06813500 MISSOURI RIVER AT RULO, NE

LOCATION.--Lat 40°03'13", long 95°25'19", in NW¼ NW¼ sec.17, T.1 N., R.18 E., Richardson County, Hydrologic Unit 10240005, on right bank at downstream side of bridge on U.S. Highway 159 at Rulo, 3.2 mi upstream from Big Nemaha River, and 498.0 mi upstream from mouth.

DRAINAGE AREA.--414,900 mi^2, approximately. The 3,959 mi^2 in Great Divide basin are not included.

PERIOD OF RECORD.--October 1949 to current year in reports of U.S. Geological Survey. Gage-height record collected at site 80 ft upstream January 1886 to December 1899 published in reports of Missouri River Commission; September 1929 to September 1950 in files of Kansas City office of U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 837.23 ft above NGVD of 1929. Oct. 1949 to Sept. 12, 1950, nonrecording gage at site 80 ft upstream and Sept. 13, 1950 to Apr. 19, 1983, recording gage on downstream end of middle pier, all at same datum.

REMARKS.--No estimated daily discharges. Records good. Flow regulated by upstream main-stem reservoirs. Fort Randall Dam was completed in July 1952, with storage beginning in December 1952. Gavins Point Dam was completed in July 1955, with storage beginning in December 1955. U.S. Army Corps of Engineers satellite telemeter at the station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 358,000 ft^3/s Apr. 22, 1952, gage height, 25.60 ft; minimum daily discharge, 4,420 ft^3/s Jan. 13, 1957; minimum gage height, -0.19 ft Dec. 25, 1990, result of freezeup.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1881 reached a stage of 22.9 ft, from floodmark, discharge not determined.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36,000	19,700	20,200	22,100	22,900	20,600	32,800	35,300	44,100	45,700	31,000	31,400
2	35,300	19,700	19,900	22,700	23,200	20,200	33,100	35,200	46,600	44,000	31,100	30,800
3	34,600	20,500	19,800	23,100	23,400	20,000	34,000	35,100	43,500	41,900	31,500	30,800
4	34,600	20,400	19,200	21,900	23,800	20,000	33,200	34,900	45,300	40,400	31,100	30,400
5	34,100	20,400	19,000	19,600	24,200	20,200	32,000	34,000	46,500	39,500	30,800	30,500
6	33,500	19,800	20,100	18,400	24,600	19,900	32,300	34,300	45,800	38,600	30,800	30,000
7	32,900	19,200	21,000	17,700	27,100	19,200	33,800	33,800	54,100	37,800	31,300	30,100
8	32,200	19,200	21,500	17,800	29,600	19,100	32,700	32,900	54,000	36,700	30,900	30,300
9	32,100	18,900	21,200	17,800	25,300	18,900	32,100	33,400	55,500	35,500	30,400	30,700
10	31,400	19,000	20,900	18,100	21,700	18,800	32,300	34,100	59,500	35,000	30,300	30,700
11	29,400	19,200	21,000	18,500	19,900	18,700	32,800	35,200	66,900	34,500	30,500	30,300
12	27,600	19,900	21,600	18,800	19,100	18,900	35,100	41,400	68,300	33,900	32,800	30,500
13	25,800	19,600	21,900	19,100	20,800	18,800	37,500	77,000	60,800	33,700	34,100	30,400
14	23,600	19,200	21,800	19,800	30,200	18,400	37,600	78,600	54,800	33,600	36,300	31,100
15	22,800	19,000	21,600	20,100	42,800	18,100	36,900	71,400	52,300	33,000	31,200	32,100
16	22,500	19,200	21,100	19,800	39,900	17,900	34,900	58,600	49,800	32,300	30,000	32,000
17	22,100	19,000	19,800	19,400	33,800	17,700	34,700	54,200	49,000	32,100	30,400	32,000
18	21,800	18,800	19,800	19,700	28,800	17,800	34,100	53,900	48,700	33,300	30,700	31,900
19	21,400	18,400	20,600	20,000	26,900	17,200	33,500	49,700	48,000	33,900	30,600	31,900
20	20,800	18,900	20,600	20,800	25,700	16,900	35,600	46,600	47,700	33,000	30,300	32,900
21	20,500	20,000	20,300	21,400	24,300	16,900	41,400	46,700	46,600	32,400	30,100	32,900
22	20,400	19,900	19,400	21,800	23,600	17,900	43,900	44,300	45,700	32,200	30,400	32,500
23	20,400	20,600	19,200	23,200	23,300	21,000	45,900	42,300	45,200	32,600	29,900	31,900
24	20,100	20,700	18,500	22,800	23,000	25,200	42,400	43,400	51,900	32,000	30,000	31,700
25	20,000	20,100	18,400	21,100	22,400	28,900	39,900	42,100	51,300	31,200	30,100	31,300
26	20,200	19,900	17,600	18,300	21,700	32,800	38,700	40,200	47,700	34,100	29,700	31,100
27	20,100	20,000	18,000	17,900	21,000	33,700	38,400	41,200	47,600	40,000	31,000	31,700
28	19,900	19,900	18,900	22,300	20,700	33,000	37,500	41,700	51,200	36,900	31,100	34,000
29	20,200	20,100	20,500	24,900	---	33,100	36,500	42,100	49,600	33,500	31,300	33,900
30	19,900	20,300	20,800	24,400	---	32,500	35,800	41,600	46,600	32,900	31,600	33,500
31	19,600	---	20,300	22,900	---	32,500	---	40,600	---	32,000	31,700	---
MEAN	25,670	19,650	20,150	20,520	25,490	22,090	36,050	44,380	50,820	35,430	31,060	31,510
MAX	36,000	20,700	21,900	24,900	42,800	33,700	45,900	78,600	68,300	45,700	36,300	34,000
MIN	19,600	18,400	17,600	17,700	19,100	16,900	32,000	32,900	43,500	31,200	29,700	30,000
IN.	0.07	0.05	0.06	0.06	0.06	0.06	0.10	0.12	0.14	0.10	0.09	0.08

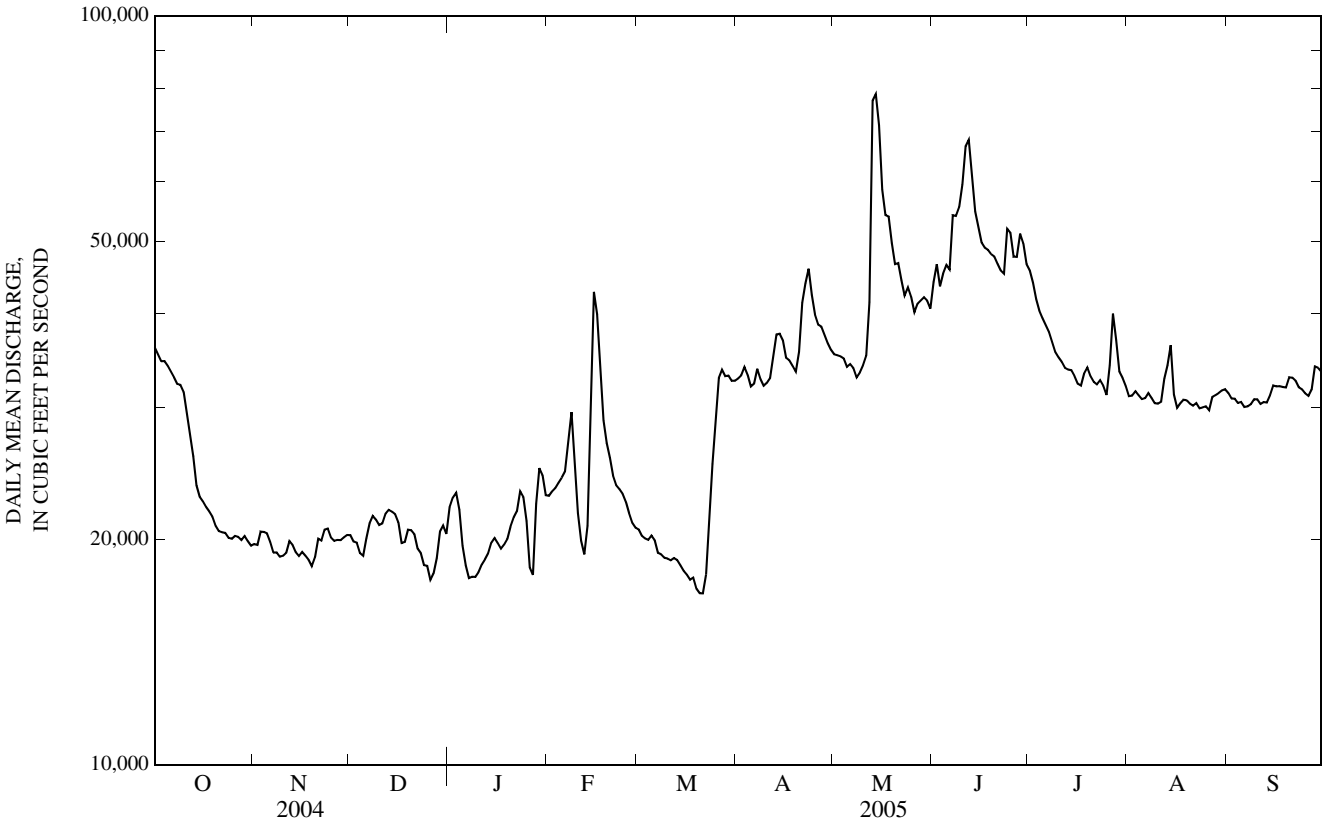
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2005[a], BY WATER YEAR (WY)

MEAN	44,040	40,370	26,950	22,710	28,290	40,370	50,410	51,600	56,230	50,120	44,140	44,360
MAX	80,050	83,880	57,380	42,280	53,140	79,590	106,100	97,280	130,600	164,800	78,730	76,410
(WY)	(1998)	(1998)	(1998)	(1973)	(1997)	(1979)	(1997)	(1997)	(1984)	(1993)	(1996)	(1997)
MIN	25,580	17,000	9,953	10,800	13,220	15,380	21,820	33,790	33,710	29,650	29,320	31,510
(WY)	(1962)	(1962)	(1956)	(1957)	(1957)	(1957)	(1957)	(1956)	(1956)	(2002)	(2003)	(2005)

06813500 MISSOURI RIVER AT RULO, NE—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1953 - 2005[a]	
ANNUAL MEAN	32,240		30,230		41,670	
HIGHEST ANNUAL MEAN					71,880	1997
LOWEST ANNUAL MEAN					26,340	1957
HIGHEST DAILY MEAN	98,000	May 25	78,600	May 14	289,000	Jul 24, 1993
LOWEST DAILY MEAN	16,100	Jan 9	16,900	Mar 20,21	4,420	Jan 13, 1957
ANNUAL SEVEN-DAY MINIMUM	17,400	Jan 6	17,500	Mar 16	5,560	Nov 30, 1955
MAXIMUM PEAK FLOW	---		85,900	May 13	307,000	Jul 24, 1993
MAXIMUM PEAK STAGE	---		17.19	May 13	25.37	Jul 24, 1993
ANNUAL RUNOFF (INCHES)	1.06		0.99		1.36	
10 PERCENT EXCEEDS	47,800		45,700		66,000	
50 PERCENT EXCEEDS	31,500		30,500		38,300	
90 PERCENT EXCEEDS	19,500		19,100		19,100	

[a] Post regulation period.



06815575 SQUAW CREEK NEAR MOUND CITY, MO

LOCATION.--Lat 40°09'22" long 95°15'55", in SE ¼ SW ¼ NE ¼ sec.26, T.62 N., R.39 W., Holt County, Hydrologic Unit 10240005, on right bank of downstream side of State Highway 59 bridge, 2.4 mi northwest of Mound City.

DRAINAGE AREA.--62.7 mi^2.

PERIOD OF RECORD.--October 2000 to current year.

GAGE.--Water-stage recorder. Datum of gage is unknown.

REMARKS.--Records fair except for estimated daily discharges, which are poor. U.S.G.S. satellite telemeter at station.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.6	5.1	5.1	4.3	15	e11	8.3	28	e205	39	32	12
2	4.3	e5.2	5.6	4.4	14	e11	8.1	27	e60	36	31	e11
3	4.6	e5.2	5.5	5.2	10	11	8.5	26	e40	35	31	e11
4	4.4	e8.5	5.3	6.0	5.5	10	8.7	25	e450	34	27	e10
5	4.1	e5.7	5.6	18	3.9	10	8.7	25	e125	32	25	e10
6	4.3	e5.7	6.6	12	11	10	18	27	e80	30	25	e9.5
7	4.4	e5.3	5.7	7.7	10	10	24	24	e60	28	24	9.2
8	4.8	e5.2	5.2	8.4	e8.0	9.7	14	22	e45	26	22	10
9	4.3	5.3	5.2	10	e6.5	9.9	12	22	e95	24	21	9.0
10	4.0	5.5	5.2	13	e6.0	9.3	11	21	e150	23	21	7.4
11	3.9	5.2	4.9	11	e5.8	9.0	28	21	402	21	19	6.7
12	4.2	5.1	4.8	11	e7.0	9.6	104	397	189	20	e70	6.8
13	4.1	5.2	e4.7	7.8	160	9.3	42	387	149	19	e650	6.4
14	4.0	5.3	e4.5	e4.0	44	9.1	32	120	e100	19	e135	6.4
15	4.0	5.5	e4.7	e2.8	27	9.1	27	81	e85	18	e50	6.4
16	4.0	5.7	e4.8	e2.5	20	9.8	24	64	79	17	e22	7.4
17	4.1	5.8	e5.0	e2.5	17	9.2	23	52	72	16	21	6.7
18	4.0	e6.0	5.1	e3.0	15	9.0	21	47	65	60	21	6.5
19	4.1	e7.0	e4.8	e4.0	15	8.7	21	43	60	22	18	6.5
20	4.2	e6.2	e4.8	e6.0	16	8.7	43	39	57	18	22	5.9
21	4.0	e5.7	e4.6	e8.5	14	8.7	225	36	54	17	18	5.4
22	4.5	e5.4	e4.3	e5.8	13	10	77	34	52	17	18	4.8
23	4.4	5.3	e3.8	e3.8	12	10	52	32	49	15	17	4.5
24	3.9	5.1	e3.3	e4.3	12	9.6	45	31	46	14	18	5.4
25	3.7	5.1	e3.5	e16	12	9.8	42	29	43	13	19	4.9
26	5.0	5.3	e4.3	e50	11	9.2	40	28	42	665	23	4.5
27	5.1	5.5	e5.8	27	11	9.0	36	26	39	79	19	4.4
28	4.6	5.1	e8.4	24	11	9.0	34	26	49	46	17	4.4
29	4.8	e5.0	e10	20	---	9.0	33	25	40	40	17	4.6
30	4.3	e5.0	9.2	23	---	9.1	30	24	38	38	16	4.6
31	4.1	---	5.4	18	---	8.9	---	36	---	35	14	---
MEAN	4.28	5.54	5.35	11.1	18.3	9.54	36.7	58.9	101	48.9	47.8	7.08
MAX	5.1	8.5	10	50	160	11	225	397	450	665	650	12
MIN	3.7	5.0	3.3	2.5	3.9	8.7	8.1	21	38	13	14	4.4
IN.	0.08	0.10	0.10	0.20	0.30	0.18	0.65	1.08	1.79	0.90	0.88	0.13

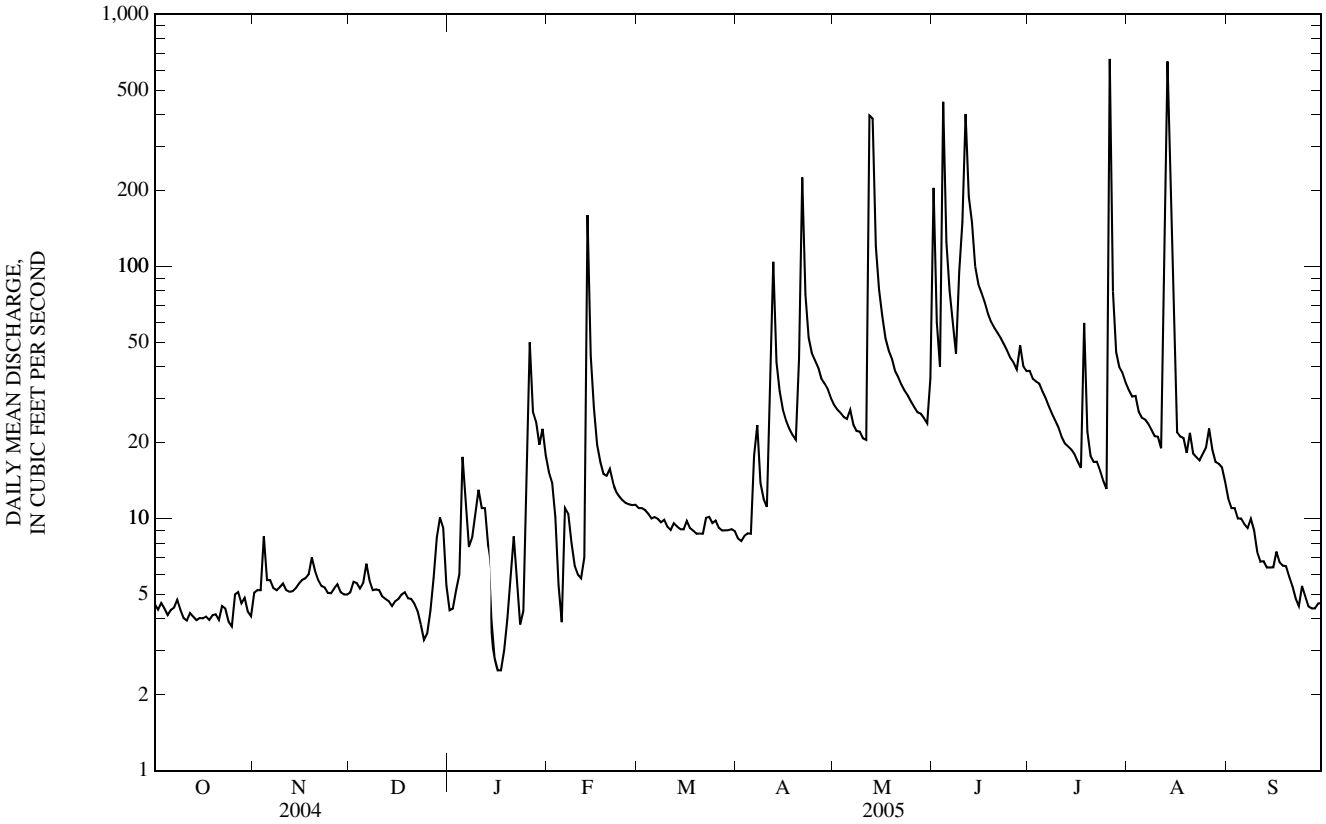
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2005, BY WATER YEAR (WY)

MEAN	6.26	6.87	5.85	7.25	25.2	20.2	19.9	37.3	58.9	33.1	16.8	7.92
MAX	20.0	15.1	12.0	11.1	81.4	62.0	37.7	58.9	119	60.7	47.8	23.1
(WY)	(2002)	(2002)	(2002)	(2005)	(2001)	(2001)	(2001)	(2005)	(2001)	(2004)	(2005)	(2001)
MIN	0.93	3.87	2.68	0.67	5.17	4.00	4.22	6.44	13.6	6.72	1.53	1.33
(WY)	(2004)	(2003)	(2001)	(2004)	(2004)	(2003)	(2003)	(2003)	(2002)	(2003)	(2003)	(2003)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2001 - 2005	
ANNUAL MEAN	17.6		29.5		20.4	
HIGHEST ANNUAL MEAN					36.0	2001
LOWEST ANNUAL MEAN					6.43	2003
HIGHEST DAILY MEAN	624	Jul 16	665	Jul 26	781	Feb 24, 2001
LOWEST DAILY MEAN	0.00	Jan 29-Feb 9,13-16	e2.5	Jan 16,17	0.00	Jan 29-Feb 9,13-16, 2004
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 29	3.5	Jan 14	0.00	Jan 29, 2004
MAXIMUM PEAK FLOW	---		2,000	Jul 26	2,630	Jun 14, 2001
MAXIMUM PEAK STAGE	---		18.26	Jul 26	20.06	Jun 14, 2001
INSTANTANEOUS LOW FLOW	---		---[a]		0.00	Jan 29-Feb 9,13-16, 2004
ANNUAL RUNOFF (INCHES)	3.82		6.39		4.42	
10 PERCENT EXCEEDS	30		52		40	
50 PERCENT EXCEEDS	6.7		11		8.6	
90 PERCENT EXCEEDS	0.77		4.4		2.0	

e Estimated
[a] Minimum not determined, may have occurred during period of ice effected record, Jan. 14-26.

06815575 SQUAW CREEK NEAR MOUND CITY, MO—Continued



06817700 NODAWAY RIVER NEAR GRAHAM, MO

LOCATION.--Lat 40°12'09", long 95°04'10", in NE ¼ NE ¼ NE ¼ sec.9, T.62 N., R.37 W., Holt County, Hydrologic Unit 10240010, at right downstream end of bridge on Highway A, 0.15 mi east of Maitland, and 1.5 mi west of Graham.

DRAINAGE AREA.--1,380 mi^2, approximately.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WDR MO-94-1: 1993 peak, September monthly and yearly mean discharge.

GAGE.--Water-stage recorder. Datum of gage is 852.09 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Water-discharge records poor. U.S. Army Corps of Engineers 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	111	93	108	110	e165	360	204	485	e1,010	e440	232	74
2	108	110	103	98	e170	333	195	448	975	e375	207	70
3	105	108	102	124	e170	318	183	422	1,040	e335	192	69
4	101	130	106	e95	e185	338	175	397	1,450	e310	178	67
5	101	154	109	e75	e195	334	169	381	1,300	e285	169	63
6	96	126	122	e70	e275	306	200	365	844	e270	163	60
7	91	110	138	e85	e410	303	413	354	751	e245	165	56
8	94	102	135	e90	e360	293	488	335	659	e225	145	56
9	e97	96	141	e95	e135	275	349	322	640	e210	134	53
10	e96	92	137	e105	e180	269	284	302	1,110	e190	123	51
11	e91	91	127	e100	e240	254	492	290	2,040	e180	118	51
12	e96	97	121	e100	e310	247	1,710	2,720	1,770	e175	129	48
13	e89	100	109	e90	e2,500	247	1,330	e16,900	1,440	173	1,170	48
14	84	101	e80	e80	e4,260	237	838	e10,000	1,110	166	2,220	48
15	85	105	e75	e70	2,870	228	639	e4,390	893	161	448	46
16	85	106	e77	e67	1,490	221	542	e2,370	744	157	244	46
17	83	105	e77	e75	1,020	220	498	e1,680	653	148	179	49
18	83	106	e83	e95	883	222	486	e1,380	588	634	157	48
19	84	122	e72	e100	793	221	460	e1,290	532	896	141	47
20	84	138	e68	e110	732	211	704	e1,140	492	325	132	47
21	86	130	e68	e95	689	205	1,610	e1,020	e435	268	130	46
22	95	125	e65	e90	643	206	1,150	e892	e425	300	116	44
23	101	127	e60	e85	552	210	1,300	e845	e410	197	104	45
24	94	114	e50	e90	475	218	1,040	e795	e395	195	99	44
25	89	107	e55	e110	444	223	843	e751	e380	160	92	45
26	92	108	72	e115	427	243	738	e715	e365	2,080	93	46
27	119	112	77	e125	411	257	712	e678	e350	2,910	94	44
28	109	113	78	e135	400	246	650	e668	e860	888	96	44
29	106	112	80	e140	---	221	585	e647	e450	410	103	46
30	103	113	92	e150	---	209	524	e649	e590	311	92	49
31	96	---	122	e150	---	213	---	e604	---	264	83	---
MEAN	95.3	112	93.8	101	764	254	650	1,750	823	448	250	51.7
MAX	119	154	141	150	4,260	360	1,710	16,900	2,040	2,910	2,220	74
MIN	83	91	50	67	135	205	169	290	350	148	83	44
IN.	0.08	0.09	0.08	0.08	0.58	0.21	0.53	1.46	0.67	0.37	0.21	0.04

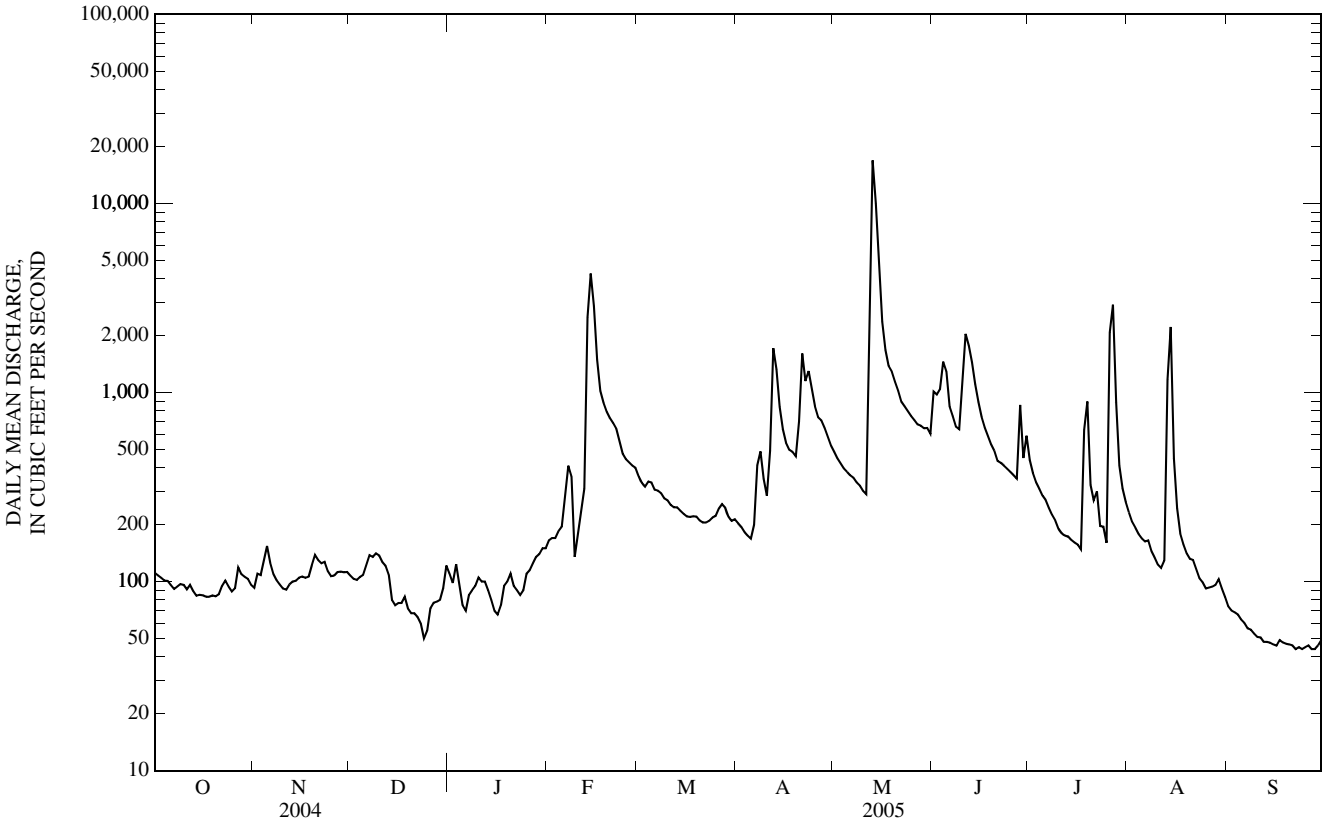
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2005, BY WATER YEAR (WY)

MEAN	351	423	437	306	706	999	1,342	1,968	1,632	1,394	515	582
MAX	2,313	1,735	2,026	1,199	1,839	3,155	3,614	4,606	4,936	12,460	2,758	3,364
(WY)	(1987)	(1993)	(1993)	(1983)	(1983)	(1998)	(1984)	(1995)	(1984)	(1993)	(1987)	(1993)
MIN	32.2	53.8	42.9	37.8	82.2	127	58.8	48.6	68.5	75.1	46.2	34.7
(WY)	(2004)	(2003)	(2003)	(2003)	(1989)	(2003)	(1989)	(1989)	(1988)	(1988)	(1988)	(2003)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1983 - 2005	
ANNUAL MEAN	760		447		871	
HIGHEST ANNUAL MEAN					2,870	1993
LOWEST ANNUAL MEAN					186	2000
HIGHEST DAILY MEAN	20,800	May 30	16,900	May 13	52,000	Jul 23, 1993
LOWEST DAILY MEAN	40	Jan 30	44	Sep 22,24,27,28	22	Jan 19, 2003
ANNUAL SEVEN-DAY MINIMUM	43	Jan 28	45	Sep 22	26	Sep 4, 2003
MAXIMUM PEAK FLOW	---		22,400	May 13	78,300	Jul 23, 1993
MAXIMUM PEAK STAGE	---		16.79	May 13	26.16	Jul 23, 1993
INSTANTANEOUS LOW FLOW	---		40	Sep 21,22,27,28	20	Sep 7, 2002
ANNUAL RUNOFF (INCHES)	7.50		4.40		8.58	
10 PERCENT EXCEEDS	1,640		894		2,030	
50 PERCENT EXCEEDS	350		169		319	
90 PERCENT EXCEEDS	55		70		60	

e Estimated

06817700 NODAWAY RIVER NEAR GRAHAM, MO—Continued



06817700 NODAWAY RIVER NEAR GRAHAM, MO—Continued
(Ambient Water-Quality Monitoring Network)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1989 to October 1989, November 1992 to current year.

REMARKS.--This site replaced Nodaway River near Oregon (06817800).

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

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf µS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as $CaCO_3$ (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV												
02...	1225	Environmental	118	11.2	101	8.5	420	10.5	210	59.9	15.7	4.28
JAN												
10...	1330	Environmental	131	12.6	87	7.1	494	.5	--	--	--	--
MAR												
25...	1230	Environmental	216	12.9	106	8.2	409	6.0	--	--	--	--
MAY												
05...	1215	Environmental	375	9.7	97	8.4	446	16.0	210	59.8	15.7	2.41
05...	1216	Blank	--	--	--	--	--	--	--	<.02	<.008	<.16
JUL												
20...	1320	Environmental	273	6.6	90	8.0	288	29.5	--	--	--	--
SEP												
29...	1230	Environmental	42	10.5	102	8.4	451	14.0	--	--	--	--

Date	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, field, mg/L as $CaCO_3$ (00410)	ANC, wat unf incrm. titr., field, mg/L as $CaCO_3$ (00419)	Bicarbonate, wat unf incrm. titr., field, mg/L (00450)	Carbonate, wat unf incrm. titr., field, mg/L (00447)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
NOV													
02...	11.1	178	178	204	7	11.3	.3	31.8	266	17	.60	<.04	.14
JAN													
10...	--	--	--	--	--	--	--	--	--	<10	.45	.14	2.61
MAR													
25...	--	--	--	--	--	--	--	--	--	16	.42	<.04	2.10
MAY													
05...	10.9	156	158	185	4	11.5	.3	28.8	269	75	.60	<.04	5.63d
05...	<.20	--	--	--	--	<.20	<.1	.7	<10	<10	<.10	<.04	<.06
JUL													
20...	--	--	--	--	--	--	--	--	--	141	1.5	<.04	1.35
SEP													
29...	--	--	--	--	--	--	--	--	--	10	.39	<.04	<.06

Date	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coliform, M-FC 0.7µ MF col/ 100 mL (31625)	Aluminum, water, fltrd, µg/L (01106)	Aluminum, water, unfltrd recoverable, µg/L (01105)	Arsenic water, fltrd, µg/L (01000)	Cadmium water, fltrd, µg/L (01025)	Cadmium water, unfltrd µg/L (01027)	Copper, water, fltrd, µg/L (01040)	Iron, water, fltrd, µg/L (01046)
NOV													
02...	E.004n	.04d	.06	.13	110f	80	2	246	2.0	E.02n	.06	9.5	7
JAN													
10...	.017	.06	.07	.10	76k	96	--	--	--	--	--	--	--
MAR													
25...	.009	.05	.04	.11	20k	10k	--	--	--	--	--	--	--
MAY													
05...	.009	.12	.12	.23	40k	126k	2	974	2.2	<.04	.05	1.1	<6
05...	<.008	<.02	<.04	<.04	--	--	<2	<2	<.2	<.04	<.04	<.4	<6
JUL													
20...	.034	.14	.17	.51	670k	1,900k	--	--	--	--	--	--	--
SEP													
29...	<.008	.05	.06	.10	74	97	--	--	--	--	--	--	--

06817700 NODAWAY RIVER NEAR GRAHAM, MO—Continued

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

Date	Lead, water, fltrd, µg/L (01049)	Lead, water, unfltrd recover -able, µg/L (01051)	Mangan- ese, water, fltrd, µg/L (01056)	Mercury water, unfltrd recover -able, µg/L (71900)	Selen- ium, water, fltrd, µg/L (01145)	Zinc, water, fltrd, µg/L (01090)	Zinc, water, unfltrd recover -able, µg/L (01092)
NOV							
02...	.41	.50	44.5	<.01	.7	8.0	2
JAN							
10...	--	--	--	--	--	--	--
MAR							
25...	--	--	--	--	--	--	--
MAY							
05...	<.08	1.59	15.0	<.01	1.9	E.3n	7
05...	<.08	.07	<.6	<.01	<.4	<.6	<2
JUL							
20...	--	--	--	--	--	--	--
SEP							
29...	--	--	--	--	--	--	--

Remark codes used in this table:
< -- Less than.
E -- Estimated.

Value qualifier codes used in this table:
d -- Diluted sample: method hi range exceeded
f -- Sample field preparation problem
k -- Counts outside acceptable range
n -- Below the LRL and above the LT-MDL

06818000 MISSOURI RIVER AT ST. JOSEPH, MO

LOCATION.--Lat 39°45'12", long 94°51'25", in NW $^1/_4$ SW $^1/_4$ sec.17, T.57 N., R.35 W., Buchanan County, Hydrologic Unit 10240011, on left bank at left abutment of St. Joseph and Grand Island Railroad Bridge in St. Joseph, and at mile 448.2.

DRAINAGE AREA.--420,100 mi^2. The 3,959 mi^2 in Great Divide basin are not included.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1928 to current year. Gage-height records collected in vicinity 1873-99 are contained in reports of the Missouri River Commission; since 1900 in reports of the National Weather Service.

REVISED RECORDS.--WDR MO-76-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 788.19 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 21, 1931 nonrecording gage and from Oct. 21, 1931, to Dec. 31, 1933, water-stage recorder, both at same site at datum 5.50 ft higher.

REMARKS.--Water-discharge records good except for estimated daily discharges, which are fair. Some regulation from many upstream reservoirs. National Weather Service gage-height and U.S. Army Corps of Engineers satellite telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 397,000 ft^3/s, Apr. 22, 1952; maximum gage-height, 32.07 ft; July 26, 1993; minimum discharge, 2,300 ft^3/s, Jan. 9, 1937.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 29, 1881, reached a stage of 27.2 ft, present datum, discharge, about 370,000 ft^3/s, computed by the U.S. Army Corps of Engineers. Flood of June 1844 reached a stage of 24.5 ft, discharge, about 350,000 ft^3/s, computed by the 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	37,700	20,300	20,400	20,800	21,300	21,100	32,300	36,100	43,900	47,900	32,100	31,900
2	36,800	20,100	20,200	22,300	21,400	20,800	32,400	35,500	49,300	46,100	31,500	31,400
3	36,000	20,300	19,900	22,900	21,800	20,500	32,900	35,500	44,700	44,000	31,500	31,100
4	35,700	21,100	19,800	22,700	22,100	20,400	33,700	35,400	48,000	41,900	31,700	30,900
5	35,900	21,000	19,300	21,100	22,600	20,400	31,100	35,000	56,500	40,900	31,300	30,600
6	35,000	20,800	19,500	19,000	23,200	20,500	31,300	34,500	48,600	39,800	30,900	30,600
7	34,700	20,300	20,500	18,200	24,300	20,000	34,900	35,100	52,000	39,000	31,100	30,200
8	33,900	19,900	21,200	17,400	27,700	19,400	35,000	33,900	55,700	38,000	31,200	30,300
9	33,400	19,800	21,600	17,500	27,000	19,300	32,500	33,700	55,700	36,600	30,500	30,600
10	33,300	19,600	21,300	17,600	22,900	19,200	32,500	34,400	57,700	35,700	30,300	30,900
11	32,000	19,700	21,000	17,800	20,400	19,000	34,000	35,500	67,000	35,200	30,400	30,700
12	30,200	19,900	21,100	18,300	19,500	18,800	36,400	39,000	75,900	34,800	32,100	30,500
13	28,300	20,200	21,600	18,500	21,700	18,900	40,600	80,000	69,500	34,200	33,600	30,700
14	26,300	19,800	21,700	19,000	28,900	18,700	40,200	87,300	61,700	34,100	44,000	30,700
15	24,500	19,500	21,400	e19,600	40,600	18,500	39,500	74,600	58,600	33,700	36,900	31,700
16	23,900	19,400	21,400	e19,800	44,700	18,100	37,500	63,600	55,000	33,000	33,200	32,100
17	23,400	19,500	20,600	19,000	38,500	18,000	36,200	56,800	53,000	32,300	32,200	31,900
18	22,900	19,400	19,700	18,700	32,200	17,900	35,600	55,400	52,100	33,600	32,700	31,800
19	22,600	19,300	19,900	18,900	28,900	17,900	34,400	52,800	51,200	35,000	39,700	31,800
20	22,000	19,000	20,300	19,600	27,500	17,500	34,200	48,600	50,200	34,100	33,700	32,200
21	21,500	19,900	20,400	20,400	26,200	17,400	41,700	48,200	49,000	33,000	32,200	33,000
22	21,200	20,500	19,900	21,100	25,100	17,700	46,500	47,400	47,700	32,500	31,800	32,900
23	21,200	20,600	19,500	21,700	24,500	19,100	49,500	43,900	46,800	32,500	31,400	32,600
24	21,000	21,200	19,100	e22,600	24,100	22,300	46,400	43,800	48,800	32,600	30,900	32,100
25	20,800	20,900	18,700	21,300	23,500	26,500	42,700	44,400	55,400	31,700	31,000	32,000
26	21,000	20,500	18,500	19,400	22,800	30,200	40,400	41,500	49,700	32,200	31,300	31,700
27	20,900	20,400	18,200	17,200	22,000	33,400	39,800	41,200	48,600	44,400	30,900	31,600
28	20,700	20,200	18,600	17,800	21,500	32,600	38,900	42,300	50,800	40,800	31,800	33,000
29	20,500	20,300	19,400	21,300	---	32,300	37,700	42,100	53,300	36,200	31,700	34,700
30	20,600	20,400	20,800	23,000	---	32,100	36,600	42,400	49,400	33,800	31,900	34,000
31	20,300	---	20,800	22,400	---	31,800	---	41,300	---	33,300	31,900	---
MEAN	27,040	20,130	20,200	19,900	25,960	21,950	37,250	45,850	53,530	36,550	32,500	31,670
MAX	37,700	21,200	21,700	23,000	44,700	33,400	49,500	87,300	75,900	47,900	44,000	34,700
MIN	20,300	19,000	18,200	17,200	19,500	17,400	31,100	33,700	43,900	31,700	30,300	30,200
IN.	0.07	0.05	0.06	0.05	0.06	0.06	0.10	0.13	0.14	0.10	0.09	0.08

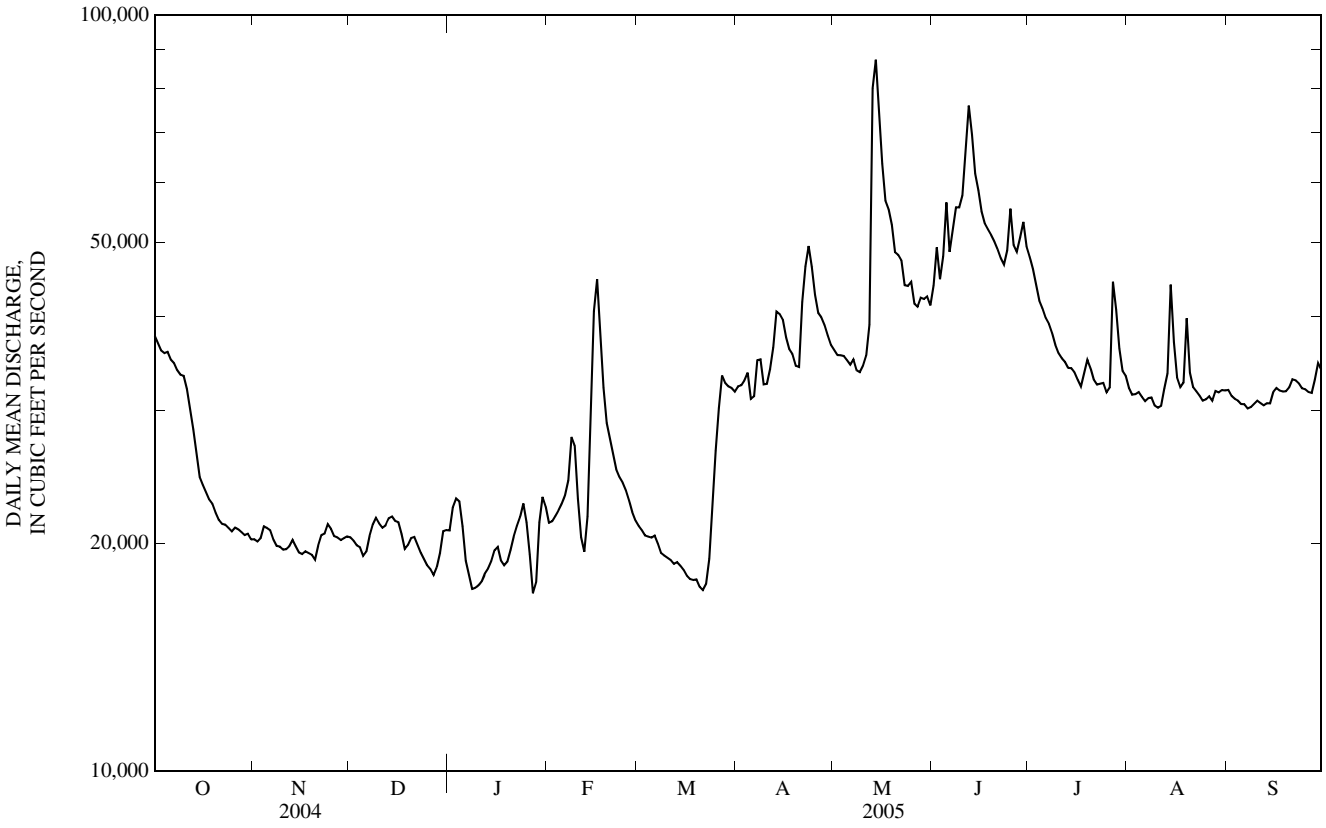
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2005[a], BY WATER YEAR (WY)

MEAN	47,320	44,310	30,320	25,300	31,700	44,800	55,610	57,850	61,360	55,780	47,600	48,150
MAX	87,650	85,040	61,820	45,740	60,570	96,800	113,600	106,600	144,700	195,400	83,050	79,160
(WY)	(1987)	(1998)	(1987)	(1973)	(1983)	(1979)	(1984)	(1997)	(1984)	(1993)	(1996)	(1997)
MIN	27,040	18,510	11,560	12,210	15,790	19,490	32,920	36,390	35,620	31,450	30,900	31,670
(WY)	(2005)	(1991)	(1964)	(1959)	(1964)	(1964)	(1990)	(1958)	(1958)	(2002)	(2003)	(2005)

06818000 MISSOURI RIVER AT ST. JOSEPH, MO—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1958 - 2005[a]	
ANNUAL MEAN	33,160		31,030		45,880	
HIGHEST ANNUAL MEAN					76,050	1997
LOWEST ANNUAL MEAN					30,960	1963
HIGHEST DAILY MEAN	104,000	May 31	87,300	May 14	328,000	Jul 26, 1993
LOWEST DAILY MEAN	16,300	Jan 10	17,200	Jan 27	4,000	Jan 17, 1963
ANNUAL SEVEN-DAY MINIMUM	17,500	Jan 7	17,800	Mar 16	5,030	Dec 15, 1963
MAXIMUM PEAK FLOW	---		96,700	May 13	335,000	Jul 26, 1993
MAXIMUM PEAK STAGE	---		18.02	May 13	32.07	Jul 26, 1993
INSTANTANEOUS LOW FLOW	---		16,700	Jan 27,28	4,000	Jan 17, 1963
ANNUAL RUNOFF (INCHES)	1.07		1.00		1.48	
10 PERCENT EXCEEDS	49,600		47,900		71,900	
50 PERCENT EXCEEDS	31,900		31,100		41,200	
90 PERCENT EXCEEDS	19,900		19,300		21,300	

e Estimated
[a] Post-regulation period.



06818000 MISSOURI RIVER AT ST. JOSEPH, MO—Continued
(Ambient Water-Quality Monitoring Network)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1969 to July 1992, November 1992 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: May 1984 to December 1984, July 1985 to September 1985, April 1986 to September 1986.
DISSOLVED OXYGEN: May 1984 to November 1984, July 1985 to September 1985, April 1986 to September 1986.

INSTRUMENTATION.--Water-quality monitor, May 1984 to December 1984, July 1985 to September 1985, April 1986 to September 1986.

REMARKS.--National Stream-Quality Accounting Network station October 1974 to September 1986. Ambient Water-Quality Monitoring Network station October 1969 to July 1992, November 1992 to current year.

