	1.55	<.01	1,100
FEB 15-22	3.66	<.01	150
FEB 22-MAR 01	1.45	<.01	910
MAR 01-08	5.39	<.01	280
MAR 08-15	2.11	<.01	230
MAR 15-22	1.11	<.01	1,400
MAR 22-29	4.37	<.01	480
MAR 29-APR 05	2.65	<.01	130
APR 05-12	.901	<.01	3,100
APR 19-26	1.91	<.01	740

OSAGE RIVER BASIN—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Precipitation total, in/wk (00046)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L (71846)
APR 26-MAY 03	.72	5.2	14	1	.42	.03	.02	.0	.04	7	.1	1.9	.76
MAY 03-10	.15	5.2	13	1	.41	.04	.04	.0	.12	17	.2	1.8	.68
MAY 10-17	2.70	5.0	10	--	.15	.02	.03	.1	.10	30	.2	1.3	.43
MAY 17-24	.01	5.2	20	6	2.02	.12	.08	.0	.25	9	.4	1.9	.16
MAY 24-31	.91	6.2	11	2	.67	.04	.04	.0	.06	6	.1	1.2	.68
MAY 31-JUN 07	1.87	4.7	17	1	.44	.03	.05	.0	.10	14	.2	2.1	.61
JUN 07-14	3.14	4.8	14	--	.21	.03	.03	.1	.13	31	.2	1.4	.32
JUN 14-21	.14	5.0	11	--	.31	.02	.02	.0	.04	10	.3	1.0	.41
JUN 28-JUL 05	2.02	4.8	13	--	.19	.02	.04	.0	.05	15	.1	1.2	.42
JUL 12-19	.61	5.6	5	--	.23	.02	.01	.0	.05	14	.1	.5	.21
JUL 26-AUG 02	.34	6.3	14	3	1.12	.08	.04	.1	.24	14	.3	1.8	.38
AUG 02-09	.10	7.1	24	9	3.25	.09	.04	.0	.02	.0	.1	3.0	.46
AUG 09-16	3.89	5.4	6	--	.20	.01	.02	.0	.04	13	.6	.7	.22
AUG 16-23	.82	4.9	11	--	.25	.01	.01	.0	.05	14	.1	.7	.27
AUG 23-30	1.06	4.7	18	1	.47	.02	.02	.0	.06	10	.1	1.5	.38
AUG 30-SEP 06	.09	7.2	28	8	3.21	.10	.05	.0	.02	.0	.1	2.6	.88
SEP 13-20	.93	6.1	7	2	.56	.03	.02	.0	.04	5	.1	.8	.22
SEP 27-OCT 04	.25	5.3	14	2	.78	.03	.04	.0	.04	4	.1	2.1	.57

OSAGE RIVER BASIN—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Nitrate water, fltrd, mg/L (71851)	Phos-phate, water, fltrd, mg/L (00653)	Sample volume, mL (32002)
APR 26-MAY 03	1.82	<.01	1,200
MAY 03-10	1.91	<.01	260
MAY 10-17	.998	<.01	4,600
MAY 17-24	3.79	<.01	25
MAY 24-31	1.75	<.01	1,600
MAY 31-JUN 07	1.74	<.01	3,300
JUN 07-14	1.07	<.01	5,400
JUN 14-21	.778	<.01	240
JUN 28-JUL 05	1.26	<.01	3,400
JUL 12-19	.666	<.01	1,100
JUL 26-AUG 02	2.44	<.01	530
AUG 02-09	2.25	<.01	200
AUG 09-16	.693	<.01	6,400
AUG 16-23	1.59	<.01	1,400
AUG 23-30	2.24	<.01	1,900
AUG 30-SEP 06	3.99	<.01	160
SEP 13-20	1.09	<.01	1,600
SEP 27-OCT 04	1.83	<.01	440

M Presence of material verified, but not quantified
< Actual value is known to be less than the value shown

Rainbow at Big Creek Tributary near Hays partial-record station (station 06863700, fig.3). Photograph courtesy of C.A. Dare.

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Conversion Factors

Multiply	By	To obtain
	Length	
inch (in.)	2.54×10^{1}	millimeter (mm)
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter (m)
mile (mi)	1.609×10^{0}	kilometer (km)
	Area	
acre	4.047×10^{3}	square meter (m^2)
	4.047×10^{-1}	square hectometer (hm^2)
	4.047×10^{-3}	square kilometer (km^2)
square mile (mi^2)	2.590×10^{0}	square kilometer (km^2)
	Volume	
gallon (gal)	3.785×10^{0}	liter (L)
	3.785×10^{-3}	cubic meter (m^3)
	3.785×10^{0}	cubic decimeter (dm^3)
million gallons (Mgal)	3.785×10^{3}	cubic meter (m^3)
	3.785×10^{-3}	cubic hectometer (hm^3)
cubic foot (ft^3)	2.832×10^{-2}	cubic meter (m^3)
	2.832×10^{1}	cubic decimeter (dm^3)
cubic-foot-per-second-per-day [(ft^3/s/d]	2.447×10^{3}	cubic meter (m^3)
	2.447×10^{-3}	cubic hectometer (hm^3)
acre-foot (acre-ft)	1.223×10^{3}	cubic meter (m^3)
	1.223×10^{-3}	cubic hectometer (hm^3)
	1.223×10^{-6}	cubic kilometer (km^3)
	Flow rate	
cubic foot per second (ft^3/s)	2.832×10^{1}	liter (L/s)
	2.832×10^{-2}	cubic meter per second (m^3/s)
	2.832×10^{1}	cubic decimeter per second (dm^3/s)
cubic feet per square mile (ft^3/mi^2)	1.0933×10^{-2}	cubic meters per square kilometer (m^3/km^2)
gallon per minute (gal/min)	6.309×10^{-2}	liter per second (L/s)
	6.309×10^{-5}	cubic meter per second (m^3/s)
	6.309×10^{-2}	cubic decimeter per second (dm^3/s)
million gallons per day (Mgal/d)	4.381×10^{-2}	cubic meter per second
	4.381×10^{1}	cubic decimeter per second (dm^3/s)
	Mass	
ton, short (2,000 lb)	9.072×10^{-1}	megagram (Mg) or metric ton

Temperature in degrees Celsius (°C) may be converted to degrees Fahrenheit (°F) as follows:

$$°F = (1.8 \times °C) + 32$$