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

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf µS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as $CaCO_3$ (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT												
29...	1110	Environmental	20,200	8.8	91	8.4	733	17.5	--	--	--	--
NOV												
05...	1110	Environmental	21,000	10.5	97	8.5	772	11.5	290	74.8	25.8	6.12
DEC												
21...	1115	Environmental	20,800	13.4	100	8.5	733	1.7	--	--	--	--
JAN												
13...	1115	Environmental	18,600	13.9	96	8.4	809	.5	300	75.5	26.5	5.70
FEB												
11...	1250	Environmental	20,300	13.6	100	8.4	662	1.5	--	--	--	--
11...	1251	Replicate	--	--	--	--	--	--	--	--	--	--
MAR												
23...	1030	Environmental	19,200	12.0	104	8.6	699	7.5	--	--	--	--
APR												
20...	1045	Environmental	34,100	8.2	88	8.3	721	18.5	--	--	--	--
MAY												
04...	1125	Environmental	36,200	10.6	101	8.5	723	13.0	300	75.4	26.5	5.88
JUN												
23...	1055	Environmental	45,800	6.6	87	8.2	729	27.5	--	--	--	--
JUL												
19...	0920	Environmental	35,700	5.6	76	8.1	739	29.0	260	65.7	24.0	6.13
AUG												
10...	1115	Environmental	30,200	6.8	92	8.4	719	29.0	--	--	--	--
SEP												
28...	1255	Environmental	--	8.4	96	8.4	759	21.5	--	--	--	--

06818000 MISSOURI RIVER AT ST. JOSEPH, MO—Continued

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

Date	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, field, mg/L as $CaCO_3$ (00410)	ANC, wat unf incrm. titr., field, mg/L as $CaCO_3$ (00419)	Bicar-bonate, wat unf incrm. titr., field, mg/L (00450)	Carbon-ate, wat unf incrm. titr., field, mg/L (00447)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus-pended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
29...	--	--	--	--	--	--	--	--	--	71	.55	E.02n	1.65
NOV													
05...	58.1	206	206	242	5	34.6	.5	136	503	85	.71	<.04	1.64
DEC													
21...	--	--	--	--	--	--	--	--	--	50	.57	.09	1.78
JAN													
13...	68.0	193	195	236	1	29.7	.6	163	513	32	.48	.15	1.61
FEB													
11...	--	--	--	--	--	--	--	--	--	107	.62	.09	1.53
11...	--	--	--	--	--	--	--	--	--	86	.64	.09	1.53
MAR													
23...	--	--	--	--	--	--	--	--	--	81	.76	<.04	1.71
APR													
20...	--	--	--	--	--	--	--	--	--	200	1.2	E.03n	2.56
MAY													
04...	45.8	196	194	231	3	20.7	.5	137	462	150	.93	<.04	2.62
JUN													
23...	--	--	--	--	--	--	--	--	--	246d	1.3	<.04	2.70
JUL													
19...	55.0	180	182	202	<1	20.4	.5	158	458	257d	1.2	<.04	1.40
AUG													
10...	--	--	--	--	--	--	--	--	--	113	.90	<.04	.40
SEP													
28...	--	--	--	--	--	--	--	--	--	104	.64	E.03n	E.05n

Date	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coli-form, M-FC 0.7µ MF col/ 100 mL (31625)	Alum-inum, water, fltrd, µg/L (01106)	Alum-inum, water, unfltrd recover -able, µg/L (01105)	Arsenic water, fltrd, µg/L (01000)	Cadmium water, fltrd, µg/L (01025)	Cadmium water, unfltrd µg/L (01027)	Copper, water, fltrd, µg/L (01040)	Iron, water, fltrd, µg/L (01046)
OCT													
29...	.010	.06	.06	.17	420f	580	--	--	--	--	--	--	--
NOV													
05...	E.006n	.07d	.08	.22	370k	410	E1n	1,300d	3.2	.28	.11	1.7	<6
DEC													
21...	E.004n	.07	.09	.18	180	430k	--	--	--	--	--	--	--
JAN													
13...	.008	.05	.07	.12	74	230	2	142	2.4	E.03n	.05	2.3	<6
FEB													
11...	.009	.09	.09	.46	--r	750k	--	--	--	--	--	--	--
11...	.010	.08	.09	.66	--	--	--	--	--	--	--	--	--
MAR													
23...	E.004n	.08	.08	.25	<10b	27k	--	--	--	--	--	--	--
APR													
20...	.011	.09	.09	.38	1,100k	1,200	--	--	--	--	--	--	--
MAY													
04...	E.004n	.08	.09	.30	70k	230	2	2,120	3.4	E.03n	.17	1.7	<6
JUN													
23...	.010	.12	.12	.66	100	120	--	--	--	--	--	--	--
JUL													
19...	.008	.07	.09	.45	560	280	8	3,020d	4.3	E.03n	.23	2.6	<6
AUG													
10...	E.005n	.06	.08	.39	10k	14k	--	--	--	--	--	--	--
SEP													
28...	.020	<.02	.04	.23	15k	26k	--	--	--	--	--	--	--

06818000 MISSOURI RIVER AT ST. JOSEPH, MO—Continued

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

Date	Lead, water, fltrd, µg/L (01049)	Lead, water, unfltrd recover -able, µg/L (01051)	Mangan- ese, water, fltrd, µg/L (01056)	Mercury water, unfltrd recover -able, µg/L (71900)	Selen- ium, water, fltrd, µg/L (01145)	Zinc, water, fltrd, µg/L (01090)	Zinc, water, unfltrd recover -able, µg/L (01092)
OCT							
29...	--	--	--	--	--	--	--
NOV							
05...	<.08	2.28	1.5	<.01	2.5	1.3	10
DEC							
21...	--	--	--	--	--	--	--
JAN							
13...	<.08	.33	7.6	<.01	3.1	2.4	3
FEB							
11...	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--
MAR							
23...	--	--	--	--	--	--	--
APR							
20...	--	--	--	--	--	--	--
MAY							
04...	<.08	3.44	E.6n	<.01	3.2	.7	17
JUN							
23...	--	--	--	--	--	--	--
JUL							
19...	<.08	5.04	<.6	E.01n	2.9	1.7	21
AUG							
10...	--	--	--	--	--	--	--
SEP							
28...	--	--	--	--	--	--	--

Remark codes used in this table:
< -- Less than.
E -- Estimated.

Value qualifier codes used in this table:
b -- Value extrapolated at low end
d -- Diluted sample: method hi range exceeded
f -- Sample field preparation problem
k -- Counts outside acceptable range
n -- Below the LRL and above the LT-MDL

Null value qualifier codes used in this table:
r -- Sample ruined in preparation

06819500 ONE HUNDRED AND TWO RIVER AT MARYVILLE, MO

LOCATION.--Lat 40°20'44", long 94°49'56", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.15, T.64 N., R.35 W., Nodaway County, Hydrologic Unit 10240013, on right bank 150 ft upstream from bridge on U.S. Highway 136, 0.3 mi downstream from Thill Branch, 1 mi east of Maryville, and at mile 64.0.

DRAINAGE AREA.--515 mi^2.

PERIOD OF RECORD.--October 1932 to September 1990, March 22, 2001 to current year. April to June 1934 monthly discharge only published in WSP 1310. June 1934 to September 1971 published as "near Maryville".

GAGE.--Water-stage recorder. Datum of gage is 954.65 ft above National Geodetic Vertical Datum of 1929. Nonrecording gage prior to Sept. 15, 1958. Prior to June 20, 1934, at site 20 ft upstream and datum 10 ft higher. June 20, 1934 to July 19, 1971, at site 3 mi upstream at datum 15.68 ft higher. July 20, 1971 to September 1990, at site 20 ft upstream and datum 10 ft higher.

REMARKS.--Records good except for estimated daily discharges and discharges above 5,000 ft^3/s which are poor. Some regulation at low flow by City Waterworks. U.S.G.S. satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of September 16, 1926 reached a stage of 25 ft, present datum from floodmark; discharge, 14,500 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	20	28	42	59	109	133	89	143	166	83	41	25
2	20	34	42	53	90	130	75	131	160	73	34	22
3	19	106	42	50	79	137	71	126	166	62	30	20
4	18	84	43	28	122	129	73	121	245	58	26	19
5	17	93	45	14	191	124	73	116	238	55	23	17
6	17	70	54	25	229	116	89	110	172	53	21	17
7	18	54	75	37	623	122	1,280	105	134	49	20	16
8	18	47	75	33	226	131	518	101	118	45	19	16
9	18	40	60	32	133	113	272	96	397	43	18	16
10	18	32	58	31	165	109	210	89	400	40	17	15
11	15	33	56	31	148	105	3,670	166	431	38	16	14
12	18	35	52	32	169	104	2,470	2,670	311	36	32	14
13	16	36	41	31	6,290	101	986	8,400	1,860	33	3,250	15
14	14	33	30	27	2,630	94	603	1,760	488	31	903	16
15	15	31	33	23	1,230	90	451	923	220	28	168	15
16	15	34	44	19	721	91	370	583	168	27	91	14
17	15	36	37	17	521	93	329	439	145	25	63	13
18	14	39	48	16	420	93	293	347	130	96	50	13
19	14	48	33	16	358	89	269	296	115	119	41	13
20	15	120	31	20	342	85	291	251	105	66	39	13
21	15	98	34	22	341	80	657	214	97	369	34	12
22	18	74	29	45	287	82	499	203	91	219	30	12
23	18	65	23	25	253	90	473	219	86	78	27	11
24	19	60	18	29	233	94	295	174	80	54	27	12
25	17	55	17	33	214	98	248	157	75	41	26	12
26	23	52	19	255	194	122	241	147	71	3,280	27	11
27	28	53	20	338	177	109	215	142	67	1,610	168	11
28	27	54	24	109	164	100	183	134	105	235	82	12
29	27	53	29	101	---	97	171	129	90	106	43	14
30	22	48	48	86	---	99	157	e140	85	68	37	13
31	18	---	58	117	---	95	---	e138	---	51	30	---
MEAN	18.3	54.8	40.6	56.6	595	105	521	605	234	231	175	14.8
MAX	28	120	75	338	6,290	137	3,670	8,400	1,860	3,280	3,250	25
MIN	14	28	17	14	79	80	71	89	67	25	16	11
IN.	0.04	0.12	0.09	0.13	1.20	0.24	1.13	1.36	0.51	0.52	0.39	0.03

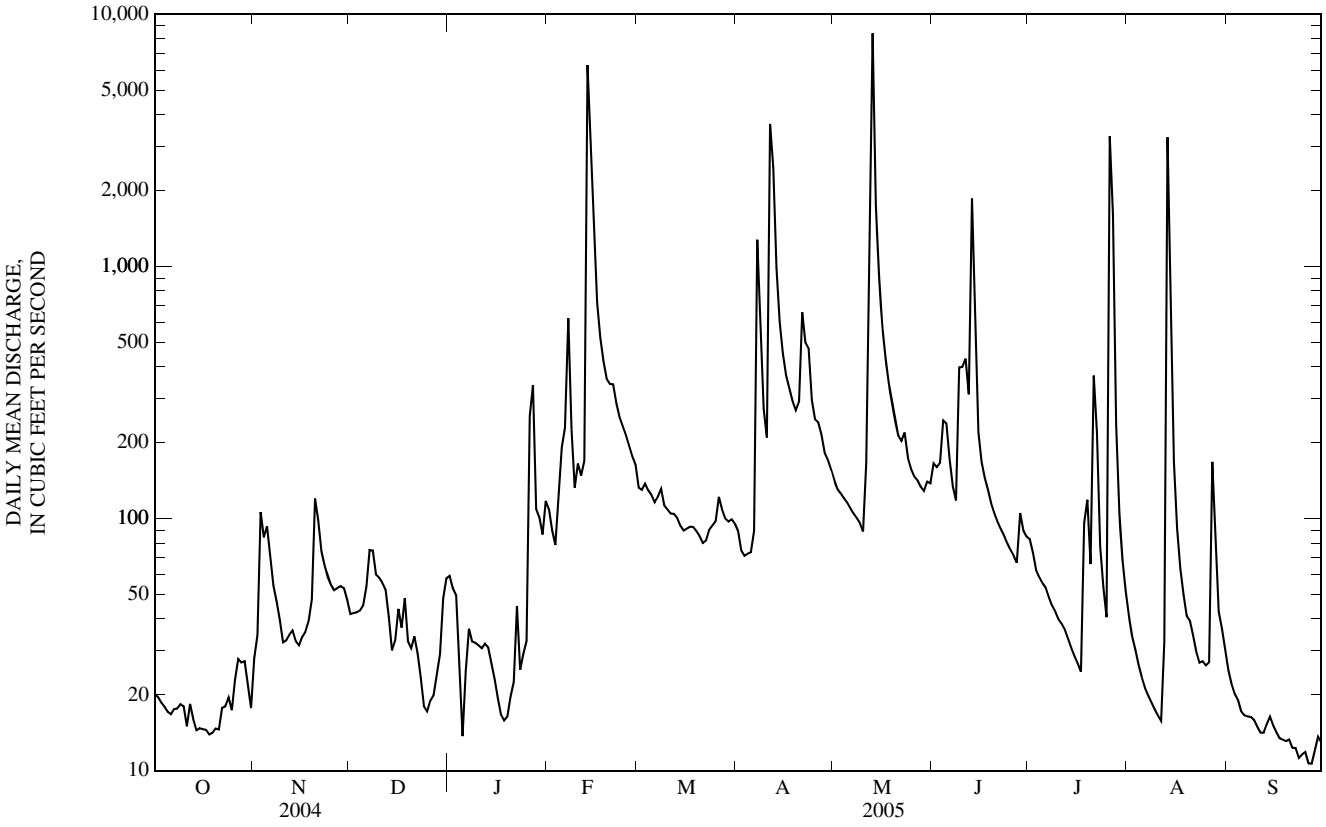
STATISTICS OF MONTHLY MEAN DATA FOR PERIOD OF RECORD, BY WATER YEAR (WY)

MEAN	140	112	78.2	96.9	231	405	330	436	472	219	136	158
MAX	1,897	945	818	1,186	1,240	1,874	1,655	2,242	3,187	1,452	992	1,312
(WY)	(1974)	(1942)	(1983)	(1960)	(1973)	(1979)	(1984)	(1982)	(1947)	(1986)	(1982)	(1977)
MIN	0.05	0.59	1.12	0.11	2.09	3.42	0.74	0.11	5.18	0.50	0.18	0.03
(WY)	(1989)	(1989)	(1989)	(1977)	(1989)	(1954)	(1956)	(1989)	(1988)	(1989)	(1988)	(1988)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		FOR PERIOD OF RECORD	
ANNUAL MEAN	397		218		233	
HIGHEST ANNUAL MEAN					658	1982
LOWEST ANNUAL MEAN					18.6	1934
HIGHEST DAILY MEAN	12,900	May 30	8,400	May 13	25,500	Oct 12, 1973
LOWEST DAILY MEAN	4.5	Jan 6	11	Sep 23,26,27	0.00	Several Years
ANNUAL SEVEN-DAY MINIMUM	5.2	Jan 4	12	Sep 21	0.00	1977, 1988
MAXIMUM PEAK FLOW	---		11,500	May 13	28,000	Oct 12, 1973
MAXIMUM PEAK STAGE	---		19.28	May 13	22.00	May 30, 2004
INSTANTANEOUS LOW FLOW	---		10	Sep 26,27	0.00	Several Years
ANNUAL RUNOFF (INCHES)	10.49		5.75		6.16	
10 PERCENT EXCEEDS	1,050		344		460	
50 PERCENT EXCEEDS	75		67		30	
90 PERCENT EXCEEDS	8.5		16		2.7	

e Estimated

06819500 ONE HUNDRED AND TWO RIVER AT MARYVILLE, MO—Continued



06820500 PLATTE RIVER NEAR AGENCY, MO

LOCATION.--Lat 39°41'17", long 94°42'09", in NE $^1/_4$ NW $^1/_4$ sec.10, T.56 N., R.34 W., Buchanan County, Hydrologic Unit 10240012, on left bank 10 ft downstream from bridge of U.S. Highway 169, 1.5 mi downstream from Third Fork, 3.5 mi northeast of Agency, and at mile 66.8.

DRAINAGE AREA.--1,760 mi^2.

PERIOD OF RECORD.--May 1924 to August 1930, published as "at Agency"; May 1932 to current year.

GAGE.--Water-stage recorder. Datum of gage is 807.38 ft above National Geodetic Vertical Datum of 1929. May 22, 1924, to Aug. 9, 1930, nonrecording gage at site 4 mi downstream at different datum; May 13, 1932, to Nov. 14, 1965, nonrecording gage at same site and datum; Nov. 15, 1965, to Oct. 25, 1989, water-stage recorder at site 150 ft upstream at present datum.

REMARKS.--Records fair except for Nov. 29 to Dec. 8 and estimated daily discharges, which are poor. National Weather Service gage-height and U.S. Army Corps of Engineers satellite telemeters 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	190	427	180	e109	330	543	298	602	652	444	231	197
2	185	498	183	e111	309	509	271	549	731	339	179	139
3	177	250	182	e129	317	488	252	503	848	357	147	109
4	170	371	173	e133	314	485	234	464	3,290	300	122	88
5	158	420	174	e111	324	479	222	440	9,380	241	129	74
6	146	378	216	e107	593	446	266	413	3,750	209	96	65
7	151	330	208	e120	940	436	331	393	1,380	187	83	60
8	160	266	189	e116	596	403	1,410	366	1,010	170	75	59
9	148	234	204	e115	546	402	1,550	355	797	153	68	58
10	142	215	218	e117	413	412	922	332	1,520	137	63	52
11	136	196	198	e113	422	379	3,240	617	2,030	125	59	48
12	173	181	185	e119	582	354	9,960	2,060	3,150	116	56	44
13	182	169	173	e139	7,760	339	6,030	13,300	5,240	109	114	41
14	152	165	e136	e121	13,700	339	2,710	18,200	4,660	101	4,220	41
15	146	164	e137	e115	7,480	318	1,750	11,800	2,670	94	2,880	524
16	138	166	e136	e93	3,040	305	1,310	3,890	1,470	86	907	334
17	133	162	e127	e81	1,920	294	1,080	2,300	1,050	80	504	106
18	129	156	e125	e81	1,430	291	934	1,750	838	109	350	81
19	129	161	e96	e81	1,190	289	841	1,470	704	99	959	73
20	128	158	e111	e115	1,080	276	1,350	1,190	610	163	1,310	72
21	128	123	e105	e448	1,000	270	3,630	1,040	536	212	271	60
22	129	176	e94	e258	965	296	6,960	900	478	186	186	57
23	129	239	e117	e158	886	321	2,420	796	432	614	152	57
24	128	217	e83	e142	787	313	1,900	810	391	298	129	59
25	124	200	e71	e112	722	313	1,290	710	354	179	121	51
26	494	190	e74	e180	669	311	1,010	627	322	135	1,010	47
27	369	182	e76	e251	634	297	873	568	296	3,090	393	43
28	222	172	e82	e399	605	327	806	527	381	2,930	216	42
29	198	167	e86	e558	---	313	733	502	342	951	441	43
30	178	168	e102	425	---	291	660	464	387	496	264	41
31	166	---	e108	366	---	285	---	440	---	319	382	---
MEAN	172	230	140	178	1,770	359	1,841	2,206	1,657	420	520	92.2
MAX	494	498	218	558	13,700	543	9,960	18,200	9,380	3,090	4,220	524
MIN	124	123	71	81	309	270	222	332	296	80	56	41
IN.	0.11	0.15	0.09	0.12	1.05	0.24	1.17	1.45	1.05	0.28	0.34	0.06

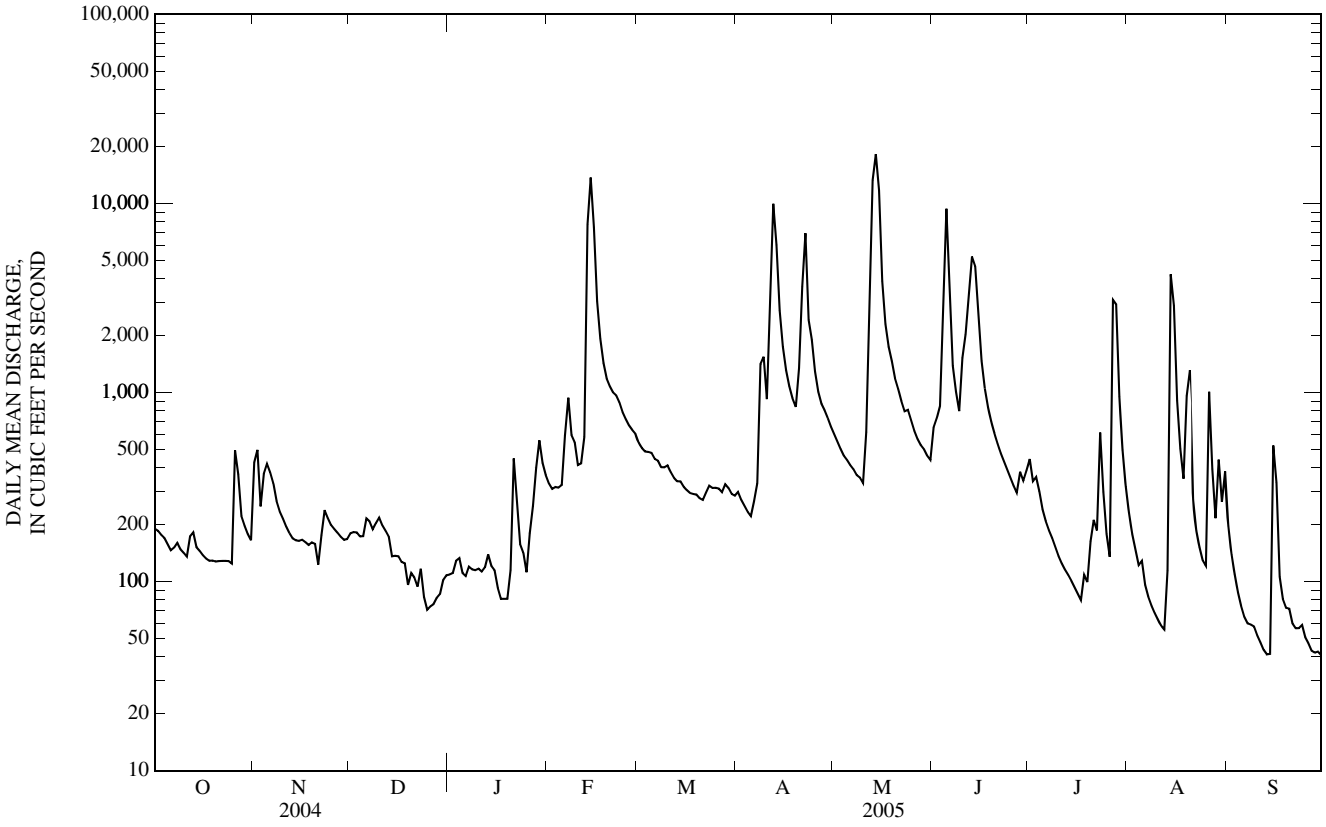
STATISTICS OF MONTHLY MEAN DATA FOR PERIOD OF RECORD, BY WATER YEAR (WY)

MEAN	623	540	364	365	838	1,329	1,480	1,675	1,994	1,174	451	855
MAX	8,584	4,620	3,248	3,714	4,912	6,345	6,835	10,020	13,640	21,280	2,935	7,853
(WY)	(1974)	(1962)	(1983)	(1974)	(1973)	(1979)	(1973)	(1995)	(1947)	(1993)	(1987)	(1926)
MIN	0.02	6.14	5.59	2.72	14.0	12.7	9.89	26.9	41.7	10.2	2.62	6.76
(WY)	(1957)	(1956)	(1939)	(1940)	(1940)	(1938)	(1956)	(1956)	(1988)	(1936)	(1934)	(1955)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		FOR PERIOD OF RECORD	
ANNUAL MEAN	1,015		789		974	
HIGHEST ANNUAL MEAN					4,108	1993
LOWEST ANNUAL MEAN					67.4	1934
HIGHEST DAILY MEAN	18,800	Jul 17	18,200	May 14	57,500	Jul 25, 1993
LOWEST DAILY MEAN	35	Jan 16	41	Sep 13,14,30	0.00	At Times
ANNUAL SEVEN-DAY MINIMUM	37	Jan 11	47	Sep 24	0.00	At Times
MAXIMUM PEAK FLOW	---		19,000	May 14	60,800	Jul 25, 1993
MAXIMUM PEAK STAGE	---		25.71	May 14	36.07	Jul 25, 1993
INSTANTANEOUS LOW FLOW	---		38	Sep 13	0.00	At Times
ANNUAL RUNOFF (INCHES)	7.85		6.09		7.52	
10 PERCENT EXCEEDS	2,160		1,470		2,090	
50 PERCENT EXCEEDS	266		271		196	
90 PERCENT EXCEEDS	56		83		24	

e Estimated

06820500 PLATTE RIVER NEAR AGENCY, MO—Continued



06821080 LITTLE PLATTE RIVER NEAR PLATTSBURG, MO

LOCATION.--Lat 39°34'04", long 94°24'25", in SE ¼ NW ¼ sec.20, T.55 N., R.31 W., Clinton County, Hydrologic Unit 10240012, on U.S. Highway 116 bridge, 0.4 mi east of the junction with U.S. Highway 33, and 2.5 mi east of Plattsburg.

DRAINAGE AREA.--65.4 mi^2.

PERIOD OF RECORD.--Oct. 1, 1999 to Sept. 30, 2000, Oct. 1, 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage unknown.

REMARKS.--Records fair except for estimated daily discharges, which are poor. U.S.G.S. satellite telemeter at station.

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

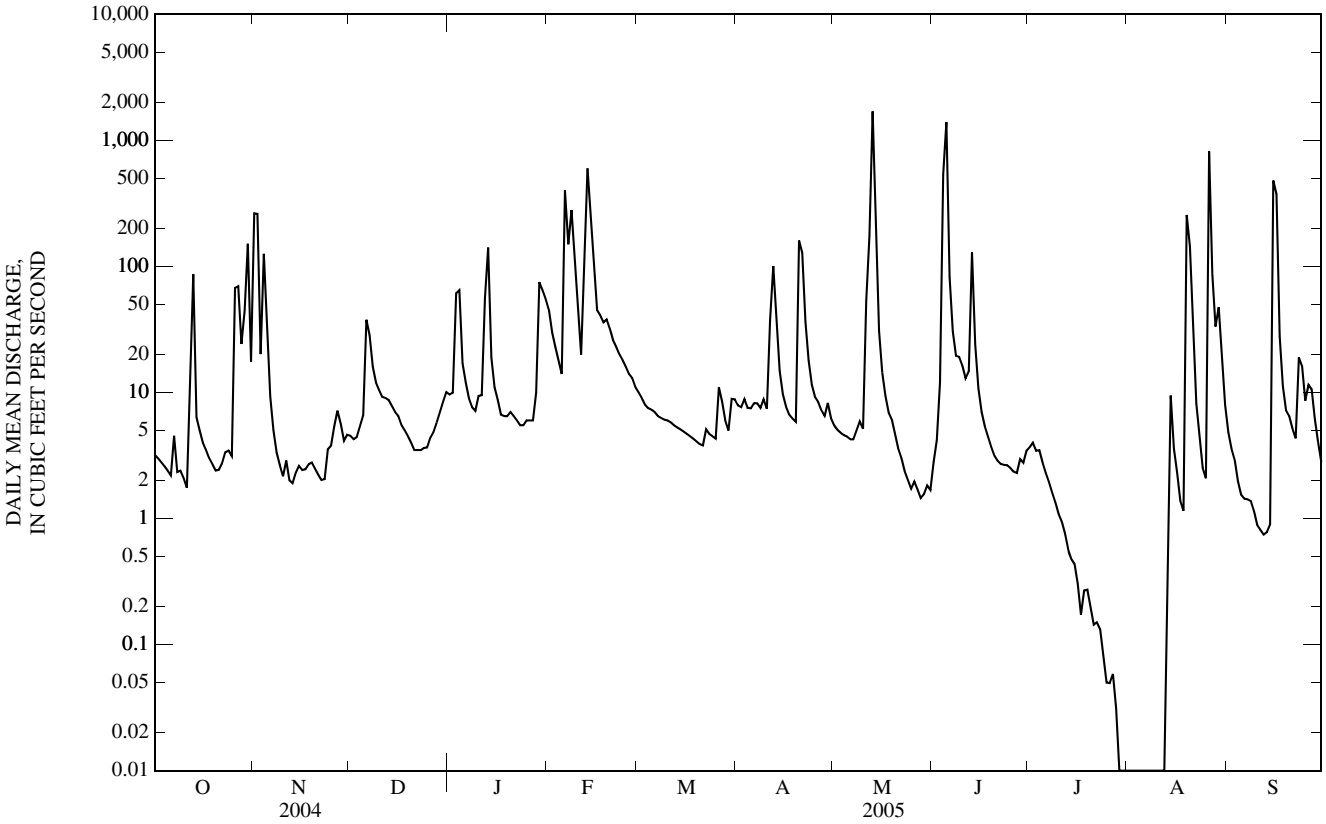
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e3.2	264	4.5	9.6	e45	e10	7.9	5.5	2.8	3.7	0.00	4.8
2	e3.0	261	4.3	10	e30	e9.0	7.7	5.1	4.2	4.0	0.00	3.6
3	e2.8	20	4.4	61	e23	e8.0	8.9	4.8	12	3.5	0.00	2.9
4	e2.6	126	5.4	e65	e18	e7.5	7.6	4.6	538	3.5	0.00	2.0
5	e2.4	35	6.6	e17	e14	e7.3	7.5	4.5	1,400	2.8	0.00	1.5
6	e2.2	9.3	38	e12	e400	e7.0	8.2	4.3	82	2.3	0.00	1.4
7	4.5	5.0	29	9.0	e150	e6.5	8.2	4.3	30	2.0	0.00	1.4
8	2.3	3.3	16	7.7	e280	e6.3	7.5	5.0	20	1.6	0.00	1.4
9	e2.4	2.7	12	7.2	e125	e6.1	8.8	5.9	19	1.3	0.00	1.1
10	e2.1	2.2	10	9.4	e50	e6.0	7.4	5.2	16	1.1	0.00	0.89
11	1.8	2.9	9.2	9.5	e20	e5.8	38	54	13	0.95	0.00	0.81
12	12	2.0	9.0	56	e100	e5.5	101	175	15	0.77	0.00	0.74
13	87	1.9	e8.7	141	e600	e5.3	35	1,700	129	0.57	1.3	0.78
14	6.4	2.3	e7.8	e19	e275	e5.1	15	147	24	0.48	9.4	0.89
15	e5.0	2.6	e7.0	e11	e115	e4.9	9.7	31	11	0.44	3.6	480
16	e4.0	2.4	e6.5	8.8	e45	e4.7	7.7	14	7.0	0.30	2.3	376
17	e3.5	2.5	e5.5	6.7	e41	e4.5	6.7	9.4	5.4	0.17	1.4	28
18	e3.0	2.7	e5.0	e6.5	e36	e4.3	6.2	6.9	4.5	0.27	1.2	11
19	2.7	2.8	e4.5	e6.5	e38	e4.1	5.9	6.1	3.7	0.27	256	7.2
20	2.4	2.5	e4.0	e7.0	e32	e3.9	160	4.7	3.2	0.20	144	6.5
21	2.4	2.2	e3.5	e6.5	e26	e3.8	128	3.6	2.9	0.14	28	5.2
22	2.7	2.0	e3.5	e6.0	e23	e5.1	36	3.0	2.7	0.15	8.2	4.3
23	3.3	2.1	e3.5	e5.5	e20	e4.7	18	2.4	2.7	0.13	4.4	19
24	3.5	3.5	3.6	e5.5	e18	e4.5	12	2.0	2.6	0.08	2.5	16
25	3.1	3.8	3.7	e6.0	e16	e4.3	9.2	1.7	2.5	0.05	2.1	8.6
26	67	5.4	4.4	e6.0	e14	e11	8.4	2.0	2.4	0.05	816	12
27	70	7.2	4.9	e6.0	e13	e8.5	7.2	1.7	2.3	0.06	87	11
28	24	5.6	5.8	e10	e11	e6.0	6.5	1.5	3.0	0.03	33	6.1
29	45	4.1	7.0	e75	---	e5.0	8.3	1.6	2.8	0.01	47	4.0
30	151	4.6	8.5	e65	---	e8.9	6.3	1.8	3.5	0.00	21	2.8
31	18	---	10	e55	---	8.8	---	1.7	---	0.00	8.0	---
MEAN	17.6	26.5	8.25	23.4	92.1	6.21	23.5	71.6	78.9	1.00	47.6	34.1
MAX	151	264	38	141	600	11	160	1,700	1,400	4.0	816	480
MIN	1.8	1.9	3.5	5.5	11	3.8	5.9	1.5	2.3	0.00	0.00	0.74
IN.	0.31	0.45	0.15	0.41	1.47	0.11	0.40	1.26	1.35	0.02	0.84	0.58

STATISTICS OF MONTHLY MEAN DATA FOR PERIOD OF RECORD, BY WATER YEAR (WY)

MEAN	7.40	6.80	4.24	5.31	20.8	14.1	12.8	62.1	74.6	5.90	16.8	35.2
MAX	18.1	26.5	8.25	23.4	92.1	46.4	30.2	117	141	18.6	47.6	95.5
(WY)	(2002)	(2005)	(2005)	(2005)	(2005)	(2004)	(2002)	(2002)	(2004)	(2004)	(2005)	(2004)
MIN	0.00	0.11	0.03	0.02	0.13	0.42	0.64	5.72	3.37	0.00	0.02	0.00
(WY)	(2003)	(2003)	(2003)	(2004)	(2003)	(2003)	(2004)	(2003)	(2002)	(2003)	(2003)	(2002)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		FOR PERIOD OF RECORD	
ANNUAL MEAN	40.2		35.4		22.1	
HIGHEST ANNUAL MEAN					36.3	2004
LOWEST ANNUAL MEAN					2.29	2003
HIGHEST DAILY MEAN	2,090	Sep 18	1,700	May 13	2,180	Jun 24, 2000
LOWEST DAILY MEAN	0.00	Many Days	0.00	Jul 30-Aug 12	0.00	Many Days 2002-2005
ANNUAL SEVEN-DAY MINIMUM	0.00	At Times	0.00	Jul 30	0.00	At Times 2002-2005
MAXIMUM PEAK FLOW	---		3,220	Jun 5	3,700	Jun 15, 2004
MAXIMUM PEAK STAGE	---		16.06	Jun 5	17.07	Jun 15, 2004
INSTANTANEOUS LOW FLOW	---		0.00	Jul 29-Aug 13	0.00	Many Days 2002-2005
ANNUAL RUNOFF (INCHES)	8.36		7.35		4.58	
10 PERCENT EXCEEDS	46		58		19	
50 PERCENT EXCEEDS	3.5		5.6		1.7	
90 PERCENT EXCEEDS	0.00		0.89		0.00	

06821080 LITTLE PLATTE RIVER NEAR PLATTSBURG, MO—Continued



06821140 SMITHVILLE RESERVOIR NEAR SMITHVILLE, MO

LOCATION.--Lat 39°23'50", long 94°33'25", SW $\frac{1}{4}$ sec.13, T.53 N., R.33 W., Clay County, Hydrologic Unit 10240012, in control tower at outlet works on the Little Platte River, 1.0 mi northeast of Smithville, and 5.0 mi north of Kansas City.

DRAINAGE AREA.--213 mi^2.

PERIOD OF RECORD.--July 1981 to current year. Records collected at same site since 1976 are available from the U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Lake is formed by a rolled earthfill type dam. Storage began on July 13, 1976. An uncontrolled limited service type spillway, 50 ft wide, is located at the right abutment. Capacity of surcharge pool 182,209 ac-ft (elevation 876.2 ft to 891.1 ft); of flood control pool 101,800 ac-ft (elevation 864.2 to 876.2 ft); and of multipurpose pool 144,600 ac-ft (elevation 799.0 ft to 864.2 ft). Lake is used for flood control, water supply, water-quality control, recreation, and fish and wildlife enhancement. U.S. Army Corps of Engineers satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 225,000 ac-ft, July 28, 1993, maximum elevation 874.31 ft; minimum, 2,360 ac-ft, Jan. 13, 1980, elevation, 819.0 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 164,000 ac-ft, June 14, elevation, 867.16 ft; minimum, 127,000 ac-ft, March 17 and 18, elevation, 862.02 ft.

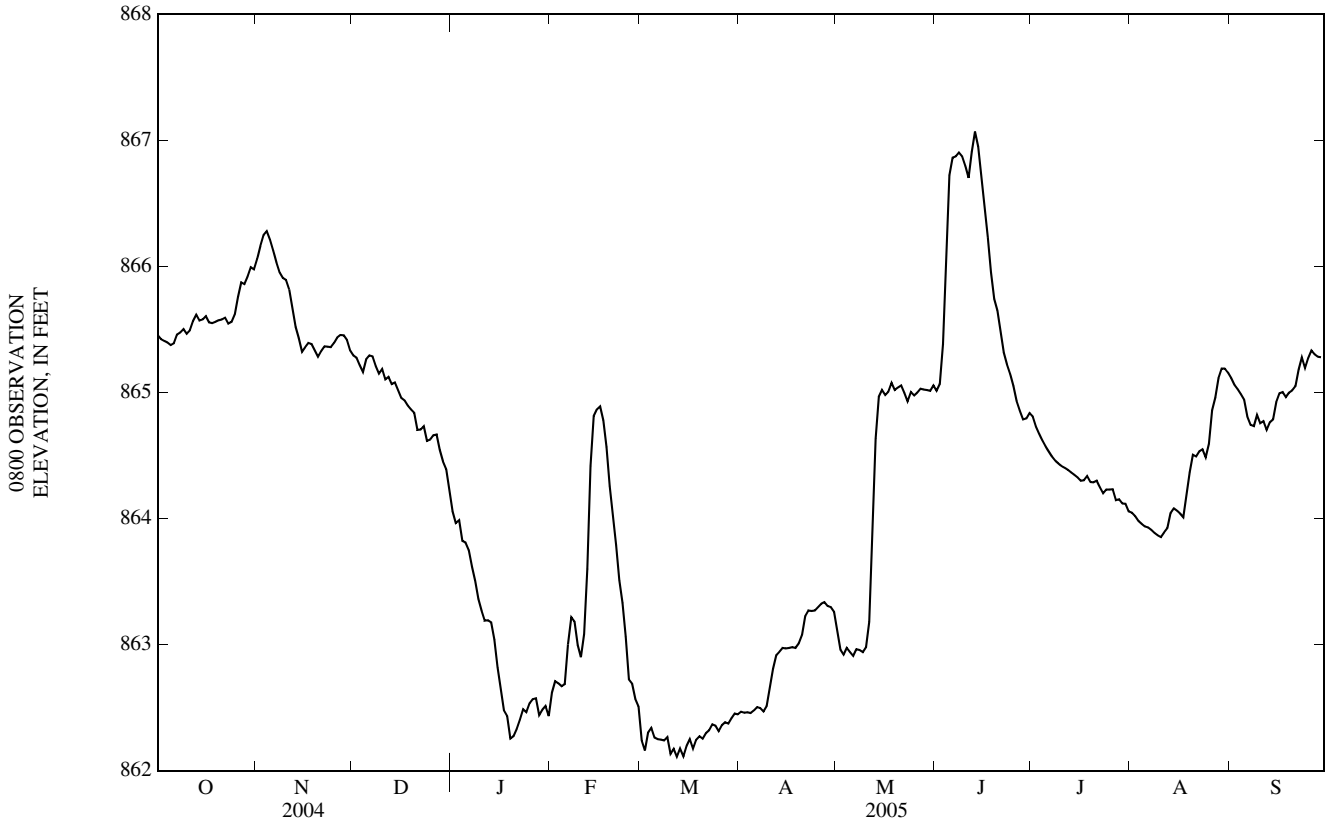
ELEVATION, IN FEET, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
OBSERVATION AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	865.46	865.96	865.30	864.15	862.40	862.52	862.44	863.24	865.08	864.85	864.02	865.14
2	865.45	866.11	865.29	864.01	862.73	862.10	862.48	863.04	864.98	864.79	864.06	865.10
3	865.41	866.19	865.27	863.94	862.70	862.19	862.45	862.92	865.11	864.70	864.00	865.04
4	865.41	866.28	865.19	864.01	862.69	862.36	862.47	862.92	865.52	864.66	863.97	865.02
5	865.39	866.28	865.15	863.73	862.66	862.33	862.45	863.00	866.51	864.60	863.95	864.97
6	865.37	866.18	865.32	863.85	862.70	862.23	862.49	862.91	866.83	864.56	863.93	864.93
7	865.40	866.10	865.28	863.70	863.15	862.26	862.51	862.91	866.88	864.52	863.93	864.75
8	865.49	866.00	865.29	863.58	863.25	862.24	862.49	862.99	866.87	864.48	863.90	864.74
9	865.47	865.93	865.17	863.47	863.15	862.24	862.46	862.94	866.92	864.45	863.88	864.73
10	865.52	865.90	865.14	863.31	862.92	862.28	862.54	862.94	866.85	864.43	863.86	864.87
11	865.44	865.89	865.21	863.25	862.89	862.06	862.73	863.00	866.77	864.41	863.85	864.70
12	865.52	865.78	865.05	863.16	863.18	862.23	862.85	863.27	866.67	864.40	863.91	864.81
13	865.59	865.62	865.16	863.21	863.81	862.05	862.95	864.18	867.03	864.38	863.93	864.65
14	865.63	865.47	865.02	863.16	864.72	862.24	862.94	864.86	867.09	864.36	864.10	864.82
15	865.54	865.41	865.11	862.98	864.86	862.05	862.99	865.02	866.88	864.34	864.07	864.77
16	865.60	865.28	864.97	862.74	864.87	862.27	862.96	865.02	866.63	864.32	864.06	865.00
17	865.61	865.40	864.95	862.59	864.90	862.24	862.98	864.96	866.38	864.29	864.03	864.99
18	865.53	865.39	864.93	862.42	864.72	862.14	862.98	865.03	866.16	864.31	864.00	865.01
19	865.56	865.38	864.88	862.44	864.49	862.30	862.97	865.10	865.85	864.35	864.30	864.94
20	865.56	865.31	864.86	862.16	864.14	862.26	863.03	864.98	865.69	864.26	864.40	865.03
21	865.58	865.27	864.83	862.33	863.95	862.25	863.10	865.07	865.63	864.30	864.56	865.01
22	865.58	865.36	864.64	862.33	863.71	862.32	863.29	865.05	865.41	864.30	864.46	865.07
23	865.60	865.37	864.74	862.44	863.41	862.32	863.26	864.97	865.27	864.22	864.57	865.24
24	865.52	865.36	864.73	862.51	863.29	862.39	863.27	864.91	865.20	864.19	864.54	865.30
25	865.58	865.36	864.56	862.44	862.95	862.34	863.27	865.05	865.12	864.25	864.46	865.14
26	865.64	865.41	864.66	862.58	862.61	862.30	863.31	864.94	865.02	864.22	864.66	865.34
27	865.82	865.45	864.66	862.56	862.73	862.39	863.33	865.03	864.89	864.24	864.96	865.33
28	865.90	865.46	864.67	862.58	862.49	862.38	863.34	865.03	864.84	864.10	864.96	865.29
29	865.84	865.45	864.48	862.37	---	862.37	863.29	865.02	864.76	864.18	865.19	865.28
30	865.96	865.40	864.44	862.54	---	862.44	863.30	865.02	864.81	864.09	865.19	865.28
31	866.01	---	864.37	862.50	---	862.46	---	865.01	---	864.13	865.19	---
MAX	866.01	866.28	865.32	864.15	864.90	862.52	863.34	865.10	867.09	864.85	865.19	865.34
MIN	865.37	865.27	864.37	862.16	862.40	862.05	862.44	862.91	864.76	864.09	863.85	864.65
(-)	155,000	150,000	143,000	130,000	130,000	130,000	135,000	148,000	146,000	141,000	149,000	150,000
(=)	+4,000	-5,000	-7,000	-13,000	0	0	+5,000	+13,000	-2,000	-5,000	+8,000	+1,000

CAL YR 2004.... +15,000
WTR YR 2005.... -1,000

(-) Contents, in acre-feet, at the end of the month.
(=) Change in contents, in acre-feet.

06821140 SMITHVILLE RESERVOIR NEAR SMITHVILLE, MO—Continued



06821150 LITTLE PLATTE RIVER AT SMITHVILLE, MO

LOCATION.--Lat 39°23'17", long 94°34'44", in NW ¼ SW ¼ sec.23, T.53 N., R.33 W., Clay County, Hydrologic Unit 10240012, on left bank behind city equipment shelter on old bridge abutment, 500 ft upstream from town bridge in Smithville, 1,500 ft upstream from bridge on U.S. Highway 169, 0.5 mi downstream from Wilkerson Creek, 2.4 mi downstream from Smithville Lake, and at mile 11.1.

DRAINAGE AREA.--234 mi^2.

PERIOD OF RECORD.--June 1965 to current year. Occasional measurements 1942, 1943, 1946, 1962-65.

REVISED RECORDS.--WRD MO 1970: Drainage area. WDR MO-02-1: 2001 date of peak.

GAGE.--Water-stage recorder. Datum of gage is 778.18 ft above National Geodetic Vertical Datum of 1929 (levels by the U.S. Army Corps of Engineers). Prior to Mar. 23, 1966, nonrecording gage at site 1,500 ft downstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Construction of dam for Smithville Lake (06821140) began in June 1974 and partial regulation began Aug. 6, 1977. National Weather Service gage-height and U.S. Army Corps of Engineers satellite telemeters at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1947 reached a stage of 37.4 ft.

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	12	42	137	486	e26	410	15	26	20	291	7.4	152
2	12	113	131	484	e48	201	15	27	12	297	7.3	153
3	14	139	130	559	80	79	15	25	40	288	7.3	154
4	13	282	128	530	81	78	15	24	670	291	7.2	154
5	13	301	129	623	81	77	15	24	1,690	141	7.7	154
6	13	293	143	510	189	77	19	25	72	129	7.4	154
7	36	288	131	499	253	51	18	23	47	128	7.5	79
8	41	286	129	493	297	16	16	25	36	92	7.6	9.8
9	14	285	128	494	283	15	16	27	64	17	8.3	8.1
10	9.5	285	127	509	277	15	16	24	352	15	7.9	7.5
11	9.4	285	126	500	278	15	101	73	689	12	9.0	8.1
12	20	285	125	556	311	15	40	116	772	12	14	8.5
13	22	285	125	558	945	15	25	1,660	293	13	108	8.9
14	14	285	e129	499	121	15	20	77	507	14	50	8.1
15	15	290	128	493	57	15	18	41	1,120	13	15	11
16	14	229	126	491	43	14	17	31	1,110	12	11	14
17	13	132	126	490	428	15	16	25	1,100	12	10	10
18	15	127	125	488	1,010	14	15	22	1,090	15	9.2	9.0
19	16	99	126	490	1,010	14	15	20	807	12	47	9.0
20	13	24	125	268	1,010	14	15	17	523	10	184	9.3
21	11	23	125	e40	1,000	15	73	15	521	11	23	9.1
22	12	24	123	e23	993	18	53	13	520	9.9	15	12
23	14	23	123	e23	989	21	21	11	518	9.2	12	236
24	17	30	124	e23	983	19	20	11	375	9.1	11	30
25	20	49	125	e23	729	21	21	11	272	8.6	41	18
26	60	49	124	e23	509	19	20	10	271	8.6	155	14
27	31	41	123	e23	508	17	17	8.9	270	8.7	33	11
28	27	34	304	e23	508	17	16	8.8	270	8.4	24	11
29	26	81	492	e35	---	16	17	8.4	270	7.9	52	9.7
30	24	129	489	e29	---	16	19	7.9	886	7.7	66	10
31	22	---	487	e27	---	15	---	8.2	---	7.7	151	---
MEAN	19.1	161	168	333	466	43.8	24.0	78.9	506	61.6	36.0	49.4
MAX	60	301	492	623	1,010	410	101	1,660	1,690	297	184	236
MIN	9.4	23	123	23	26	14	15	7.9	12	7.7	7.2	7.5
IN.	0.09	0.77	0.83	1.64	2.07	0.22	0.11	0.39	2.41	0.30	0.18	0.24

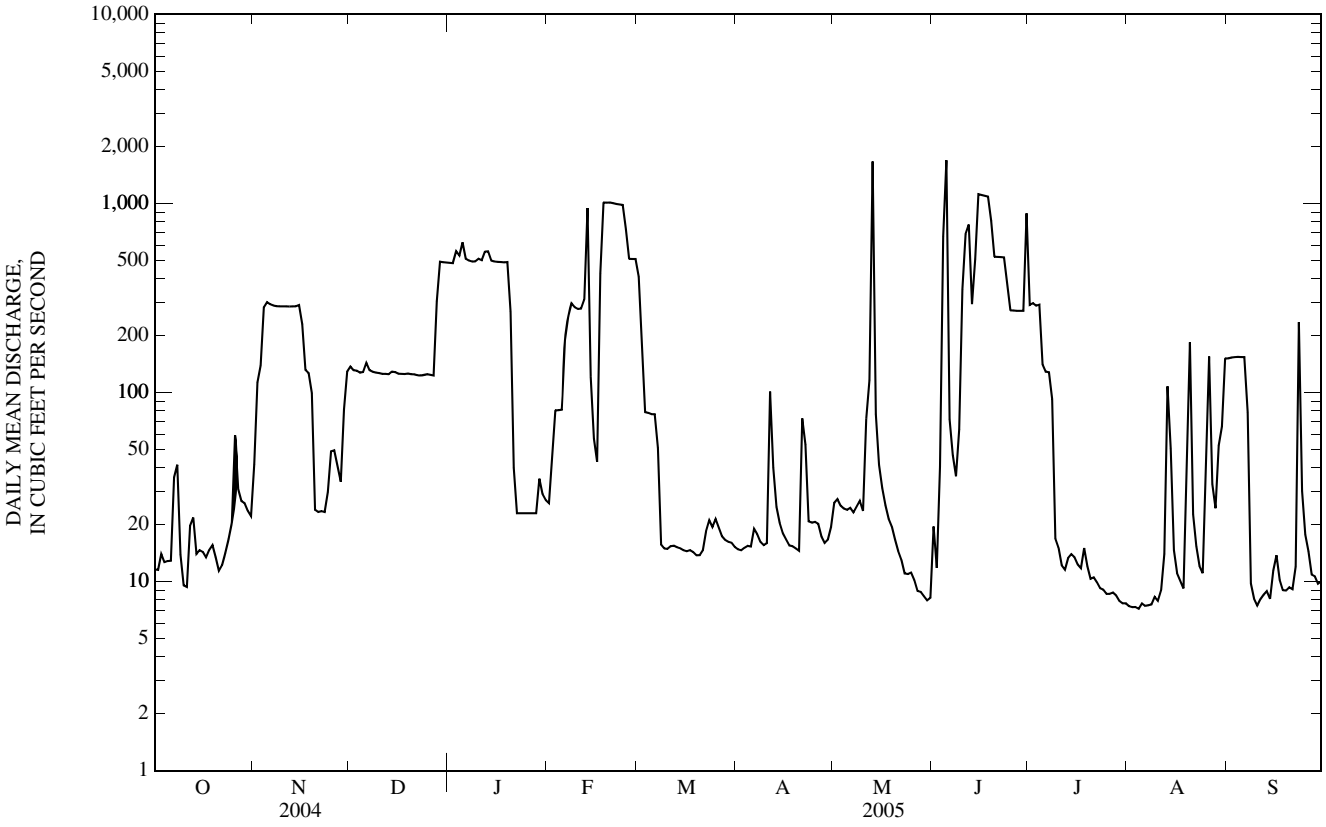
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2005[a], BY WATER YEAR (WY)

MEAN	162	167	95.6	93.4	97.3	155	177	244	263	239	160	135
MAX	960	1,358	466	563	466	825	640	850	809	879	1,206	1,006
(WY)	(1986)	(1999)	(1993)	(1993)	(2005)	(2001)	(1978)	(1993)	(1995)	(2001)	(1993)	(1977)
MIN	1.01	2.06	0.05	0.07	7.14	4.73	9.85	11.1	11.6	8.76	7.65	5.84
(WY)	(1977)	(1977)	(1977)	(1977)	(2003)	(1981)	(1981)	(2000)	(2003)	(2002)	(1980)	(2002)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1977 - 2005[a]	
ANNUAL MEAN	128		160		166	
HIGHEST ANNUAL MEAN					476	1993
LOWEST ANNUAL MEAN					9.93	2003
HIGHEST DAILY MEAN	1,890	May 19	1,690	Jun 5	7,810	Jul 27, 1981
LOWEST DAILY MEAN	2.7	Apr 29	7.2	Aug 4	0.05	Dec 1-25, 1976
ANNUAL SEVEN-DAY MINIMUM	4.2	Apr 11	7.4	Aug 1	0.05	Dec 1, 1976
MAXIMUM PEAK FLOW	---		4,950	Jun 5	21,000	Aug 13, 1982
MAXIMUM PEAK STAGE	---		28.17	Jun 5	36.44	Aug 13, 1982
INSTANTANEOUS LOW FLOW	---		6.9	Aug 1,2,4,8,Sep 19	0.00	Many Years
ANNUAL RUNOFF (INCHES)	7.45		9.26		9.64	
10 PERCENT EXCEEDS	406		499		511	
50 PERCENT EXCEEDS	20		29		19	
90 PERCENT EXCEEDS	6.6		9.4		7.9	

e Estimated
[a] Post-regulation period.

06821150 LITTLE PLATTE RIVER AT SMITHVILLE, MO—Continued



06821190 PLATTE RIVER AT SHARPS STATION, MO

LOCATION.--Lat 39°24'04", long 94°43'37", in NW ¼ SE ¼ SW ¼ sec.16, T.53 N., R.34 W., Platte County, Hydrologic Unit 10240012, on downstream side of center pier at Sharps Bridge, 0.2 mi upstream from Jowler Creek, 3.3 mi downstream from Little Platte River, 3.6 mi south of Camden Point, and at mile 25.1.

DRAINAGE AREA.--2,380 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1978 to current year.

GAGE.--Water-stage recorder. Datum of gage is 754.23 ft above National Geodetic Vertical Datum of 1929 (levels by the U.S. Army Corps of Engineers).

REMARKS.--Water-discharge records fair. Some regulation from Smithville Lake (station 06821140), 17.0 mi upstream. U.S. Army Corps of Engineers 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	236	627	401	804	661	1,220	363	735	1,180	1,680	342	515
2	212	2,610	396	795	563	908	359	672	1,080	853	254	371
3	207	1,280	384	937	535	703	332	619	1,400	697	203	308
4	193	965	375	1,190	540	668	317	583	4,470	714	173	273
5	182	1,250	372	1,330	545	655	300	549	10,700	571	165	254
6	170	1,100	499	872	697	638	312	525	10,600	423	166	237
7	187	939	572	750	2,430	621	346	502	4,750	381	146	215
8	369	837	488	826	2,500	539	396	483	1,860	355	125	107
9	256	769	440	793	1,920	492	1,640	477	1,390	259	109	96
10	204	670	438	824	1,240	497	1,430	447	1,190	227	103	90
11	174	631	453	830	941	500	1,440	511	2,690	209	97	81
12	188	596	431	913	1,090	468	6,890	1,650	3,160	189	102	77
13	312	563	402	1,340	5,280	430	8,960	8,580	6,320	183	362	73
14	340	548	372	1,010	10,100	421	5,350	11,100	5,290	173	560	71
15	244	532	306	921	10,900	417	2,650	11,700	5,420	164	4,440	80
16	195	522	330	1,010	8,660	398	1,810	12,100	3,580	151	2,240	2,490
17	175	381	356	1,120	3,610	390	1,390	6,840	2,590	140	804	778
18	162	371	355	916	3,020	376	1,140	2,580	2,210	152	485	229
19	159	370	344	755	2,600	364	995	2,180	1,920	175	1,050	144
20	159	303	281	696	2,430	357	900	1,650	1,360	166	2,740	112
21	160	274	311	529	2,320	352	1,950	1,320	1,230	181	1,670	102
22	168	275	292	821	2,200	359	5,990	1,130	1,150	260	449	87
23	167	305	288	549	2,130	420	5,040	965	1,070	233	278	688
24	157	392	e270	393	2,040	444	2,500	878	950	566	223	288
25	155	400	e265	371	1,830	456	1,900	902	721	345	274	137
26	316	414	263	323	1,400	446	1,380	765	677	238	567	103
27	e1,300	387	268	385	1,340	416	1,120	684	644	190	1,640	112
28	805	332	333	437	1,310	397	961	631	633	3,490	679	100
29	500	298	699	556	---	419	895	591	713	2,270	392	88
30	392	387	756	804	---	410	823	569	1,290	864	599	84
31	331	---	798	730	---	383	---	534	---	484	450	---
MEAN	283	644	404	791	2,673	502	1,996	2,369	2,741	548	706	280
MAX	1,300	2,610	798	1,340	10,900	1,220	8,960	12,100	10,700	3,490	4,440	2,490
MIN	155	274	263	323	535	352	300	447	633	140	97	71
IN.	0.14	0.30	0.20	0.38	1.17	0.24	0.94	1.15	1.29	0.27	0.34	0.13

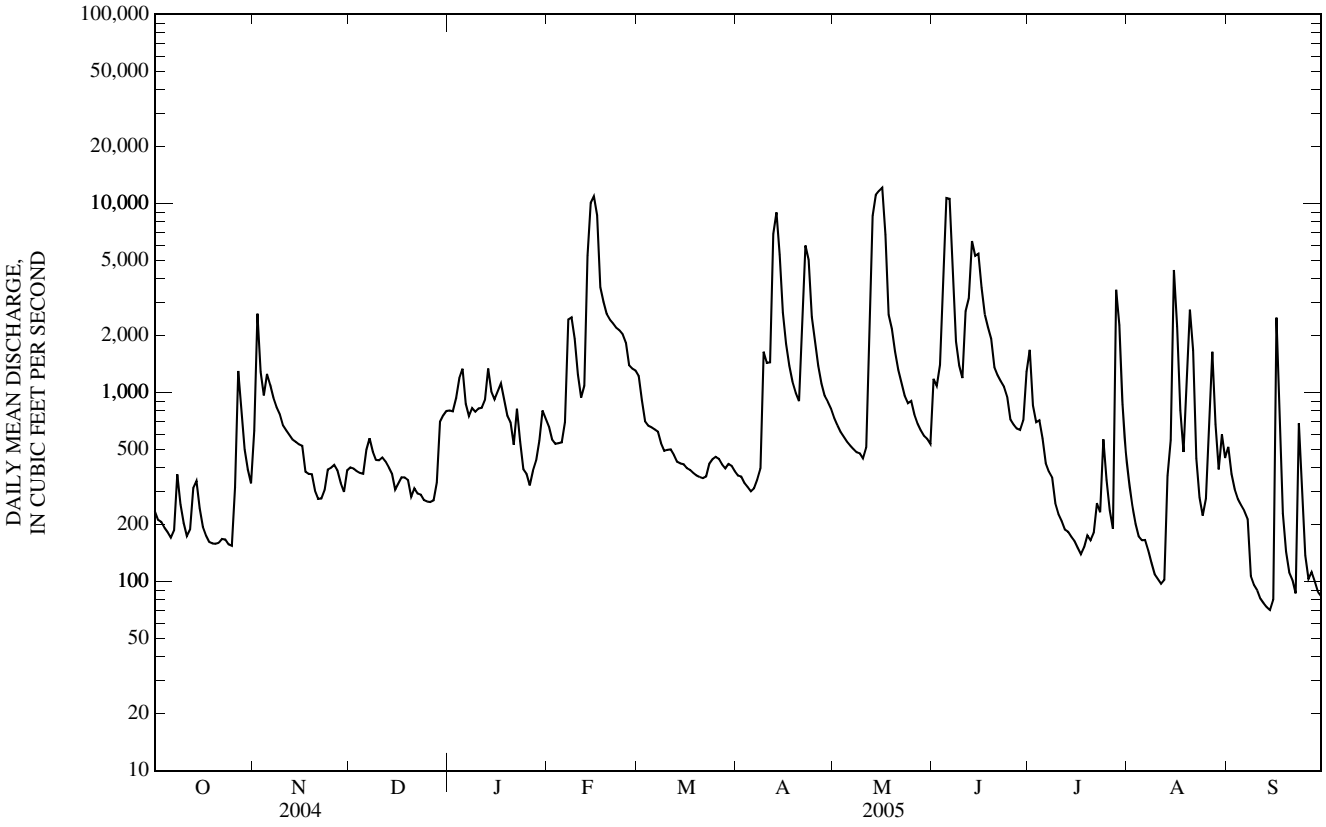
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2005, BY WATER YEAR (WY)

MEAN	1,085	919	956	565	1,340	1,958	2,435	3,291	2,986	2,684	976	1,225
MAX	6,847	4,932	5,005	2,153	3,980	8,745	6,946	12,710	10,790	21,600	3,535	7,206
(WY)	(1986)	(1999)	(1993)	(1983)	(1982)	(1979)	(1993)	(1995)	(1984)	(1993)	(1987)	(1993)
MIN	25.1	54.3	41.2	31.5	37.6	110	93.0	157	75.2	52.5	38.1	37.7
(WY)	(1989)	(2003)	(2003)	(2003)	(1989)	(1989)	(1989)	(1989)	(1988)	(1988)	(2003)	(2002)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1979 - 2005	
ANNUAL MEAN	1,405		1,146		1,699	
HIGHEST ANNUAL MEAN					5,697	1993
LOWEST ANNUAL MEAN					196	2003
HIGHEST DAILY MEAN	14,000	Jul 19	12,100	May 16	37,300	Jul 26, 1993
LOWEST DAILY MEAN	41	Jan 15	71	Sep 14	12	Aug 7,8,13,14, 1989
ANNUAL SEVEN-DAY MINIMUM	43	Jan 10	81	Sep 9	14	Aug 7, 1989
MAXIMUM PEAK FLOW	---		12,300	May 16	37,800	Jul 26, 1993
MAXIMUM PEAK STAGE	---		28.30	May 16	36.43	Jul 26, 1993
INSTANTANEOUS LOW FLOW	---		68	Sep 14,15	12	Aug 7,8,13,14, 1989
ANNUAL RUNOFF (INCHES)	8.04		6.54		9.70	
10 PERCENT EXCEEDS	4,420		2,490		4,130	
50 PERCENT EXCEEDS	442		529		563	
90 PERCENT EXCEEDS	74		166		63	

e Estimated

06821190 PLATTE RIVER AT SHARPS STATION, MO—Continued



06821190 PLATTE RIVER AT SHARPS STATION, MO—Continued
(Ambient Water-Quality Monitoring Network)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1979 to September 1995, November 1999 to current year.

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

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf µS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as $CaCO_3$ (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV												
04...	1100	Environmental	1,040	9.4	86	7.9	354	11.5	160	48.8	8.27	6.68
JAN												
12...	1200	Environmental	811	14.1	100	8.1	419	1.0	--	--	--	--
MAR												
24...	1200	Environmental	475	13.2	109	8.2	480	7.0	--	--	--	--
MAY												
03...	1045	Environmental	632	10.4	98	8.1	482	12.5	230	67.1	14.5	3.42
JUL												
20...	0925	Environmental	187	4.9	64	7.8	465	27.0	--	--	--	--
SEP												
27...	1115	Environmental	124	7.1	81	8.1	448	21.5	--	--	--	--
27...	1200	Blank	--	--	--	--	--	--	--	--	--	--

Date	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, field, mg/L as $CaCO_3$ (00410)	ANC, wat unf incrm. titr., field, mg/L as $CaCO_3$ (00419)	Bicarbonate, wat unf incrm. titr., field, mg/L (00450)	Carbonate, wat unf incrm. titr., field, mg/L (00447)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
NOV													
04...	10.2	131	131	160	<1	14.6	.2	21.3	228	193d	1.2	E.02n	1.09
JAN													
12...	--	--	--	--	--	--	--	--	--	70	.71	.05	.78
MAR													
24...	--	--	--	--	--	--	--	--	--	45	.86	<.04	1.27
MAY													
03...	14.7	173	173	211	<1	16.2	.3	32.0	296	133	.97	<.04	4.26
JUL													
20...	--	--	--	--	--	--	--	--	--	167d	1.2	.11	.49
SEP													
27...	--	--	--	--	--	--	--	--	--	75	.81	<.04	.46
27...	--	--	--	--	--	--	--	--	--	<10	<.10	<.04	<.06

Date	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coliform, M-FC 0.7µ MF col/ 100 mL (31625)	Aluminum, water, fltrd, µg/L (01106)	Aluminum, water, unfltrd recoverable, µg/L (01105)	Arsenic water, fltrd, µg/L (01000)	Cadmium water, fltrd, µg/L (01025)	Cadmium water, unfltrd µg/L (01027)	Copper, water, fltrd, µg/L (01040)	Iron, water, fltrd, µg/L (01046)
NOV													
04...	.010	.10d	.12	.44	1,400	1,600	4	3,350d	2.0	<.04	.14	5.0	16
JAN													
12...	.008	<.02	<.04	.10	280	190k	--	--	--	--	--	--	--
MAR													
24...	.010	E.01n	<.04	.18	<20b	520	--	--	--	--	--	--	--
MAY													
03...	.009	.08	.08	.27	140k	200k	E2n	1,400	2.0	<.04	.09	1.3	E4n
JUL													
20...	.029	.06	.07	.31	51	93	--	--	--	--	--	--	--
SEP													
27...	.014	.07	.08	.23	540	420	--	--	--	--	--	--	--
27...	<.008	<.02	<.04	<.04	--	--	--	--	--	--	--	--	--

06821190 PLATTE RIVER AT SHARPS STATION, MO—Continued

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

Date	Lead, water, fltrd, µg/L (01049)	Lead, water, unfltrd recover -able, µg/L (01051)	Mangan- ese, water, fltrd, µg/L (01056)	Mercury water, unfltrd recover -able, µg/L (71900)	Selen- ium, water, fltrd, µg/L (01145)	Zinc, water, fltrd, µg/L (01090)	Zinc, water, unfltrd recover -able, µg/L (01092)
NOV							
04...	.24	5.14	47.1	.01	.6	10.7	19
JAN							
12...	--	--	--	--	--	--	--
MAR							
24...	--	--	--	--	--	--	--
MAY							
03...	<.08	2.53	89.6	<.01	1.4	1.6	14
JUL							
20...	--	--	--	--	--	--	--
SEP							
27...	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--

Remark codes used in this table:
< -- Less than.
E -- Estimated.

Value qualifier codes used in this table:
b -- Value extrapolated at low end
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
n -- Below the LRL and above the LT-MDL

06892350 KANSAS RIVER AT DESOTO, KS

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

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

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

REVISED RECORDS.--WSP 806: Drainage area.

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

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

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

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

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

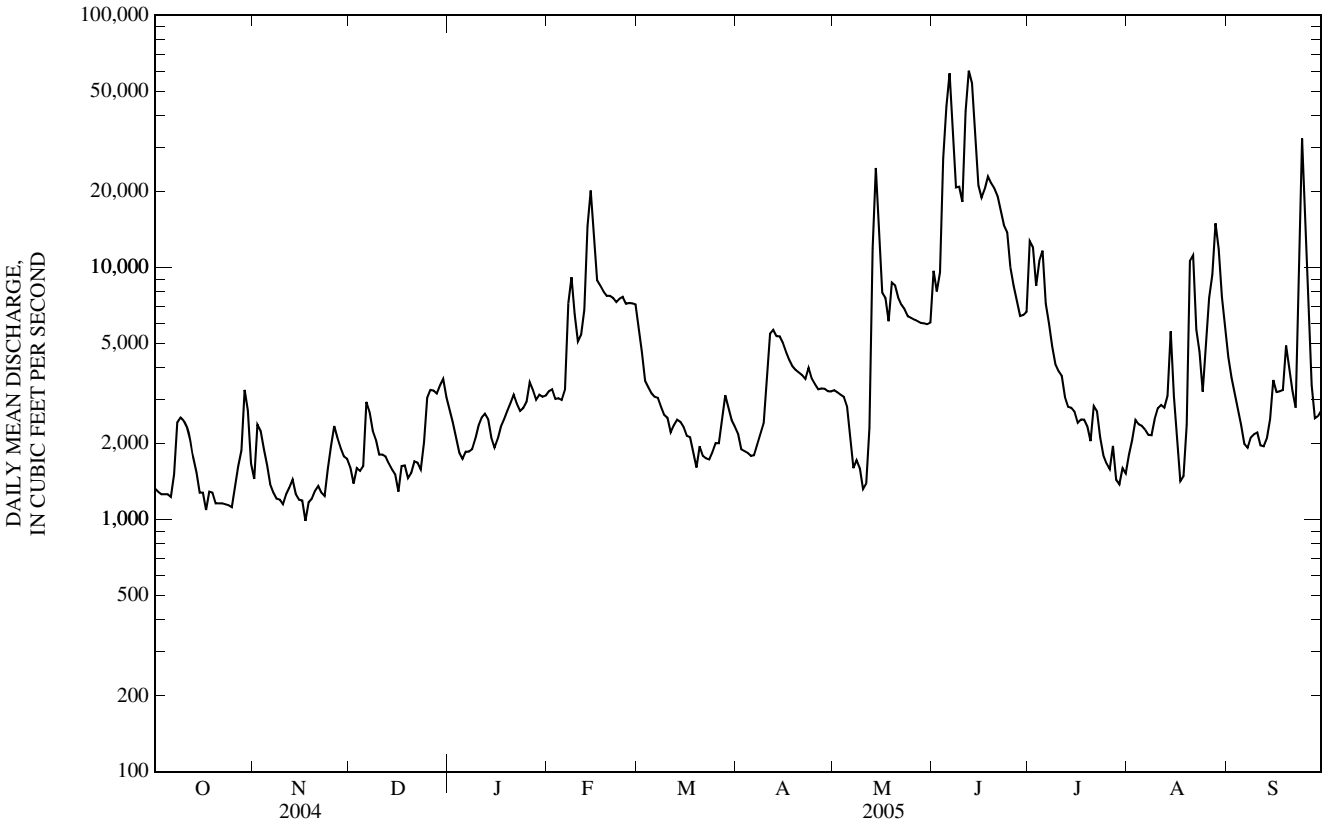
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 2005, BY WATER YEAR (WY)

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

06892350 KANSAS RIVER AT DESOTO, KS—Continued

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

e Estimated



06893000 MISSOURI RIVER AT KANSAS CITY, MO

LOCATION.--Lat 39°06'42", long 94°35'17", in sec.32, T.50 N., R.33 W., Jackson County, Hydrologic Unit 10300101, on downstream side of right pier of Chicago, Burlington and Quincy Railroad Bridge at Kansas City, 1.4 mi downstream from Kansas River, and at mile 366.1.

DRAINAGE AREA.--484,100 mi^2. The 3,959 mi^2 in Great Divide basin are not included.

PERIOD OF RECORD.--October 1897 to current year. Prior to August 1928 monthly discharge only, published in WSP 1310. Gage-height records collected at same site 1873-99 are contained in reports of the Missouri River Commission; those since 1900 are contained in reports of the National Weather Service.

REVISED RECORDS.--WDR MO-76-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 706.40 ft above sea level. Prior to May 4, 1931, nonrecording gage; May 4, 1931, to Aug. 23, 1934, water-stage recorder, at present site and datum; Aug. 24, 1934, to May 15, 1947, water-stage recorder at site 200 ft upstream at same datum; May 16, 1947, to Feb. 28, 1948, nonrecording gage at present site; Feb. 29, 1948, to Oct. 1, 1989, at datum 10.00 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are fair. Some regulation from many upstream reservoirs. National Weather Service gage-height and U.S. Army Corps of Engineers satellite telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 573,000 ft^3/s, July 14, 1951; gage height, 36.2 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 16, 1844, reached a stage of 48.0 ft, present datum; discharge, about 625,000 ft^3/s, computed by the U.S. Army Corps of Engineers.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41,800	24,200	23,500	25,400	27,500	30,700	34,900	40,600	55,600	66,700	36,200	39,700
2	40,500	25,400	23,300	25,100	26,700	28,800	34,900	39,800	59,400	65,300	35,100	38,500
3	39,500	27,100	23,000	27,900	26,300	27,400	34,900	39,300	60,300	59,400	34,800	37,200
4	38,500	25,500	22,800	31,000	26,300	26,600	35,300	39,200	86,400	57,300	35,000	36,100
5	38,100	25,500	22,900	34,800	26,600	26,300	35,900	39,100	104,000	59,100	35,300	35,200
6	38,000	25,000	23,700	30,500	27,700	26,000	35,000	38,400	121,000	53,500	34,800	34,400
7	38,000	24,500	24,400	25,100	31,700	26,100	35,200	37,400	94,900	49,700	34,100	34,000
8	38,400	23,800	24,500	23,600	37,200	25,700	38,100	37,800	83,100	47,700	34,300	33,700
9	37,800	23,100	24,700	23,200	37,600	24,700	38,300	37,100	81,400	45,300	34,400	33,800
10	36,900	23,000	24,800	23,500	34,900	24,300	37,100	36,600	80,300	43,300	34,200	34,100
11	36,700	22,800	24,400	24,200	30,500	24,000	39,800	37,600	91,100	42,000	34,100	34,200
12	35,500	22,700	24,000	24,300	29,200	23,700	44,200	41,200	131,000	41,100	35,300	33,700
13	33,400	22,800	24,000	25,800	37,600	23,700	50,000	67,400	134,000	39,800	40,600	33,700
14	30,300	23,100	24,100	24,800	49,800	23,800	51,300	113,000	113,000	38,900	44,900	34,300
15	29,300	22,800	24,200	24,000	51,800	23,600	47,400	102,000	91,200	38,700	51,800	36,400
16	27,300	22,400	23,900	23,500	e56,800	23,300	45,300	86,900	83,500	38,000	45,300	39,300
17	26,500	22,200	23,600	23,600	e52,200	22,800	43,100	76,500	78,200	36,900	37,600	39,200
18	26,000	22,000	23,400	23,800	e46,200	22,500	41,900	67,000	77,800	36,700	36,300	37,600
19	25,800	22,200	22,600	23,700	e42,800	22,100	41,300	65,300	76,700	38,000	39,100	37,800
20	25,500	22,100	22,400	24,000	e40,000	22,100	40,400	63,600	74,200	39,000	61,200	38,700
21	24,900	21,900	22,800	25,000	e37,300	22,000	40,900	58,900	72,500	37,800	54,000	37,500
22	24,500	22,200	23,000	25,800	e36,200	22,000	51,600	58,000	69,500	37,700	44,100	37,600
23	24,000	22,900	22,800	26,200	35,300	22,200	57,400	56,000	66,900	36,700	40,600	44,100
24	23,900	23,700	22,100	26,100	34,500	23,100	56,200	52,900	64,600	36,000	38,200	66,700
25	23,700	24,400	21,700	26,600	33,900	25,500	51,200	52,900	65,700	35,900	40,300	53,400
26	23,900	24,900	21,200	26,500	33,000	29,200	47,500	52,800	66,700	35,100	45,500	42,600
27	25,100	25,100	21,300	24,900	32,400	33,000	45,000	49,700	60,800	36,400	46,700	38,900
28	25,900	24,200	22,100	23,000	31,800	36,500	44,400	49,600	59,300	48,600	49,000	36,700
29	25,200	23,700	23,400	22,800	---	36,400	43,300	50,600	61,500	47,500	48,700	37,000
30	26,000	23,400	24,500	25,400	---	35,500	41,900	50,600	65,900	40,100	44,000	38,800
31	24,800	---	25,500	27,600	---	35,100	---	50,800	---	37,100	41,600	---
MEAN	30,830	23,620	23,370	25,540	36,210	26,410	42,790	54,470	81,020	44,040	40,870	38,500
MAX	41,800	27,100	25,500	34,800	56,800	36,500	57,400	113,000	134,000	66,700	61,200	66,700
MIN	23,700	21,900	21,200	22,800	26,300	22,000	34,900	36,600	55,600	35,100	34,100	33,700
IN.	0.07	0.05	0.06	0.06	0.08	0.06	0.10	0.13	0.19	0.10	0.10	0.09

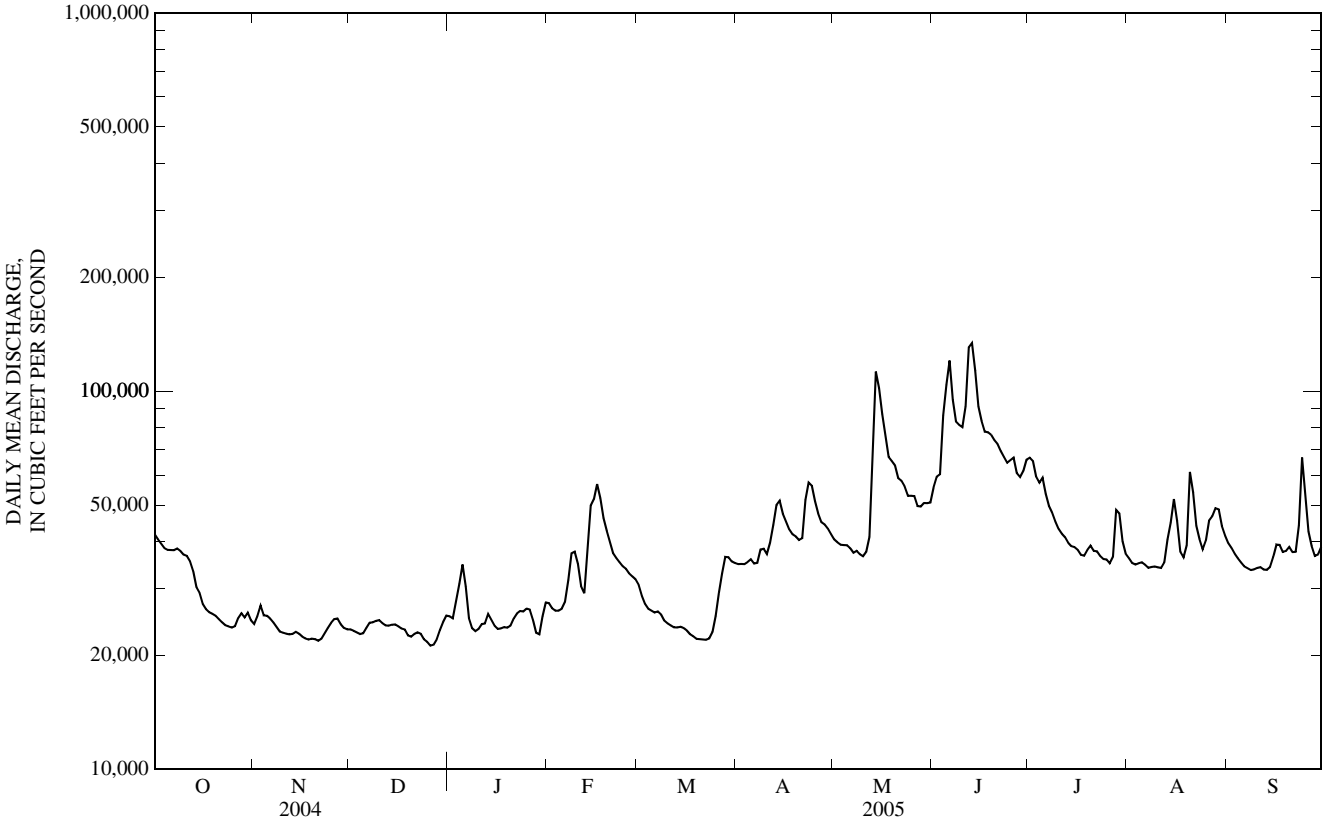
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2005[a], BY WATER YEAR (WY)

MEAN	55,230	51,370	35,940	29,090	37,980	54,800	68,730	71,630	77,600	69,100	55,650	56,500
MAX	135,200	103,200	75,370	60,980	77,690	133,700	148,900	145,800	173,800	288,300	144,300	115,600
(WY)	(1974)	(1999)	(1987)	(1973)	(1973)	(1979)	(1984)	(1995)	(1984)	(1993)	(1993)	(1993)
MIN	30,830	20,560	12,970	13,800	16,610	20,190	36,370	37,230	40,410	33,690	32,980	34,510
(WY)	(2005)	(1991)	(1964)	(1963)	(1964)	(1964)	(1990)	(1989)	(1989)	(2002)	(2003)	(1991)

06893000 MISSOURI RIVER AT KANSAS CITY, MO—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1958 - 2005[a]	
ANNUAL MEAN	40,110		38,910		55,340	
HIGHEST ANNUAL MEAN					102,100	1993
LOWEST ANNUAL MEAN					35,190	2003
HIGHEST DAILY MEAN	110,000	May 31	134,000	Jun 13	529,000	Jul 27, 1993
LOWEST DAILY MEAN	18,100	Jan 11	21,200	Dec 26	4,730	Dec 18, 1963
ANNUAL SEVEN-DAY MINIMUM	19,200	Jan 8	22,000	Dec 22	5,480	Dec 17, 1963
MAXIMUM PEAK FLOW	---		140,000	Jun 12,13	541,000	Jul 27, 1993
MAXIMUM PEAK STAGE	---		24.00	Jun 13	48.87	Jul 27, 1993
INSTANTANEOUS LOW FLOW	---		21,100	Dec 26,27	4,240	Dec 18, 1963
ANNUAL RUNOFF (INCHES)	1.13		1.09		1.55	
10 PERCENT EXCEEDS	70,100		61,300		92,100	
50 PERCENT EXCEEDS	35,700		35,300		47,400	
90 PERCENT EXCEEDS	22,200		23,100		24,100	

e Estimated
[a] Post-regulation period.



06893150 BLUE RIVER AT BLUE RIDGE EXT. IN KANSAS CITY, MO

LOCATION.--Lat 38°53'22", long 94°34'50", in NW ¼ NW ¼ NW ¼ sec.21, T.47 N., R.33 W., Jackson County, Hydrologic Unit 10300101, on the south side of the west bridge pier on the upstream side of Blue Ridge Blvd. Ext.

DRAINAGE AREA.--93.1 mi^2.

PERIOD OF RECORD.--June 1, 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is 800.00 ft North American Vertical Datum of 1988

REMARKS.--Records good except for estimated daily discharges, which are poor. U.S.G.S. 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	12	216	110	23	48	49	22	15	47	19	4.2	51
2	13	139	93	21	57	44	21	14	37	19	4.3	47
3	8.6	146	77	627	47	43	21	12	188	23	4.2	41
4	10	515	69	629	44	43	21	10	5,030	71	4.5	34
5	7.8	169	170	1,460	41	38	21	11	411	46	4.4	29
6	8.4	108	399	320	202	38	27	12	184	25	4.4	25
7	118	79	203	171	510	67	22	12	122	17	4.3	22
8	248	63	140	127	193	46	22	12	123	14	11	21
9	71	56	106	148	133	39	20	11	301	10	7.7	20
10	44	64	86	264	104	36	20	13	152	6.1	6.2	19
11	40	294	70	194	108	33	88	12	446	5.6	5.3	17
12	102	116	63	315	170	30	137	13	399	7.1	13	18
13	107	74	55	369	1,430	26	68	585	972	7.0	e400	17
14	63	60	49	e150	426	24	44	195	321	6.1	e141	19
15	46	55	44	e102	219	23	34	83	166	5.3	e54	e140
16	37	52	43	e87	149	23	30	53	112	4.9	28	e67
17	29	49	42	69	116	22	27	47	83	4.7	20	42
18	26	48	38	60	99	24	24	39	63	5.3	25	44
19	23	49	36	56	92	22	25	28	50	14	e292	45
20	20	44	33	57	110	22	23	21	41	11	e726	33
21	20	37	30	57	92	22	20	20	34	11	e121	27
22	22	35	e28	51	76	47	18	18	27	9.1	e63	22
23	23	35	e26	e40	67	62	17	16	23	5.9	52	245
24	18	247	e24	38	62	51	16	13	21	5.5	49	155
25	16	257	e22	37	57	47	15	11	19	4.9	1,390	79
26	76	443	e20	36	53	41	17	9.7	16	8.8	1,050	55
27	111	684	e20	32	52	34	15	9.2	16	11	304	42
28	61	251	22	30	54	31	13	11	17	7.3	149	40
29	50	160	23	33	---	30	15	9.0	14	4.6	107	33
30	48	130	26	33	---	27	16	10	11	4.9	76	28
31	41	---	25	40	---	25	---	9.1	---	4.4	59	---
MEAN	49.0	156	70.7	183	172	35.8	29.3	43.0	315	12.9	167	49.2
MAX	248	684	399	1,460	1,430	67	137	585	5,030	71	1,390	245
MIN	7.8	35	20	21	41	22	13	9.0	11	4.4	4.2	17

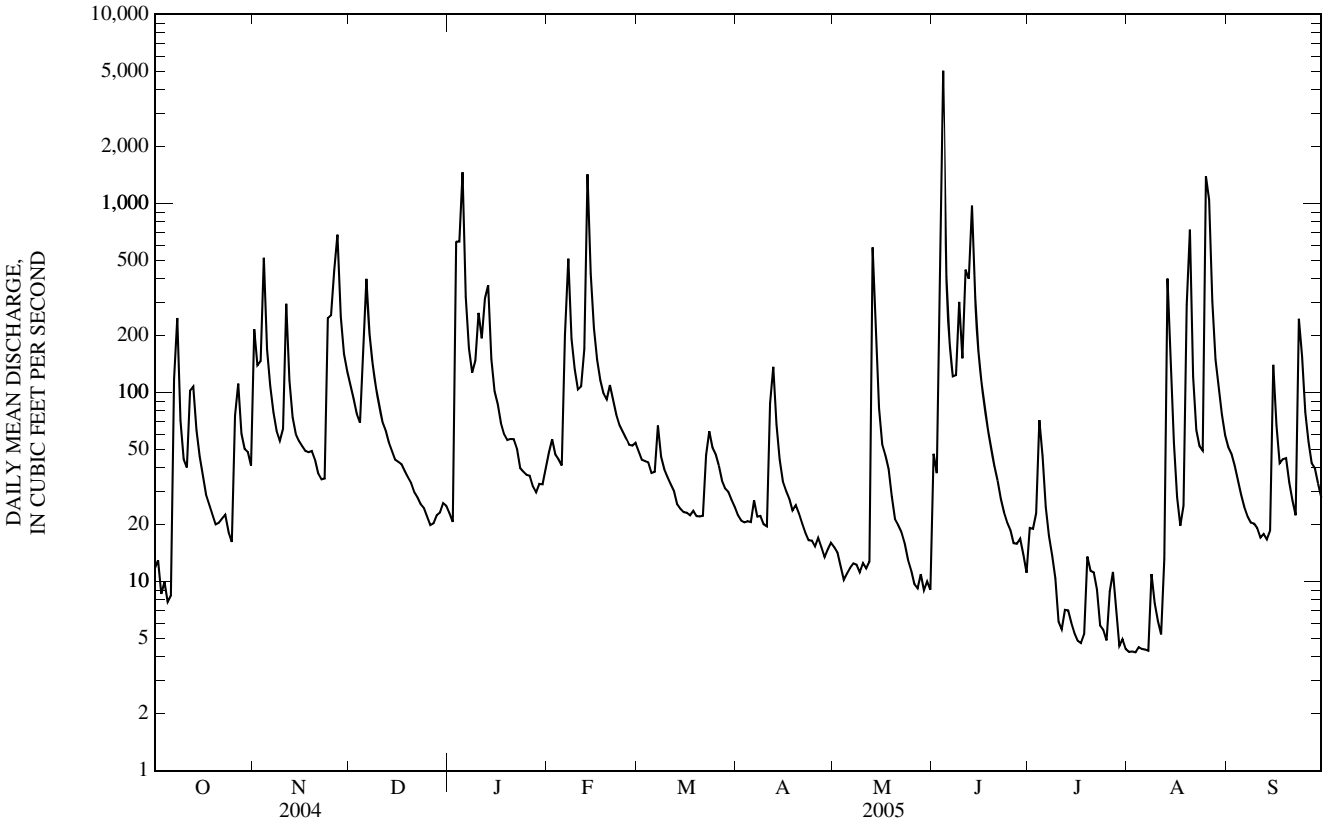
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	21.3	56.2	49.2	71.6	77.0	130	36.7	122	126	35.6	101	40.7
MAX	49.0	156	70.7	183	172	344	43.7	281	315	117	167	56.2
(WY)	(2005)	(2005)	(2004)	(2005)	(2005)	(2004)	(2004)	(2004)	(2005)	(2004)	(2005)	(2004)
MIN	7.40	5.51	6.29	5.11	13.4	9.79	29.3	42.0	45.2	5.90	5.27	4.84
(WY)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2005)	(2003)	(2003)	(2002)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2002 - 2005	
ANNUAL MEAN	118		106		78.7	
HIGHEST ANNUAL MEAN					106	2005
LOWEST ANNUAL MEAN					27.7	2003
HIGHEST DAILY MEAN	5,800	May 19	5,030	Jun 4	5,800	May 19, 2004
LOWEST DAILY MEAN	4.0	Aug 19	4.2	Aug 1,3	0.70	Sep 1, 2002
ANNUAL SEVEN-DAY MINIMUM	5.0	Aug 13	4.3	Aug 1	0.90	Aug 29, 2002
MAXIMUM PEAK FLOW	---		8,940	Jun 4	12,000	May 19, 2004
MAXIMUM PEAK STAGE	---		36.77	Jun 4	39.03	May 19, 2004
INSTANTANEOUS LOW FLOW	---		2.6	Aug 2	0.60	Sep 1, 2002
10 PERCENT EXCEEDS	172		208		129	
50 PERCENT EXCEEDS	41		38		22	
90 PERCENT EXCEEDS	11		10		3.7	

e Estimated

06893150 BLUE RIVER AT BLUE RIDGE EXT. IN KANSAS CITY, MO—Continued



06893400 INDIAN CREEK AT 103RD STREET IN KANSAS CITY, MO

LOCATION.--Lat 38°56'31", long 94°36'16", in NW ¼ NW ¼ SW ¼ sec. 31, T.47 N., R.33 W., Jackson County, Hydrologic Unit 10300101, on left bank at upstream side of 103rd Street Bridge, east of State Line Road.

DRAINAGE AREA.--65.0 mi^2.

PERIOD OF RECORD.--April 15, 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is 722.57 ft North American Vertical Datum of 1988.

REMARKS.--Records good except for estimated daily discharges, which are poor. U.S.G.S. 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	34	231	67	29	52	36	27	25	565	70	20	100
2	26	61	57	36	37	33	27	25	66	32	21	56
3	26	276	50	774	35	45	26	25	597	273	19	38
4	25	250	46	683	33	40	26	25	4,860	403	19	33
5	24	72	354	548	32	32	25	22	271	67	19	31
6	23	51	186	e134	317	35	100	22	112	44	19	29
7	562	43	118	92	304	190	34	24	81	34	69	32
8	166	39	75	74	111	42	27	70	168	30	57	29
9	52	36	65	149	103	38	26	45	370	27	39	26
10	39	161	54	161	88	36	26	29	117	26	24	25
11	89	128	48	112	87	35	345	26	599	21	21	24
12	133	48	46	243	225	33	126	31	497	17	361	22
13	77	39	42	153	874	31	53	1,140	614	17	1,140	25
14	43	36	39	e80	208	31	38	121	169	16	326	29
15	36	34	37	65	124	31	34	60	98	19	74	387
16	32	34	37	56	91	29	33	42	71	21	49	78
17	29	34	37	50	74	30	31	36	57	21	40	42
18	27	46	35	43	66	30	30	33	44	38	45	124
19	27	45	34	43	81	30	30	30	39	107	427	81
20	28	32	32	44	100	28	29	29	32	43	1,420	56
21	29	25	33	42	62	37	29	27	32	28	102	35
22	29	31	e32	37	50	150	28	21	29	25	70	32
23	29	41	e30	e33	44	80	26	18	29	23	63	869
24	27	400	e29	33	44	65	25	19	34	21	74	115
25	26	200	28	33	42	47	33	19	28	21	1,110	62
26	173	286	29	32	39	37	56	17	26	242	1,320	55
27	59	426	30	30	40	34	29	17	27	101	178	38
28	52	114	30	31	52	32	28	20	76	33	96	42
29	37	78	29	46	---	29	28	18	35	26	67	40
30	31	83	30	41	---	30	28	19	87	23	49	34
31	32	---	29	58	---	29	---	21	---	21	44	---
MEAN	65.2	113	57.7	129	122	45.3	46.8	67.0	328	61.0	238	86.3
MAX	562	426	354	774	874	190	345	1,140	4,860	403	1,420	869
MIN	23	25	28	29	32	28	25	17	26	16	19	22

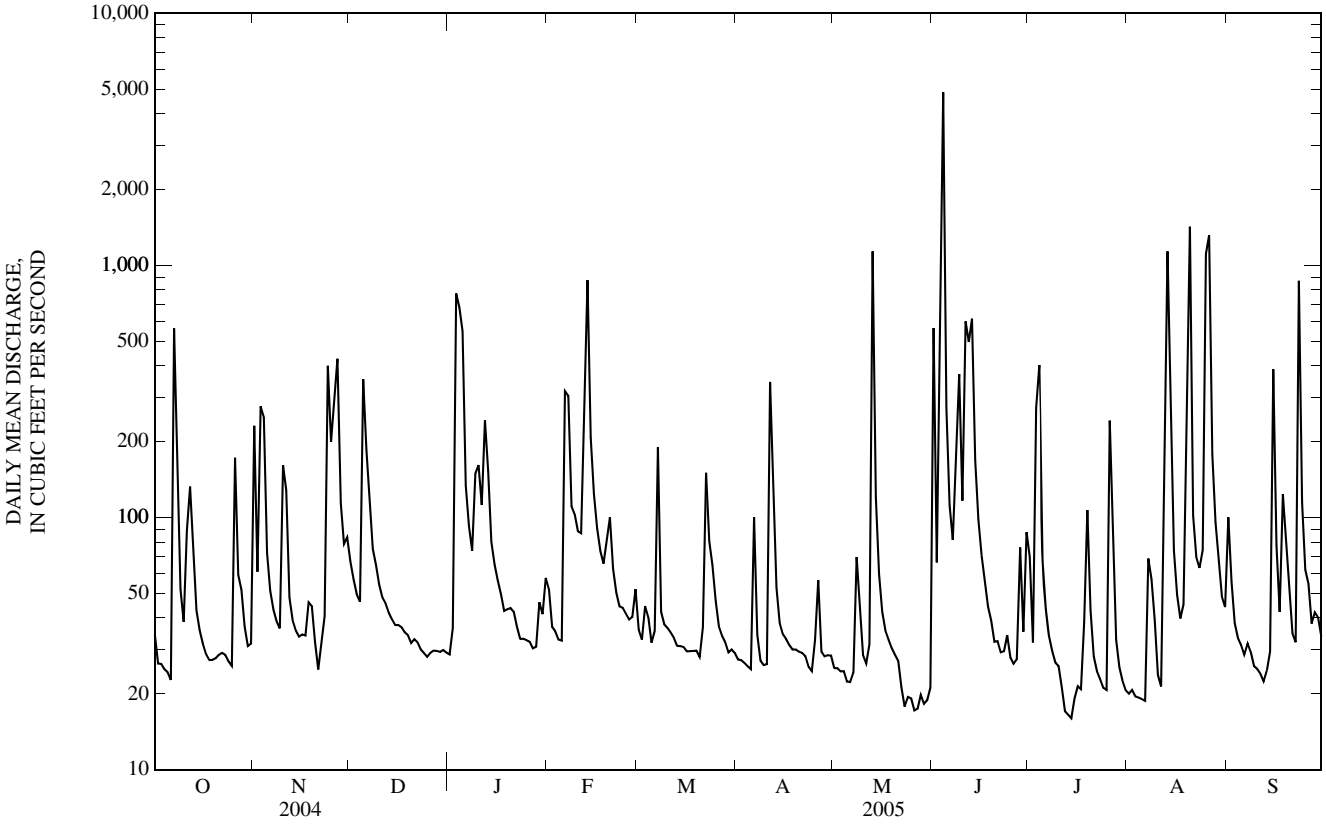
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	52.9	58.3	57.2	63.7	72.4	105	71.9	122	157	78.8	175	64.3
MAX	65.2	113	93.6	129	122	233	115	217	328	180	245	86.3
(WY)	(2005)	(2005)	(2004)	(2005)	(2005)	(2004)	(2003)	(2002)	(2005)	(2004)	(2003)	(2005)
MIN	33.0	28.6	20.4	20.8	39.5	36.2	46.8	67.0	62.7	27.0	48.0	33.0
(WY)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2005)	(2005)	(2002)	(2003)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2002 - 2005	
ANNUAL MEAN	107		113		95.2	
HIGHEST ANNUAL MEAN					113	2005
LOWEST ANNUAL MEAN					71.7	2003
HIGHEST DAILY MEAN	4,250	Mar 4	4,860	Jun 4	4,860	Jun 4, 2005
LOWEST DAILY MEAN	22	Jul 14,15,21,Sep 29	16	Jul 14	15	Jul 17,18,25, 2002, Jul 21,Aug 20,21, 2003
ANNUAL SEVEN-DAY MINIMUM	25	Aug 12	18	May 23	16	Aug 17, 2003
MAXIMUM PEAK FLOW	---		14,900	Jun 4	14,900	Jun 4, 2005
MAXIMUM PEAK STAGE	---		93.11	Jun 4	93.11	Jun 4, 2005
INSTANTANEOUS LOW FLOW	---		14	May 23,30,31,Jul 13	8.9	Aug 29, 2002
10 PERCENT EXCEEDS	177		235		148	
50 PERCENT EXCEEDS	39		38		33	
90 PERCENT EXCEEDS	27		24		20	

e Estimated

06893400 INDIAN CREEK AT 103RD STREET IN KANSAS CITY, MO—Continued



06893500 BLUE RIVER AT KANSAS CITY, MO

LOCATION.--Lat 38°57'25", long 94°33'32", in SE ¼ NE ¼ sec.28, T.48 N., R.33 W., Jackson County, Hydrologic Unit 10300101, on downstream side of right pier of bridge on Bannister Road, 0.4 mi downstream from Indian Creek, in Kansas City, and at mile 23.2.

DRAINAGE AREA.--188 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1939 to current year.

REVISED RECORDS.--WSP 926: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 753.73 ft above National Geodetic Vertical Datum of 1929 (levels by the U.S. Army Corps of Engineers). Prior to July 1, 1939, nonrecording gage at same site and datum.

REMARKS.--Water-discharge records good except for discharges above 800 ft^3/s, which are fair. Low flow regulated by commercial plants above station. National Weather Service gage-height and U.S. Army Corps of Engineers satellite telemeters at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Nov. 17, 1928, reached a stage of about 39 ft, from information by the city of Kansas City.

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	58	538	241	58	107	102	59	42	e775	119	21	169
2	49	280	193	65	96	90	57	40	e120	65	21	115
3	45	432	154	1,710	84	105	55	37	928	295	20	79
4	42	988	133	1,450	76	106	54	36	9,970	688	18	66
5	41	347	516	2,740	73	82	54	34	1,400	152	17	57
6	40	203	807	646	574	87	166	33	449	81	17	51
7	750	140	457	368	1,130	363	70	34	311	60	56	50
8	591	107	304	274	415	111	60	76	349	49	48	48
9	156	93	229	370	310	91	55	60	949	41	40	43
10	87	213	175	580	248	85	54	40	388	37	23	41
11	122	556	138	423	241	78	562	37	1,270	29	18	38
12	296	217	120	654	455	74	408	40	1,090	25	424	35
13	245	127	105	747	2,980	69	164	2,200	2,130	25	1,660	37
14	119	101	93	335	925	66	98	492	720	23	669	44
15	87	90	84	226	506	64	80	232	391	22	148	580
16	70	84	82	177	364	62	71	149	275	24	78	187
17	61	80	81	149	288	60	65	108	207	23	59	85
18	56	89	76	118	246	61	61	88	153	38	68	203
19	53	96	74	112	251	60	59	77	118	125	936	147
20	50	75	68	111	299	59	53	62	95	60	2,800	100
21	50	61	68	110	231	61	53	58	85	36	321	60
22	48	64	65	96	179	254	51	49	75	33	158	52
23	47	68	57	78	156	202	46	43	67	29	133	1,550
24	44	780	56	75	137	146	45	39	69	25	127	377
25	41	599	51	73	123	115	49	37	65	26	2,910	158
26	275	883	54	71	113	92	83	35	54	263	3,080	106
27	213	1,390	55	65	111	82	49	34	e58	150	708	73
28	115	536	57	63	132	76	44	37	e130	38	340	69
29	82	341	58	79	---	70	46	35	67	29	225	66
30	72	296	59	78	---	66	46	38	137	25	142	53
31	68	---	61	95	---	62	---	37	---	23	109	---
MEAN	131	329	154	393	388	100	93.9	141	763	85.7	497	158
MAX	750	1,390	807	2,740	2,980	363	562	2,200	9,970	688	3,080	1,550
MIN	40	61	51	58	73	59	44	33	54	22	17	35
IN.	0.81	1.95	0.94	2.41	2.15	0.61	0.56	0.86	4.53	0.53	3.05	0.94

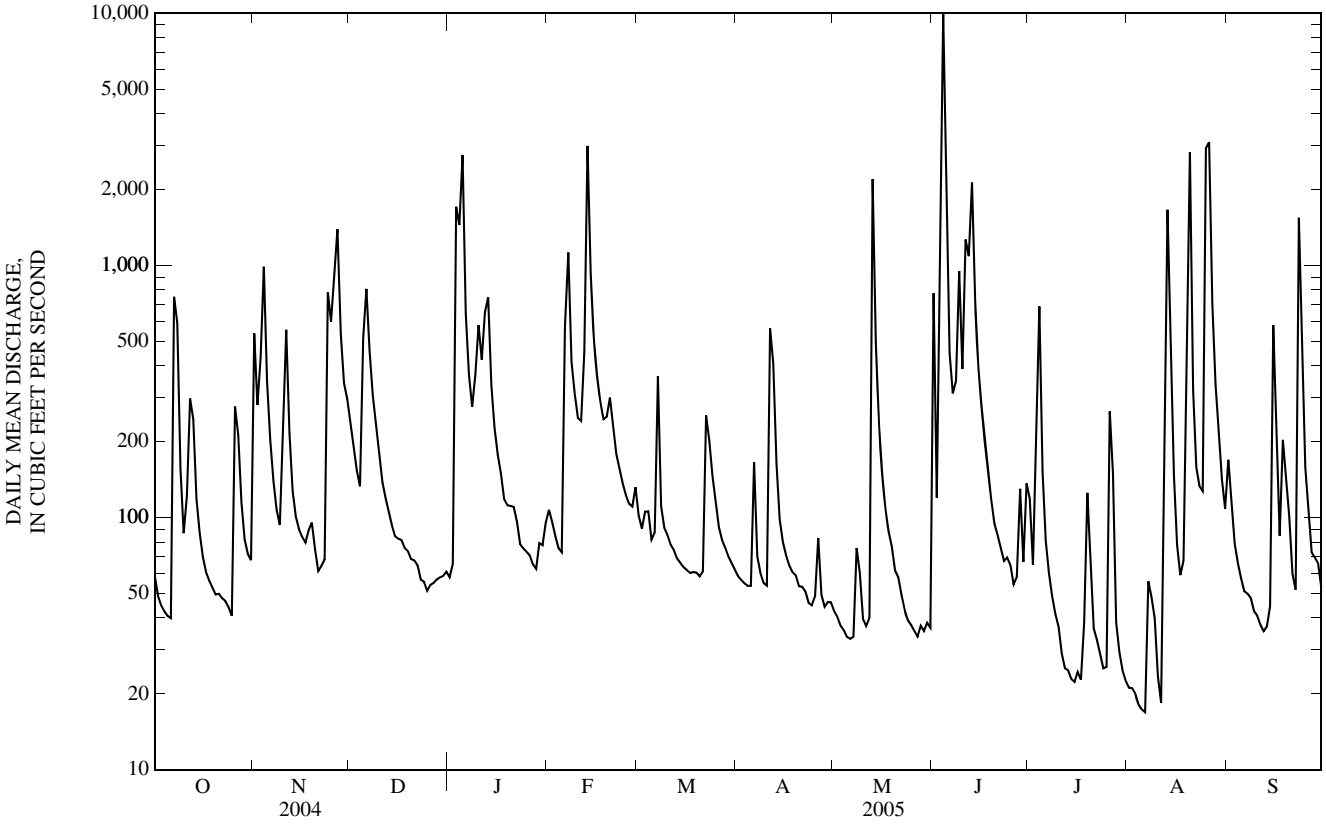
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2005, BY WATER YEAR (WY)

MEAN	129	112	97.5	97.9	134	193	266	267	299	168	99.3	168
MAX	790	926	726	445	740	1,407	1,279	1,457	1,285	1,616	497	1,395
(WY)	(1987)	(1999)	(1993)	(1941)	(1985)	(1973)	(1944)	(1990)	(1967)	(1951)	(2005)	(1986)
MIN	0.00	0.00	0.00	0.00	2.66	4.36	6.41	17.8	7.44	1.72	0.94	0.05
(WY)	(1940)	(1940)	(1940)	(1940)	(1940)	(1957)	(1954)	(1956)	(1953)	(1946)	(1947)	(1939)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1939 - 2005	
ANNUAL MEAN	274		268		170	
HIGHEST ANNUAL MEAN					437	1993
LOWEST ANNUAL MEAN					12.8	1956
HIGHEST DAILY MEAN	7,140	May 19	9,970	Jun 4	20,000	Sep 13, 1961
LOWEST DAILY MEAN	35	Jul 15	17	Aug 5,6	0.00	Several Years
ANNUAL SEVEN-DAY MINIMUM	41	Aug 12	20	Jul 31	0.00	At Times
MAXIMUM PEAK FLOW	---		15,400	Jun 4	41,000	Sep 13, 1961
MAXIMUM PEAK STAGE	---		32.04	Jun 4	44.46	Sep 13, 1961
INSTANTANEOUS LOW FLOW	---		13	Aug 6,7	0.00	Several Years
ANNUAL RUNOFF (INCHES)	19.84		19.34		12.27	
10 PERCENT EXCEEDS	495		584		284	
50 PERCENT EXCEEDS	94		84		47	
90 PERCENT EXCEEDS	51		37		7.0	

e Estimated

06893500 BLUE RIVER AT KANSAS CITY, MO—Continued



06893500 BLUE RIVER AT KANSAS CITY, MO--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD--
SPECIFIC CONDUCTANCE: August to December 1998, June to November 1999, April to December 2000, July to December 2001, April to December 2002, April to December 2003, April to December 2004, April 2005 to present.
pH: August to December 1998, June to November 1999, April to December 2000, July to December 2001, April to December 2002, April to December 2003, April to December 2004, April 2005 to present.
WATER TEMPERATURE: August to December 1998, June to November 1999, April to December 2000, July to December 2001, April to December 2002, April to December 2003, April to December 2004, April 2005 to present.
DISSOLVED OXYGEN: August to December 1998, June to November 1999, April to December 2000, July to December 2001, April to December 2002, April to December 2003, April to December 2004, April 2005 to present.
TURBIDITY: August to December 1998, June to November 1999, April to December 2000, July to December 2001, April to December 2002, April to December 2003, April to December 2004, April 2005 to present.

INSTRUMENTATION.--Multi-parameter water-quality monitor deployed seasonally since August 1998. U.S.G.S. satellite telemeter at station.

REMARKS.--Interruptions in the record are generally due to malfunction or fouling of the sensors. The manufacturers' specified range for turbidity sensors used is 0 to 1,000 NTU. All numbers beyond this limit may be considered as >1,000 NTU. Values >1,000 NTU are maintained for continuity of the record. Specific Conductance record excellent except May 15-23, June 14-19, July 8-10, which are good; May 24, June 20-22, which are fair. pH record excellent except September 22, which is good; April 28 to May 24, which are fair. Water temperature record excellent except July 11-12, which are fair. Dissolved oxygen record excellent except May 13, September 9-11, which are good; December 7, July 4, September 12-15, which are fair; October 1-15, December 8-11, May 14-15, July 5, September 16-22, which are poor. Turbidity record excellent except November 26, June 11-15, 20-22, which are poor.

EXTREMES FOR PERIOD OF RECORD.—
SPECIFIC CONDUCTANCE: Maximum, 3,180 microsiemens, December 15, 2003; minimum, 109 microsiemens, June 28, 1999.
pH: Maximum, 8.9 standard units, July 12-13, 2000, May 18, June 24, 2005; minimum, 4.7 standard units on May 5, 2005.
WATER TEMPERATURE: Maximum, 32.9 °C, July 27, 29, 1999; minimum, 0.9 °C, December 12-13, 2003.
DISSOLVED OXYGEN: Maximum, 16.3 mg/L, June 24, 2005; minimum, 0.1 mg/L, May 10, June 22-23, August 28-31, December 9, 2003, June 10-11, 2004.
TURBIDITY: Maximum, 2,700 NTU, May 11-12, 2002; minimum, 0.0 NTU on numerous days August–November, 1998, July–November, 1999, April–September 2000, August 3, 14, 2004.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum, 1,223 microsiemens, December 5; minimum, 148 microsiemens, May 6.
pH: Maximum, 8.9 standard units, May 18, June 24; minimum, 4.7 standard units, May 5.
WATER TEMPERATURE: Maximum, 32.6 °C, July 23; minimum, 2.1 °C, December 14.
DISSOLVED OXYGEN: Maximum, 16.3 mg/L, June 24; minimum, 0.8 mg/L, July 4.
TURBIDITY: Maximum, 1,400 NTU, June 3-4; minimum, 1.0 NTU, October 5-6, 24.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	19.2	17.9	18.8	16.0	15.2	15.7	5.5	4.6	5.2	---	---	---
2	17.9	15.4	16.4	15.2	13.7	14.3	5.7	4.7	5.3	---	---	---
3	17.0	14.4	15.8	13.7	11.7	12.8	5.3	4.3	5.0	---	---	---
4	17.3	15.5	16.4	12.1	11.1	11.6	6.0	4.5	5.3	---	---	---
5	16.5	14.5	15.6	11.6	10.0	10.9	7.5	5.3	6.0	---	---	---
6	16.8	14.8	15.8	12.4	10.8	11.7	8.0	6.1	7.0	---	---	---
7	18.0	16.4	17.1	12.3	11.1	11.9	8.4	7.6	8.1	---	---	---
8	18.7	16.9	17.9	11.9	10.8	11.4	7.8	6.8	7.3	---	---	---
9	18.6	17.2	18.0	11.8	10.8	11.3	7.7	7.0	7.4	---	---	---
10	18.1	17.1	17.6	13.6	11.0	11.9	7.5	6.6	7.0	---	---	---
11	17.3	15.6	16.5	13.6	10.7	11.7	6.7	6.1	6.5	---	---	---
12	15.6	14.3	14.9	10.7	9.3	9.8	6.9	6.2	6.5	---	---	---
13	15.0	13.7	14.4	9.3	8.1	8.6	6.3	3.8	5.0	---	---	---
14	14.8	13.5	14.0	8.7	7.9	8.3	3.8	2.1	2.7	---	---	---
15	13.5	12.7	13.1	9.9	8.7	9.2	---	---	---	---	---	---
16	13.1	11.8	12.5	12.0	9.9	10.9	---	---	---	---	---	---
17	13.8	12.0	12.9	13.9	12.0	12.9	---	---	---	---	---	---
18	14.3	13.6	14.0	14.3	13.6	13.9	---	---	---	---	---	---
19	14.4	13.9	14.2	14.2	13.5	13.9	---	---	---	---	---	---
20	14.2	14.0	14.1	13.5	12.4	13.0	---	---	---	---	---	---
21	15.0	14.1	14.4	12.4	10.5	11.2	---	---	---	---	---	---
22	17.0	15.0	16.2	10.6	10.2	10.4	---	---	---	---	---	---
23	17.9	16.5	17.1	10.8	9.9	10.5	---	---	---	---	---	---
24	16.6	14.9	15.9	9.9	5.7	6.8	---	---	---	---	---	---
25	16.4	15.0	15.8	6.4	4.6	5.5	---	---	---	---	---	---
26	17.4	16.3	16.9	8.3	6.2	7.1	---	---	---	---	---	---
27	17.4	17.3	17.4	9.2	7.9	8.7	---	---	---	---	---	---
28	18.5	17.2	17.8	7.9	7.1	7.3	---	---	---	---	---	---
29	19.9	18.4	19.1	7.1	6.7	7.0	---	---	---	---	---	---
30	19.1	16.2	17.4	6.7	5.5	6.3	---	---	---	---	---	---
31	16.2	14.6	15.4	---	---	---	---	---	---	---	---	---
MONTH	19.9	11.8	15.9	16.0	4.6	10.6	---	---	---	---	---	---

06893500 BLUE RIVER AT KANSAS CITY, MO—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	---	---	---	---	---	---	---	---	---	15.7	11.8	13.6
2	---	---	---	---	---	---	---	---	---	15.5	12.1	13.8
3	---	---	---	---	---	---	---	---	---	16.5	12.3	14.4
4	---	---	---	---	---	---	---	---	---	17.5	14.0	15.6
5	---	---	---	---	---	---	---	---	---	18.0	14.6	16.3
6	---	---	---	---	---	---	---	---	---	20.5	16.3	18.2
7	---	---	---	---	---	---	---	---	---	21.6	18.7	19.9
8	---	---	---	---	---	---	---	---	---	20.9	19.8	20.3
9	---	---	---	---	---	---	---	---	---	22.5	18.4	20.4
10	---	---	---	---	---	---	---	---	---	24.8	19.9	22.3
11	---	---	---	---	---	---	---	---	---	24.9	22.4	23.5
12	---	---	---	---	---	---	---	---	---	23.5	21.1	22.3
13	---	---	---	---	---	---	---	---	---	21.4	17.6	18.4
14	---	---	---	---	---	---	---	---	---	20.1	17.3	18.5
15	---	---	---	---	---	---	---	---	---	19.2	16.5	18.1
16	---	---	---	---	---	---	---	---	---	19.6	16.5	18.1
17	---	---	---	---	---	---	---	---	---	21.7	18.3	19.8
18	---	---	---	---	---	---	---	---	---	20.7	19.8	20.3
19	---	---	---	---	---	---	---	---	---	24.2	19.4	21.5
20	---	---	---	---	---	---	---	---	---	25.9	21.7	23.7
21	---	---	---	---	---	---	---	---	---	25.5	21.9	23.8
22	---	---	---	---	---	---	---	---	---	26.7	23.1	24.7
23	---	---	---	---	---	---	---	---	---	27.1	23.0	24.9
24	---	---	---	---	---	---	---	---	---	25.5	23.4	24.2
25	---	---	---	---	---	---	---	---	---	25.6	22.0	23.6
26	---	---	---	---	---	---	---	---	---	25.2	21.9	23.4
27	---	---	---	---	---	---	---	---	---	23.4	20.4	21.8
28	---	---	---	---	---	---	15.1	13.9	14.3	23.8	19.1	21.2
29	---	---	---	---	---	---	13.9	12.1	12.8	24.2	20.9	22.5
30	---	---	---	---	---	---	14.3	10.6	12.5	23.3	21.6	22.4
31	---	---	---	---	---	---	---	---	---	24.9	21.3	22.9
MONTH	---	---	---	---	---	---	---	---	---	27.1	11.8	20.5
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.9	20.1	21.3	26.6	22.6	24.5	30.0	26.4	28.0	25.4	23.8	24.7
2	22.6	19.7	21.2	27.4	24.0	25.6	29.1	27.2	28.2	24.9	23.0	23.9
3	21.9	19.7	20.5	27.6	23.7	25.6	30.2	27.1	28.5	26.0	23.2	24.5
4	20.8	18.6	19.4	24.9	22.8	23.6	30.8	27.9	29.0	26.6	24.0	25.3
5	22.9	20.5	21.5	25.7	23.2	24.4	28.8	25.9	26.9	26.7	24.1	25.4
6	23.8	20.5	22.1	26.9	23.4	25.1	28.3	24.4	26.1	26.4	24.0	25.3
7	24.5	22.2	23.4	28.2	24.5	26.3	28.6	25.5	27.0	26.8	24.1	25.5
8	25.7	23.0	24.2	29.1	25.2	27.1	28.0	25.2	26.7	26.1	24.7	25.5
9	24.3	22.3	23.3	29.8	25.9	27.8	29.2	25.8	27.5	26.7	24.1	25.4
10	23.9	22.4	23.3	30.0	26.6	28.3	30.1	27.0	28.6	26.9	24.4	25.7
11	23.6	21.6	22.3	30.3	27.0	28.3	30.6	27.7	29.0	26.8	24.3	25.6
12	24.5	21.8	22.8	29.6	25.6	27.7	29.4	25.6	27.4	26.4	24.7	25.6
13	23.1	21.6	22.2	29.6	26.8	28.1	25.6	24.1	24.8	25.5	24.1	24.5
14	23.8	21.1	22.3	30.4	26.8	28.4	24.5	22.2	22.8	24.1	22.5	23.2
15	24.4	21.2	22.8	31.1	27.6	29.1	22.4	21.8	22.1	22.6	18.8	19.9
16	25.3	22.3	23.9	31.1	27.9	29.4	24.7	22.0	23.1	20.4	18.0	19.2
17	26.0	23.3	24.7	31.0	28.1	29.5	25.9	23.6	24.6	21.0	18.8	20.0
18	25.6	22.8	24.3	29.6	27.6	28.8	28.8	25.1	26.7	22.9	20.0	21.4
19	26.3	23.2	24.7	28.2	25.4	26.3	27.9	24.4	26.0	24.8	22.2	23.4
20	27.3	23.5	25.3	29.4	24.9	27.0	25.8	23.8	24.3	25.9	23.7	24.7
21	27.8	24.3	25.9	30.6	27.4	29.0	24.8	23.5	24.1	25.5	23.3	24.5
22	29.1	25.1	27.0	31.6	28.0	29.8	25.5	24.1	24.8	26.2	24.1	25.1
23	29.4	25.9	27.6	32.6	28.8	30.6	25.0	23.1	24.0	25.1	21.3	22.3
24	29.6	26.2	28.0	32.2	29.1	30.7	23.7	22.5	23.1	23.7	22.0	22.8
25	30.4	26.7	28.5	32.1	29.0	30.4	23.5	22.5	22.8	24.7	22.8	23.8
26	30.6	27.0	28.8	30.7	24.5	28.3	23.6	22.2	22.9	24.4	22.8	23.6
27	---	---	---	26.2	22.8	24.5	25.8	23.2	24.4	22.8	20.8	21.8
28	---	---	---	26.5	23.0	24.8	26.1	23.8	24.9	21.6	19.3	20.7
29	29.4	25.7	27.4	28.0	23.9	25.9	25.8	23.6	24.9	19.3	17.1	18.1
30	28.5	23.8	26.2	29.0	24.9	26.9	25.5	23.6	24.7	18.6	16.4	17.6
31	---	---	---	29.4	25.9	27.5	25.9	24.0	25.0	---	---	---
MONTH	---	---	---	32.6	22.6	27.4	30.8	21.8	25.6	26.9	16.4	23.3

06893500 BLUE RIVER AT KANSAS CITY, MO—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
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	7.9	7.7	7.8	8.0	7.7	7.8	8.1	8.1	8.1	---	---	---
2	8.1	7.8	7.9	8.1	8.0	8.0	8.1	8.0	8.1	---	---	---
3	8.1	7.9	8.0	8.0	7.9	8.0	8.1	8.1	8.1	---	---	---
4	8.1	7.9	8.0	8.0	8.0	8.0	8.1	8.1	8.1	---	---	---
5	8.1	7.9	8.0	8.1	8.0	8.1	8.1	7.9	8.0	---	---	---
6	8.1	7.8	8.0	8.1	8.1	8.1	8.0	7.9	7.9	---	---	---
7	8.0	7.8	7.9	8.2	8.1	8.1	8.0	7.9	8.0	---	---	---
8	8.0	7.9	8.0	8.2	8.0	8.1	8.1	8.0	8.0	---	---	---
9	8.0	7.9	8.0	8.1	8.0	8.1	8.1	8.0	8.0	---	---	---
10	8.0	8.0	8.0	8.1	7.8	8.1	8.1	8.0	8.1	---	---	---
11	8.0	7.9	8.0	8.1	7.9	8.0	8.1	8.0	8.1	---	---	---
12	8.0	8.0	8.0	8.0	7.9	7.9	8.2	8.1	8.1	---	---	---
13	8.1	8.0	8.0	8.0	8.0	8.0	8.2	8.1	8.2	---	---	---
14	8.1	8.1	8.1	8.1	8.0	8.0	8.2	8.1	8.1	---	---	---
15	8.1	8.1	8.1	8.0	8.0	8.0	---	---	---	---	---	---
16	8.1	8.0	8.0	8.1	8.0	8.0	---	---	---	---	---	---
17	8.1	8.0	8.0	8.1	8.0	8.0	---	---	---	---	---	---
18	8.0	8.0	8.0	8.0	7.9	8.0	---	---	---	---	---	---
19	8.0	7.9	8.0	8.1	7.9	8.0	---	---	---	---	---	---
20	8.0	7.9	7.9	8.2	8.0	8.1	---	---	---	---	---	---
21	8.0	7.9	7.9	8.2	8.0	8.1	---	---	---	---	---	---
22	7.9	7.8	7.8	8.1	8.0	8.0	---	---	---	---	---	---
23	8.0	7.8	7.8	8.1	7.9	8.0	---	---	---	---	---	---
24	8.0	7.8	7.9	8.0	7.8	8.0	---	---	---	---	---	---
25	8.0	7.8	7.9	8.0	8.0	8.0	---	---	---	---	---	---
26	7.9	7.6	7.8	8.0	8.0	8.0	---	---	---	---	---	---
27	8.0	7.8	7.9	8.0	7.9	7.9	---	---	---	---	---	---
28	8.0	7.9	7.9	8.0	7.9	8.0	---	---	---	---	---	---
29	7.9	7.9	7.9	8.0	8.0	8.0	---	---	---	---	---	---
30	8.0	7.8	7.9	8.1	8.0	8.1	---	---	---	---	---	---
31	8.0	7.9	7.9	---	---	---	---	---	---	---	---	---
MONTH	8.1	7.6	7.9	8.2	7.7	8.0	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	7.3	6.8	7.0
2	---	---	---	---	---	---	---	---	---	7.2	6.7	6.9
3	---	---	---	---	---	---	---	---	---	7.2	6.7	7.0
4	---	---	---	---	---	---	---	---	---	7.2	6.8	7.0
5	---	---	---	---	---	---	---	---	---	7.5	4.7	6.8
6	---	---	---	---	---	---	---	---	---	7.7	7.1	7.4
7	---	---	---	---	---	---	---	---	---	7.8	7.3	7.5
8	---	---	---	---	---	---	---	---	---	7.4	7.2	7.3
9	---	---	---	---	---	---	---	---	---	7.6	7.1	7.3
10	---	---	---	---	---	---	---	---	---	7.9	7.3	7.6
11	---	---	---	---	---	---	---	---	---	7.9	7.5	7.6
12	---	---	---	---	---	---	---	---	---	7.7	7.4	7.5
13	---	---	---	---	---	---	---	---	---	8.4	7.1	7.8
14	---	---	---	---	---	---	---	---	---	7.9	7.6	7.7
15	---	---	---	---	---	---	---	---	---	8.3	7.6	7.9
16	---	---	---	---	---	---	---	---	---	8.6	8.1	8.3
17	---	---	---	---	---	---	---	---	---	8.8	8.0	8.4
18	---	---	---	---	---	---	---	---	---	8.9	8.3	8.5
19	---	---	---	---	---	---	---	---	---	8.4	7.9	8.1
20	---	---	---	---	---	---	---	---	---	8.2	7.8	8.0
21	---	---	---	---	---	---	---	---	---	8.1	7.7	7.9
22	---	---	---	---	---	---	---	---	---	7.8	7.7	7.7
23	---	---	---	---	---	---	---	---	---	7.8	7.5	7.7
24	---	---	---	---	---	---	---	---	---	8.1	7.7	7.9
25	---	---	---	---	---	---	---	---	---	8.1	7.8	7.9
26	---	---	---	---	---	---	---	---	---	8.1	7.8	7.9
27	---	---	---	---	---	---	---	---	---	7.9	7.7	7.8
28	---	---	---	---	---	---	7.6	7.2	7.4	8.0	7.6	7.8
29	---	---	---	---	---	---	7.2	6.9	7.0	8.0	7.7	7.8
30	---	---	---	---	---	---	7.2	6.7	7.0	7.9	7.7	7.8
31	---	---	---	---	---	---	---	---	---	7.9	7.6	7.8
MONTH	---	---	---	---	---	---	---	---	---	8.9	4.7	7.7

06893500 BLUE RIVER AT KANSAS CITY, MO—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—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	7.9	7.4	7.6	7.8	7.6	7.7	8.2	7.8	8.0	8.4	8.0	8.2
2	7.6	7.5	7.6	7.9	7.7	7.8	8.2	7.8	8.0	8.3	8.0	8.1
3	7.6	7.4	7.5	8.0	7.6	7.8	8.2	7.8	8.0	8.3	8.1	8.2
4	7.6	7.3	7.4	7.9	7.7	7.9	8.3	7.8	8.0	8.4	8.0	8.3
5	7.6	7.3	7.5	8.0	7.8	7.9	8.1	7.8	7.9	8.4	8.2	8.3
6	7.7	7.6	7.6	8.0	7.8	7.9	8.2	7.8	8.0	8.5	8.2	8.3
7	7.7	7.6	7.7	8.1	7.8	7.9	8.2	7.8	8.0	8.6	8.2	8.4
8	7.8	7.6	7.7	8.1	7.8	8.0	8.1	7.7	7.9	8.5	8.2	8.4
9	7.8	7.6	7.7	8.1	7.8	8.0	8.1	7.6	7.8	8.6	8.2	8.3
10	7.7	7.7	7.7	8.1	7.8	7.9	8.2	7.7	7.9	8.5	8.2	8.3
11	7.8	7.6	7.7	---	---	---	8.2	7.8	8.0	8.6	8.2	8.4
12	7.7	7.6	7.7	---	---	---	8.0	7.5	7.7	8.6	8.2	8.3
13	7.7	7.6	7.7	8.3	8.0	8.1	7.9	7.7	7.7	8.3	8.1	8.2
14	7.8	7.6	7.7	8.4	8.1	8.2	7.9	7.7	7.8	8.4	8.1	8.2
15	7.9	7.7	7.8	8.3	8.0	8.2	8.0	7.9	8.0	8.4	8.2	8.4
16	7.9	7.8	7.8	8.4	8.2	8.3	8.0	7.9	8.0	8.6	8.3	8.5
17	8.0	7.8	7.9	8.2	8.0	8.1	8.1	8.0	8.0	8.6	8.3	8.4
18	8.0	7.8	7.9	8.2	7.9	8.0	8.2	8.0	8.1	8.4	8.2	8.3
19	8.2	7.9	8.0	8.1	7.7	7.9	8.1	7.7	7.9	8.3	8.0	8.2
20	8.2	7.9	8.1	8.0	7.7	7.8	7.9	7.7	7.8	8.0	7.9	8.0
21	8.5	8.0	8.2	8.0	7.7	7.8	8.0	7.9	7.9	8.1	7.8	8.0
22	8.6	8.0	8.3	8.0	7.6	7.8	8.0	7.9	8.0	8.0	7.7	7.9
23	8.8	8.2	8.5	8.0	7.7	7.8	8.0	8.0	8.0	7.9	7.8	7.8
24	8.9	8.2	8.5	8.0	7.7	7.8	8.1	8.0	8.0	8.0	7.9	7.9
25	8.5	8.1	8.3	8.0	7.8	7.9	8.0	7.7	7.8	8.0	7.9	7.9
26	8.3	7.9	8.0	7.9	7.5	7.8	7.9	7.7	7.8	8.0	7.9	7.9
27	---	---	---	7.8	7.6	7.7	8.0	7.8	7.9	8.0	7.9	8.0
28	---	---	---	7.8	7.7	7.7	8.1	7.9	8.0	8.0	7.9	8.0
29	7.8	7.5	7.7	7.9	7.6	7.7	8.1	8.0	8.0	8.1	8.0	8.1
30	7.8	7.6	7.7	7.9	7.6	7.7	8.1	8.0	8.1	8.1	7.9	8.1
31	---	---	---	8.1	7.6	7.8	8.2	8.0	8.1	---	---	---
MONTH	---	---	---	---	---	---	8.3	7.5	7.9	8.6	7.7	8.2

06893500 BLUE RIVER AT KANSAS CITY, MO—Continued

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	809	772	786	675	483	558	861	750	824	---	---	---
2	799	764	778	524	495	511	869	842	852	---	---	---
3	790	766	783	537	397	499	895	867	882	---	---	---
4	814	787	804	453	375	398	891	863	877	---	---	---
5	821	800	814	536	396	463	1,223	612	892	---	---	---
6	830	802	815	598	536	569	643	411	474	---	---	---
7	813	305	631	651	598	627	589	492	557	---	---	---
8	462	303	401	682	651	667	646	589	619	---	---	---
9	490	419	456	710	681	695	683	646	671	---	---	---
10	562	490	526	761	508	710	724	681	703	---	---	---
11	712	562	621	575	423	507	745	722	733	---	---	---
12	704	520	568	471	414	439	758	745	752	---	---	---
13	540	498	515	570	471	523	776	754	763	---	---	---
14	572	540	561	628	570	601	790	772	780	---	---	---
15	623	571	596	674	628	649	---	---	---	---	---	---
16	655	623	642	713	674	689	---	---	---	---	---	---
17	695	654	674	728	707	713	---	---	---	---	---	---
18	711	689	700	777	728	740	---	---	---	---	---	---
19	732	711	720	778	724	752	---	---	---	---	---	---
20	761	732	750	760	732	746	---	---	---	---	---	---
21	778	750	766	749	716	731	---	---	---	---	---	---
22	782	762	776	770	746	757	---	---	---	---	---	---
23	807	777	798	779	760	771	---	---	---	---	---	---
24	818	802	810	840	501	623	---	---	---	---	---	---
25	829	809	820	838	696	764	---	---	---	---	---	---
26	915	537	728	784	527	625	---	---	---	---	---	---
27	599	515	556	577	437	488	---	---	---	---	---	---
28	606	573	595	566	453	511	---	---	---	---	---	---
29	619	602	611	631	566	600	---	---	---	---	---	---
30	637	605	621	752	631	695	---	---	---	---	---	---
31	659	629	644	---	---	---	---	---	---	---	---	---
MONTH	915	303	673	840	375	621	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	884	773	866
2	---	---	---	---	---	---	---	---	---	886	521	837
3	---	---	---	---	---	---	---	---	---	884	205	653
4	---	---	---	---	---	---	---	---	---	886	197	495
5	---	---	---	---	---	---	---	---	---	889	195	449
6	---	---	---	---	---	---	---	---	---	713	148	397
7	---	---	---	---	---	---	---	---	---	825	165	489
8	---	---	---	---	---	---	---	---	---	1,027	297	914
9	---	---	---	---	---	---	---	---	---	952	676	782
10	---	---	---	---	---	---	---	---	---	832	339	758
11	---	---	---	---	---	---	---	---	---	816	155	648
12	---	---	---	---	---	---	---	---	---	850	223	651
13	---	---	---	---	---	---	---	---	---	748	313	397
14	---	---	---	---	---	---	---	---	---	595	429	517
15	---	---	---	---	---	---	---	---	---	657	595	632
16	---	---	---	---	---	---	---	---	---	695	650	667
17	---	---	---	---	---	---	---	---	---	756	695	722
18	---	---	---	---	---	---	---	---	---	762	744	750
19	---	---	---	---	---	---	---	---	---	769	747	759
20	---	---	---	---	---	---	---	---	---	811	756	782
21	---	---	---	---	---	---	---	---	---	813	802	809
22	---	---	---	---	---	---	---	---	---	823	796	809
23	---	---	---	---	---	---	---	---	---	847	821	832
24	---	---	---	---	---	---	---	---	---	840	818	829
25	---	---	---	---	---	---	---	---	---	845	829	839
26	---	---	---	---	---	---	---	---	---	844	825	834
27	---	---	---	---	---	---	---	---	---	849	831	841
28	---	---	---	---	---	---	883	861	873	852	834	843
29	---	---	---	---	---	---	871	851	862	877	829	849
30	---	---	---	---	---	---	879	867	873	880	856	869
31	---	---	---	---	---	---	---	---	---	858	842	853
MONTH	---	---	---	---	---	---	---	---	---	1,027	148	722

06893500 BLUE RIVER AT KANSAS CITY, MO—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	852	384	493	601	521	571	836	800	823	823	640	728
2	499	434	471	659	575	613	857	830	848	692	622	665
3	525	371	452	699	376	645	874	853	866	671	646	658
4	401	176	251	455	331	383	886	867	878	712	647	677
5	498	376	456	634	455	527	900	886	895	750	712	731
6	590	498	545	687	634	661	905	892	899	770	746	754
7	640	589	615	712	684	699	957	901	914	813	690	766
8	648	430	632	750	708	727	929	557	736	813	791	801
9	559	368	407	778	747	758	605	531	567	816	791	805
10	486	436	464	796	778	788	762	605	693	835	798	817
11	488	350	399	---	---	---	790	762	783	841	823	833
12	462	309	381	---	---	---	785	336	592	857	815	834
13	370	315	355	806	781	794	365	246	308	852	824	843
14	493	357	429	814	784	798	461	341	399	864	828	848
15	566	493	533	814	786	805	604	461	541	859	376	519
16	616	566	593	824	802	815	671	604	645	506	394	442
17	655	614	638	861	817	846	710	670	690	583	506	553
18	681	655	668	887	845	865	728	702	718	696	523	596
19	711	678	695	869	618	792	708	346	458	625	477	575
20	731	708	722	719	621	695	420	222	329	598	512	552
21	745	714	733	706	672	691	554	420	494	610	574	588
22	772	745	762	719	702	709	635	554	597	700	609	651
23	783	762	769	773	719	743	700	635	679	704	275	399
24	807	751	780	831	773	811	714	668	688	480	422	448
25	759	676	727	848	809	830	714	233	353	546	480	514
26	739	690	722	863	403	757	419	215	327	601	546	581
27	---	---	---	458	339	414	510	346	439	596	590	594
28	---	---	---	552	458	507	586	509	553	648	591	612
29	751	707	728	645	552	595	636	585	611	658	648	655
30	749	590	686	747	645	696	664	631	649	670	649	661
31	---	---	---	803	747	788	719	657	690	---	---	---
MONTH	---	---	---	---	---	---	957	215	634	864	275	657

06893500 BLUE RIVER AT KANSAS CITY, MO—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	6.5	7.1	9.5	7.5	8.3	9.5	8.9	9.2	---	---	---
2	9.8	6.6	8.1	10.8	9.1	10.3	9.6	9.0	9.2	---	---	---
3	9.9	7.6	8.6	11.2	9.8	10.4	9.7	9.0	9.3	---	---	---
4	9.8	7.4	8.4	---	---	---	9.6	8.9	9.3	---	---	---
5	10.2	7.6	8.7	---	---	---	9.4	8.6	9.0	---	---	---
6	10.4	7.5	8.8	---	---	---	9.1	8.7	8.9	---	---	---
7	8.6	6.8	7.8	---	---	---	9.6	8.7	9.1	---	---	---
8	8.3	7.7	8.0	---	---	---	10.2	9.3	9.8	---	---	---
9	8.2	7.4	7.9	10.4	9.5	9.9	10.7	9.7	10.2	---	---	---
10	8.3	7.6	7.9	10.2	8.6	9.6	11.0	10.0	10.5	---	---	---
11	8.3	7.6	7.8	9.7	9.0	9.5	12.0	10.8	11.4	---	---	---
12	8.7	8.3	8.5	10.4	9.6	10.0	---	---	---	---	---	---
13	9.1	8.6	8.8	11.0	10.1	10.6	---	---	---	---	---	---
14	9.4	8.5	8.9	10.9	10.3	10.6	---	---	---	---	---	---
15	9.5	8.6	9.0	10.4	9.8	10.2	---	---	---	---	---	---
16	9.8	8.8	9.2	10.1	9.2	9.7	---	---	---	---	---	---
17	9.9	8.7	9.1	10.0	8.7	9.2	---	---	---	---	---	---
18	9.0	8.2	8.5	8.8	7.9	8.4	---	---	---	---	---	---
19	9.4	7.9	8.5	9.2	7.9	8.4	---	---	---	---	---	---
20	9.0	7.8	8.3	10.4	8.2	9.0	---	---	---	---	---	---
21	8.9	7.6	8.2	10.2	8.4	9.2	---	---	---	---	---	---
22	8.4	7.1	7.6	9.8	8.4	9.0	---	---	---	---	---	---
23	8.6	6.5	7.3	9.6	8.3	8.8	---	---	---	---	---	---
24	8.9	6.7	7.5	9.9	8.0	9.5	---	---	---	---	---	---
25	8.9	6.7	7.6	9.6	8.8	9.4	---	---	---	---	---	---
26	7.6	6.2	7.0	8.8	8.3	8.6	---	---	---	---	---	---
27	7.6	7.0	7.2	8.4	8.1	8.2	---	---	---	---	---	---
28	7.4	6.8	7.1	8.7	8.3	8.5	---	---	---	---	---	---
29	7.6	6.7	7.1	8.9	8.5	8.7	---	---	---	---	---	---
30	8.4	6.7	7.4	9.1	8.7	8.9	---	---	---	---	---	---
31	9.2	7.5	8.1	---	---	---	---	---	---	---	---	---
MONTH	10.4	6.2	8.1	---	---	---	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	9.8	7.4	8.3
2	---	---	---	---	---	---	---	---	---	9.8	7.2	8.2
3	---	---	---	---	---	---	---	---	---	10.4	7.2	8.8
4	---	---	---	---	---	---	---	---	---	10.0	7.0	8.8
5	---	---	---	---	---	---	---	---	---	9.9	7.3	9.1
6	---	---	---	---	---	---	---	---	---	9.4	8.5	9.0
7	---	---	---	---	---	---	---	---	---	8.8	8.3	8.6
8	---	---	---	---	---	---	---	---	---	8.6	5.6	6.6
9	---	---	---	---	---	---	---	---	---	7.6	5.6	6.4
10	---	---	---	---	---	---	---	---	---	8.2	5.3	6.6
11	---	---	---	---	---	---	---	---	---	8.3	5.0	7.0
12	---	---	---	---	---	---	---	---	---	8.6	4.9	7.2
13	---	---	---	---	---	---	---	---	---	8.4	6.0	7.7
14	---	---	---	---	---	---	---	---	---	7.7	1.2	3.2
15	---	---	---	---	---	---	---	---	---	4.0	1.2	2.2
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	10.2	6.7	8.1
26	---	---	---	---	---	---	---	---	---	10.0	6.7	8.1
27	---	---	---	---	---	---	---	---	---	8.7	6.8	7.7
28	---	---	---	---	---	---	8.0	7.0	7.5	10.1	7.2	8.3
29	---	---	---	---	---	---	8.5	7.3	7.8	9.9	7.1	8.2
30	---	---	---	---	---	---	9.0	7.8	8.3	9.9	6.8	8.2
31	---	---	---	---	---	---	---	---	---	10.3	6.9	8.4
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

06893500 BLUE RIVER AT KANSAS CITY, MO—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.2	7.0	7.8	7.1	6.1	6.6	9.6	5.8	7.4	9.7	6.6	7.5
2	8.1	7.3	7.7	7.9	5.7	6.6	8.9	5.5	7.0	9.2	6.6	7.7
3	8.0	7.0	7.5	6.3	1.3	4.9	9.5	5.4	7.2	9.5	6.7	7.9
4	8.3	6.7	7.7	1.3	0.8	1.1	9.7	4.9	7.0	9.7	6.4	7.8
5	7.5	7.0	7.3	2.2	1.3	1.7	---	---	---	10.2	6.3	7.9
6	7.6	6.6	7.2	---	---	---	---	---	---	10.2	6.2	7.9
7	7.2	6.5	6.8	---	---	---	---	---	---	11.6	6.2	8.4
8	7.4	6.0	6.8	---	---	---	---	---	---	10.8	5.9	8.0
9	7.2	5.8	6.8	---	---	---	---	---	---	11.1	6.0	8.2
10	7.1	6.8	6.9	---	---	---	---	---	---	10.7	5.8	7.9
11	7.6	6.3	7.0	---	---	---	---	---	---	10.7	5.7	7.8
12	7.3	4.8	6.6	---	---	---	---	---	---	10.3	5.6	7.6
13	7.3	5.8	6.8	9.5	5.6	7.3	---	---	---	7.4	5.5	6.3
14	7.5	6.9	7.3	9.6	5.5	7.3	---	---	---	8.6	5.3	6.7
15	7.6	6.9	7.3	9.3	5.4	7.0	---	---	---	8.3	6.5	7.7
16	7.7	6.8	7.2	9.3	5.3	7.1	---	---	---	8.4	7.8	8.1
17	8.0	6.7	7.3	9.0	5.3	6.9	---	---	---	8.8	7.6	8.0
18	9.1	6.9	7.8	8.2	5.4	6.6	---	---	---	8.0	7.0	7.5
19	10.4	6.9	8.4	8.2	5.5	6.5	---	---	---	7.8	6.4	7.1
20	11.2	6.7	8.8	8.3	5.8	6.9	---	---	---	7.4	6.2	6.7
21	12.8	7.0	9.3	8.1	5.2	6.4	---	---	---	7.9	6.1	6.8
22	12.4	6.4	9.1	7.8	5.0	6.3	---	---	---	7.6	6.0	6.6
23	14.5	6.0	9.7	8.1	4.7	6.3	---	---	---	7.7	6.0	7.2
24	16.3	5.8	9.9	8.1	4.9	6.3	---	---	---	7.2	6.5	7.0
25	12.3	5.6	8.6	7.8	5.2	6.3	---	---	---	7.0	6.2	6.6
26	9.8	4.8	7.0	7.1	5.1	6.1	---	---	---	6.9	5.9	6.4
27	---	---	---	7.6	6.6	7.2	---	---	---	7.5	6.5	7.0
28	---	---	---	7.9	6.2	6.9	---	---	---	7.3	6.8	7.0
29	7.8	4.5	5.9	8.1	6.0	6.9	---	---	---	8.4	7.2	7.8
30	6.4	4.8	5.5	8.5	4.8	6.6	---	---	---	8.7	7.5	8.0
31	---	---	---	8.7	4.9	6.6	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	11.6	5.3	7.4

06893500 BLUE RIVER AT KANSAS CITY, MO—Continued

TURBIDITY, WATER, UNFILTERED, NEPHELOMETRIC TURBIDITY UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	11	3.0	5.3	95	8.0	54	10	8.0	9.0	---	---	---
2	6.0	2.0	3.4	54	22	31	8.0	6.0	7.0	---	---	---
3	4.0	2.0	2.6	140	12	41	7.0	5.0	5.5	---	---	---
4	5.0	3.0	3.7	200	81	140	5.0	4.0	4.6	---	---	---
5	6.0	1.0	2.5	81	31	49	210	4.0	51	---	---	---
6	4.0	1.0	1.4	32	16	23	280	94	150	---	---	---
7	330	2.0	87	18	12	14	94	35	54	---	---	---
8	410	66	130	13	6.0	9.1	36	18	24	---	---	---
9	66	25	39	6.0	5.0	5.4	18	13	16	---	---	---
10	25	15	20	97	4.0	16	13	8.0	10	---	---	---
11	43	10	16	260	57	83	16	6.0	7.0	---	---	---
12	42	14	22	78	31	49	7.0	5.0	5.3	---	---	---
13	92	15	39	31	14	22	5.0	4.0	4.4	---	---	---
14	15	9.0	11	14	8.0	11	5.0	4.0	4.0	---	---	---
15	11	7.0	7.9	8.0	7.0	7.4	---	---	---	---	---	---
16	8.0	6.0	6.5	8.0	6.0	6.9	---	---	---	---	---	---
17	8.0	5.0	6.0	9.0	6.0	6.9	---	---	---	---	---	---
18	7.0	6.0	6.5	9.0	7.0	7.8	---	---	---	---	---	---
19	7.0	4.0	5.1	9.0	6.0	7.0	---	---	---	---	---	---
20	5.0	3.0	3.5	8.0	6.0	6.6	---	---	---	---	---	---
21	5.0	4.0	4.1	9.0	5.0	6.5	---	---	---	---	---	---
22	7.0	3.0	4.3	6.0	4.0	5.1	---	---	---	---	---	---
23	7.0	2.0	3.5	10	4.0	5.3	---	---	---	---	---	---
24	13	1.0	3.3	300	10	72	---	---	---	---	---	---
25	4.0	2.0	2.8	52	32	41	---	---	---	---	---	---
26	76	3.0	26	830	37	180	---	---	---	---	---	---
27	77	12	35	230	44	120	---	---	---	---	---	---
28	12	7.0	9.2	100	28	49	---	---	---	---	---	---
29	9.0	6.0	7.0	29	14	20	---	---	---	---	---	---
30	8.0	5.0	6.2	14	9.0	12	---	---	---	---	---	---
31	8.0	4.0	4.8	---	---	---	---	---	---	---	---	---
MONTH	410	1.0	17	830	4.0	37	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	12	7.0	8.8
2	---	---	---	---	---	---	---	---	---	17	8.0	10
3	---	---	---	---	---	---	---	---	---	13	10	11
4	---	---	---	---	---	---	---	---	---	14	10	12
5	---	---	---	---	---	---	---	---	---	52	11	16
6	---	---	---	---	---	---	---	---	---	18	12	14
7	---	---	---	---	---	---	---	---	---	16	11	13
8	---	---	---	---	---	---	---	---	---	56	8.0	16
9	---	---	---	---	---	---	---	---	---	24	6.0	12
10	---	---	---	---	---	---	---	---	---	24	7.0	8.2
11	---	---	---	---	---	---	---	---	---	10	7.0	8.6
12	---	---	---	---	---	---	---	---	---	72	8.0	11
13	---	---	---	---	---	---	---	---	---	1,000	72	450
14	---	---	---	---	---	---	---	---	---	400	95	170
15	---	---	---	---	---	---	---	---	---	200	55	90
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	12	5.0	7.5
26	---	---	---	---	---	---	---	---	---	22	5.0	8.1
27	---	---	---	---	---	---	---	---	---	31	6.0	10
28	---	---	---	---	---	---	11	7.0	8.0	35	6.0	10
29	---	---	---	---	---	---	10	7.0	8.1	37	5.0	8.7
30	---	---	---	---	---	---	8.0	6.0	7.0	14	5.0	8.1
31	---	---	---	---	---	---	---	---	---	35	5.0	9.5
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

06893500 BLUE RIVER AT KANSAS CITY, MO—Continued

TURBIDITY, WATER, UNFILTERED, NEPHELOMETRIC TURBIDITY UNITS—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	560	14	160	31	10	16	8.0	3.0	5.2	22	5.0	8.5
2	66	23	45	18	6.0	9.1	10	3.0	4.9	11	5.0	6.1
3	1,400	18	230	1,200	5.0	100	8.0	3.0	4.8	6.0	4.0	4.9
4	1,400	150	520	1,200	48	290	16	3.0	5.0	6.0	3.0	4.5
5	280	92	160	48	14	25	6.0	4.0	4.7	7.0	3.0	3.9
6	210	40	80	18	7.0	12	8.0	3.0	4.8	6.0	3.0	3.8
7	76	25	39	17	6.0	9.5	120	3.0	10	7.0	3.0	4.0
8	640	20	71	11	5.0	7.6	20	9.0	12	9.0	3.0	4.2
9	620	72	200	11	5.0	7.0	14	4.0	7.9	---	---	---
10	84	50	64	11	4.0	6.1	9.0	3.0	5.5	---	---	---
11	430	55	200	---	---	---	7.0	3.0	4.8	20	3.0	4.6
12	870	120	230	---	---	---	1,300	5.0	160	7.0	3.0	4.0
13	370	180	240	11	5.0	6.9	1,200	180	390	9.0	3.0	4.2
14	210	49	90	9.0	5.0	6.9	560	52	120	9.0	3.0	4.3
15	68	24	32	21	4.0	7.5	55	16	26	340	4.0	120
16	39	18	23	27	4.0	9.0	31	9.0	14	84	11	31
17	20	13	17	13	4.0	6.9	17	7.0	10	11	7.0	8.4
18	16	10	13	15	7.0	8.5	27	8.0	10	110	7.0	30
19	17	6.0	9.9	62	6.0	15	1,300	11	360	49	8.0	16
20	10	5.0	7.1	22	7.0	9.2	1,200	170	440	23	7.0	11
21	10	4.0	6.7	10	5.0	6.1	170	33	79	11	5.0	7.0
22	38	4.0	6.1	8.0	5.0	6.1	33	17	26	17	4.0	6.1
23	10	4.0	5.2	18	5.0	7.0	20	12	16	850	6.0	210
24	8.0	4.0	5.7	15	5.0	6.6	20	10	13	250	41	72
25	8.0	4.0	5.5	19	6.0	12	1,200	16	390	41	15	26
26	14	5.0	6.8	320	6.0	66	1,200	75	310	22	11	15
27	---	---	---	240	22	65	150	31	66	14	10	11
28	---	---	---	33	9.0	14	94	17	27	12	8.0	9.8
29	8.0	4.0	5.9	32	6.0	9.7	27	12	16	14	5.0	6.3
30	70	4.0	16	19	5.0	7.1	14	8.0	11	8.0	5.0	5.9
31	---	---	---	20	4.0	6.8	11	6.0	8.1	---	---	---
MONTH	---	---	---	---	---	---	1,300	3.0	83	---	---	---

06893557 BRUSH CREEK AT WARD PARKWAY IN KANSAS CITY, MO

LOCATION.--Lat 39°01'59", long 94°36'19", in NW ¼ NW ¼ sec.31, T.49 N., R.33 W. in Jackson County, Hydrologic Unit 10300101, on the downstream side of the right wingwall on Ward Parkway at Shawnee Mission Parkway in Kansas City and 5.4 mi upstream from the Blue River.

DRAINAGE AREA.--12.2 mi^2.

PERIOD OF RECORD--July 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is 800.00 ft above National Geodetic Vertical Datum of 1929 (from levels by the U.S. Geological Survey).

REMARKS.--Records fair except for estimated daily discharges, which are poor. U.S.G.S. 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	0.56	17	1.8	0.92	1.6	1.1	0.53	1.1	49	2.1	1.0	7.4
2	0.56	1.1	1.3	2.3	1.2	1.1	0.47	1.1	1.2	0.74	1.1	2.0
3	0.48	23	1.1	105	0.95	12	0.58	1.1	51	27	0.98	1.3
4	0.48	8.7	1.1	86	0.92	2.5	0.70	1.2	282	16	0.51	1.0
5	0.44	1.1	33	36	0.96	1.2	0.68	1.2	33	1.4	0.27	1.0
6	0.58	0.81	4.1	4.8	37	3.7	13	1.3	3.5	0.87	0.31	1.1
7	76	0.69	3.1	3.1	16	16	0.81	1.3	2.2	0.66	0.41	1.2
8	5.0	0.95	1.4	2.4	3.7	1.4	0.57	12	46	0.62	0.81	1.1
9	1.1	0.56	1.3	11	5.3	1.2	0.40	1.3	22	0.57	0.47	0.92
10	0.72	21	1.1	5.6	3.3	1.0	0.84	0.78	6.3	0.69	0.36	0.82
11	5.0	2.7	1.1	3.7	3.3	0.96	58	0.65	53	0.66	0.31	0.70
12	4.4	0.79	1.1	16	30	0.85	14	14	66	0.58	84	0.95
13	1.6	0.66	1.3	4.7	123	0.85	3.1	130	36	0.59	315	1.2
14	0.68	0.64	1.2	2.2	15	0.84	2.1	3.1	5.8	0.84	25	2.6
15	0.57	0.64	0.96	1.9	6.4	0.65	0.99	1.4	2.5	0.71	3.0	73
16	0.55	0.61	0.92	1.6	3.5	0.86	0.81	1.2	1.8	0.46	1.8	2.6
17	0.53	0.52	0.92	1.5	3.0	0.66	e0.80	1.1	1.5	0.48	1.5	1.2
18	0.48	2.3	0.91	1.4	2.2	0.55	e0.82	0.99	1.3	1.5	6.6	31
19	0.47	1.5	0.79	1.7	5.2	0.51	0.83	0.95	1.1	6.1	87	22
20	0.52	0.55	0.73	1.8	4.3	0.55	0.94	0.71	0.95	0.86	355	2.5
21	0.71	0.32	0.82	1.6	2.0	1.3	1.0	0.62	0.90	0.91	5.6	1.2
22	0.60	0.32	0.84	1.2	1.5	13	1.8	0.56	0.79	0.71	14	1.1
23	0.53	1.3	0.57	0.94	1.4	2.5	1.3	0.51	0.75	0.60	3.7	208
24	0.63	29	0.50	1.1	1.3	3.4	1.3	0.57	0.70	0.53	7.1	8.0
25	0.61	10	0.56	1.2	1.2	3.1	7.4	0.53	0.72	0.58	63	3.0
26	13	14	0.64	1.2	1.3	0.85	2.1	0.45	0.71	58	170	11
27	1.1	25	0.64	1.2	2.0	0.67	0.71	0.81	0.77	3.5	13	1.9
28	9.7	2.6	0.72	0.88	2.5	0.61	0.78	0.98	4.6	0.85	4.0	2.3
29	0.73	1.8	0.74	3.0	---	0.60	0.80	0.49	0.72	0.92	4.2	1.5
30	0.53	3.9	0.79	1.5	---	0.53	1.0	0.94	33	0.91	2.2	1.0
31	0.93	---	0.83	4.2	---	0.67	---	15	---	0.98	1.9	---
MEAN	4.19	5.80	2.16	10.1	10.0	2.44	3.97	6.39	23.7	4.26	37.9	13.2
MAX	76	29	33	105	123	16	58	130	282	58	355	208
MIN	0.44	0.32	0.50	0.88	0.92	0.51	0.40	0.45	0.70	0.46	0.27	0.70
IN.	0.40	0.53	0.20	0.95	0.85	0.23	0.36	0.60	2.16	0.40	3.58	1.20

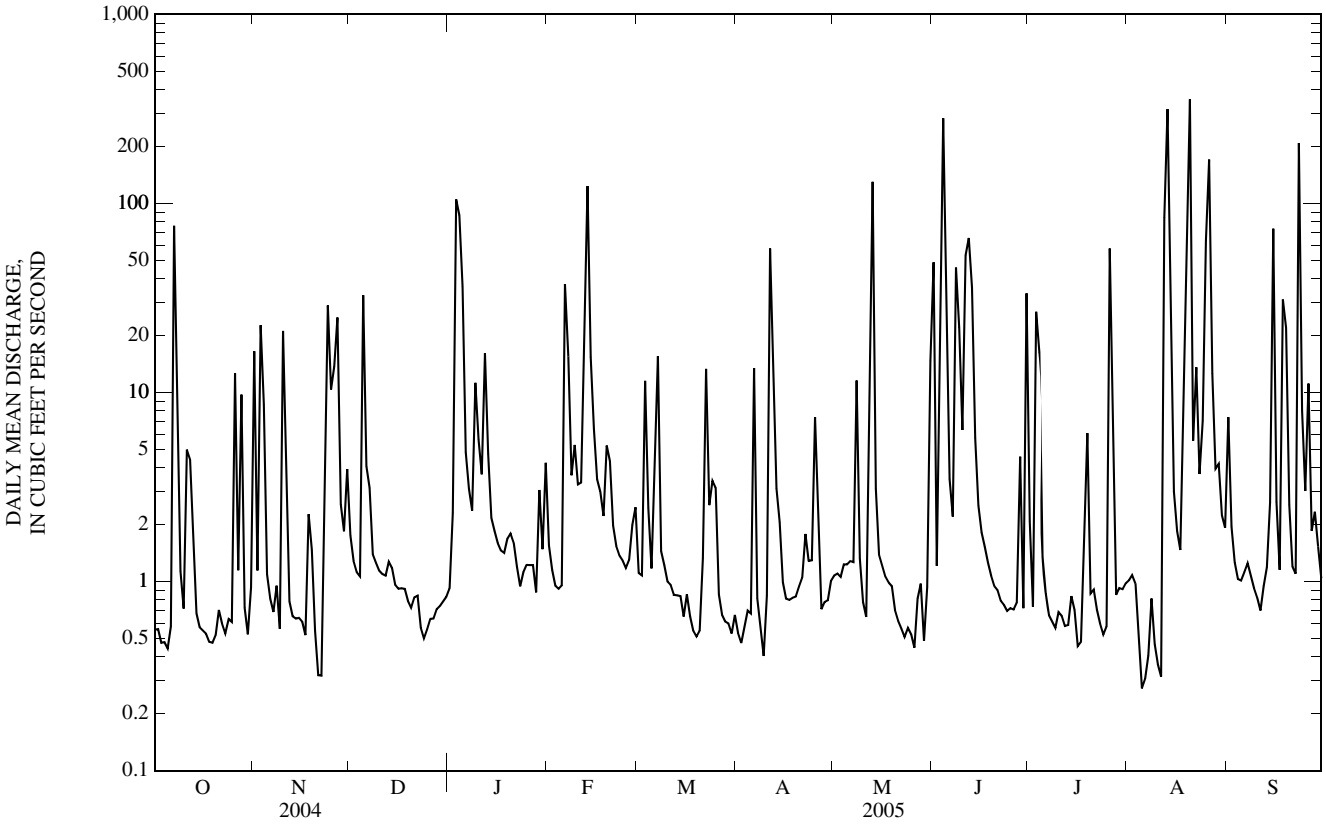
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2005, BY WATER YEAR (WY)

MEAN	18.1	7.00	3.72	4.46	7.03	7.95	15.2	15.6	22.1	7.98	16.4	8.57
MAX	87.6	25.5	8.84	10.1	20.6	18.8	41.8	23.2	55.0	23.6	37.9	15.0
(WY)	(1999)	(1999)	(1999)	(2005)	(2001)	(2004)	(1999)	(1999)	(2001)	(2004)	(2005)	(1999)
MIN	1.64	1.67	0.48	0.41	2.50	2.44	1.15	5.17	4.82	0.85	3.46	1.80
(WY)	(2000)	(2003)	(2001)	(2000)	(2004)	(2005)	(2000)	(2003)	(2002)	(2003)	(1999)	(2002)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1998 - 2005	
ANNUAL MEAN	10.9		10.3		11.3	
HIGHEST ANNUAL MEAN					21.3	1999
LOWEST ANNUAL MEAN					6.59	2000
HIGHEST DAILY MEAN	603	Aug 27	355	Aug 20	1,520	Oct 4, 1998
LOWEST DAILY MEAN	0.25	May 9	0.27	Aug 5	0.00	1998,Jan 1-8,2002
ANNUAL SEVEN-DAY MINIMUM	0.33	Aug 12	0.42	Aug 5	0.00	Jul 15,1998,Jan 1,2002
MAXIMUM PEAK FLOW	---		4,920	Aug 20	Unknown	Oct 4, 1998
MAXIMUM PEAK STAGE	---		44.37	Aug 20	50.90[a]	Oct 4, 1998
INSTANTANEOUS LOW FLOW	---		0.22	Mar 30,Aug 5-7,11	0.00	1998,Jan 1-8,2002
ANNUAL RUNOFF (INCHES)	12.15		11.48		12.60	
10 PERCENT EXCEEDS	15		21		21	
50 PERCENT EXCEEDS	0.85		1.2		1.1	
90 PERCENT EXCEEDS	0.44		0.56		0.38	

e Estimated
[a] From floodmark.

06893557 BRUSH CREEK AT WARD PARKWAY IN KANSAS CITY, MO—Continued



06893562 BRUSH CREEK AT ROCKHILL ROAD IN KANSAS CITY, MO

LOCATION.--Lat 39°02'21", long 94°34'43", in NW ¼ SE ¼ sec.29, T.49 N., R.33 W., Jackson County, Hydrologic Unit 10300101, on the left upstream Rockhill Road bridge abutment and 3.7 mi upstream from the Blue River.

DRAINAGE AREA.--17.0 mi^2.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 799.70 ft above National Geodetic Vertical Datum of 1929 (levels by the U.S. Geological Survey).

REMARKS.--Water-discharge records fair except for estimated daily discharges, which are poor. U.S.G.S 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	0.08	14	1.1	0.08	1.5	1.4	0.05	0.06	77	6.4	0.48	12
2	0.14	0.25	0.80	0.18	1.2	2.1	1.0	0.05	3.2	2.8	0.00	5.0
3	0.14	27	0.36	151	0.78	17	1.8	0.43	61	36	0.00	5.6
4	0.12	11	1.5	123	1.1	2.9	1.1	0.99	499	27	0.00	3.6
5	0.13	1.8	34	61	1.7	1.5	0.09	0.51	45	1.9	0.00	3.7
6	0.12	3.4	7.1	e7.2	56	3.9	14	1.5	5.4	0.81	0.00	1.2
7	114	2.6	1.9	e2.2	17	22	0.00	0.81	4.0	0.36	0.00	3.3
8	7.5	2.0	0.00	2.5	0.15	0.15	1.0	11	92	0.31	0.00	1.6
9	0.96	0.42	0.00	15	2.4	3.9	0.26	2.3	35	0.21	0.00	3.3
10	0.52	24	0.00	6.7	2.7	2.6	1.8	1.7	16	0.17	0.00	2.6
11	6.1	2.5	0.00	3.0	2.8	2.5	70	1.1	76	0.14	0.00	1.9
12	6.5	0.70	0.00	22	45	3.5	11	28	93	0.43	125	0.42
13	1.9	0.49	0.01	3.6	179	1.4	1.6	194	55	0.25	444	0.54
14	0.87	0.52	0.37	0.38	28	1.4	1.5	1.7	8.1	0.36	34	0.55
15	0.79	0.56	0.12	0.28	12	0.89	0.52	1.7	3.8	0.65	2.7	98
16	1.3	0.52	1.2	0.35	2.8	2.8	0.54	3.4	2.7	0.46	1.3	1.9
17	1.9	1.7	1.3	0.23	3.2	1.5	0.71	4.1	2.2	0.11	0.78	0.27
18	0.91	3.0	1.0	e0.29	2.5	1.6	0.07	1.9	2.0	2.1	10	35
19	0.28	1.4	0.31	e0.34	2.4	0.35	0.07	5.8	2.0	0.48	e129	20
20	0.20	1.3	0.99	e0.38	10	1.0	0.31	4.2	2.2	0.00	e460	1.3
21	0.76	0.45	e0.10	e0.36	0.25	0.15	1.6	2.7	2.8	0.00	e6.0	0.26
22	5.3	0.39	e0.10	e0.25	0.42	9.0	0.03	3.0	2.1	0.00	e18	0.29
23	3.9	2.0	e0.08	0.68	0.15	0.12	0.09	2.0	1.3	0.00	0.99	276
24	2.1	29	e0.13	1.5	1.7	0.47	0.21	2.1	1.6	0.00	8.6	9.0
25	2.1	9.6	e0.27	1.7	1.2	0.13	5.5	3.2	1.8	0.00	68	2.4
26	21	19	0.24	2.5	2.3	0.01	0.63	2.9	1.9	80	247	12
27	1.3	25	0.21	1.2	0.82	0.63	0.11	0.14	0.06	6.1	16	1.8
28	16	0.18	1.0	1.0	0.08	0.57	0.04	5.0	0.00	0.58	6.7	0.96
29	4.8	0.14	1.0	5.2	---	0.83	0.01	5.4	0.00	0.71	7.4	1.7
30	0.81	0.32	2.1	1.8	---	0.09	0.15	2.4	66	0.82	7.3	2.3
31	1.1	---	2.6	5.3	---	0.03	---	18	---	0.85	6.3	---
MEAN	6.57	6.17	1.93	13.6	13.5	2.79	3.86	10.1	38.7	5.48	51.6	16.9
MAX	114	29	34	151	179	22	70	194	499	80	460	276
MIN	0.08	0.14	0.00	0.08	0.08	0.01	0.00	0.05	0.00	0.00	0.00	0.26
IN.	0.45	0.41	0.13	0.92	0.83	0.19	0.25	0.68	2.54	0.37	3.50	1.11

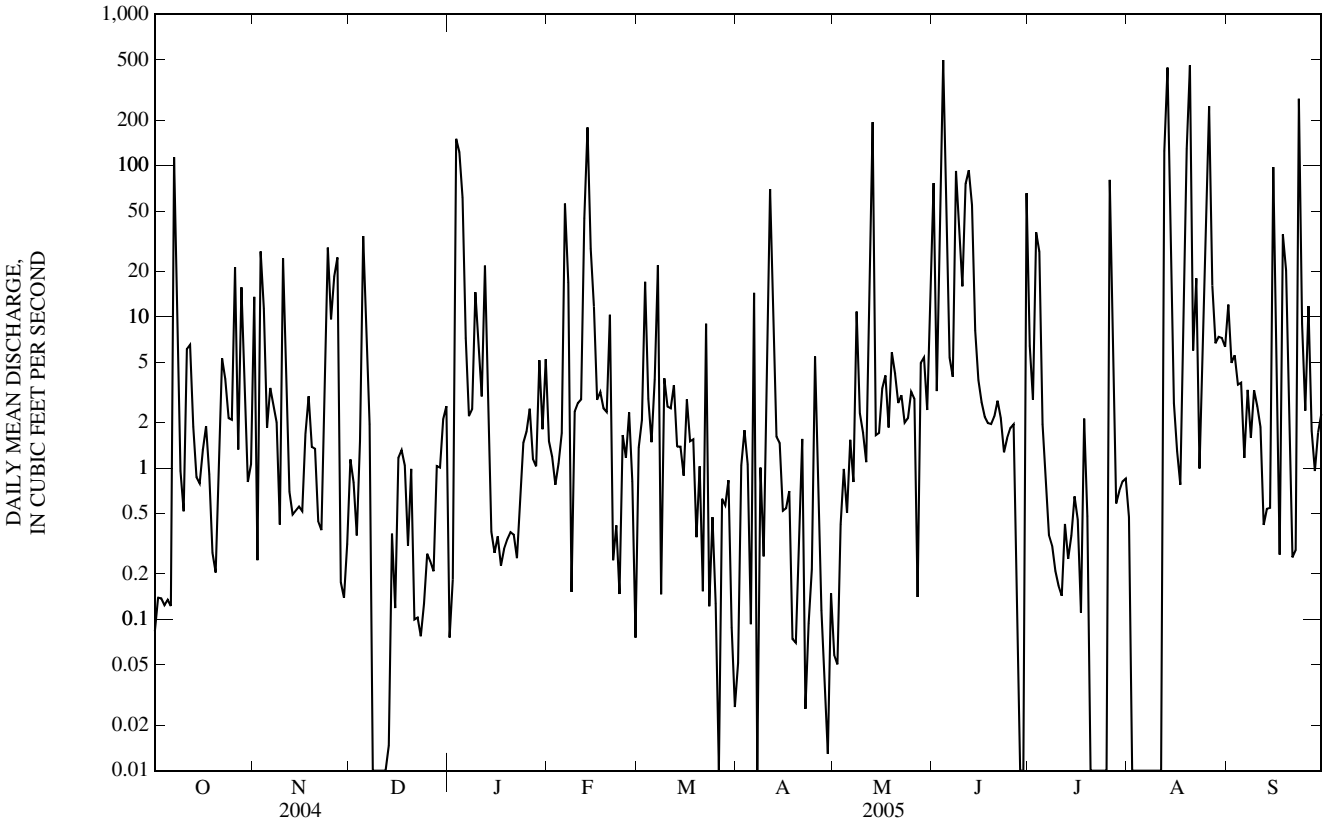
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2005, BY WATER YEAR (WY)

MEAN	28.3	9.95	4.77	6.02	8.10	10.7	21.8	20.5	32.0	11.4	22.9	13.5
MAX	145	41.4	10.9	13.6	18.0	28.1	69.1	37.4	73.8	38.5	51.6	39.8
(WY)	(1999)	(1999)	(1999)	(2005)	(2001)	(2004)	(1999)	(2004)	(2001)	(2004)	(2005)	(1998)
MIN	1.42	2.93	0.76	0.61	1.16	2.79	2.65	7.70	6.51	0.99	5.34	1.88
(WY)	(2004)	(2004)	(2001)	(2004)	(2004)	(2005)	(2000)	(2003)	(2002)	(2003)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1998 - 2005	
ANNUAL MEAN	16.4		14.3		15.7	
HIGHEST ANNUAL MEAN					32.9	1999
LOWEST ANNUAL MEAN					9.41	2003
HIGHEST DAILY MEAN	872	Aug 27	499	Jun 4	2,540	Oct 4, 1998
LOWEST DAILY MEAN	0.00	Jan 20,22,24	0.00	Many Days	0.00	Most Years
ANNUAL SEVEN-DAY MINIMUM	0.02	Jan 18	0.00	Aug 2	0.00	At Times
MAXIMUM PEAK FLOW	---		3,920	Aug 13	21,700[a]	Oct 4, 1998
MAXIMUM PEAK STAGE	---		10.10[b]	Aug 13	21.71[c]	Oct 4, 1998
INSTANTANEOUS LOW FLOW	---		0.00	Many Days	0.00	Most Years
ANNUAL RUNOFF (INCHES)	13.15		11.39		12.54	
10 PERCENT EXCEEDS	22		27		24	
50 PERCENT EXCEEDS	0.76		1.5		2.3	
90 PERCENT EXCEEDS	0.08		0.08		0.21	

e Estimated
[a] Discharge determined by indirect measurement of peak flow.
[b] Maximum recorded, may have been higher during estimated record, Aug. 20.
[c] From floodmark.

06893562 BRUSH CREEK AT ROCKHILL ROAD IN KANSAS CITY, MO—Continued



06893562 BRUSH CREEK AT ROCKHILL ROAD IN KANSAS CITY, MO--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: August to December 1998, May to November 1999, April to December 2000, June to December 2001, April to December 2002, April to December 2003, April 2004 to December 2004, April 2005 to present.
pH: July to December 1998, May to November 1999, April to December 2000, June to December 2001, April to December 2002, April to December 2003, April to December 2004, April 2005 to present.
WATER TEMPERATURE: July to December 1998, May to November 1999, April to December 2000, June to December 2001, April to December 2002, April to December 2003, April to December 2004, April 2005 to present.
WATER TEMPERATURE FROM PRESSURE TRANSDUCER: July 1998 to May 2002 (discontinued).
DISSOLVED OXYGEN: July to December 1998, May to November 1999, April to December 2000, June to December 2001, April to December 2002, April to December 2003, April to December 2004, April 2005 to present.
TURBIDITY: July to December 1998, May to November 1999, April to December 2000, June to December 2001, April to December 2002, April to December 2003, April to December 2004, April 2005 to present.

INSTRUMENTATION.--Multi-parameter water-quality monitor operated seasonally since August 1998. Pressure transducer with temperature sensor operated October 1999 to May 2002. U.S.G.S. satellite telemeter at station.

REMARKS.--Interruptions in the record are generally due to malfunction or fouling of the sensors. Detailed records of the procedures employed for specific periods of record have been included with the station analysis and are kept on file. The manufacturers' specified range for turbidity sensors used is 0 to 1,000 NTU. All values beyond this limit may be considered as >1,000 NTU. Values >1,000 NTU are maintained for continuity of the record. Specific Conductance record excellent except August 14-17, September 15, which are good; August 13, which is fair. pH record excellent except November 30 to December 6, May 24-27, June 1-7, July 5-8, 9-12, September 15-29, which are good; May 23, 28-31, June 8, July 2-4, which are fair; July 1, which is poor. Water temperature record excellent. Dissolved oxygen record excellent except November 3, 18-19, November 30 to December 6, May 17-19, June 13, July 1, 9-10, which are good; October 1, November 20-21, 23-27, May 20-22, June 14, July 11-14, September 15, which are fair; November 22, May 23, June 15-17, July 15-18, which are poor. Turbidity record excellent except November 4-10, November 30 to December 6, September 11, which are good; May 13-15, July 16-17, September 12-15, which are poor.

EXTREMES FOR PERIOD OF RECORD.—
SPECIFIC CONDUCTANCE: Maximum, 1,730 microsiemens, December 5, 2004; minimum 84 microsiemens, August 25, 2001.
pH: Maximum 10.9 standard units, July 30, 2005; minimum 5.5 standard units, November 6, 2000.
WATER TEMPERATURE: Maximum 36.5 °C, August 31, 2000; minimum 0.5 °C, December 11, 2003.
WATER TEMPERATURE FROM PRESSURE TRANSDUCER: Maximum 31.5 °C, August 3, 2001; minimum –1.9 °C, March 14, 1999.
DISSOLVED OXYGEN: Maximum 30.0 mg/L, June 25, 2004; minimum 0.0 mg/L, on several days May–August, 1999, July 23, 2002, November 27, 2003, September 7, 2004, November 23, 2004.
TURBIDITY: Maximum 2,300 NTU, September 13, 1998; minimum 0.0 NTU on numerous days August, 1998, May–November, 1999, June–September, 2000, September–November, 2001, July–September, 2002, November 11, 2003, June 3, 5, July 10, August 3, 6-9, 31, September 1, 14-15, October 23-26, 2004, May 24-26, June 7-8, September 27-28, 2005.

EXTREMES FOR CURRENT YEAR.—
SPECIFIC CONDUCTANCE: Maximum 1,730 microsiemens, December 5; minimum 103 microsiemens, June 4.
pH: Maximum 10.9 standard units, July 30; minimum 6.6 standard units, July 2, 28.
WATER TEMPERATURE: Maximum 32.4 °C, July 16; minimum 2.8 °C, December 1, 3.
DISSOLVED OXYGEN: Maximum 27.0 mg/L, May 4; minimum 0.0 mg/L, November 23.
TURBIDITY: Maximum 490 NTU, August 13; minimum 0.0 NTU, October 23-26, May 24-26, June 7-8, September 27-28.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	20.0	18.5	19.5	16.3	15.3	15.8	5.8	2.8	4.6	---	---	---
2	19.2	16.9	17.9	15.4	13.8	14.5	5.3	3.7	4.9	---	---	---
3	18.8	16.3	17.5	13.8	11.7	12.9	5.2	2.8	4.5	---	---	---
4	18.6	16.7	17.4	12.9	10.7	11.5	5.5	3.9	4.8	---	---	---
5	18.0	16.0	16.9	12.3	10.3	11.2	6.7	4.2	5.2	---	---	---
6	17.3	15.9	16.6	14.3	10.9	12.2	9.1	6.6	7.9	---	---	---
7	18.2	16.1	17.1	14.4	11.5	12.3	---	---	---	---	---	---
8	22.5	18.1	19.4	12.9	11.1	11.8	---	---	---	---	---	---
9	20.2	18.3	19.2	13.2	11.3	11.9	---	---	---	---	---	---
10	19.0	18.0	18.5	13.2	11.0	11.8	---	---	---	---	---	---
11	18.0	15.9	17.1	12.6	10.9	11.8	---	---	---	---	---	---
12	16.0	14.9	15.6	11.5	9.8	10.4	---	---	---	---	---	---
13	15.9	14.3	15.0	10.0	8.9	9.4	---	---	---	---	---	---
14	15.0	13.9	14.4	9.0	8.3	8.7	---	---	---	---	---	---
15	14.0	13.0	13.5	9.7	8.7	9.2	---	---	---	---	---	---
16	13.5	11.7	12.8	12.5	9.4	10.7	---	---	---	---	---	---
17	13.8	12.4	13.2	15.9	11.5	13.3	---	---	---	---	---	---
18	13.6	13.3	13.5	13.5	11.9	12.6	---	---	---	---	---	---
19	13.7	13.4	13.6	12.7	11.9	12.3	---	---	---	---	---	---
20	13.6	13.3	13.4	12.9	11.4	11.9	---	---	---	---	---	---
21	14.2	13.3	13.6	11.5	10.3	10.8	---	---	---	---	---	---
22	17.8	14.2	15.7	10.3	10.1	10.2	---	---	---	---	---	---
23	17.1	15.8	16.5	10.3	9.4	10.1	---	---	---	---	---	---
24	16.8	15.5	16.1	9.4	3.3	6.6	---	---	---	---	---	---
25	17.0	15.5	16.1	6.6	3.3	4.8	---	---	---	---	---	---
26	17.8	16.3	16.9	8.3	4.4	6.0	---	---	---	---	---	---
27	17.3	17.0	17.1	9.2	6.8	8.3	---	---	---	---	---	---
28	20.0	17.0	18.1	7.7	6.6	7.1	---	---	---	---	---	---
29	20.1	18.4	19.1	6.6	5.9	6.4	---	---	---	---	---	---
30	18.8	16.7	17.4	6.1	4.7	5.3	---	---	---	---	---	---
31	16.7	15.6	16.1	---	---	---	---	---	---	---	---	---
MONTH	22.5	11.7	16.3	16.3	3.3	10.4	---	---	---	---	---	---

06893562 BRUSH CREEK AT ROCKHILL ROAD IN KANSAS CITY, MO—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	---	---	---	---	---	---	---	---	---	14.3	12.3	13.2
2	---	---	---	---	---	---	---	---	---	14.5	12.5	13.5
3	---	---	---	---	---	---	---	---	---	16.2	12.9	14.5
4	---	---	---	---	---	---	---	---	---	18.8	13.9	16.0
5	---	---	---	---	---	---	---	---	---	19.9	15.2	17.3
6	---	---	---	---	---	---	---	---	---	22.9	16.9	19.5
7	---	---	---	---	---	---	---	---	---	22.2	18.8	20.1
8	---	---	---	---	---	---	---	---	---	20.9	19.5	20.1
9	---	---	---	---	---	---	---	---	---	22.4	18.8	20.6
10	---	---	---	---	---	---	---	---	---	26.2	21.0	23.2
11	---	---	---	---	---	---	---	---	---	24.9	22.3	23.8
12	---	---	---	---	---	---	---	---	---	24.1	20.1	22.0
13	---	---	---	---	---	---	---	---	---	20.8	17.0	17.9
14	---	---	---	---	---	---	---	---	---	20.4	17.0	18.6
15	---	---	---	---	---	---	---	---	---	21.7	17.6	19.6
16	---	---	---	---	---	---	---	---	---	21.1	18.1	19.7
17	---	---	---	---	---	---	---	---	---	21.6	18.9	20.3
18	---	---	---	---	---	---	---	---	---	21.3	19.9	20.6
19	---	---	---	---	---	---	---	---	---	24.2	19.9	22.0
20	---	---	---	---	---	---	---	---	---	27.8	22.4	24.4
21	---	---	---	---	---	---	23.4	19.8	20.9	25.0	22.0	23.6
22	---	---	---	---	---	---	20.8	17.6	19.1	27.4	23.3	25.1
23	---	---	---	---	---	---	17.7	15.7	16.8	28.2	23.6	25.6
24	---	---	---	---	---	---	18.9	14.5	16.3	25.7	23.7	24.3
25	---	---	---	---	---	---	16.5	13.9	15.0	26.1	22.8	24.2
26	---	---	---	---	---	---	14.6	13.2	14.0	25.6	22.3	23.9
27	---	---	---	---	---	---	14.8	12.6	13.8	24.0	21.0	22.4
28	---	---	---	---	---	---	14.6	13.5	13.9	25.0	20.1	22.2
29	---	---	---	---	---	---	13.5	12.2	12.8	26.3	21.3	23.3
30	---	---	---	---	---	---	13.8	11.4	12.7	23.9	21.6	22.6
31	---	---	---	---	---	---	---	---	---	24.3	21.4	22.8
MONTH	---	---	---	---	---	---	---	---	---	28.2	12.3	20.9
		JUNE			JULY			AUGUST			SEPTEMBER	
1	23.7	20.0	21.3	27.3	22.4	24.5	---	---	---	26.8	25.1	25.8
2	23.4	20.1	21.8	26.7	23.7	25.2	---	---	---	26.6	24.5	25.5
3	22.3	19.7	20.7	26.3	24.4	25.2	---	---	---	27.6	24.6	26.1
4	22.7	18.2	19.9	27.4	23.0	24.7	---	---	---	28.2	25.3	26.6
5	23.1	19.7	21.4	26.5	23.7	25.1	---	---	---	27.4	25.4	26.5
6	27.3	21.5	23.9	27.5	24.2	25.8	---	---	---	27.7	25.2	26.4
7	27.5	24.0	25.6	28.3	25.2	26.7	---	---	---	28.3	25.3	26.5
8	29.4	22.2	26.1	30.2	25.9	27.8	---	---	---	27.2	25.8	26.4
9	24.7	21.4	22.9	30.6	26.9	28.7	---	---	---	28.2	25.3	26.6
10	25.4	22.6	23.9	29.8	27.6	28.8	---	---	---	28.0	25.4	26.6
11	24.1	21.2	22.5	29.9	27.6	28.8	---	---	---	27.4	25.4	26.4
12	26.4	22.2	23.7	30.3	27.6	28.9	---	---	---	26.8	25.5	26.2
13	23.9	20.8	22.0	31.5	27.8	29.1	25.8	23.0	23.9	25.9	24.7	25.2
14	24.6	21.4	23.0	30.1	27.8	29.1	23.3	21.8	22.3	24.7	23.4	24.0
15	25.8	22.8	24.3	30.7	28.1	29.3	22.4	21.9	22.1	23.4	17.8	19.2
16	27.2	23.8	25.5	32.4	28.4	30.2	24.7	22.1	23.2	21.4	17.5	19.2
17	27.1	24.7	25.9	31.7	28.6	30.1	26.7	23.7	24.8	21.3	18.7	19.9
18	27.3	24.8	26.0	31.1	27.9	29.6	28.1	24.8	26.5	23.2	20.0	21.5
19	27.8	24.7	26.2	---	---	---	---	---	---	25.9	21.9	23.6
20	28.5	25.2	26.9	---	---	---	---	---	---	27.6	24.1	25.7
21	29.7	25.8	27.6	---	---	---	---	---	---	27.2	24.6	25.8
22	31.5	26.8	28.8	---	---	---	---	---	---	27.8	25.0	26.1
23	31.3	27.4	29.2	---	---	---	25.2	23.6	24.4	25.9	20.6	21.9
24	31.6	27.4	29.3	---	---	---	24.2	22.4	23.4	24.1	21.5	22.7
25	31.4	27.7	29.5	---	---	---	24.0	22.7	23.3	26.5	22.8	24.3
26	32.0	28.1	29.7	---	---	---	24.7	21.8	23.4	25.1	23.0	24.0
27	---	---	---	28.6	21.9	24.6	28.6	23.7	25.7	24.9	22.2	23.3
28	---	---	---	27.9	22.9	25.1	28.8	24.4	26.1	22.9	20.1	21.7
29	---	---	---	27.9	24.3	26.2	28.0	24.5	26.0	21.0	18.1	19.5
30	---	---	---	29.0	25.5	27.2	27.8	25.2	26.3	20.5	17.8	18.9
31	---	---	---	29.6	26.2	27.8	27.7	25.3	26.5	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	28.3	17.5	24.1

06893562 BRUSH CREEK AT ROCKHILL ROAD IN KANSAS CITY, MO—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.7	7.8	8.2	7.7	7.4	7.5	7.6	7.4	7.4	---	---	---
2	9.1	7.7	8.2	7.6	7.5	7.5	7.5	7.4	7.5	---	---	---
3	9.0	8.0	8.5	7.8	7.5	7.6	7.6	7.4	7.5	---	---	---
4	9.2	7.8	8.5	7.9	7.4	7.6	7.6	7.5	7.6	---	---	---
5	9.1	8.3	8.6	7.5	7.3	7.4	7.9	7.5	7.7	---	---	---
6	8.9	8.2	8.6	7.5	7.3	7.3	7.6	7.2	7.4	---	---	---
7	8.6	7.7	8.0	7.5	7.2	7.4	---	---	---	---	---	---
8	7.8	7.2	7.5	7.6	7.4	7.5	---	---	---	---	---	---
9	7.4	7.2	7.3	8.0	7.4	7.5	---	---	---	---	---	---
10	7.3	7.2	7.3	8.0	7.4	7.6	---	---	---	---	---	---
11	7.5	7.2	7.3	7.8	7.4	7.6	---	---	---	---	---	---
12	7.5	7.4	7.5	7.4	7.2	7.3	---	---	---	---	---	---
13	8.0	7.5	7.6	7.3	7.2	7.3	---	---	---	---	---	---
14	7.9	7.5	7.6	7.3	7.2	7.2	---	---	---	---	---	---
15	7.7	7.5	7.6	7.2	7.2	7.2	---	---	---	---	---	---
16	8.2	7.5	7.7	7.3	7.2	7.2	---	---	---	---	---	---
17	8.1	7.6	7.8	7.3	7.1	7.2	---	---	---	---	---	---
18	7.8	7.6	7.7	7.3	7.2	7.2	---	---	---	---	---	---
19	7.8	7.6	7.7	7.3	7.2	7.2	---	---	---	---	---	---
20	7.8	7.7	7.7	7.3	7.2	7.2	---	---	---	---	---	---
21	7.8	7.6	7.7	7.2	7.2	7.2	---	---	---	---	---	---
22	8.1	7.7	7.8	7.2	7.2	7.2	---	---	---	---	---	---
23	8.4	7.8	8.0	7.2	7.2	7.2	---	---	---	---	---	---
24	8.4	7.8	8.0	7.8	7.2	7.7	---	---	---	---	---	---
25	8.4	7.8	8.0	7.7	7.4	7.5	---	---	---	---	---	---
26	8.0	7.7	7.9	7.6	7.4	7.5	---	---	---	---	---	---
27	7.7	7.5	7.6	7.8	7.4	7.6	---	---	---	---	---	---
28	7.7	7.5	7.6	7.5	7.3	7.4	---	---	---	---	---	---
29	7.8	7.5	7.6	7.4	7.3	7.4	---	---	---	---	---	---
30	7.8	7.5	7.6	7.5	7.4	7.4	---	---	---	---	---	---
31	7.7	7.5	7.6	---	---	---	---	---	---	---	---	---
MONTH	9.2	7.2	7.8	8.0	7.1	7.4	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	8.4	7.8	8.1
2	---	---	---	---	---	---	---	---	---	8.6	8.1	8.4
3	---	---	---	---	---	---	---	---	---	8.7	8.0	8.4
4	---	---	---	---	---	---	---	---	---	8.8	8.0	8.4
5	---	---	---	---	---	---	---	---	---	8.8	7.8	8.4
6	---	---	---	---	---	---	---	---	---	8.8	7.6	8.3
7	---	---	---	---	---	---	---	---	---	8.7	8.1	8.3
8	---	---	---	---	---	---	---	---	---	8.4	7.8	8.1
9	---	---	---	---	---	---	---	---	---	8.1	7.6	7.8
10	---	---	---	---	---	---	---	---	---	8.6	7.5	8.0
11	---	---	---	---	---	---	---	---	---	8.3	7.5	8.0
12	---	---	---	---	---	---	---	---	---	7.8	7.3	7.5
13	---	---	---	---	---	---	---	---	---	7.6	7.1	7.4
14	---	---	---	---	---	---	---	---	---	7.3	7.0	7.1
15	---	---	---	---	---	---	---	---	---	7.1	6.9	7.0
16	---	---	---	---	---	---	---	---	---	7.1	6.9	7.0
17	---	---	---	---	---	---	---	---	---	7.3	7.0	7.1
18	---	---	---	---	---	---	---	---	---	7.4	7.1	7.2
19	---	---	---	---	---	---	---	---	---	8.3	7.2	7.6
20	---	---	---	---	---	---	---	---	---	9.1	7.8	8.5
21	---	---	---	---	---	---	8.9	8.2	8.5	9.0	8.3	8.7
22	---	---	---	---	---	---	8.3	7.6	7.8	8.8	8.4	8.6
23	---	---	---	---	---	---	8.4	7.4	7.9	8.4	7.6	7.9
24	---	---	---	---	---	---	8.9	7.6	8.2	7.6	7.0	7.2
25	---	---	---	---	---	---	8.8	7.7	8.1	7.8	7.2	7.3
26	---	---	---	---	---	---	8.0	7.5	7.8	8.0	7.1	7.4
27	---	---	---	---	---	---	8.2	7.5	7.8	7.8	7.4	7.6
28	---	---	---	---	---	---	8.1	7.5	7.7	8.4	7.4	7.8
29	---	---	---	---	---	---	7.7	7.5	7.6	8.8	7.6	8.1
30	---	---	---	---	---	---	8.2	7.5	7.8	8.6	7.6	8.0
31	---	---	---	---	---	---	---	---	---	8.6	7.7	8.2
MONTH	---	---	---	---	---	---	---	---	---	9.1	6.9	7.9

06893562 BRUSH CREEK AT ROCKHILL ROAD IN KANSAS CITY, MO—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—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	7.0	7.2	8.1	6.7	7.4	---	---	---	8.9	8.5	8.6
2	7.2	6.9	7.0	8.1	6.6	7.4	---	---	---	8.8	8.1	8.4
3	7.3	6.9	7.1	9.2	7.4	8.3	---	---	---	8.7	7.9	8.3
4	7.6	7.1	7.4	9.3	8.0	8.6	---	---	---	8.7	7.8	8.2
5	7.6	7.2	7.3	10.0	7.6	8.7	---	---	---	8.2	7.8	8.1
6	7.5	7.2	7.4	9.6	7.0	8.1	---	---	---	8.1	7.6	7.9
7	7.8	7.4	7.6	8.4	7.1	7.7	---	---	---	8.3	7.7	8.0
8	8.2	7.5	7.8	8.5	7.0	7.9	---	---	---	8.4	7.8	8.0
9	7.7	7.3	7.5	8.8	7.6	8.2	---	---	---	8.5	7.8	8.1
10	7.6	7.3	7.4	8.7	8.1	8.4	---	---	---	8.6	7.9	8.4
11	7.7	7.4	7.5	8.5	7.7	8.2	---	---	---	8.5	8.0	8.3
12	7.7	7.4	7.5	8.2	7.6	7.9	---	---	---	8.5	7.9	8.2
13	7.7	7.4	7.5	8.1	7.0	7.5	---	---	---	8.3	7.9	8.1
14	7.7	7.5	7.6	8.2	7.2	7.8	---	---	---	8.4	7.8	8.0
15	7.8	7.4	7.6	8.5	7.6	8.1	---	---	---	8.1	7.6	7.8
16	7.9	7.5	7.7	8.6	7.8	8.3	---	---	---	8.1	7.6	7.7
17	8.2	7.7	7.9	8.7	8.0	8.4	---	---	---	8.2	7.4	7.7
18	8.8	7.8	8.2	8.6	7.7	8.3	8.3	7.8	8.1	7.8	7.4	7.6
19	8.7	8.1	8.4	---	---	---	---	---	---	7.7	7.3	7.5
20	8.8	7.9	8.4	---	---	---	---	---	---	7.8	7.2	7.4
21	8.8	7.8	8.2	---	---	---	---	---	---	8.0	7.2	7.5
22	9.1	7.8	8.3	---	---	---	---	---	---	8.3	7.3	7.6
23	9.0	7.6	8.3	---	---	---	7.8	7.6	7.6	7.9	7.4	7.6
24	8.8	7.7	8.3	---	---	---	7.6	7.4	7.5	7.6	7.3	7.5
25	8.8	7.8	8.3	---	---	---	7.8	7.4	7.5	7.9	7.6	7.7
26	8.5	7.7	8.2	---	---	---	7.6	7.3	7.4	8.0	7.7	7.8
27	---	---	---	---	---	---	7.8	7.4	7.6	8.2	7.8	8.0
28	---	---	---	9.2	6.6	---	---	---	7.8	8.2	7.9	8.1
29	---	---	---	10.7	6.7	8.6	8.1	7.8	8.0	8.5	7.8	8.2
30	---	---	---	10.9	7.6	9.3	8.3	7.9	8.1	8.4	8.1	8.2
31	---	---	---	9.0	7.4	8.1	8.6	8.2	8.4	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	8.9	7.2	8.0

06893562 BRUSH CREEK AT ROCKHILL ROAD IN KANSAS CITY, MO—Continued

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	402	383	392	519	367	414	730	693	708	---	---	---
2	412	395	404	459	433	447	733	695	712	---	---	---
3	417	401	411	489	326	427	769	717	746	---	---	---
4	425	405	416	365	293	323	793	768	780	---	---	---
5	436	410	425	297	287	292	1,730	782	987	---	---	---
6	446	433	439	304	296	300	1,120	508	606	---	---	---
7	498	139	328	309	298	304	---	---	---	---	---	---
8	175	142	157	316	308	313	---	---	---	---	---	---
9	203	173	185	329	315	321	---	---	---	---	---	---
10	225	202	213	436	252	339	---	---	---	---	---	---
11	259	225	241	470	429	463	---	---	---	---	---	---
12	280	251	261	463	448	454	---	---	---	---	---	---
13	347	280	311	451	442	447	---	---	---	---	---	---
14	373	342	356	448	440	444	---	---	---	---	---	---
15	409	373	390	443	430	438	---	---	---	---	---	---
16	414	395	407	438	380	402	---	---	---	---	---	---
17	460	396	440	405	387	395	---	---	---	---	---	---
18	462	442	456	405	389	396	---	---	---	---	---	---
19	485	462	471	393	379	387	---	---	---	---	---	---
20	494	480	486	400	393	396	---	---	---	---	---	---
21	507	493	500	408	390	402	---	---	---	---	---	---
22	538	507	523	419	407	412	---	---	---	---	---	---
23	539	528	535	443	419	426	---	---	---	---	---	---
24	549	533	540	725	332	520	---	---	---	---	---	---
25	558	544	551	788	330	464	---	---	---	---	---	---
26	571	361	535	984	740	894	---	---	---	---	---	---
27	586	557	570	1,060	733	813	---	---	---	---	---	---
28	586	465	550	943	846	914	---	---	---	---	---	---
29	544	527	530	941	862	917	---	---	---	---	---	---
30	534	491	526	870	729	777	---	---	---	---	---	---
31	534	499	528	---	---	---	---	---	---	---	---	---
MONTH	586	139	422	1,060	252	475	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	822	812	815
2	---	---	---	---	---	---	---	---	---	824	768	815
3	---	---	---	---	---	---	---	---	---	829	753	802
4	---	---	---	---	---	---	---	---	---	816	746	787
5	---	---	---	---	---	---	---	---	---	798	607	735
6	---	---	---	---	---	---	---	---	---	727	583	654
7	---	---	---	---	---	---	---	---	---	701	538	636
8	---	---	---	---	---	---	---	---	---	611	542	573
9	---	---	---	---	---	---	---	---	---	734	611	684
10	---	---	---	---	---	---	---	---	---	746	685	727
11	---	---	---	---	---	---	---	---	---	758	677	717
12	---	---	---	---	---	---	---	---	---	776	312	743
13	---	---	---	---	---	---	---	---	---	380	173	217
14	---	---	---	---	---	---	---	---	---	319	255	286
15	---	---	---	---	---	---	---	---	---	364	319	340
16	---	---	---	---	---	---	---	---	---	399	352	372
17	---	---	---	---	---	---	---	---	---	435	387	410
18	---	---	---	---	---	---	---	---	---	462	429	442
19	---	---	---	---	---	---	---	---	---	498	453	478
20	---	---	---	---	---	---	---	---	---	499	474	490
21	---	---	---	---	---	---	529	501	509	519	490	504
22	---	---	---	---	---	---	558	528	540	542	510	522
23	---	---	---	---	---	---	584	556	565	573	537	560
24	---	---	---	---	---	---	620	562	593	592	571	581
25	---	---	---	---	---	---	691	530	612	614	590	600
26	---	---	---	---	---	---	761	691	741	623	598	617
27	---	---	---	---	---	---	777	749	765	645	616	635
28	---	---	---	---	---	---	801	751	788	670	639	650
29	---	---	---	---	---	---	814	797	803	687	649	674
30	---	---	---	---	---	---	815	808	811	697	672	684
31	---	---	---	---	---	---	---	---	---	726	497	693
MONTH	---	---	---	---	---	---	---	---	---	829	173	595

06893562 BRUSH CREEK AT ROCKHILL ROAD IN KANSAS CITY, MO—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	763	187	285	252	229	240	---	---	---	816	641	772
2	243	215	228	278	241	256	---	---	---	788	719	743
3	335	182	230	368	202	275	---	---	---	765	685	731
4	532	103	330	307	186	209	---	---	---	716	695	707
5	564	452	489	254	195	217	---	---	---	722	706	713
6	646	534	590	281	230	257	---	---	---	725	715	720
7	695	575	647	298	280	288	---	---	---	722	712	717
8	734	189	653	309	283	297	---	---	---	719	707	716
9	296	156	239	315	268	294	---	---	---	720	706	714
10	376	181	330	347	308	325	---	---	---	717	628	692
11	503	181	312	370	314	350	---	---	---	706	612	665
12	403	136	337	386	367	376	---	---	---	724	690	708
13	611	190	440	407	381	395	314	121	191	732	721	726
14	667	611	650	421	400	411	488	309	428	726	703	714
15	680	662	672	426	399	419	505	432	479	710	123	274
16	716	679	694	442	394	421	507	456	481	210	177	202
17	747	714	729	444	403	425	504	462	489	245	208	222
18	759	699	741	451	414	438	496	324	431	362	163	305
19	740	625	685	---	---	---	---	---	---	317	169	286
20	672	606	634	---	---	---	---	---	---	323	289	312
21	667	629	646	---	---	---	---	---	---	338	321	330
22	684	632	670	---	---	---	---	---	---	358	337	344
23	689	595	661	---	---	---	686	617	638	361	121	256
24	698	611	663	---	---	---	623	447	513	467	361	419
25	704	616	675	---	---	---	513	193	286	533	465	499
26	712	642	688	---	---	---	505	123	311	665	492	605
27	---	---	---	182	160	169	669	505	596	709	664	687
28	---	---	---	216	170	190	748	669	714	723	709	718
29	---	---	---	241	214	225	786	744	765	735	717	725
30	---	---	---	260	240	249	806	781	791	727	716	722
31	---	---	---	284	259	272	810	801	805	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	816	121	565

06893562 BRUSH CREEK AT ROCKHILL ROAD IN KANSAS CITY, MO—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	10.9	6.6	8.3	6.4	3.9	5.2	9.6	6.9	7.8	---	---	---
2	15.7	5.2	8.8	6.6	4.8	5.5	8.4	6.4	7.7	---	---	---
3	14.3	7.7	10.7	9.9	4.8	6.9	9.0	7.0	8.0	---	---	---
4	14.8	6.5	10.1	9.9	6.3	8.7	9.0	7.0	8.0	---	---	---
5	13.9	8.2	10.3	7.9	4.5	6.1	11.5	7.0	8.7	---	---	---
6	12.0	8.2	10	7.3	4.3	5.8	11.0	6.7	9.4	---	---	---
7	9.7	6.1	7.8	7.5	2.8	5.6	---	---	---	---	---	---
8	7.2	3.6	6.0	8.4	5.3	6.8	---	---	---	---	---	---
9	5.5	3.0	4.2	10.4	5.7	7.2	---	---	---	---	---	---
10	4.7	2.4	3.6	9.8	6.2	7.6	---	---	---	---	---	---
11	6.2	2.7	4.2	8.9	4.0	6.2	---	---	---	---	---	---
12	6.5	5.6	6.1	5.4	2.2	3.3	---	---	---	---	---	---
13	8.8	5.8	6.8	2.8	1.9	2.4	---	---	---	---	---	---
14	8.8	5.4	6.5	2.4	1.1	1.9	---	---	---	---	---	---
15	7.4	5.3	6.3	2.5	0.2	1.1	---	---	---	---	---	---
16	10.5	6.0	6.9	3.4	0.1	2.2	---	---	---	---	---	---
17	9.2	5.3	7.0	4.6	0.4	3.1	---	---	---	---	---	---
18	7.2	5.8	6.5	3.8	0.5	2.2	---	---	---	---	---	---
19	7.8	5.3	6.0	4.5	2.5	3.4	---	---	---	---	---	---
20	6.8	5.8	6.4	5.3	2.0	3.1	---	---	---	---	---	---
21	7.0	5.6	6.4	2.7	1.2	2.0	---	---	---	---	---	---
22	8.5	5.7	6.8	2.1	0.1	0.9	---	---	---	---	---	---
23	10.0	5.9	7.4	1.4	0.0	0.3	---	---	---	---	---	---
24	9.9	5.3	7.1	10.6	1.4	8.7	---	---	---	---	---	---
25	10.7	5.2	7.2	10.8	6.9	9.5	---	---	---	---	---	---
26	8.7	3.4	6.7	10.4	7.2	9.0	---	---	---	---	---	---
27	6.2	2.8	4.5	9.9	6.3	8.6	---	---	---	---	---	---
28	6.7	1.2	4.7	---	---	---	---	---	---	---	---	---
29	7.2	3.8	5.4	---	---	---	---	---	---	---	---	---
30	8.6	3.4	4.9	7.6	6.2	7.2	---	---	---	---	---	---
31	5.8	2.8	4.3	---	---	---	---	---	---	---	---	---
MONTH	15.7	1.2	6.7	---	---	---	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	16.4	10.5	13.4
2	---	---	---	---	---	---	---	---	---	22.8	12.6	16.0
3	---	---	---	---	---	---	---	---	---	25.7	10.9	18.2
4	---	---	---	---	---	---	---	---	---	27.0	10.8	18.6
5	---	---	---	---	---	---	---	---	---	21.9	11.1	16.0
6	---	---	---	---	---	---	---	---	---	20.4	13.8	17.6
7	---	---	---	---	---	---	---	---	---	14.9	9.4	11.5
8	---	---	---	---	---	---	---	---	---	10.6	5.4	8.1
9	---	---	---	---	---	---	---	---	---	9.7	3.0	6.2
10	---	---	---	---	---	---	---	---	---	13.4	3.0	8.2
11	---	---	---	---	---	---	---	---	---	10.4	3.0	7.3
12	---	---	---	---	---	---	---	---	---	7.6	1.5	3.7
13	---	---	---	---	---	---	---	---	---	9.1	4.6	7.4
14	---	---	---	---	---	---	---	---	---	6.1	1.8	4.3
15	---	---	---	---	---	---	---	---	---	2.6	0.4	1.4
16	---	---	---	---	---	---	---	---	---	4.3	0.4	1.8
17	---	---	---	---	---	---	---	---	---	6.1	1.5	3.7
18	---	---	---	---	---	---	---	---	---	6.2	1.9	4.3
19	---	---	---	---	---	---	---	---	---	12.0	3.3	7.6
20	---	---	---	---	---	---	---	---	---	22.2	6.9	14.2
21	---	---	---	---	---	---	15.3	8.0	10.7	18.5	9.7	14.3
22	---	---	---	---	---	---	9.8	5.0	7.1	12.7	5.7	9.8
23	---	---	---	---	---	---	12.9	5.2	8.8	7.6	2.7	5.3
24	---	---	---	---	---	---	18.7	7.0	12.3	5.6	1.2	3.7
25	---	---	---	---	---	---	17.1	6.3	10	8.1	1.6	4.4
26	---	---	---	---	---	---	10.7	6.6	8.9	9.6	3.4	5.9
27	---	---	---	---	---	---	12.9	7.4	9.9	8.0	3.2	5.4
28	---	---	---	---	---	---	12.4	6.2	8.9	11.8	3.5	7.3
29	---	---	---	---	---	---	9.4	6.9	8.1	16.2	4.4	8.7
30	---	---	---	---	---	---	13.9	6.9	10.6	13.7	4.5	7.9
31	---	---	---	---	---	---	---	---	---	13.5	4.1	8.8
MONTH	---	---	---	---	---	---	---	---	---	27.0	0.4	8.7

06893562 BRUSH CREEK AT ROCKHILL ROAD IN KANSAS CITY, MO—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	7.2	2.8	5.7	5.1	2.6	3.9	---	---	---	14.1	6.7	10.5
2	4.6	0.7	2.9	7.8	2.0	4.9	---	---	---	18.7	4.0	9.6
3	7.3	1.5	4.6	7.8	3.8	5.9	---	---	---	23.0	6.8	13.8
4	9.0	4.4	7.7	7.2	3.6	5.9	---	---	---	16.0	8.6	12.0
5	7.8	1.9	5.0	6.7	3.6	5.2	---	---	---	8.7	5.3	7.4
6	5.4	1.9	4.3	10.1	2.6	6.6	---	---	---	6.5	3.0	5.1
7	6.0	3.4	4.7	13.3	5.6	9.0	---	---	---	8.6	3.1	5.7
8	9.5	3.4	5.9	13.8	6.2	10.1	---	---	---	10.1	4.2	6.3
9	7.3	5.5	6.3	10.1	6.7	8.4	---	---	---	10.6	3.5	7.0
10	7.4	3.1	5.0	7.4	5.8	6.8	---	---	---	12.9	4.8	8.8
11	7.5	5.1	6.6	8.7	2.9	5.7	---	---	---	11.7	5.7	8.4
12	7.1	3.8	5.2	9.0	4.3	6.4	---	---	---	10.9	4.6	7.6
13	6.4	4.1	5.5	11.1	2.4	6.6	---	---	---	8.7	4.0	6.1
14	6.0	2.8	4.8	10.0	4.2	7.3	---	---	---	10.1	4.4	6.5
15	7.0	3.4	5.2	11.9	5.0	8.5	---	---	---	8.9	5.9	7.7
16	7.6	4.0	5.8	16.0	6.1	11.0	---	---	---	8.1	6.0	6.8
17	10.4	5.0	7.5	14.7	5.6	9.5	---	---	---	8.8	4.2	6.7
18	17.6	5.5	11.1	11.2	3.4	8.1	9.3	6.5	8.0	7.8	4.7	6.8
19	24.3	11.2	16.5	---	---	---	---	---	---	7.0	3.9	5.1
20	19.1	11.0	14.7	---	---	---	---	---	---	6.4	2.1	3.9
21	12.7	6.2	9.1	---	---	---	---	---	---	7.1	0.7	3.6
22	18.2	3.1	8.8	---	---	---	---	---	---	8.8	2.2	5.0
23	19.2	2.4	10.5	---	---	---	5.6	4.7	5.1	7.6	4.2	6.5
24	16.5	2.0	9.2	---	---	---	6.0	4.5	5.1	5.6	3.3	5.0
25	12.7	3.1	7.8	---	---	---	7.5	4.6	6.8	7.3	4.1	5.4
26	9.6	1.5	6.5	---	---	---	8.5	5.3	6.6	9.9	5.0	6.4
27	---	---	---	7.2	2.4	4.8	7.1	3.9	5.5	9.7	4.8	6.6
28	---	---	---	7.5	0.4	4.9	7.3	4.8	5.8	7.2	5.0	6.2
29	---	---	---	8.6	0.9	5.8	8.2	5.1	6.2	12.7	6.4	8.2
30	---	---	---	6.1	1.6	3.8	9.9	5.5	7.4	11.4	7.1	8.9
31	---	---	---	3.6	1.8	2.6	14.4	7.0	10.5	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	23.0	0.7	7.1

06893562 BRUSH CREEK AT ROCKHILL ROAD IN KANSAS CITY, MO—Continued

TURBIDITY, WATER, UNFILTERED, NEPHELOMETRIC TURBIDITY UNITS
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	7.0	3.0	4.6	7.0	3.0	4.0	15	8.0	11	---	---	---
2	7.0	4.0	4.7	10	2.0	3.1	11	7.0	8.2	---	---	---
3	11	3.0	4.4	33	2.0	7.5	11	6.0	6.6	---	---	---
4	13	3.0	4.6	21	15	19	8.0	4.0	5.6	---	---	---
5	7.0	4.0	4.6	17	9.0	12	58	4.0	17	---	---	---
6	8.0	4.0	4.4	20	5.0	8.5	52	26	35	---	---	---
7	160	4.0	35	12	4.0	5.3	---	---	---	---	---	---
8	31	11	20	11	3.0	4.4	---	---	---	---	---	---
9	16	7.0	11	10	2.0	3.1	---	---	---	---	---	---
10	13	4.0	5.5	39	2.0	6.2	---	---	---	---	---	---
11	8.0	3.0	3.8	23	15	18	---	---	---	---	---	---
12	10	4.0	5.7	19	9.0	13	---	---	---	---	---	---
13	8.0	4.0	6.2	13	6.0	8.5	---	---	---	---	---	---
14	10	4.0	5.4	6.0	2.0	4.3	---	---	---	---	---	---
15	10	3.0	5.4	11	2.0	3.2	---	---	---	---	---	---
16	17	3.0	6.4	7.0	2.0	4.1	---	---	---	---	---	---
17	---	---	---	25	3.0	8.4	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	10	1.0	4.2	---	---	---	---	---	---	---	---	---
21	13	1.0	3.0	---	---	---	---	---	---	---	---	---
22	12	1.0	1.9	---	---	---	---	---	---	---	---	---
23	6.0	0.0	1.2	13	2.0	4.1	---	---	---	---	---	---
24	5.0	0.0	1.1	---	---	---	---	---	---	---	---	---
25	4.0	0.0	1.1	---	---	---	---	---	---	---	---	---
26	37	0.0	8.0	---	---	---	---	---	---	---	---	---
27	12	4.0	6.5	---	---	---	---	---	---	---	---	---
28	28	3.0	8.0	---	---	---	---	---	---	---	---	---
29	5.0	1.0	2.2	---	---	---	---	---	---	---	---	---
30	7.0	1.0	1.4	17	12	14	---	---	---	---	---	---
31	14	1.0	2.3	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	17	5.0	6.7
2	---	---	---	---	---	---	---	---	---	17	6.0	8.0
3	---	---	---	---	---	---	---	---	---	19	6.0	8.2
4	---	---	---	---	---	---	---	---	---	22	7.0	9.7
5	---	---	---	---	---	---	---	---	---	17	6.0	9.0
6	---	---	---	---	---	---	---	---	---	14	5.0	6.6
7	---	---	---	---	---	---	---	---	---	19	5.0	7.3
8	---	---	---	---	---	---	---	---	---	15	5.0	7.7
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	340	28	100
14	---	---	---	---	---	---	---	---	---	150	20	56
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	33	5.0	7.4	---	---	---
22	---	---	---	---	---	---	20	5.0	7.1	---	---	---
23	---	---	---	---	---	---	12	5.0	6.6	---	---	---
24	---	---	---	---	---	---	27	4.0	7.2	9.0	0.0	0.6
25	---	---	---	---	---	---	42	5.0	9.7	2.0	0.0	0.4
26	---	---	---	---	---	---	16	8.0	10	3.0	0.0	1.2
27	---	---	---	---	---	---	38	5.0	9.4	4.0	1.0	2.2
28	---	---	---	---	---	---	51	5.0	8.2	4.0	1.0	2.1
29	---	---	---	---	---	---	26	4.0	6.9	4.0	1.0	2.2
30	---	---	---	---	---	---	20	5.0	6.8	6.0	2.0	3.1
31	---	---	---	---	---	---	---	---	---	47	2.0	4.9
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

06893562 BRUSH CREEK AT ROCKHILL ROAD IN KANSAS CITY, MO—Continued

TURBIDITY, WATER, UNFILTERED, NEPHELOMETRIC TURBIDITY UNITS—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	84	7.0	27	57	8.0	20	---	---	---	---	---	---
2	9.0	3.0	5.6	21	5.0	7.2	---	---	---	25	3.8	6.7
3	56	2.0	18	120	5.0	13	---	---	---	72	2.8	6.8
4	420	14	73	43	10	21	---	---	---	41	2.6	4.6
5	35	7.0	15	10	4.0	5.8	---	---	---	15	1.4	3.7
6	8.0	1.0	4.4	6.0	3.0	3.8	---	---	---	21	0.3	2.4
7	11	0.0	1.2	9.0	3.0	4.1	---	---	---	7.5	0.2	1.7
8	300	0.0	22	8.0	3.0	4.5	---	---	---	28	1.0	2.2
9	120	16	31	11	2.0	4.0	---	---	---	22	1.0	2.3
10	130	4.0	12	24	3.0	4.8	---	---	---	22	0.9	3.2
11	130	18	41	8.0	4.0	5.1	---	---	---	64	5.1	22
12	410	13	54	35	3.0	5.0	---	---	---	280	18	83
13	---	---	---	22	3.0	4.8	490	30	85	270	48	110
14	---	---	---	34	2.0	4.1	41	12	18	240	24	110
15	---	---	---	6.0	2.0	3.8	35	5.0	12	220	27	68
16	---	---	---	37	4.0	8.6	24	4.0	6.7	28	13	21
17	21	3.0	5.2	49	4.0	10	16	3.0	4.6	14	6.0	9.7
18	16	3.0	5.3	17	3.0	8.2	21	4.0	9.3	57	5.0	25
19	29	4.0	8.2	---	---	---	---	---	---	100	7.0	19
20	17	6.0	9.2	---	---	---	---	---	---	22	4.0	8.4
21	9.0	3.0	5.1	---	---	---	---	---	---	19	2.0	4.3
22	18	2.0	4.8	---	---	---	---	---	---	17	1.0	2.1
23	31	2.0	7.3	---	---	---	---	---	---	420	2.0	54
24	19	4.0	5.8	---	---	---	---	---	---	22	11	17
25	21	3.0	4.8	---	---	---	---	---	---	12	2.0	6.8
26	8.0	2.0	3.6	---	---	---	---	---	---	12	1.0	2.8
27	---	---	---	70	12	26	130	9.0	22	3.0	0.0	1.3
28	---	---	---	17	6.0	9.9	---	---	---	6.0	0.0	2.1
29	---	---	---	15	3.0	5.2	---	---	---	9.0	1.0	3.0
30	---	---	---	8.0	3.0	4.3	---	---	---	12	2.0	3.5
31	---	---	---	13	4.0	5.0	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

06893578 BLUE RIVER AT STADIUM DRIVE IN KANSAS CITY, MO

LOCATION.--Lat 39°03'30", long 94°30'42:, in SE ¼ NW ¼ NW ¼ sec.24, T.49 N., R.33 W., Jackson County, Hydrologic Unit 10300101, on right bank on the downstream side of Stadium Blvd. bridge.

DRAINAGE AREA.--256 mi^2.

PERIOD OF RECORD.--July 1, 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is 718.29 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except for estimated daily discharges, which are poor. U.S.G.S. 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	55	479	294	79	198	172	70	60	707	230	40	173
2	69	394	240	83	168	133	63	51	255	101	38	229
3	47	252	209	1,620	155	130	60	46	911	91	39	135
4	43	1,210	187	1,470	136	171	57	47	14,000	969	35	110
5	41	462	274	3,370	130	124	55	43	4,020	262	32	93
6	39	257	1,070	980	408	110	179	38	665	148	31	84
7	458	198	529	487	1,430	442	113	38	380	110	25	92
8	1,120	160	384	363	614	177	73	46	356	91	109	96
9	252	139	301	353	412	138	64	123	1,270	77	80	82
10	153	132	256	735	357	130	58	56	474	65	41	76
11	126	632	220	531	325	118	667	53	1,220	66	30	69
12	327	291	200	602	414	110	607	63	1,300	48	334	62
13	334	182	182	1,030	3,270	97	293	2,380	2,390	45	2,830	81
14	189	146	174	451	1,480	92	190	837	1,170	44	1,490	107
15	126	128	147	e303	657	88	157	289	478	37	276	722
16	96	116	134	e237	436	84	140	192	316	41	156	298
17	78	104	e132	e206	326	77	127	154	247	39	117	159
18	68	104	e129	e196	279	72	116	132	197	42	178	243
19	63	133	e120	191	268	72	111	117	165	113	1,160	247
20	59	101	e111	188	318	66	106	95	138	169	4,840	221
21	57	83	101	188	267	64	95	87	120	75	543	124
22	56	74	e97	183	222	194	93	79	111	60	265	108
23	54	77	e92	153	194	281	80	69	90	50	215	2,070
24	45	661	e87	140	177	172	72	61	87	39	194	709
25	41	754	e78	138	167	169	75	58	86	35	2,950	268
26	174	948	75	140	156	125	131	54	73	143	4,120	203
27	319	1,580	78	132	149	111	86	42	63	469	1,420	152
28	182	751	80	125	171	98	72	40	94	93	440	123
29	133	406	85	138	---	91	71	41	125	63	342	128
30	104	334	85	156	---	83	70	40	213	52	216	101
31	94	---	86	145	---	78	---	39	---	45	171	---
MEAN	161	376	201	488	474	131	138	176	1,057	126	734	246
MAX	1,120	1,580	1,070	3,370	3,270	442	667	2,380	14,000	969	4,840	2,070
MIN	39	74	75	79	130	64	55	38	63	35	25	62

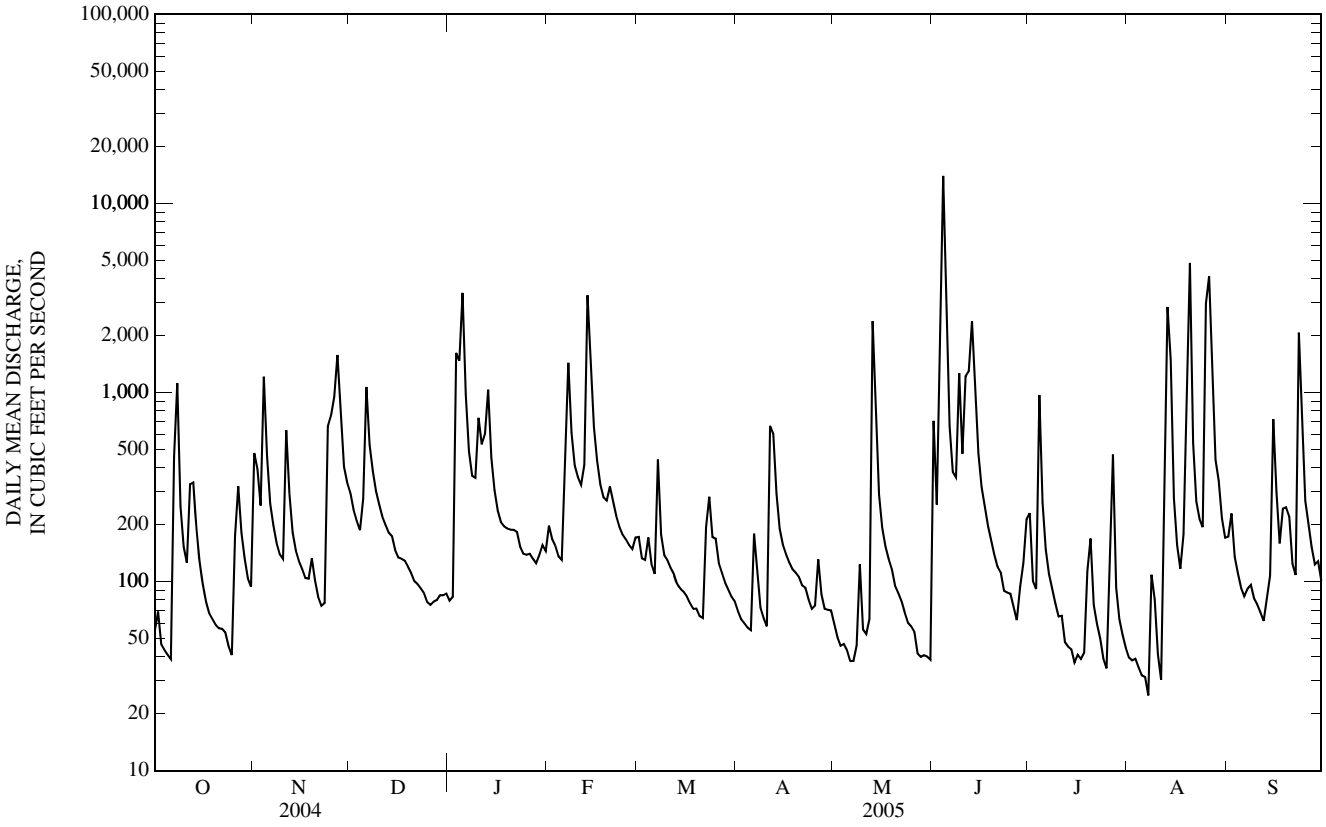
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	105	157	150	214	239	355	164	360	545	207	507	204
MAX	161	376	219	488	474	857	206	772	1,057	576	734	338
(WY)	(2005)	(2005)	(2004)	(2005)	(2005)	(2004)	(2003)	(2004)	(2005)	(2004)	(2005)	(2003)
MIN	60.0	42.3	31.2	31.9	79.4	77.0	138	131	259	43.4	89.9	54.5
(WY)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2005)	(2003)	(2003)	(2003)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2002 - 2005	
ANNUAL MEAN	376		357		287	
HIGHEST ANNUAL MEAN					357	2005
LOWEST ANNUAL MEAN					160	2003
HIGHEST DAILY MEAN	12,000	Mar 5	14,000	Jun 4	14,300	Aug 31, 2003
LOWEST DAILY MEAN	39	Oct 6	25	Aug 7	20	Aug 22, 2003
ANNUAL SEVEN-DAY MINIMUM	48	Sep 30	34	Aug 1	22	Aug 19, 2003
MAXIMUM PEAK FLOW	---		19,300	Jun 4	24,200	May 19, 2004
MAXIMUM PEAK STAGE	---		26.77	Jun 4	27.94	May 19, 2004
INSTANTANEOUS LOW FLOW	---		22	Aug 11,12	15	Aug 19,22, 2003
10 PERCENT EXCEEDS	519		714		448	
50 PERCENT EXCEEDS	130		133		96	
90 PERCENT EXCEEDS	66		49		32	

e Estimated

06893578 BLUE RIVER AT STADIUM DRIVE IN KANSAS CITY, MO—Continued



06893620 ROCK CREEK AT KENTUCKY ROAD IN INDEPENDENCE, MO

LOCATION.--Lat 39°06'43", long 94°28'20" in NW$^1/_4$ NW$^1/_4$ sec. 32, T.50 N., R.32 W., Jackson County, Hydrologic Unit 10300101, on left bank near downstream side of bridge on Kentucky Road, in Independence.

DRAINAGE AREA.--9.5 mi^2.

PERIOD OF RECORD.--July 8, 2005 to current year.

GAGE.--Water stage recorder. Datum of gage is unknown

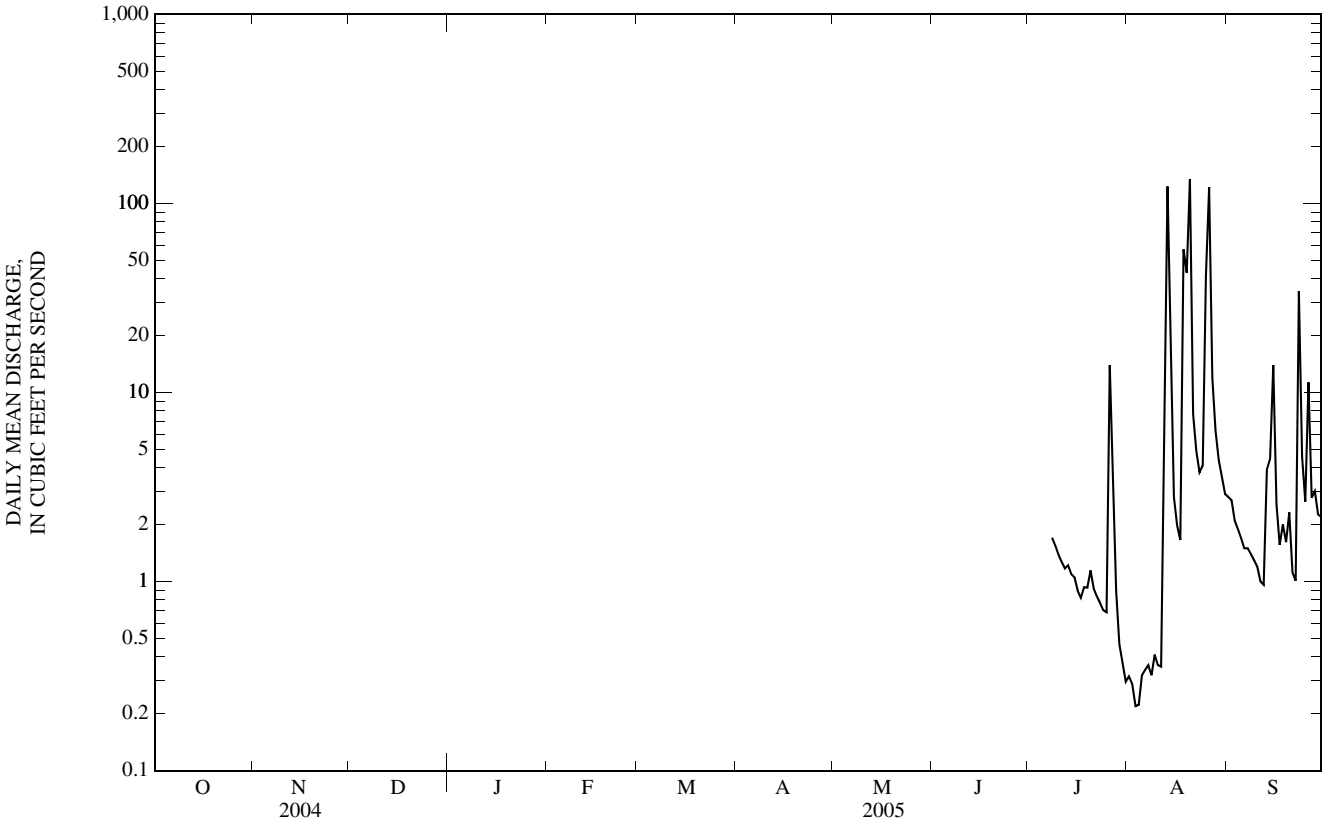
REMARKS.--Records good. U.S.G.S. satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--For the period July 8 to Sept. 30, maximum discharge unknown, gage height, 13.66 ft, Aug. 20; minimum 0.16 ft^3/s, Aug. 3.

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	---	---	---	---	---	---	---	---	---	---	0.32	2.8
2	---	---	---	---	---	---	---	---	---	---	0.29	2.7
3	---	---	---	---	---	---	---	---	---	---	0.22	2.1
4	---	---	---	---	---	---	---	---	---	---	0.22	1.9
5	---	---	---	---	---	---	---	---	---	---	0.32	1.7
6	---	---	---	---	---	---	---	---	---	---	0.34	1.5
7	---	---	---	---	---	---	---	---	---	---	0.36	1.5
8	---	---	---	---	---	---	---	---	---	1.7	0.32	1.4
9	---	---	---	---	---	---	---	---	---	1.6	0.41	1.3
10	---	---	---	---	---	---	---	---	---	1.4	0.36	1.2
11	---	---	---	---	---	---	---	---	---	1.3	0.35	1.0
12	---	---	---	---	---	---	---	---	---	1.2	6.3	0.96
13	---	---	---	---	---	---	---	---	---	1.2	123	3.9
14	---	---	---	---	---	---	---	---	---	1.1	14	4.4
15	---	---	---	---	---	---	---	---	---	1.1	2.8	14
16	---	---	---	---	---	---	---	---	---	0.89	2.0	2.6
17	---	---	---	---	---	---	---	---	---	0.82	1.7	1.6
18	---	---	---	---	---	---	---	---	---	0.93	57	2.0
19	---	---	---	---	---	---	---	---	---	0.93	43	1.6
20	---	---	---	---	---	---	---	---	---	1.1	134	2.3
21	---	---	---	---	---	---	---	---	---	0.92	7.7	1.1
22	---	---	---	---	---	---	---	---	---	0.83	4.9	1.0
23	---	---	---	---	---	---	---	---	---	0.77	3.8	34
24	---	---	---	---	---	---	---	---	---	0.71	4.1	4.6
25	---	---	---	---	---	---	---	---	---	0.69	41	2.6
26	---	---	---	---	---	---	---	---	---	14	122	11
27	---	---	---	---	---	---	---	---	---	3.1	12	2.8
28	---	---	---	---	---	---	---	---	---	0.89	6.3	3.0
29	---	---	---	---	---	---	---	---	---	0.47	4.4	2.3
30	---	---	---	---	---	---	---	---	---	0.37	3.6	2.2
31	---	---	---	---	---	---	---	---	---	0.30	2.9	---

06893620 ROCK CREEK AT KENTUCKY ROAD IN INDEPENDENCE, MO—Continued



06893791 LONGVIEW RESERVOIR AT KANSAS CITY, MO

LOCATION.--Lat 38°55'29", long 94°27'35", in SE ¼ NE ¼ NW ¼ sec.4, T.48 N., R.32 W., Jackson County, Hydrologic Unit 10300101, in the U.S. Army Corps of Engineers Administration Building at the right end of dam on Little Blue River at Kansas City and 3.1 mi upstream from Cedar Creek.

DRAINAGE AREA.--50.3 mi^2.

PERIOD OF RECORD.--October 1985 to current year.

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

REMARKS.--Lake is formed by a rolled earthfill type dam. Closure began June 16, 1983. Storage began on Sept. 16, 1985. An uncontrolled limited service type spillway 200 ft wide is located at the left abutment. Capacity of surcharge pool 35,370 ac-ft (909.0 ft to 922.9 ft); of flood control pool 24,800 ac-ft (elevation 891.0 ft to 909.0 ft); and of multipurpose pool 22,100 ac-ft (elevation 816.0 ft to 891.0 ft). Lake is used for flood control, water-quality control, recreation, and fish and wildlife enhancement. U.S. Army Corps of Engineers satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 37,100 ac-ft, May 16, 1990, elevation, 903.36 ft; minimum, 2,680 ac-ft, Oct. 1, 1985, elevation, 849.40 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 26,700 ac-ft, June 4, elevation, 895.44 ft; minimum, 21,300 ac-ft, Aug. 12, elevation, 889.99 ft.

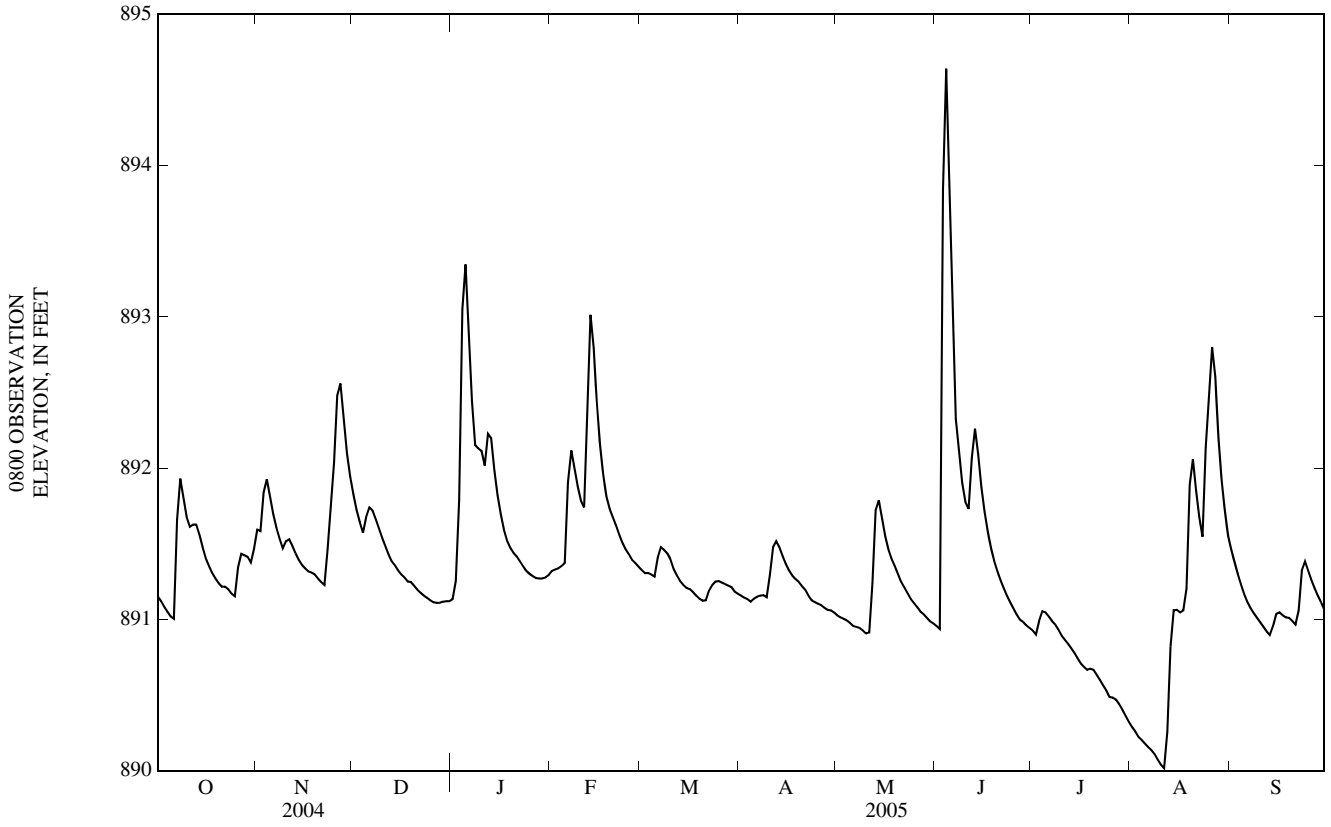
ELEVATION, IN FEET, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
OBSERVATION AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	891.17	891.52	891.90	891.12	891.30	891.34	891.17	891.04	890.97	890.94	890.31	891.50
2	891.14	891.63	891.79	891.14	891.33	891.32	891.15	891.02	890.95	890.92	890.28	891.44
3	891.11	891.56	891.69	891.31	891.33	891.30	891.14	891.01	890.93	890.89	890.25	891.35
4	891.07	891.98	891.62	892.03	891.34	891.31	891.13	891.00	895.30	891.04	890.21	891.28
5	891.04	891.90	891.55	893.56	891.36	891.29	891.11	890.99	894.31	891.06	890.20	891.21
6	891.01	891.77	891.74	893.24	891.38	891.28	891.15	890.97	893.23	891.04	890.17	891.15
7	891.00	891.66	891.74	892.69	892.17	891.47	891.15	890.95	892.60	891.01	890.15	891.10
8	891.99	891.58	891.71	892.32	892.09	891.48	891.16	890.95	892.19	890.98	890.13	891.06
9	891.90	891.51	891.64	892.07	891.96	891.45	891.16	890.94	892.05	890.96	890.10	891.03
10	891.75	891.45	891.58	892.16	891.84	891.43	891.14	890.92	891.83	890.92	890.06	891.00
11	891.64	891.55	891.52	892.09	891.76	891.38	891.37	890.90	891.75	890.88	890.03	890.97
12	891.60	891.52	891.47	891.98	891.73	891.31	891.53	890.92	891.72	890.86	890.01	890.94
13	891.64	891.47	891.41	892.35	892.84	891.28	891.51	891.40	892.24	890.83	890.38	890.91
14	891.62	891.42	891.37	892.12	893.10	891.24	891.46	891.88	892.27	890.80	891.04	890.89
15	891.53	891.38	891.35	891.92	892.64	891.22	891.40	891.74	892.00	890.77	891.07	890.99
16	891.45	891.35	891.31	891.77	892.31	891.20	891.35	891.63	891.81	890.73	891.06	891.06
17	891.38	891.33	891.29	891.66	892.07	891.20	891.31	891.51	891.66	890.70	891.04	891.04
18	891.34	891.31	891.27	891.56	891.89	891.17	891.28	891.44	891.54	890.68	891.07	891.02
19	891.29	891.31	891.24	891.50	891.77	891.15	891.26	891.38	891.44	890.66	891.27	891.01
20	891.26	891.29	891.25	891.46	891.71	891.13	891.24	891.34	891.36	890.68	892.20	891.01
21	891.23	891.26	891.21	891.43	891.66	891.12	891.21	891.28	891.30	890.66	891.99	890.98
22	891.21	891.24	891.19	891.41	891.60	891.13	891.19	891.23	891.24	890.62	891.78	890.96
23	891.22	891.22	891.17	891.37	891.54	891.22	891.14	891.20	891.19	890.59	891.62	891.11
24	891.19	891.59	891.15	891.34	891.49	891.23	891.12	891.16	891.14	890.55	891.51	891.43
25	891.16	891.87	891.14	891.31	891.45	891.26	891.11	891.12	891.10	890.52	892.45	891.36
26	891.15	892.12	891.12	891.30	891.42	891.25	891.10	891.10	891.06	890.47	892.50	891.30
27	891.44	892.66	891.11	891.28	891.38	891.24	891.09	891.07	891.02	890.49	892.95	891.24
28	891.43	892.51	891.11	891.27	891.37	891.23	891.07	891.04	890.99	890.46	892.43	891.19
29	891.42	892.23	891.11	891.27	---	891.22	891.06	891.03	890.98	890.43	892.08	891.14
30	891.41	892.03	891.12	891.27	---	891.21	891.06	891.00	890.95	890.39	891.83	891.10
31	891.36	---	891.12	891.28	---	891.17	---	890.98	---	890.35	891.66	---
MAX	891.99	892.66	891.90	893.56	893.10	891.48	891.53	891.88	895.30	891.06	892.95	891.50
MIN	891.00	891.22	891.11	891.12	891.30	891.12	891.06	890.90	890.93	890.35	890.01	890.89
(-)	22,500	23,100	22,200	22,400	22,500	22,300	22,200	22,100	22,100	21,600	22,800	22,200
(=)	+200	+600	-900	+200	+100	-200	-100	-100	0	-500	+1,200	-600

CALYR 2004.... -600
WTR YR 2005.... -100

(-) Contents, in acre-feet, at the end of the month.
(=) Change in contents, in acre-feet.

06893791 LONGVIEW RESERVOIR AT KANSAS CITY, MO—Continued



06893885 BLUE SPRINGS RESERVOIR NEAR BLUE SPRINGS, MO

LOCATION.--Lat 39°01'03", long 94°20'07", sec.33, T.49 N., R.31 W., Jackson County, Hydrologic Unit 10300101, in maintenance building at right end of dam on East Fork Little Blue River, 2.2 mi west of Blue Springs, and 2.5 mi upstream from mouth.

DRAINAGE AREA.--32.8 mi^2.

PERIOD OF RECORD.--August 1988 to current year.

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

REMARKS.--Lake is formed by a rolled earthfill type dam. An uncontrolled limited service type spillway 300 ft wide is located on left abutment. Capacity of surcharge pool, 3,310 ac-ft (elevation 820.3 to 823.6 ft); of flood control pool, 15,900 ac-ft (elevation 802.0 to 820.3 ft); and of multipurpose pool, 10,640 ac-ft (elevation 760.0 to 802.0 ft). U.S. Army Corps of Engineers satellite telemeter at station.

COOPERATION.--Records provided by the U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 22,800 ac-ft, May 17, 1990, elevation, 816.37 ft; minimum contents, 142 ac-ft, Oct. 22, 29, 30, and Nov. 1-11, 1988, elevation, 773.10 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 13,100 ac-ft, June 5, elevation, 805.08 ft; minimum, 10,700 ac-ft, Aug. 11 and 12, elevation, 801.73 ft.

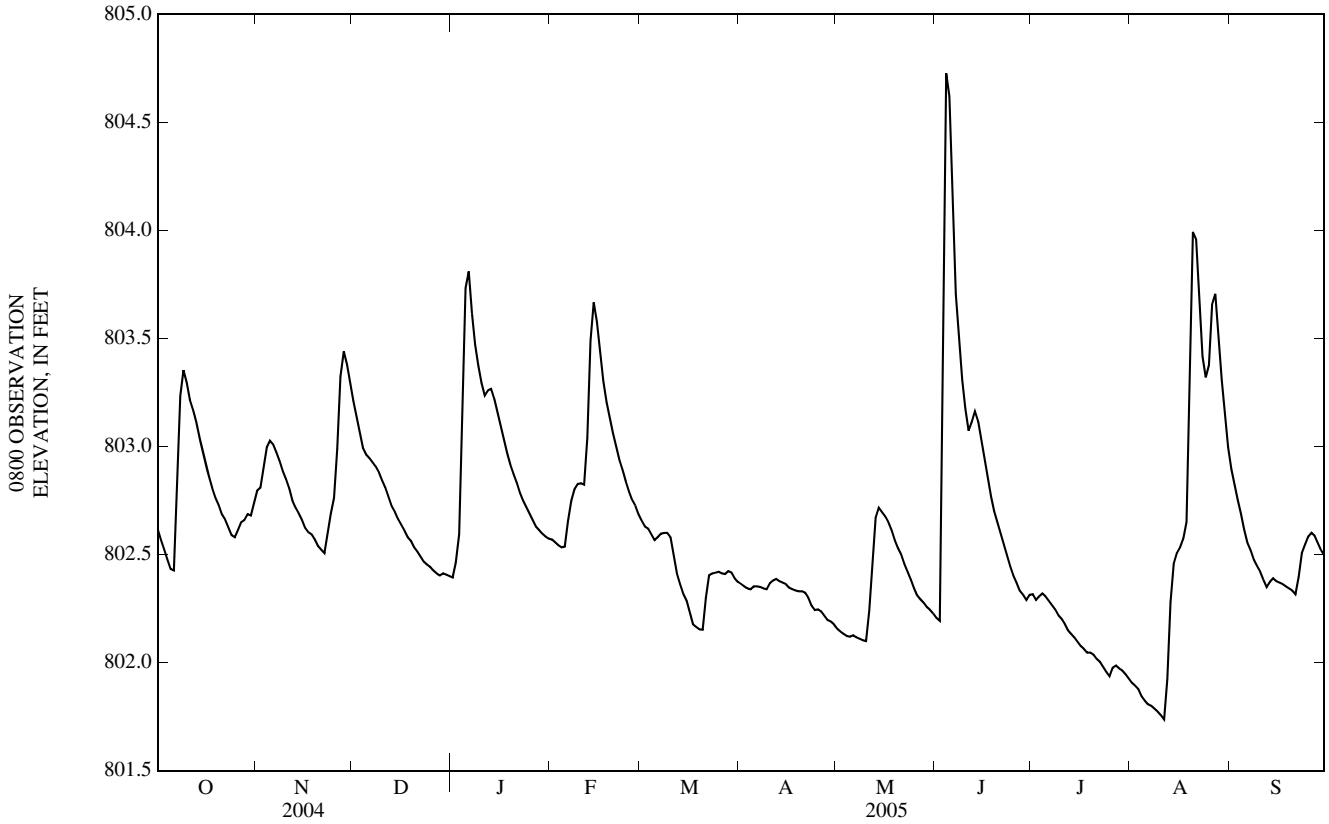
ELEVATION, IN FEET, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
OBSERVATION AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	802.65	802.77	803.27	802.40	802.57	802.67	802.37	802.17	802.22	802.33	801.92	802.95
2	802.60	802.81	803.18	802.39	802.57	802.65	802.36	802.15	802.20	802.31	801.90	802.87
3	802.55	802.81	803.11	802.50	802.55	802.62	802.35	802.14	802.19	802.28	801.89	802.80
4	802.51	802.95	803.04	802.64	802.54	802.62	802.34	802.13	804.22	802.32	801.87	802.73
5	802.46	803.02	802.97	803.05	802.53	802.58	802.34	802.12	804.98	802.32	801.83	802.67
6	802.42	803.03	802.96	803.85	802.54	802.56	802.36	802.12	804.44	802.30	801.82	802.59
7	802.43	803.00	802.94	803.79	802.71	802.59	802.35	802.13	803.94	802.28	801.80	802.54
8	802.98	802.96	802.92	803.53	802.77	802.60	802.35	802.11	803.59	802.26	801.80	802.51
9	803.36	802.92	802.90	803.44	802.82	802.60	802.34	802.11	803.45	802.24	801.78	802.46
10	803.35	802.87	802.87	803.34	802.83	802.60	802.34	802.10	803.24	802.21	801.77	802.44
11	803.27	802.84	802.83	803.27	802.83	802.57	802.38	802.10	803.14	802.20	801.75	802.41
12	803.19	802.79	802.80	803.22	802.82	802.46	802.38	802.31	803.04	802.17	801.73	802.37
13	803.16	802.73	802.75	803.28	803.15	802.39	802.39	802.55	803.15	802.14	802.02	802.34
14	803.09	802.71	802.71	803.26	803.66	802.35	802.37	802.73	803.17	802.13	802.41	802.39
15	803.02	802.68	802.69	803.20	803.67	802.30	802.37	802.71	803.09	802.11	802.48	802.39
16	802.96	802.65	802.65	803.13	803.53	802.28	802.36	802.69	802.99	802.09	802.52	802.37
17	802.90	802.61	802.63	803.07	803.39	802.21	802.34	802.67	802.91	802.07	802.54	802.37
18	802.84	802.60	802.60	803.01	803.26	802.18	802.34	802.64	802.83	802.06	802.59	802.36
19	802.79	802.59	802.57	802.95	803.18	802.22	802.33	802.60	802.74	802.04	802.68	802.35
20	802.75	802.56	802.56	802.90	803.11	802.27	802.33	802.55	802.68	802.05	803.70	802.34
21	802.72	802.53	802.52	802.86	803.04	802.33	802.33	802.52	802.63	802.03	804.14	802.33
22	802.67	802.52	802.51	802.82	802.98	802.39	802.32	802.49	802.58	802.01	803.87	802.31
23	802.66	802.50	802.48	802.77	802.92	802.42	802.29	802.44	802.53	802.00	803.57	802.44
24	802.61	802.65	802.46	802.74	802.88	802.41	802.25	802.41	802.48	801.97	803.34	802.54
25	802.58	802.71	802.45	802.71	802.82	802.42	802.24	802.37	802.43	801.95	803.31	802.55
26	802.58	802.79	802.44	802.68	802.78	802.42	802.25	802.33	802.39	801.93	803.41	802.60
27	802.63	803.09	802.42	802.65	802.74	802.41	802.23	802.30	802.36	802.00	803.78	802.60
28	802.66	803.44	802.41	802.62	802.72	802.41	802.21	802.29	802.32	801.98	803.67	802.58
29	802.66	803.44	802.40	802.61	---	802.43	802.19	802.27	802.31	801.97	803.45	802.54
30	802.70	803.35	802.42	802.59	---	802.41	802.19	802.25	802.28	801.96	803.24	802.51
31	802.67	---	802.40	802.58	---	802.38	---	802.24	---	801.94	803.09	---
MAX	803.36	803.44	803.27	803.85	803.67	802.67	802.39	802.73	804.98	802.33	804.14	802.95
MIN	802.42	802.50	802.40	802.39	802.53	802.15	802.19	802.10	802.19	801.93	801.73	802.31
(-)	11,400	11,900	11,200	11,300	11,400	11,200	11,000	11,100	11,100	10,800	11,700	11,300
(=)	0	+500	-700	+100	+100	-200	-200	+100	0	-300	+900	-400

CALYR 2004.... -1,100
WTR YR 2005.... -100

(-) Contents, in acre-feet, at the end of the month.
(=) Change in contents, in acre-feet.

06893885 BLUE SPRINGS RESERVOIR NEAR BLUE SPRINGS, MO—Continued



06893910 LITTLE BLUE RIVER AT 39TH STREET IN INDEPENDENCE, MO

LOCATION.--Lat 39°02'50" long 94°20'13", in NW$^1/_4$ SE$^1/_4$ sec. 21, T.49 N., R.31 W., Jackson County, Hydrologic Unit 10300101, on right bank 50 ft upstream from bridge on eastbound lane of 39th Street, about 0.75 mi north of Interstate 70 and about 14.8 mi upstream from the mouth.

DRAINAGE AREA.--158 mi^2

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 13, 2005 to current year.

GAGE.--Water-stage recorder. Datum of gage is unknown.

REMARKS.--Water-discharge records fair except for estimated daily discharge, which is poor. U.S.G.S. satellite telemeter at station.

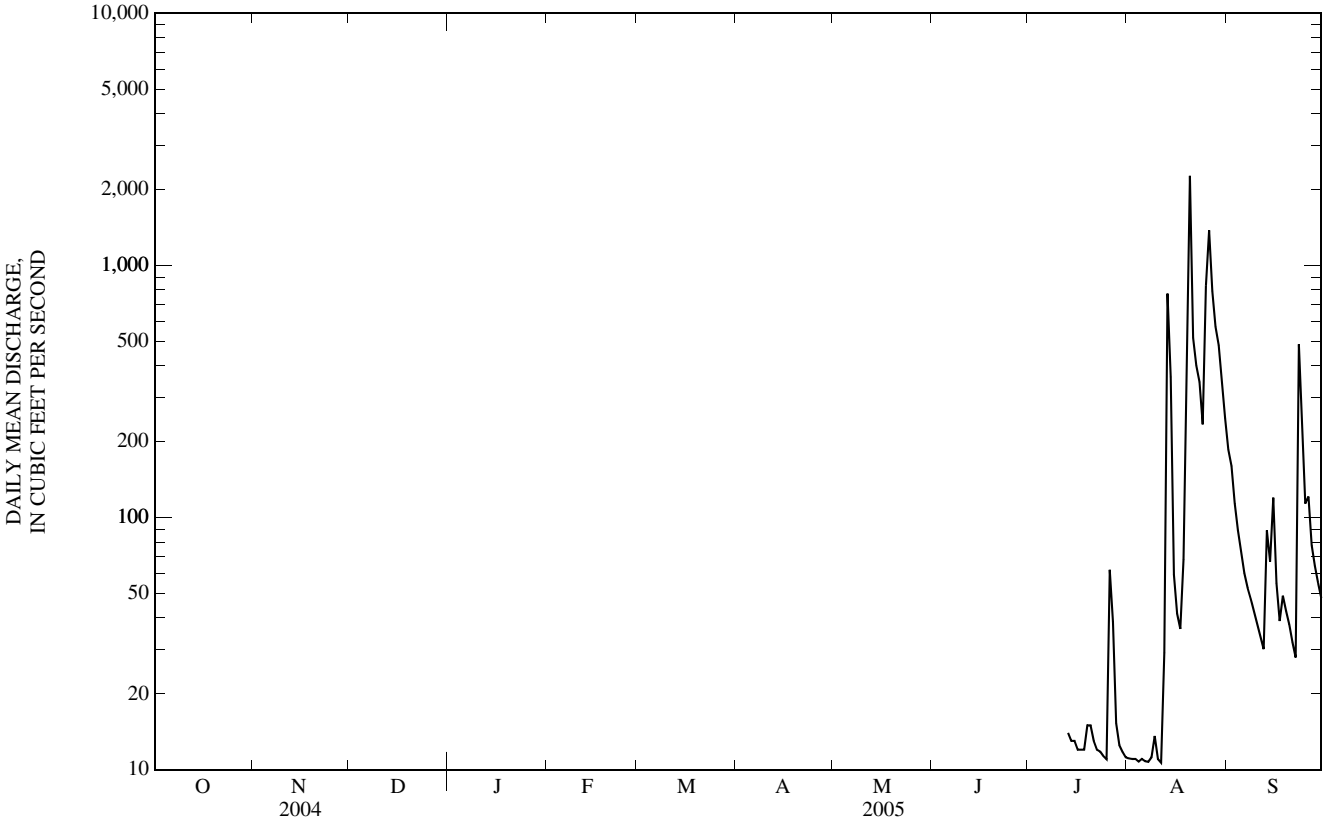
EXTREMES FOR CURRENT YEAR.--For the period July 13 to Sept. 30, maximum discharge unknown, gage height 37.59 ft, Aug. 20; minimum, 9.7 ft^3/s, Aug. 4.

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	---	---	---	---	---	---	---	---	---	---	11	186
2	---	---	---	---	---	---	---	---	---	---	11	160
3	---	---	---	---	---	---	---	---	---	---	11	114
4	---	---	---	---	---	---	---	---	---	---	11	89
5	---	---	---	---	---	---	---	---	---	---	11	73
6	---	---	---	---	---	---	---	---	---	---	11	60
7	---	---	---	---	---	---	---	---	---	---	11	53
8	---	---	---	---	---	---	---	---	---	---	11	47
9	---	---	---	---	---	---	---	---	---	---	14	42
10	---	---	---	---	---	---	---	---	---	---	11	38
11	---	---	---	---	---	---	---	---	---	---	11	34
12	---	---	---	---	---	---	---	---	---	---	29	30
13	---	---	---	---	---	---	---	---	---	14	773	89
14	---	---	---	---	---	---	---	---	---	13	361	67
15	---	---	---	---	---	---	---	---	---	13	59	120
16	---	---	---	---	---	---	---	---	---	12	42	55
17	---	---	---	---	---	---	---	---	---	12	36	39
18	---	---	---	---	---	---	---	---	---	12	68	49
19	---	---	---	---	---	---	---	---	---	15	353	43
20	---	---	---	---	---	---	---	---	---	15	2,270	38
21	---	---	---	---	---	---	---	---	---	13	516	32
22	---	---	---	---	---	---	---	---	---	12	401	28
23	---	---	---	---	---	---	---	---	---	12	345	487
24	---	---	---	---	---	---	---	---	---	11	234	225
25	---	---	---	---	---	---	---	---	---	11	e830	114
26	---	---	---	---	---	---	---	---	---	62	1,380	121
27	---	---	---	---	---	---	---	---	---	39	791	78
28	---	---	---	---	---	---	---	---	---	15	571	64
29	---	---	---	---	---	---	---	---	---	13	482	55
30	---	---	---	---	---	---	---	---	---	12	353	48
31	---	---	---	---	---	---	---	---	---	11	248	---

e Estimated

06893910 LITTLE BLUE RIVER AT 39TH STREET IN INDEPENDENCE, MO—Continued



06893910 LITTLE BLUE RIVER AT 39TH STREET IN INDEPENDENCE, MO—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 2005 to current year
pH: July 2005 to current year.
WATER TEMPERATURE: July 2005 to current year.
DISSOLVED OXYGEN: July 2005 to current year.
TURBIDITY: July 2005 to current year.

INSTRUMENTATION.-- Water-quality monitor operated since July 2005. U.S.G.S. satellite telemeter at station.

REMARKS.--Interruptions in the record are generally due to malfunction or fouling of the sensors. Detailed records of the procedures employed for specific periods of record have been included with the station analysis and are kept on file. The manufacturers' specified range for turbidity sensors used is 0 to 1,000 NTU. All values beyond this limit are considered erroneous and deleted. Values ≥ 1,000 NTU are possible, but cannot be quantified. Specific Conductance records are rated excellent, except for the following periods: August 14-15, 19 and 25, rated poor. pH records are rated excellent except for the following periods: August 19 and 25, rated poor. Water temperature records are rated excellent except for the following periods: August 19, rated good; August 25, rated poor. Dissolved oxygen records were deleted or missing for all or part of the following periods: July 22-26, August 14-16, and August 25-September 7. The remainder of the dissolved oxygen record is rated excellent or good, except for the following periods: September 18-21, August 19 rated fair; July 21-22, rated poor. Turbidity records were deleted or missing for all or part of the following periods: August 14, August 24-September 6. The remainder of the turbidity record is rated excellent or good, except for the following periods: August 13-15, 19-20, 23, rated poor.

EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 505 microsiemens, July 31, 2005, but may have been higher during periods of missing record; minimum recorded 199 microsiemens, September 13, 2005.
pH: Maximum recorded 8.4 standard units, August 13, 2005; minimum recorded 7.2 standard units, August 26 and 27, 2005.
WATER TEMPERATURE: Maximum recorded 33.1 °C, July 23, 2005; minimum recorded 17.3 °C, September 30, 2005.
DISSOLVED OXYGEN: Maximum recorded 9.5 mg/L, September 30, 2005, but may have been higher during periods of missing record; minimum recorded 4.0 mg/L, August 12, 2005, but may have been lower during periods of missing record.
TURBIDITY: Maximum recorded 990 NTU, July 26, 2005, but may have been higher during periods of missing record; minimum recorded 7.0 NTU (±2.0 NTU), September 10, 2005, but may have been lower during periods of missing record. Maximum turbidity may be ≥ 1,000 NTU, but exceeds the range of the instrument deployed.

TEMPERATURE, WATER, DEGREES CELSIUS
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	---	---	---	---	---	---	30.5	25.7	28.0	26.6	25.2	25.7
2	---	---	---	---	---	---	29.0	26.7	27.9	26.1	24.4	25.3
3	---	---	---	---	---	---	30.5	26.4	28.3	26.8	24.6	25.7
4	---	---	---	---	---	---	31.2	27.3	28.9	27.1	25.1	26.2
5	---	---	---	---	---	---	28.5	26.2	26.9	26.8	25.0	26.0
6	---	---	---	---	---	---	28.9	24.4	26.6	26.5	24.6	25.7
7	---	---	---	---	---	---	29.3	24.9	27.2	26.8	24.5	25.8
8	---	---	---	---	---	---	29.5	25.4	27.5	26.5	25.0	25.8
9	---	---	---	---	---	---	30.3	25.8	27.9	26.7	24.5	25.8
10	---	---	---	---	---	---	31.1	26.6	28.7	26.7	24.9	25.9
11	---	---	---	---	---	---	31.0	27.2	28.9	26.6	24.8	25.7
12	---	---	---	---	---	---	29.1	25.2	27.8	26.1	25.0	25.5
13	---	---	---	---	---	---	25.4	24.1	24.7	25.2	23.7	24.4
14	---	---	---	---	---	---	24.2	22.4	23.1	23.7	22.5	23.1
15	---	---	---	---	---	---	22.8	22.0	22.4	22.5	19.3	20.3
16	---	---	---	---	---	---	25.1	22.4	23.7	21.0	18.4	19.7
17	---	---	---	---	---	---	26.1	23.8	24.9	21.6	18.9	20.3
18	---	---	---	---	---	---	28.1	24.8	26.3	22.5	20.3	21.4
19	---	---	---	---	---	---	27.2	24.3	25.7	24.6	21.7	23.1
20	---	---	---	30.4	---	---	25.7	23.7	24.5	25.5	23.0	24.2
21	---	---	---	30.5	27.6	28.8	26.4	25.5	25.9	25.6	22.7	24.2
22	---	---	---	32.2	27.8	29.8	26.8	25.7	26.2	26.1	24.0	24.9
23	---	---	---	33.1	28.4	30.6	26.0	24.7	25.2	24.5	21.1	22.1
24	---	---	---	32.6	28.4	30.4	25.3	24.1	24.7	23.4	21.6	22.5
25	---	---	---	32.4	28.6	30.3	25.0	---	---	24.9	22.9	23.9
26	---	---	---	30.1	23.9	27.9	24.7	23.1	23.9	24.4	22.5	23.3
27	---	---	---	26.0	23.2	24.5	25.9	24.6	25.2	22.7	21.1	22.0
28	---	---	---	27.2	22.9	25.0	26.9	25.4	26.1	22.2	19.6	21.1
29	---	---	---	28.7	24.1	26.1	26.0	25.2	25.5	19.7	17.9	18.9
30	---	---	---	29.6	24.6	27.0	26.4	24.7	25.5	19.7	17.3	18.6
31	---	---	---	29.8	25.1	27.4	27.1	24.7	25.8	---	---	---
MONTH	---	---	---	33.1	22.9	28.0	31.2	22.0	26.1	27.1	17.3	23.6

06893910 LITTLE BLUE RIVER AT 39TH STREET IN INDEPENDENCE, MO—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—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	---	---	---	---	---	---	7.8	7.6	7.7	7.4	7.3	7.4
2	---	---	---	---	---	---	7.7	7.6	7.6	7.5	7.4	7.4
3	---	---	---	---	---	---	7.8	7.6	7.7	7.5	7.4	7.5
4	---	---	---	---	---	---	7.8	7.6	7.7	7.8	7.3	7.4
5	---	---	---	---	---	---	7.8	7.6	7.7	7.8	7.8	7.8
6	---	---	---	---	---	---	7.8	7.6	7.7	7.8	7.7	7.8
7	---	---	---	---	---	---	8.2	7.7	7.9	7.8	7.6	7.7
8	---	---	---	---	---	---	8.1	7.8	7.9	7.7	7.6	7.6
9	---	---	---	---	---	---	7.9	7.7	7.8	7.7	7.6	7.6
10	---	---	---	---	---	---	7.9	7.7	7.8	7.7	7.6	7.6
11	---	---	---	---	---	---	7.9	7.7	7.8	7.7	7.6	7.6
12	---	---	---	---	---	---	7.8	7.5	7.7	7.7	7.6	7.6
13	---	---	---	---	---	---	8.4	7.4	7.6	8.2	7.6	7.7
14	---	---	---	---	---	---	7.7	7.5	7.6	7.7	7.6	7.6
15	---	---	---	---	---	---	7.7	7.6	7.7	7.7	7.6	7.6
16	---	---	---	---	---	---	7.8	7.6	7.7	7.8	7.7	7.7
17	---	---	---	---	---	---	7.8	7.7	7.7	7.8	7.7	7.7
18	---	---	---	---	---	---	7.8	7.7	7.7	7.7	7.6	7.7
19	---	---	---	---	---	---	8.1	7.6	7.7	7.7	7.6	7.7
20	---	---	---	7.8	---	---	7.9	7.4	7.7	7.7	7.6	7.7
21	---	---	---	7.8	7.6	7.7	7.9	7.8	7.8	7.9	7.6	7.8
22	---	---	---	7.8	7.6	7.7	7.9	7.8	7.8	7.8	7.8	7.8
23	---	---	---	7.8	7.6	7.7	7.9	7.6	7.7	7.9	7.6	7.7
24	---	---	---	7.9	7.6	7.8	7.6	7.5	7.5	7.8	7.7	7.7
25	---	---	---	8.0	7.7	7.8	7.6	7.3	---	7.8	7.8	7.8
26	---	---	---	7.8	7.6	7.7	7.3	7.2	7.3	7.9	7.8	7.8
27	---	---	---	7.6	7.5	7.6	7.3	7.2	7.2	7.8	7.8	7.8
28	---	---	---	7.6	7.5	7.6	7.3	7.3	7.3	7.8	7.8	7.8
29	---	---	---	7.7	7.6	7.6	7.3	7.3	7.3	7.8	7.8	7.8
30	---	---	---	7.7	7.6	7.6	7.3	7.3	7.3	7.9	7.8	7.8
31	---	---	---	7.8	7.6	7.7	7.4	7.3	7.3	---	---	---
MONTH	---	---	---	8.0	7.5	7.7	8.4	7.2	7.6	8.2	7.3	7.7

06893910 LITTLE BLUE RIVER AT 39TH STREET IN INDEPENDENCE, MO—Continued

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
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	504	467	488	434	430	433
2	---	---	---	---	---	---	468	442	459	433	416	424
3	---	---	---	---	---	---	444	430	439	430	418	423
4	---	---	---	---	---	---	441	429	434	418	378	404
5	---	---	---	---	---	---	439	423	432	392	375	380
6	---	---	---	---	---	---	432	419	425	385	362	373
7	---	---	---	---	---	---	424	403	417	376	364	369
8	---	---	---	---	---	---	422	411	419	377	366	373
9	---	---	---	---	---	---	423	416	419	383	371	375
10	---	---	---	---	---	---	420	411	415	387	370	380
11	---	---	---	---	---	---	422	412	417	404	374	388
12	---	---	---	---	---	---	423	307	405	403	375	388
13	---	---	---	---	---	---	365	220	308	406	199	376
14	---	---	---	---	---	---	---	289	---	348	227	327
15	---	---	---	---	---	---	---	---	---	397	279	347
16	---	---	---	---	---	---	421	391	405	445	382	412
17	---	---	---	---	---	---	428	403	413	462	405	435
18	---	---	---	---	---	---	459	399	427	439	392	420
19	---	---	---	---	---	---	442	242	333	426	386	404
20	---	---	---	---	---	---	387	202	322	452	384	415
21	---	---	---	427	410	419	371	361	365	419	374	402
22	---	---	---	430	422	425	373	360	366	429	400	418
23	---	---	---	436	426	432	382	344	364	444	229	331
24	---	---	---	470	436	452	403	382	391	432	334	387
25	---	---	---	493	470	484	416	---	---	430	416	424
26	---	---	---	478	234	421	419	373	395	461	371	403
27	---	---	---	392	235	350	423	396	416	401	389	393
28	---	---	---	417	353	386	421	403	408	402	392	396
29	---	---	---	440	417	430	407	387	401	403	393	398
30	---	---	---	452	427	434	426	405	418	418	398	407
31	---	---	---	505	452	491	433	414	422	---	---	---
MONTH	---	---	---	505	234	429	504	202	404	462	199	394

06893910 LITTLE BLUE RIVER AT 39TH STREET IN INDEPENDENCE, MO—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
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	8.1	6.1	6.8	---	---	---
2	---	---	---	---	---	---	7.3	5.9	6.5	---	---	---
3	---	---	---	---	---	---	7.7	5.7	6.5	---	---	---
4	---	---	---	---	---	---	7.9	5.8	6.6	---	---	---
5	---	---	---	---	---	---	7.3	5.8	6.4	---	---	---
6	---	---	---	---	---	---	7.6	5.9	6.6	---	---	---
7	---	---	---	---	---	---	9.1	6.2	7.4	7.0	---	---
8	---	---	---	---	---	---	8.6	6.2	7.0	6.9	6.3	6.5
9	---	---	---	---	---	---	7.0	5.6	6.2	7.2	6.3	6.6
10	---	---	---	---	---	---	6.5	5.3	5.8	7.3	6.4	6.7
11	---	---	---	---	---	---	6.2	4.9	5.4	7.5	6.6	6.9
12	---	---	---	---	---	---	5.0	4.0	4.6	7.7	6.7	7.0
13	---	---	---	---	---	---	---	---	---	7.9	6.7	7.1
14	---	---	---	---	---	---	---	---	---	7.5	6.5	6.8
15	---	---	---	---	---	---	---	---	---	8.5	6.7	7.9
16	---	---	---	---	---	---	7.5	---	---	8.7	8.2	8.4
17	---	---	---	---	---	---	7.1	6.5	6.8	9.1	8.0	8.4
18	---	---	---	---	---	---	6.8	6.3	6.5	8.2	7.5	7.9
19	---	---	---	---	---	---	7.1	6.3	6.7	8.0	6.9	7.4
20	---	---	---	7.4	---	---	7.4	5.3	6.9	7.7	6.6	7.0
21	---	---	---	7.4	5.8	6.4	7.5	7.2	7.3	7.8	6.4	7.0
22	---	---	---	7.0	5.8	6.3	7.5	7.2	7.3	8.6	6.4	7.1
23	---	---	---	---	---	---	7.2	7.0	7.1	7.6	6.4	7.3
24	---	---	---	---	---	---	7.2	6.4	7.1	7.4	7.1	7.3
25	---	---	---	---	---	---	---	6.3	---	7.7	7.0	7.2
26	---	---	---	6.9	---	---	---	---	---	7.4	6.9	7.1
27	---	---	---	6.8	6.1	6.5	---	---	---	8.1	7.2	7.6
28	---	---	---	7.1	6.0	6.5	---	---	---	7.9	7.4	7.6
29	---	---	---	7.5	6.2	6.7	---	---	---	9.2	7.8	8.4
30	---	---	---	7.7	6.2	6.8	---	---	---	9.5	8.3	8.7
31	---	---	---	8.1	6.2	6.9	---	---	---	---	---	---
MONTH	---	---	---	8.1	5.8	6.6	9.1	4.0	6.6	9.5	6.3	7.4

TURBIDITY, WATER, UNFILTERED, FIELD, NEPHELOMETRIC TURBIDITY UNITS
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	---	---	---	---	---	---	30	15	20	---	---	---
2	---	---	---	---	---	---	30	15	20	---	---	---
3	---	---	---	---	---	---	26	15	20	---	---	---
4	---	---	---	---	---	---	24	13	19	---	---	---
5	---	---	---	---	---	---	25	16	20	---	---	---
6	---	---	---	---	---	---	25	14	20	---	---	---
7	---	---	---	---	---	---	34	21	25	18	11	15
8	---	---	---	---	---	---	41	20	26	17	11	13
9	---	---	---	---	---	---	32	18	25	19	9.0	13
10	---	---	---	---	---	---	28	15	21	16	7.0	11
11	---	---	---	---	---	---	35	15	22	17	8.0	12
12	---	---	---	---	---	---	400	19	52	75	8.0	14
13	---	---	---	---	---	---	940	---	---	920	8.0	84
14	---	---	---	---	---	---	---	---	---	260	42	85
15	---	---	---	---	---	---	---	43	---	230	37	68
16	---	---	---	---	---	---	44	33	38	40	17	24
17	---	---	---	---	---	---	96	31	44	18	11	14
18	---	---	---	---	---	---	210	31	66	36	13	20
19	---	---	---	---	---	---	820	36	280	31	14	21
20	---	---	---	---	15	---	---	97	---	22	12	17
21	---	---	---	30	14	20	99	56	78	27	10	16
22	---	---	---	24	13	19	66	46	57	20	9.0	14
23	---	---	---	28	13	19	---	52	---	690	13	230
24	---	---	---	25	14	18	---	---	---	110	27	54
25	---	---	---	23	13	17	---	---	---	28	16	22
26	---	---	---	990	15	100	---	---	---	110	18	38
27	---	---	---	190	40	61	---	---	---	23	17	20
28	---	---	---	43	24	32	---	---	---	36	16	21
29	---	---	---	32	21	26	---	---	---	21	14	16
30	---	---	---	30	18	23	---	---	---	83	14	26
31	---	---	---	26	14	20	---	---	---	---	---	---
MONTH	---	---	---	990	13	32	940	13	47	920	7.0	36

06893940 CRACKERNECK CREEK AT SELSA ROAD IN INDEPENDENCE, MO

LOCATION.--Lat 39°03'10", long 94°20'42", in SW$^1/_4$ NE$^1/_4$ sec. 16, T.49 N., R.31 W., Jackson County, Hydrologic Unit 10300101, on left bank on upstream side of bridge on Selsa Road in Independence.

DRAINAGE AREA.--6.6 mi^2.

PERIOD OF RECORD.--July 7, 2005 to current year.

GAGE.--Water-stage recorder. Datum of gage is unknown.

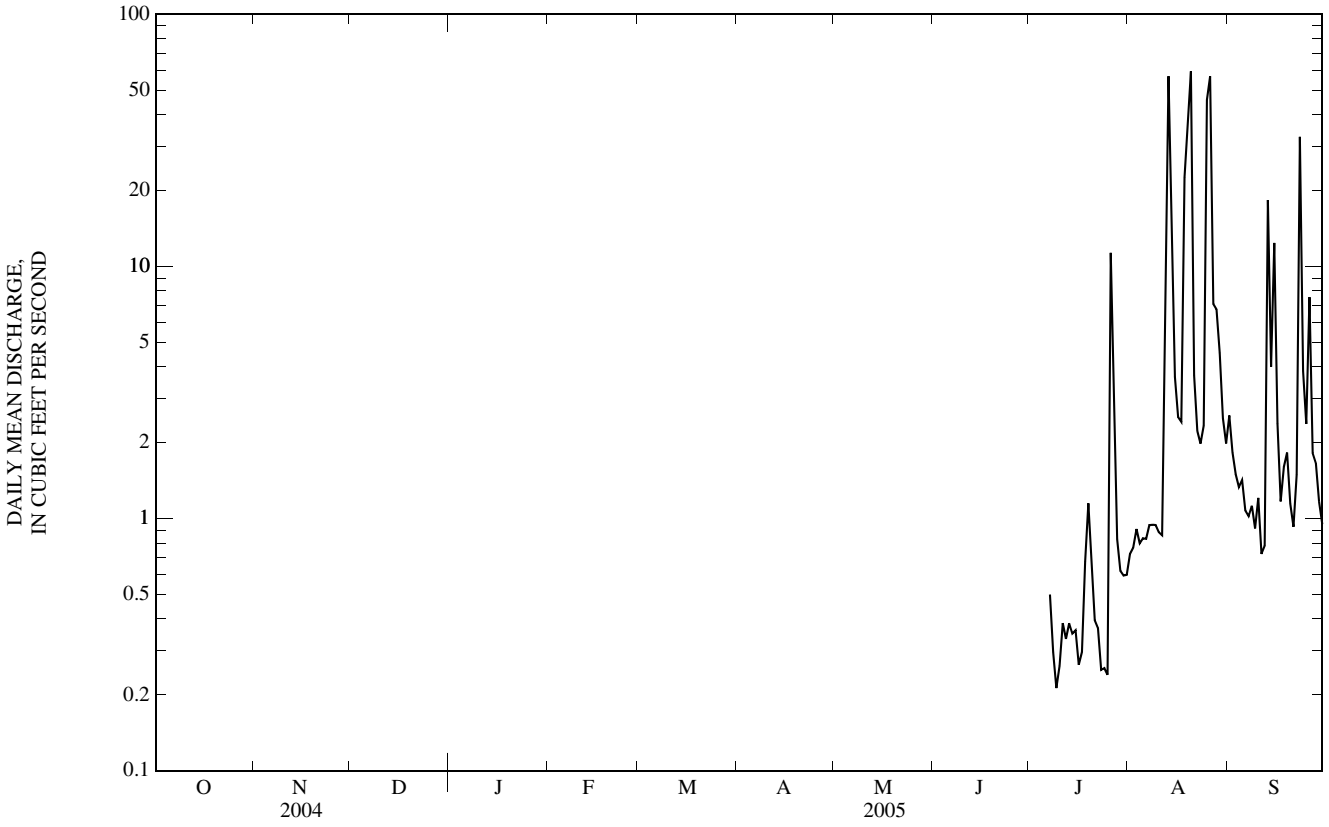
REMARKS.--Records fair except for discharges above 100 ft^3/s, which are poor. U.S.G.S. satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--For the period July 7 to Sept. 30, maximum discharge unknown, gage height 9.44 ft, Aug. 20; minimum, 0.09 ft^3/s, July 9.

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	---	---	---	---	---	---	---	---	---	---	0.72	2.6
2	---	---	---	---	---	---	---	---	---	---	0.76	1.8
3	---	---	---	---	---	---	---	---	---	---	0.91	1.5
4	---	---	---	---	---	---	---	---	---	---	0.80	1.3
5	---	---	---	---	---	---	---	---	---	---	0.83	1.4
6	---	---	---	---	---	---	---	---	---	---	0.83	1.1
7	---	---	---	---	---	---	---	---	---	0.50	0.94	1.0
8	---	---	---	---	---	---	---	---	---	0.30	0.94	1.1
9	---	---	---	---	---	---	---	---	---	0.21	0.94	0.91
10	---	---	---	---	---	---	---	---	---	0.26	0.88	1.2
11	---	---	---	---	---	---	---	---	---	0.38	0.86	0.72
12	---	---	---	---	---	---	---	---	---	0.33	7.7	0.78
13	---	---	---	---	---	---	---	---	---	0.38	57	18
14	---	---	---	---	---	---	---	---	---	0.35	15	4.0
15	---	---	---	---	---	---	---	---	---	0.36	3.6	12
16	---	---	---	---	---	---	---	---	---	0.26	2.5	2.4
17	---	---	---	---	---	---	---	---	---	0.30	2.4	1.2
18	---	---	---	---	---	---	---	---	---	0.68	23	1.6
19	---	---	---	---	---	---	---	---	---	1.2	38	1.8
20	---	---	---	---	---	---	---	---	---	0.71	59	1.1
21	---	---	---	---	---	---	---	---	---	0.40	3.7	0.93
22	---	---	---	---	---	---	---	---	---	0.37	2.2	1.5
23	---	---	---	---	---	---	---	---	---	0.25	2.0	33
24	---	---	---	---	---	---	---	---	---	0.26	2.3	3.9
25	---	---	---	---	---	---	---	---	---	0.24	46	2.4
26	---	---	---	---	---	---	---	---	---	11	57	7.5
27	---	---	---	---	---	---	---	---	---	2.4	7.1	1.8
28	---	---	---	---	---	---	---	---	---	0.83	6.8	1.7
29	---	---	---	---	---	---	---	---	---	0.62	4.5	1.2
30	---	---	---	---	---	---	---	---	---	0.59	2.5	0.95
31	---	---	---	---	---	---	---	---	---	0.60	2.0	---

06893940 CRACKERNECK CREEK ON SELSA ROAD IN INDEPENDENCE, MO—Continued



06893970 SPRING BRANCH CREEK AT HOLKE ROAD IN INDEPENDENCE, MO

LOCATION.--Lat 39°05'18", long 94°20'36", in NE¼ SW¼ sec. 4, T.49 N., R.31 W., Jackson County, Hydrologic Unit 10300101, on left upstream bank just off Holke Road in Independence.

DRAINAGE AREA.--10.7 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 8, 2005 to current year.

GAGE.--Water stage recorder. Datum of gage is unknown

REMARKS.--Water-discharge records fair except for estimated daily discharges and discharges above 350 ft^3/s, which are poor. U.S.G.S. satellite telemeter at station

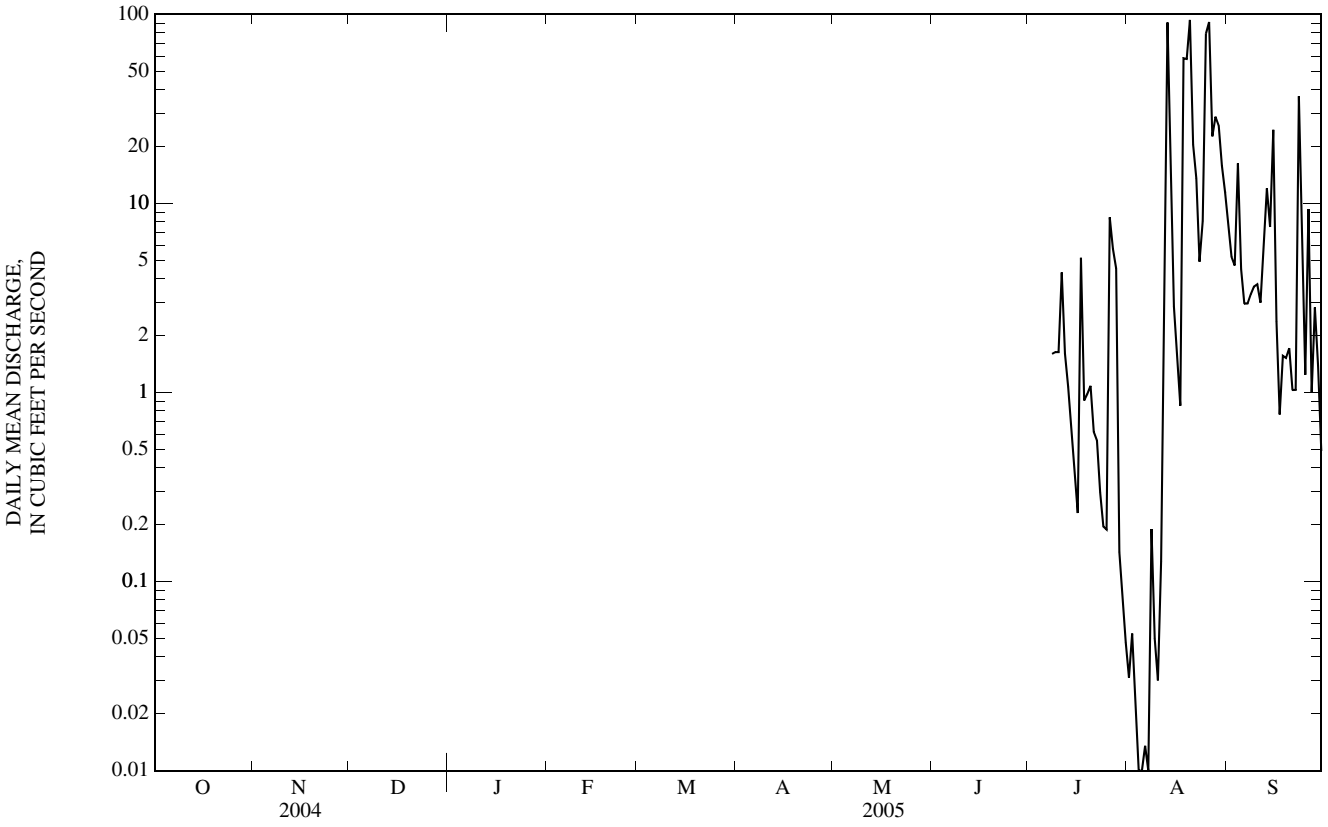
EXTREMES FOR CURRENT YEAR.--For the period July 8 to Sept. 30, maximum discharge unknown, gage height 23.36 ft, Aug. 20; minimum 0.00 ft^3/s, Aug. 4, 5, and 7.

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	---	---	---	---	---	---	---	---	---	---	0.03	7.6
2	---	---	---	---	---	---	---	---	---	---	0.05	5.2
3	---	---	---	---	---	---	---	---	---	---	e0.02	4.7
4	---	---	---	---	---	---	---	---	---	---	e0.01	16
5	---	---	---	---	---	---	---	---	---	---	e0.01	4.5
6	---	---	---	---	---	---	---	---	---	---	0.01	3.0
7	---	---	---	---	---	---	---	---	---	---	0.01	3.0
8	---	---	---	---	---	---	---	---	---	1.6	0.19	3.3
9	---	---	---	---	---	---	---	---	---	1.6	e0.05	3.6
10	---	---	---	---	---	---	---	---	---	1.6	e0.03	3.7
11	---	---	---	---	---	---	---	---	---	4.3	0.13	3.0
12	---	---	---	---	---	---	---	---	---	1.6	8.3	5.8
13	---	---	---	---	---	---	---	---	---	1.1	91	12
14	---	---	---	---	---	---	---	---	---	0.59	27	7.5
15	---	---	---	---	---	---	---	---	---	0.35	2.8	25
16	---	---	---	---	---	---	---	---	---	0.23	1.6	2.4
17	---	---	---	---	---	---	---	---	---	5.2	0.85	0.77
18	---	---	---	---	---	---	---	---	---	0.91	59	1.6
19	---	---	---	---	---	---	---	---	---	0.98	58	1.5
20	---	---	---	---	---	---	---	---	---	1.1	93	1.7
21	---	---	---	---	---	---	---	---	---	0.62	20	1.0
22	---	---	---	---	---	---	---	---	---	0.56	14	1.0
23	---	---	---	---	---	---	---	---	---	0.30	4.9	37
24	---	---	---	---	---	---	---	---	---	0.20	8.1	8.9
25	---	---	---	---	---	---	---	---	---	0.19	79	1.2
26	---	---	---	---	---	---	---	---	---	8.4	91	9.3
27	---	---	---	---	---	---	---	---	---	5.7	23	1.00
28	---	---	---	---	---	---	---	---	---	4.5	29	2.8
29	---	---	---	---	---	---	---	---	---	0.14	26	1.4
30	---	---	---	---	---	---	---	---	---	0.09	16	0.49
31	---	---	---	---	---	---	---	---	---	0.05	11	---

e Estimated

06893970 SPRING BRANCH CREEK AT HOLKE ROAD IN INDEPENDENCE, MO—Continued



06893970 SPRING BRANCH CREEK AT HOLKE ROAD IN INDEPENDENCE, MO—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 2005 to current year.
pH: July 2005 to current year.
WATER TEMPERATURE: July 2005 to current year.
DISSOLVED OXYGEN: July 2005 to current year.
TURBIDITY: July 2005 to current year.

INSTRUMENTATION.--Water-quality monitor operated since July 2005. U.S.G.S. satelllite telemeter at station.

REMARKS.-- Interruptions in the record are generally due to malfunction or fouling of the sensors. Detailed records of the procedures employed for specific periods of record have been included with the station analysis and are kept on file. The manufacturers' specified range for turbidity sensors used is 0 to 1,000 NTU. All values beyond this limit are considered erroneous and deleted. Values $\geq$ 1,000 NTU are possible, but cannot be quantified. Specific Conductance records are rated excellent or good, except for the following periods: August 14-17 and 27, rated fair; August 28-30, rated poor. pH records are rated either excellent or good except for the following periods: September 20, rated fair. Water temperature records are rated excellent except for the following periods: September 18-20, rated good. Dissolved oxygen records were deleted or missing for all or part of the following periods: July 18-20, August 27-30, September 18-20, and 23-26. The remainder of the dissolved oxygen records are rated excellent or good except for the following periods: September 30 rated fair; August 8-17, 26-27, 30, September 14-18, 26, rated poor. Turbidity records were deleted or missing for all or part of the following periods: August 27-30. The remainder of the turbidity record is rated excellent or good except for the following periods: August 13, 18-19, rated fair; August 26, 30, September 18-19, 23, rated poor.

EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 952 microsiemens, September 4, 2005; minimum recorded 141 microsiemens, August 20, 2005.
pH: Maximum recorded 8.8 standard units, August 8, 2005; minimum recorded 7.3 standard units, September 23, 2005.
WATER TEMPERATURE: Maximum recorded 31.6 ^{o}C, July 25, 2005; minimum recorded 12.8 ^{o}C, September 30, 2005.
DISSOLVED OXYGEN: Maximum recorded 14.5 mg/L, September 12, 2005; minimum recorded 0.0 mg/L, August 13, 2005, but rated poor and may be the result of sediment contact with the DO probe membrane.
TURBIDITY: Maximum recorded 990 NTU, August 20, 25, 2005; minimum recorded 1.0 NTU, September 20, 21, 2005 ($\pm$2.0 NTU), but may have been lower during periods of missing record. Maximum turbidity may be $\geq$ 1,000 NTU, but exceeds the range of the instrument deployed.

TEMPERATURE, WATER, DEGREES CELSIUS
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	---	---	---	---	---	---	29.1	23.4	26.0	22.8	20.9	21.7
2	---	---	---	---	---	---	27.1	24.5	25.9	23.3	19.8	21.4
3	---	---	---	---	---	---	29.5	24.8	26.8	24.0	20.1	22.0
4	---	---	---	---	---	---	30.3	25.6	27.5	24.1	20.8	22.5
5	---	---	---	---	---	---	26.5	24.0	24.9	24.2	20.7	22.4
6	---	---	---	---	---	---	27.2	21.7	24.4	24.2	20.6	22.4
7	---	---	---	---	---	---	27.5	22.4	25.0	24.4	20.8	22.6
8	---	---	---	---	---	---	26.4	22.7	24.1	24.0	21.2	22.6
9	---	---	---	---	---	---	26.5	22.0	24.2	24.6	21.0	22.8
10	---	---	---	---	---	---	28.4	23.7	26.1	24.6	21.3	23.0
11	---	---	---	---	---	---	29.3	24.9	26.9	24.5	21.1	22.9
12	---	---	---	---	---	---	27.2	24.1	25.8	24.5	21.6	23.0
13	---	---	---	28.2	---	---	24.6	22.7	23.6	23.4	21.5	22.3
14	---	---	---	28.6	23.3	25.9	22.7	20.7	21.4	23.1	20.5	21.7
15	---	---	---	29.3	24.1	26.5	21.6	20.4	21.0	20.5	17.7	18.4
16	---	---	---	29.2	24.6	26.8	24.6	20.8	22.5	19.4	16.3	17.9
17	---	---	---	27.0	21.5	25.1	24.9	21.5	23.2	19.9	16.1	18.0
18	---	---	---	28.1	23.8	25.7	26.8	22.6	24.8	21.9	18.4	19.9
19	---	---	---	25.8	23.0	24.3	26.3	23.1	24.5	23.9	20.6	22.0
20	---	---	---	30.2	23.9	26.6	23.5	22.5	22.9	23.9	21.2	22.6
21	---	---	---	29.6	25.9	27.7	23.5	21.5	22.5	23.9	19.6	21.9
22	---	---	---	30.7	25.9	28.2	24.8	21.6	22.9	24.1	21.3	22.9
23	---	---	---	31.5	26.1	28.6	22.5	20.9	21.5	22.9	20.2	20.9
24	---	---	---	31.5	26.5	28.8	22.2	20.2	21.2	23.2	20.3	21.6
25	---	---	---	31.6	26.7	28.9	22.5	21.8	22.1	23.9	21.1	22.5
26	---	---	---	28.7	22.3	26.3	23.6	21.2	22.4	22.7	19.5	21.3
27	---	---	---	25.1	20.2	22.6	24.0	20.8	22.3	20.3	17.3	18.9
28	---	---	---	24.9	19.4	22.3	24.1	21.1	22.5	18.8	16.2	17.9
29	---	---	---	26.1	20.6	23.2	23.6	20.5	22.1	16.2	13.5	15.0
30	---	---	---	27.7	22.2	24.8	23.6	20.3	21.9	16.9	12.8	14.8
31	---	---	---	28.0	23.0	25.4	24.0	20.4	22.2	---	---	---
MONTH	---	---	---	31.6	19.4	26.0	30.3	20.2	23.7	24.6	12.8	21.0

06893970 SPRING BRANCH CREEK AT HOLKE ROAD IN INDEPENDENCE, MO—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	8.0	7.8	7.9	8.0	8.0	8.0
2	---	---	---	---	---	---	7.9	7.7	7.8	8.1	7.9	8.0
3	---	---	---	---	---	---	7.9	7.7	7.8	8.1	7.9	8.0
4	---	---	---	---	---	---	8.1	7.8	7.9	8.1	7.9	8.0
5	---	---	---	---	---	---	8.1	7.8	7.9	8.0	7.8	7.9
6	---	---	---	---	---	---	8.1	7.8	8.0	8.0	7.8	7.9
7	---	---	---	---	---	---	8.0	7.8	7.9	8.0	7.9	7.9
8	---	---	---	---	---	---	8.8	7.8	8.2	8.0	7.8	7.9
9	---	---	---	---	---	---	8.6	7.8	8.2	8.1	7.9	8.0
10	---	---	---	---	---	---	7.8	7.7	7.7	8.1	7.8	7.9
11	---	---	---	---	---	---	7.9	7.6	7.7	8.1	7.8	7.9
12	---	---	---	---	---	---	8.0	7.7	7.8	8.2	7.8	7.9
13	---	---	---	8.0	---	---	8.1	7.6	7.8	8.0	7.7	7.9
14	---	---	---	8.0	7.8	7.9	8.0	7.8	7.9	7.7	7.5	7.5
15	---	---	---	8.0	7.8	7.9	8.0	7.9	8.0	7.6	7.5	7.5
16	---	---	---	8.0	7.7	7.9	8.0	8.0	8.0	7.6	7.5	7.6
17	---	---	---	8.5	7.7	8.0	8.0	7.9	8.0	7.8	7.6	7.7
18	---	---	---	8.0	7.7	7.8	8.0	7.6	7.8	7.8	7.6	7.7
19	---	---	---	8.0	7.8	7.9	7.9	7.6	7.8	7.8	7.7	7.8
20	---	---	---	8.0	7.8	7.8	7.9	7.7	7.8	8.0	7.7	7.9
21	---	---	---	7.9	7.7	7.8	8.0	7.9	7.9	7.8	7.6	7.7
22	---	---	---	7.9	7.7	7.8	8.1	7.9	8.0	7.8	7.6	7.7
23	---	---	---	8.0	7.7	7.8	8.0	8.0	8.0	7.7	7.3	7.5
24	---	---	---	8.0	7.7	7.9	8.0	7.9	8.0	7.6	7.4	7.5
25	---	---	---	8.0	7.8	7.9	8.0	7.7	7.8	7.7	7.6	7.6
26	---	---	---	8.0	7.8	7.9	7.9	7.6	7.7	7.9	7.7	7.8
27	---	---	---	7.9	7.8	7.8	7.9	7.7	7.8	7.7	7.7	7.7
28	---	---	---	8.0	7.8	7.9	7.9	7.8	7.9	7.9	7.7	7.8
29	---	---	---	7.9	7.6	7.8	8.0	7.9	8.0	7.9	7.8	7.8
30	---	---	---	7.9	7.7	7.8	8.0	7.9	8.0	7.8	7.7	7.8
31	---	---	---	8.0	7.7	7.8	8.0	8.0	8.0	---	---	---
MONTH	---	---	---	8.5	7.6	7.9	8.8	7.6	7.9	8.2	7.3	7.8

06893970 SPRING BRANCH CREEK AT HOLKE ROAD IN INDEPENDENCE, MO—Continued

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
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	587	581	584	838	814	822
2	---	---	---	---	---	---	604	586	593	852	828	843
3	---	---	---	---	---	---	607	599	602	843	817	829
4	---	---	---	---	---	---	601	585	597	952	614	748
5	---	---	---	---	---	---	597	585	591	689	628	658
6	---	---	---	---	---	---	594	580	586	750	689	712
7	---	---	---	---	---	---	606	585	591	781	750	762
8	---	---	---	---	---	---	601	458	542	796	777	785
9	---	---	---	---	---	---	519	463	484	811	789	799
10	---	---	---	---	---	---	548	510	524	836	811	824
11	---	---	---	---	---	---	574	538	555	834	795	817
12	---	---	---	---		---	673	291	575	919	792	837
13	---	---	---	---	723	---	439	201	285	945	414	869
14	---	---	---	809	740	762	445	296	366	654	357	575
15	---	---	---	829	793	811	584	445	520	647	329	454
16	---	---	---	805	781	793	663	584	627	507	384	442
17	---	---	---	792	486	641	706	663	689	607	507	556
18	---	---	---	874	618	711	707	172	328	712	607	647
19	---	---	---	891	796	851	463	171	355	732	687	717
20	---	---	---	860	813	828	658	141	435	777	687	749
21	---	---	---	817	792	804	762	658	725	762	749	755
22	---	---	---	792	762	773	807	685	746	757	738	748
23	---	---	---	773	753	764	802	697	760	742	306	426
24	---	---	---	773	735	752	803	690	791	521	379	459
25	---	---	---	755	721	740	772	147	444	616	521	570
26	---	---	---	725	283	637	625	153	424	693	525	604
27	---	---	---	402	284	357	657	493	599	556	518	529
28	---	---	---	526	402	469	731	657	696	721	556	623
29	---	---	---	534	504	517	---	680	---	760	690	717
30	---	---	---	565	532	550	813	---	---	717	656	678
31	---	---	---	583	565	574	824	814	821	---	---	---
MONTH	---	---	---	891	283	685	824	141	567	952	306	685

06893970 SPRING BRANCH CREEK AT HOLKE ROAD IN INDEPENDENCE, MO—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
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	9.8	4.9	7.0	9.2	7.3	8.1
2	---	---	---	---	---	---	9.9	3.9	6.9	10.3	7.2	8.5
3	---	---	---	---	---	---	10.3	4.6	7.2	10.8	7.0	8.4
4	---	---	---	---	---	---	11.1	4.6	7.9	8.6	7.0	7.6
5	---	---	---	---	---	---	10.1	4.6	7.3	9.0	6.7	7.6
6	---	---	---	---	---	---	12.1	4.3	7.7	9.9	6.6	7.9
7	---	---	---	---	---	---	11.3	4.5	7.2	11.4	6.5	8.3
8	---	---	---	---	---	---	9.0	4.3	6.2	11.6	6.4	8.3
9	---	---	---	---	---	---	6.5	1.1	4.6	12.8	6.1	8.7
10	---	---	---	---	---	---	6.0	1.5	3.3	13.0	5.6	8.6
11	---	---	---	---	---	---	7.4	1.1	3.7	14.3	5.5	8.8
12	---	---	---	---	---	---	6.8	2.0	4.8	14.5	5.1	8.0
13	---	---	---	10.9	---	---	8.0	0.0	5.4	11.3	5.3	7.1
14	---	---	---	11.7	5.3	7.6	8.6	7.8	8.3	8.5	2.5	5.2
15	---	---	---	12.2	4.7	7.7	8.4	7.8	8.1	7.8	2.7	6.5
16	---	---	---	13.0	4.1	7.7	8.0	3.6	5.8	9.1	2.2	6.5
17	---	---	---	9.0	3.8	6.6	8.4	4.5	6.4	10.3	3.3	6.6
18	---	---	---	---	5.0	---	7.5	6.2	6.8	10.0	---	---
19	---	---	---	---	---	---	7.6	6.3	6.9	---	---	---
20	---	---	---	10.6	---	---	7.5	7.2	7.4	10.6	---	---
21	---	---	---	10.6	3.9	6.4	7.7	7.2	7.4	10.7	5.4	7.5
22	---	---	---	11.1	3.1	6.6	7.7	7.2	7.4	10.3	4.9	6.9
23	---	---	---	11.8	3.6	6.9	7.6	7.3	7.5	---	5.0	---
24	---	---	---	11.2	3.4	7.1	7.8	7.5	7.7	---	---	---
25	---	---	---	10.8	3.9	7.3	7.9	7.5	7.7	---	---	---
26	---	---	---	8.6	4.3	6.9	8.0	2.8	6.2	8.1	---	---
27	---	---	---	8.7	6.9	8.1	---	6.1	---	8.8	7.4	7.9
28	---	---	---	9.6	6.8	8.1	---	---	---	8.7	7.5	8.1
29	---	---	---	8.3	4.4	7.2	---	---	---	9.9	8.5	9.1
30	---	---	---	8.6	5.1	6.4	8.3	---	---	10.2	8.3	9.2
31	---	---	---	8.7	4.9	6.7	8.8	7.3	8.0	---	---	---
MONTH	---	---	---	13.0	3.1	7.2	12.1	0.0	6.7	14.5	2.2	7.8

06893970 SPRING BRANCH CREEK AT HOLKE ROAD IN INDEPENDENCE, MO—Continued

TURBIDITY, WATER, UNFILTERED, FIELD, NEPHELOMETRIC TURBIDITY UNITS
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	8.0	16	140	5.0	10
2	---	---	---	---	---	---	44	10	17	7.0	3.0	4.7
3	---	---	---	---	---	---	44	8.0	15	40	3.0	6.5
4	---	---	---	---	---	---	50	7.0	16	100	6.0	44
5	---	---	---	---	---	---	25	9.0	14	63	9.0	20
6	---	---	---	---	---	---	22	7.0	13	15	5.0	9.0
7	---	---	---	---	---	---	29	11	15	11	5.0	6.8
8	---	---	---	---	---	---	460	11	95	20	4.0	7.6
9	---	---	---	---	---	---	130	24	67	17	3.0	6.0
10	---	---	---	---	---	---	77	24	42	12	3.0	5.8
11	---	---	---	---	---	---	48	15	28	17	3.0	5.7
12	---	---	---	---	---	---	600	19	92	11	3.0	5.2
13	---	---	---	---	11	---	930	82	250	760	4.0	54
14	---	---	---	25	7.9	16	750	21	89	140	17	41
15	---	---	---	22	7.9	13	23	9.0	16	610	18	140
16	---	---	---	22	7.8	15	180	8.0	18	200	97	120
17	---	---	---	660	12	96	14	5.0	8.2	390	73	140
18	---	---	---	45	12	26	950	7.0	210	660	71	150
19	---	---	---	33	9.5	15	620	27	140	---	---	---
20	---	---	---	53	10	18	990	21	160	---	1.0	---
21	---	---	---	24	11	18	21	7.0	13	31	1.0	5.0
22	---	---	---	34	10	19	87	8.0	30	11	2.0	4.6
23	---	---	---	31	9.2	16	58	6.0	21	900	6.0	320
24	---	---	---	66	8.2	16	900	6.0	38	140	95	110
25	---	---	---	73	10	18	990	44	180	230	24	59
26	---	---	---	880	9.1	110	---	---	---	250	21	55
27	---	---	---	120	30	54	---	---	---	50	7.0	14
28	---	---	---	220	24	89	---	---	---	46	9.0	17
29	---	---	---	75	21	44	---	---	---	25	6.0	12
30	---	---	---	55	11	24	---	5.0	---	160	4.0	13
31	---	---	---	47	8.0	18	27	4.0	7.3	---	---	---
MONTH	---	---	---	880	7.8	35	990	4.0	62	900	1.0	49

06894000 LITTLE BLUE RIVER NEAR LAKE CITY, MO

LOCATION.--Lat 39°06'02", long 94°18'01", in SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.35, T.50 N., R.31 W., Jackson County, Hydrologic Unit 10300101, on right bank 50 ft downstream from bridge on west bound lane of State Highway 78, 3.0 mi southwest of Lake City, and 10.5 mi upstream from mouth.

DRAINAGE AREA.--184 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1948 to current year.

GAGE.--Water-stage recorder. Datum of gage is 719.15 ft above National Geodetic Vertical Datum of 1929. Prior to July 24, 1957, nonrecording gage at site 50 ft downstream at same datum; July 24, 1957, to Apr. 28, 1977, water-stage recorder; Apr. 29, 1977, to May 10, 1979, nonrecording gage; May 11, 1979, to Sept. 12, 1983, water-stage recorder at site 50 ft upstream at present datum.

REMARKS.--No estimated daily discharges. Water-discharge records fair. National Weather Service gage-height and U.S. Army Corps of Engineers satellite telemeters at station.

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

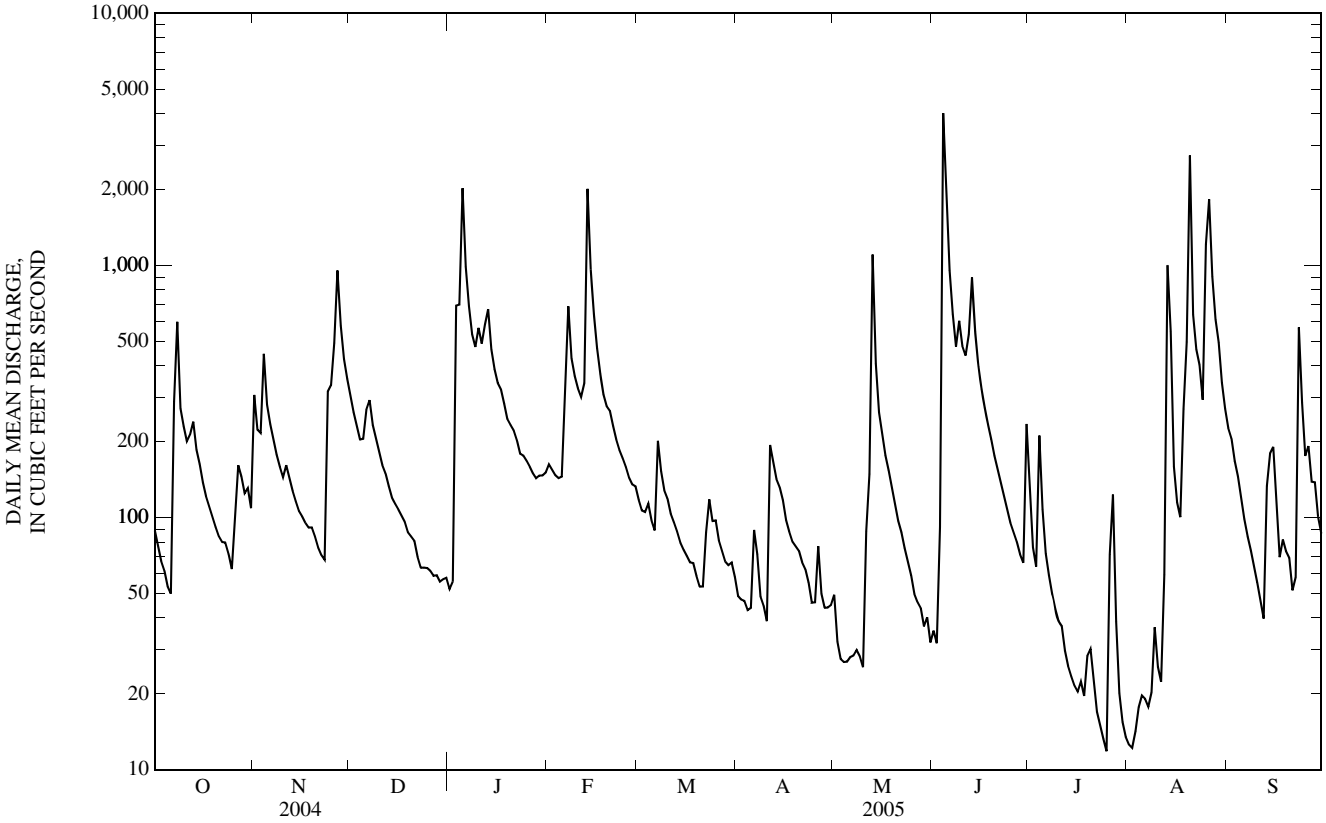
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	307	307	52	163	118	49	49	36	138	13	226
2	77	223	262	56	155	107	47	32	32	76	12	206
3	67	217	231	692	147	105	47	27	92	64	14	168
4	61	446	204	699	143	113	43	27	4,020	211	18	146
5	53	280	205	2,020	145	97	44	27	2,240	108	20	120
6	50	235	268	988	311	89	89	28	957	72	19	99
7	289	204	292	690	689	202	71	28	640	59	18	84
8	597	178	233	532	428	153	49	30	476	50	20	74
9	271	159	206	475	365	128	45	28	603	43	37	64
10	230	145	183	565	326	119	39	25	479	39	26	55
11	201	161	161	490	301	104	194	88	439	37	22	47
12	213	144	150	583	341	96	167	149	533	30	59	40
13	240	128	133	671	2,010	88	142	1,100	896	26	1,000	133
14	186	116	120	465	966	79	132	408	548	23	547	180
15	163	106	113	388	642	75	117	261	398	22	159	191
16	138	101	108	342	468	70	98	215	323	20	115	120
17	121	95	102	323	371	66	88	176	272	22	100	70
18	110	91	96	283	307	66	80	154	234	20	270	82
19	101	91	87	246	276	59	77	130	205	28	497	73
20	92	84	84	233	265	53	74	112	176	30	2,730	69
21	84	76	81	222	231	53	66	97	155	23	638	51
22	80	71	70	202	204	87	62	87	137	17	464	58
23	80	68	63	179	185	118	55	76	121	15	404	568
24	72	316	63	176	172	97	46	66	108	13	293	286
25	62	335	63	168	159	98	46	59	95	12	1,210	176
26	102	492	61	159	144	81	77	50	88	71	1,830	192
27	161	955	59	150	135	74	50	46	80	123	903	139
28	145	576	59	143	133	67	44	44	71	39	612	138
29	125	425	56	147	---	65	44	37	66	20	494	101
30	131	356	57	147	---	66	45	40	235	15	343	86
31	109	---	58	151	---	58	---	32	---	13	270	---
MEAN	145	239	137	408	364	92.0	74.2	120	492	47.7	424	135
MAX	597	955	307	2,020	2,010	202	194	1,100	4,020	211	2,730	568
MIN	50	68	56	52	133	53	39	25	32	12	12	40
IN.	0.91	1.45	0.86	2.55	2.06	0.58	0.45	0.75	2.98	0.30	2.66	0.82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2005, BY WATER YEAR (WY)

MEAN	130	108	88.9	90.9	133	193	242	280	272	145	102	157
MAX	983	854	495	408	576	1,153	1,069	1,534	1,216	1,103	1,455	1,018
(WY)	(1987)	(1962)	(1993)	(2005)	(1985)	(1973)	(1983)	(1995)	(1967)	(1993)	(1982)	(1961)
MIN	0.13	0.49	1.36	1.36	3.09	4.15	11.3	27.9	10.3	0.26	0.02	0.20
(WY)	(1954)	(1957)	(1956)	(1957)	(1957)	(1956)	(1954)	(1988)	(1953)	(1954)	(1953)	(1953)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1948 - 2005	
ANNUAL MEAN	273		222		162	
HIGHEST ANNUAL MEAN					440	1993
LOWEST ANNUAL MEAN					11.5	1956
HIGHEST DAILY MEAN	6,590	May 19	4,020	Jun 4	27,700	Aug 13, 1982
LOWEST DAILY MEAN	22	Aug 18	12	Jul 25, Aug 2	0.00	Several Years
ANNUAL SEVEN-DAY MINIMUM	26	Aug 13	15	Jul 29	0.00	Several Years
MAXIMUM PEAK FLOW	---		5,840	Jun 4	42,300	Aug 13, 1982
MAXIMUM PEAK STAGE	---		16.49	Jun 4	27.94	Sep 14, 1961
INSTANTANEOUS LOW FLOW	---		9.6	Jul 25	0.00	Several Years
ANNUAL RUNOFF (INCHES)	20.21		16.37		11.98	
10 PERCENT EXCEEDS	463		493		320	
50 PERCENT EXCEEDS	130		115		49	
90 PERCENT EXCEEDS	43		32		7.9	

06894000 LITTLE BLUE RIVER NEAR LAKE CITY, MO—Continued



06894000 LITTLE BLUE RIVER NEAR LAKE CITY, MO—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: July 2005 to current year.
pH: July 2005 to current year.
WATER TEMPERATURE: July 2005 to current year.
DISSOLVED OXYGEN: July 2005 to current year.
TURBIDITY: July 2005 to current year.

INSTRUMENTATION.--Water-quality monitor operated since July 2005. U.S.G.S. satellite telemeter at station.

REMARKS.-- Interruptions in the record are generally due to malfunction or fouling of the sensors. Detailed records of the procedures employed for specific periods of record have been included with the station analysis and are kept on file. The manufacturers' specified range for turbidity sensors used is 0 to 1,000 NTU. All values beyond this limit are considered erroneous and deleted. Values ≥ 1,000 NTU are possible, but cannot be quantified. Specific Conductance records are rated excellent or good, except for the following periods: August 19-23, rated fair, August 24-September 7, rated poor. pH records are rated excellent except for the following periods: August 27-September 7, rated good. Water temperature records are rated excellent. Dissolved oxygen records were deleted or missing for all or part of the following periods: August 13-September 7. The remainder of the dissolved oxygen record is rated excellent or good, except for the following periods: August 3-6, rated fair; August 7-8, rated poor. Turbidity records were deleted or missing for all or part of the following periods: August 7. The remainder of the turbidity record is rated excellent or good, except for the following periods: July 21-22, August 3-9, 19, September 13-14, rated poor.

EXTREMES FOR PERIOD OF RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 478 microsiemens, July 19, 2005; minimum recorded 174 microsiemens, August 13, 2005.
pH: Maximum recorded 8.5 standard units, August 3 and 4, 2005; minimum recorded 7.4 standard units, September 14 and 15, 2005.
WATER TEMPERATURE: Maximum recorded 32.7 °C, July 23, 2005; minimum recorded 17.2 °C, September 30, 2005.
DISSOLVED OXYGEN: Maximum recorded 12 mg/L, July 24, 2005, but may have been higher during periods of missing record; minimum recorded 3.9 mg/L, July 26, 2005, but may have been lower during periods of missing record.
TURBIDITY: Maximum recorded 980 NTU, August 13, 2005; minimum recorded 8.0 NTU (±2.0 NTU), September 9-13, 2005, but may have been lower during periods of missing record. Maximum turbidity may be ≥ 1,000 NTU, but exceeds the range of the instrument deployed.

TEMPERATURE, WATER, DEGREES CELSIUS
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	---	---	---	---	---	---	29.4	27.1	27.9	26.3	25.1	25.7
2	---	---	---	---	---	---	29.1	27.9	28.4	26.1	24.1	25.0
3	---	---	---	---	---	---	29.8	27.9	28.5	26.5	24.5	25.5
4	---	---	---	---	---	---	29.6	28.6	29.1	26.8	25.0	26.0
5	---	---	---	---	---	---	29.4	27.3	28.0	26.9	25.2	26.1
6	---	---	---	---	---	---	27.9	26.3	26.9	26.6	24.9	25.9
7	---	---	---	---	---	---	28.4	26.3	27.1	26.6	24.9	25.8
8	---	---	---	---	---	---	28.9	27.1	27.9	26.3	25.5	26.0
9	---	---	---	---	---	---	29.4	27.3	28.1	26.8	25.4	26.0
10	---	---	---	---	---	---	29.8	28.0	28.7	27.0	25.7	26.2
11	---	---	---	---	---	---	30.1	28.7	29.3	27.1	25.5	26.2
12	---	---	---	---	---	---	29.9	27.9	29.0	26.7	25.5	26.1
13	---	---	---	30.0	---	---	27.9	24.0	25.1	26.1	23.1	24.9
14	---	---	---	30.3	28.1	29.1	24.0	22.7	23.1	23.5	22.6	23.1
15	---	---	---	30.8	28.6	29.5	22.7	22.1	22.3	22.8	18.9	20.8
16	---	---	---	31.6	29.3	30.2	24.4	22.1	23.0	20.3	18.3	19.2
17	---	---	---	31.4	29.5	30.5	25.7	23.9	24.6	21.1	19.4	20.1
18	---	---	---	31.1	29.1	29.9	27.0	23.9	25.4	22.3	20.6	21.3
19	---	---	---	30.0	27.8	28.6	27.0	24.4	25.9	24.1	22.3	23.0
20	---	---	---	30.3	27.4	28.5	25.0	23.4	24.1	25.3	23.5	24.1
21	---	---	---	30.4	28.6	29.5	26.1	25.0	25.5	25.8	23.9	24.7
22	---	---	---	31.6	29.2	30.1	26.7	25.4	26.0	26.3	24.4	25.2
23	---	---	---	32.7	29.8	31.0	26.1	24.3	25.1	25.8	21.1	22.6
24	---	---	---	32.3	30.5	31.3	24.9	23.9	24.4	23.2	21.3	22.1
25	---	---	---	32.1	30.5	31.3	24.7	22.5	23.3	24.8	22.7	23.6
26	---	---	---	31.6	26.3	29.7	24.0	22.5	23.5	24.6	22.5	23.5
27	---	---	---	26.3	23.5	24.4	25.9	24.0	24.9	22.6	21.1	21.9
28	---	---	---	26.5	23.7	24.8	26.8	25.0	25.8	22.2	19.8	21.0
29	---	---	---	27.0	24.2	25.3	26.7	24.5	25.6	19.8	18.0	18.7
30	---	---	---	28.5	25.4	26.5	26.4	24.2	25.3	18.8	17.2	18.1
31	---	---	---	28.6	26.5	27.5	26.5	24.5	25.5	---	---	---
MONTH	---	---	---	32.7	23.5	28.8	30.1	22.1	26.0	27.1	17.2	23.6

06894000 LITTLE BLUE RIVER NEAR LAKE CITY, MO—Continued

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

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

06894000 LITTLE BLUE RIVER NEAR LAKE CITY, MO—Continued

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
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	420	404	413	375	365	368
2	---	---	---	---	---	---	433	420	429	384	375	380
3	---	---	---	---	---	---	453	432	442	399	377	387
4	---	---	---	---	---	---	475	448	463	401	386	393
5	---	---	---	---	---	---	476	468	473	401	384	390
6	---	---	---	---	---	---	473	462	468	395	383	388
7	---	---	---	---	---	---	467	452	461	398	390	393
8	---	---	---	---	---	---	456	442	447	403	398	400
9	---	---	---	---	---	---	445	436	440	411	403	407
10	---	---	---	---	---	---	440	433	437	415	411	413
11	---	---	---	---	---	---	435	416	425	424	415	419
12	---	---	---	---	---	---	431	417	424	432	421	424
13	---	---	---	---	---	---	437	174	290	437	270	418
14	---	---	---	447	444	445	289	193	244	323	256	282
15	---	---	---	447	445	446	329	289	307	378	280	333
16	---	---	---	451	447	450	345	321	332	380	308	359
17	---	---	---	454	450	452	366	345	355	436	380	415
18	---	---	---	473	452	456	367	259	314	458	419	435
19	---	---	---	478	449	465	352	258	308	451	434	443
20	---	---	---	458	450	454	311	205	256	459	436	446
21	---	---	---	464	458	460	338	311	330	462	436	448
22	---	---	---	471	463	466	341	334	337	459	452	454
23	---	---	---	474	464	471	336	319	328	458	241	352
24	---	---	---	464	449	457	346	327	340	364	281	323
25	---	---	---	452	443	447	349	253	304	414	364	393
26	---	---	---	466	440	449	337	266	306	435	414	420
27	---	---	---	455	271	333	351	313	343	435	388	400
28	---	---	---	327	263	280	346	315	341	409	406	407
29	---	---	---	383	327	356	354	291	332	423	406	416
30	---	---	---	397	383	392	363	293	345	428	423	426
31	---	---	---	404	396	399	367	349	361	---	---	---
MONTH	---	---	---	478	263	427	476	174	368	462	241	398

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
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	9.6	5.6	7.2	---	---	---
2	---	---	---	---	---	---	9.9	5.9	7.7	---	---	---
3	---	---	---	---	---	---	10.8	6.1	8.3	---	---	---
4	---	---	---	---	---	---	10.4	6.0	7.7	---	---	---
5	---	---	---	---	---	---	8.5	5.3	6.8	---	---	---
6	---	---	---	---	---	---	8.2	5.6	6.8	---	---	---
7	---	---	---	---	---	---	8.2	5.3	6.6	---	---	---
8	---	---	---	---	---	---	7.4	4.7	6.2	7.5	6.9	7.2
9	---	---	---	---	---	---	7.0	4.6	5.9	7.6	7.0	7.2
10	---	---	---	---	---	---	7.4	4.4	5.7	7.8	7.0	7.3
11	---	---	---	---	---	---	8.3	4.8	6.3	7.8	7.1	7.4
12	---	---	---	---	---	---	7.8	4.2	5.7	7.9	7.1	7.4
13	---	---	---	9.5	---	---	---	---	---	8.2	7.0	7.3
14	---	---	---	9.4	6.4	7.7	---	---	---	7.1	6.3	6.7
15	---	---	---	9.7	6.4	7.8	---	---	---	8.2	6.3	7.4
16	---	---	---	10.3	6.3	8.0	---	---	---	8.6	8.2	8.4
17	---	---	---	9.9	6.0	7.9	---	---	---	8.6	8.1	8.3
18	---	---	---	9.9	6.1	7.6	---	---	---	8.4	8.0	8.2
19	---	---	---	9.5	6.1	7.5	---	---	---	8.2	7.5	7.8
20	---	---	---	9.6	6.3	7.7	---	---	---	8.0	7.3	7.6
21	---	---	---	8.8	6.7	7.6	---	---	---	---	---	---
22	---	---	---	9.1	6.0	7.4	---	---	---	8.1	7.2	7.5
23	---	---	---	11.4	5.6	8.2	---	---	---	8.0	7.2	7.5
24	---	---	---	12.0	5.9	8.8	---	---	---	7.9	7.8	7.9
25	---	---	---	10.7	5.6	8.3	---	---	---	8.0	7.7	7.9
26	---	---	---	8.8	3.9	5.7	---	---	---	8.1	7.8	7.9
27	---	---	---	6.5	5.8	6.2	---	---	---	8.5	7.8	8.2
28	---	---	---	6.1	5.6	5.8	---	---	---	8.7	8.3	8.5
29	---	---	---	6.7	5.6	5.9	---	---	---	9.5	8.7	9.2
30	---	---	---	7.3	5.3	6.1	---	---	---	10.0	9.4	9.6
31	---	---	---	8.1	5.1	6.4	---	---	---	---	---	---
MONTH	---	---	---	12.0	3.9	7.3	10.8	4.2	6.7	10.0	6.3	7.8

06894000 LITTLE BLUE RIVER NEAR LAKE CITY, MO—Continued

TURBIDITY, WATER, UNFILTERED, FIELD, NEPHELOMETRIC TURBIDITY UNITS
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	---	---	---	---	---	---	36	18	26	28	12	16
2	---	---	---	---	---	---	34	15	23	31	11	16
3	---	---	---	---	---	---	55	18	---	17	10	14
4	---	---	---	---	---	---	---	---	---	16	9.0	13
5	---	---	---	---	---	---	---	24	---	17	10	13
6	---	---	---	---	---	---	---	---	---	15	10	13
7	---	---	---	---	---	---	---	---	---	15	10	12
8	---	---	---	---	---	---	---	---	---	100	9.0	13
9	---	---	---	---	---	---	29	11	18	13	8.0	11
10	---	---	---	---	---	---	27	13	19	14	8.0	11
11	---	---	---	---	---	---	28	15	21	15	8.0	10
12	---	---	---	---	---	---	35	19	25	13	8.0	9.9
13	---	---	---	---	---	---	980	26	390	---	8.0	---
14	---	---	---	30	14	19	890	88	350	---	87	---
15	---	---	---	26	14	19	88	42	58	91	57	72
16	---	---	---	24	12	18	43	27	37	64	29	40
17	---	---	---	25	11	16	38	19	26	30	18	24
18	---	---	---	23	12	17	490	19	170	22	16	19
19	---	---	---	28	14	20	610	62	210	19	15	17
20	---	---	---	31	16	22	---	120	---	20	12	16
21	---	---	---	---	---	---	120	51	77	20	11	14
22	---	---	---	---	---	---	52	34	46	19	10	13
23	---	---	---	25	12	17	100	35	59	400	11	210
24	---	---	---	21	11	15	59	23	32	170	30	74
25	---	---	---	22	11	15	710	23	290	32	14	24
26	---	---	---	190	12	34	860	76	230	38	13	25
27	---	---	---	180	83	130	120	52	68	39	18	28
28	---	---	---	120	42	78	52	37	43	21	17	19
29	---	---	---	51	29	42	63	37	44	20	14	18
30	---	---	---	47	23	33	57	16	28	16	13	14
31	---	---	---	39	21	29	20	12	17	---	---	---
MONTH	---	---	---	190	11	33	980	11	96	400	8.0	28

06895500 MISSOURI RIVER AT WAVERLY, MO

LOCATION.--Lat 39°12'54", long 93°30'54", sec.14, T.51 N., R.23 W., Lafayette County, Hydrologic Unit 10300101, on downstream side of pier of bridge on State Highway 24 and U.S. Highway 65 at Waverly and at mile 293.5.

DRAINAGE AREA.--485,900 mi^2. The 3,959 mi^2 in Great Divide basin are not included.

PERIOD OF RECORD.--October 1928 to current year. Gage-height records collected at same site 1878-79, 1883-99 are contained in reports of the Missouri River Commission; since 1915 in reports of the National Weather Service. Daily discharge not computed Apr. 1, 1977, to Mar. 31, 1978.

REVISED RECORDS.--WDR MO-76-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 646.00 ft above National Geodetic Vertical Datum of 1929. Prior to Jan. 1, 1934, at datum 5.00 ft lower; Mar. 30, 1929, to Apr. 4, 1934, nonrecording gage; Apr. 5, 1934, to June 13, 1943, water-stage recorder; June 14, 1943, to Sept. 15, 1944, nonrecording gage; Sept. 16, 1944, to May 28, 1969, water-stage recorder all at present site and datum; May 29, 1969, to Jan. 8, 1984, water-stage recorder at site 450 ft downstream, present datum; Jan. 9, 1984, to May 24, 1984, nonrecording gage at present site and datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Some regulation from many upstream reservoirs. U.S. Army Corps of Engineers 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	43,600	27,200	26,200	26,400	28,300	33,200	35,700	41,900	e54,000	68,900	37,100	41,600
2	42,300	28,500	26,000	26,500	28,900	32,000	35,300	40,700	e60,000	65,700	36,300	39,900
3	41,000	28,400	25,600	26,700	28,100	30,000	35,200	39,800	58,700	62,000	35,400	38,700
4	39,900	31,000	25,100	34,300	27,500	28,600	35,200	39,400	86,600	57,300	35,000	37,400
5	39,000	31,200	24,800	44,200	27,400	27,600	35,600	39,200	140,000	56,700	35,100	36,500
6	38,600	28,800	25,100	48,300	27,800	27,000	e36,600	39,100	144,000	56,400	35,300	35,600
7	38,600	27,600	27,000	37,500	32,600	26,800	e36,500	38,200	123,000	51,100	34,900	34,900
8	44,700	26,600	27,800	29,700	39,400	27,100	e38,500	37,200	95,100	48,200	34,300	34,400
9	44,800	25,800	27,100	26,800	40,700	26,600	e39,000	37,400	88,700	46,300	34,400	34,100
10	40,500	25,000	27,000	26,000	40,200	25,600	e39,500	36,700	84,400	44,100	34,500	34,100
11	38,700	24,700	26,800	26,900	37,300	25,000	e41,500	36,400	83,400	42,400	34,300	34,200
12	38,500	24,800	26,400	27,500	33,400	24,600	e48,000	39,500	121,000	41,400	34,200	34,400
13	37,600	24,500	26,000	30,000	40,000	24,200	e55,000	49,100	157,000	40,400	36,700	34,000
14	35,600	24,300	25,600	31,500	63,800	24,100	e58,000	121,000	144,000	39,300	49,000	34,600
15	33,400	24,500	25,600	28,200	64,700	24,100	e55,000	134,000	107,000	38,600	47,600	34,900
16	31,200	24,400	25,700	26,100	62,000	24,100	47,200	106,000	91,200	38,300	50,800	37,400
17	29,300	23,900	25,500	25,400	65,500	23,700	44,600	87,500	82,200	37,800	43,900	39,400
18	28,400	23,600	25,200	25,400	56,300	23,300	42,200	74,800	78,300	36,800	38,900	39,200
19	27,700	23,400	24,900	25,700	48,500	23,000	40,900	66,700	77,900	36,800	38,500	37,900
20	27,200	23,400	24,100	25,500	43,900	22,600	40,400	e68,100	75,600	37,700	53,000	38,000
21	26,900	23,300	23,700	25,700	41,500	22,300	39,500	e62,200	72,900	38,700	68,800	38,400
22	26,400	23,100	24,000	26,800	40,000	22,500	44,900	e61,500	70,300	37,700	53,000	37,500
23	25,900	23,200	24,200	27,300	38,300	22,800	56,100	e59,900	66,800	37,400	44,000	38,200
24	25,400	24,600	24,000	27,600	37,000	23,400	58,500	e55,800	63,900	36,500	40,900	52,900
25	25,200	27,100	23,300	27,700	36,400	23,900	56,000	e53,000	62,600	35,900	40,000	67,200
26	25,100	28,200	22,800	27,900	35,700	25,800	51,000	e53,000	64,900	36,000	49,700	50,100
27	25,800	30,600	22,300	27,800	34,700	29,300	47,300	e52,500	62,700	35,800	62,500	42,300
28	27,100	33,000	22,400	26,300	34,000	33,300	45,100	e52,000	58,000	37,600	52,400	39,200
29	28,100	29,000	23,000	24,400	---	36,900	44,500	e51,000	57,700	47,300	50,400	37,200
30	27,300	26,900	24,300	23,600	---	37,200	43,300	e51,000	61,200	45,800	48,700	37,300
31	27,400	---	25,400	25,800	---	36,200	---	e52,100	---	39,500	44,100	---
MEAN	33,260	26,350	25,060	28,690	40,500	26,990	44,200	57,310	86,440	44,340	43,020	39,050
MAX	44,800	33,000	27,800	48,300	65,500	37,200	58,500	134,000	157,000	68,900	68,800	67,200
MIN	25,100	23,100	22,300	23,600	27,400	22,300	35,200	36,400	54,000	35,800	34,200	34,000
IN.	0.08	0.06	0.06	0.07	0.09	0.06	0.10	0.14	0.20	0.11	0.10	0.09

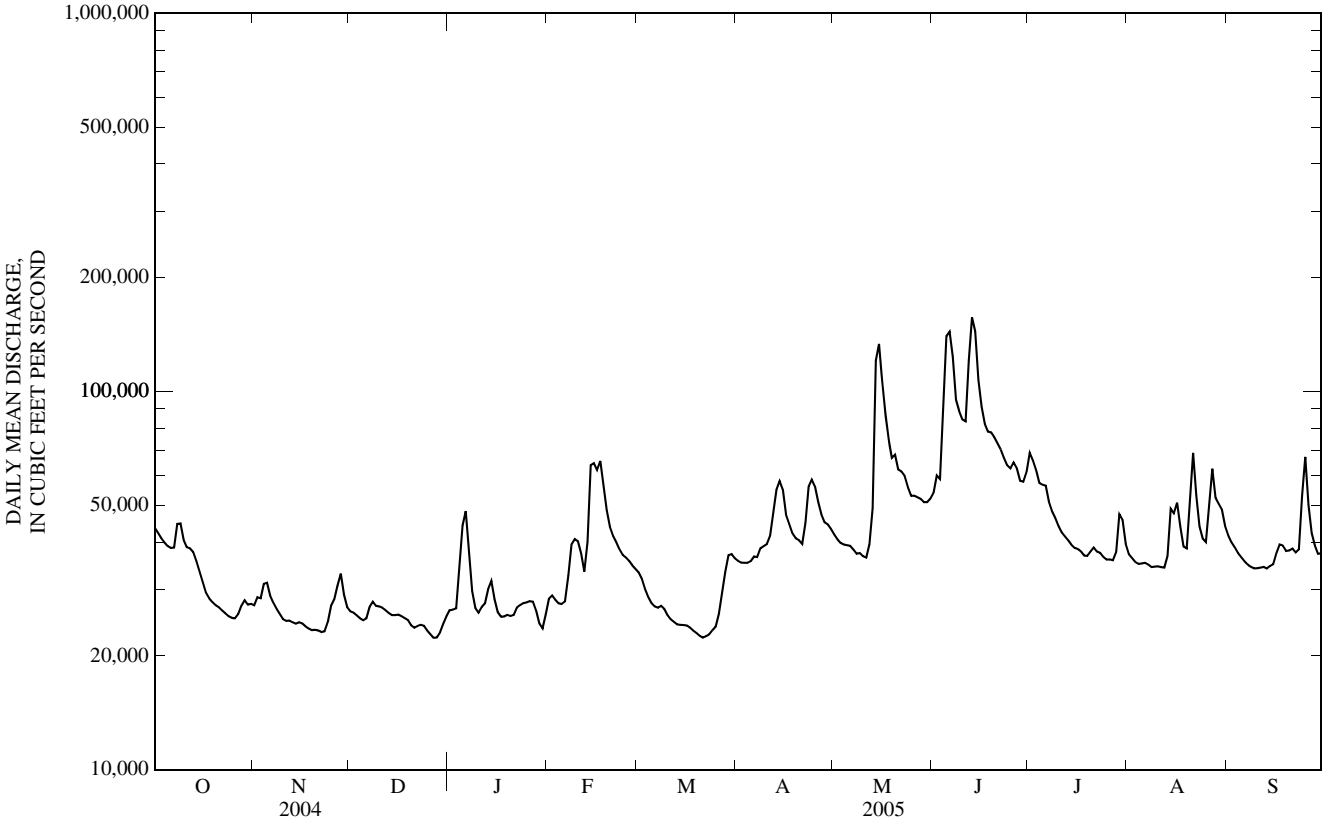
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2005, BY WATER YEAR (WY)

MEAN	56,300	52,260	37,470	30,250	39,470	54,920	71,740	75,030	80,950	72,020	56,510	56,580
MAX	141,900	116,200	74,470	65,720	79,780	133,500	145,500	168,400	176,600	306,500	155,700	121,700
(WY)	(1974)	(1999)	(1987)	(1973)	(1973)	(1979)	(1984)	(1995)	(1984)	(1993)	(1993)	(1993)
MIN	33,260	21,620	13,010	14,770	16,830	19,250	37,510	39,350	41,340	34,800	33,030	35,380
(WY)	(2005)	(1992)	(1964)	(1963)	(1964)	(1964)	(2003)	(1989)	(1988)	(2002)	(2003)	(1991)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1958 - 2005[a]	
ANNUAL MEAN	42,250		41,190		57,060	
HIGHEST ANNUAL MEAN					109,900	1993
LOWEST ANNUAL MEAN					35,670	2003
HIGHEST DAILY MEAN	122,000	May 26	157,000	Jun 13	611,000	Jul 28, 1993
LOWEST DAILY MEAN	19,000	Jan 12	22,300	Dec 27,Mar 21	5,000	Dec 20, 1963
ANNUAL SEVEN-DAY MINIMUM	20,100	Jan 10	22,800	Mar 18	5,540	Dec 17, 1963
MAXIMUM PEAK FLOW	---		163,000	Jun 13	633,000	Jul 27, 1993
MAXIMUM PEAK STAGE	---		23.55	Jun 13	31.15	Jul 27, 1993
INSTANTANEOUS LOW FLOW	---		22,000	Dec 28	5,000	Dec 20, 1963
ANNUAL RUNOFF (INCHES)	1.18		1.15		1.60	
10 PERCENT EXCEEDS	72,100		63,100		96,100	
50 PERCENT EXCEEDS	37,400		36,700		48,400	
90 PERCENT EXCEEDS	23,100		24,500		25,000	

e Estimated
[a] Post-regulation period.

06895500 MISSOURI RIVER AT WAVERLY, MO—Continued



06896187 MIDDLE FORK GRAND RIVER NEAR GRANT CITY, MO
(Ambient Water-Quality Monitoring Network)

LOCATION.--Lat 40°27'17", long 94°24'12", in NW ¼ SW ¼ NW ¼ sec.9, T.65 N., R.31 W., Worth County, Hydrologic Unit 10280101, on Highway 169 approximately 2.0 mi south of the junction of Highway 169 and State Highway 46 in Grant City.

DRAINAGE AREA.--82.4 mi^2.

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

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

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf µS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as $CaCO_3$ (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV												
09...	0950	Environmental	1.9	11.1	92	8.1	595	7.5	270	81.1	16.4	6.01
JAN												
20...	1055	Environmental	1.7	13.0	90	7.9	632	.5	--	--	--	--
MAR												
02...	0910	Environmental	80	16.3	117	8.3	558	.5	--	--	--	--
02...	0910	Blank	--	--	--	--	--	--	--	--	--	--
MAY												
24...	1300	Environmental	12	7.9	98	7.9	461	24.0	210	60.4	14.1	5.57
JUL												
07...	0920	Environmental	2.6	7.8	95	8.1	529	23.0	--	--	--	--
SEP												
15...	1045	Environmental	.71	8.0	85	7.8	529	17.5	--	--	--	--

Date	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, field, mg/L as $CaCO_3$ (00410)	ANC, wat unf incrm. titr., field, mg/L as $CaCO_3$ (00419)	Bicarbonate, wat unf incrm. titr., field, mg/L (00450)	Carbonate, wat unf incrm. titr., field, mg/L (00447)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
NOV													
09...	24.2	211	212	259	<1	26.5	.3	57.9	366	<10	.42	E.03n	.24
JAN													
20...	--	--	--	--	--	--	--	--	--	<10	.36	.07	.30
MAR													
02...	--	--	--	--	--	--	--	--	--	32	.66	.23	1.08
02...	--	--	--	--	--	--	--	--	--	<10	<.10	<.04	<.06
MAY													
24...	14.5	172	172	210	<1	14.9	.3	38.7	287	62	1.3	E.03n	1.16
JUL													
07...	--	--	--	--	--	--	--	--	--	17	.39	<.04	<.06
SEP													
15...	--	--	--	--	--	--	--	--	--	26	.37	<.04	<.06

Date	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coliform, M-FC 0.7µ MF col/ 100 mL (31625)	Aluminum, water, fltrd, µg/L (01106)	Aluminum, water, unfltrd recover-able, µg/L (01105)	Arsenic water, fltrd, µg/L (01000)	Cadmium water, fltrd, µg/L (01025)	Cadmium water, unfltrd µg/L (01027)	Copper, water, fltrd, µg/L (01040)	Iron, water, fltrd, µg/L (01046)
NOV													
09...	E.007n	.02	E.04n	.09	250	300	E1n	226	.9	.05	.07	1.8	15
JAN													
20...	E.005n	<.02	<.04	.04	6k	4k	--	--	--	--	--	--	--
MAR													
02...	.012	E.01n	E.02n	.08	28k	32k	--	--	--	--	--	--	--
02...	<.008	<.02	<.04	<.04	--	--	--	--	--	--	--	--	--
MAY													
24...	.030	.08	.09	.18	770	870	10	676	1.8	E.03n	.06	1.9	<6
JUL													
07...	<.008	.02	<.04	.07	420	560	--	--	--	--	--	--	--
SEP													
15...	<.008	.05	.06	.12	140k	200	--	--	--	--	--	--	--

06896187 MIDDLE FORK GRAND RIVER NEAR GRANT CITY, MO–Continued

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

Date	Lead, water, fltrd, µg/L (01049)	Lead, water, unfltrd recover -able, µg/L (01051)	Mangan-ese, water, fltrd, µg/L (01056)	Mercury water, unfltrd recover -able, µg/L (71900)	Selen-ium, water, fltrd, µg/L (01145)	Zinc, water, fltrd, µg/L (01090)	Zinc, water, unfltrd recover -able, µg/L (01092)
NOV							
09...	<.08	.45	1,410	<.01	.6	1.3	3
JAN							
20...	--	--	--	--	--	--	--
MAR							
02...	--	--	--	--	--	--	--
02...	--	--	--	--	--	--	--
MAY							
24...	<.08	1.13	124	<.01	1.1	1.1	4
JUL							
07...	--	--	--	--	--	--	--
SEP							
15...	--	--	--	--	--	--	--

Remark codes used in this table:
< -- Less than.
E -- Estimated.

Value qualifier codes used in this table:
k -- Counts outside acceptable range
n -- Below the LRL and above the LT-MDL

06896320 EAST FORK GRAND RIVER AT ALLENDALE, MO
(Ambient Water-Quality Monitoring Network)

LOCATION.--Lat 40°28'53", long 94°19'06", in SE ¼ NE ¼ NW ¼ sec.32, T.66 N., R.30 W., Worth County, Hydrologic Unit 10280101, in Allendale on Highway 46, approximately 1.6 mi west of the junction of Highway NN and State Highway 46.

DRAINAGE AREA.--211 mi^2.

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

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

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf µS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as $CaCO_3$ (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV												
09...	1335	Environmental	5.4	11.5	99	8.2	520	9.0	260	76.5	15.8	5.50
09...	1400	Blank	--	--	--	--	--	--	--	<.02	<.008	<.16
JAN												
20...	1525	Environmental	1.2	12.6	87	8.0	622	.5	--	--	--	--
MAR												
02...	1245	Environmental	30	13.9	108	8.3	508	3.0	--	--	--	--
MAY												
24...	1010	Environmental	52	8.0	92	7.9	398	20.0	190	53.7	12.5	5.01
JUL												
07...	1225	Environmental	6.2	9.0	120	8.3	490	28.0	--	--	--	--
SEP												
15...	1445	Environmental	1.2	9.1	96	7.7	438	18.5	--	--	--	--

Date	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, field, mg/L as $CaCO_3$ (00410)	ANC, wat unf incrm. titr., field, mg/L as $CaCO_3$ (00419)	Bicarbonate, wat unf incrm. titr., field, mg/L (00450)	Carbonate, wat unf incrm. titr., field, mg/L (00447)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
NOV													
09...	12.6	229	230	281	<1	8.63	.2	33.0	322	<10	.43	<.04	.09
09...	<.20	--	--	--	--	<.20	<.1	<.2	<10	<10	E.07n	<.04	<.06
JAN													
20...	--	--	--	--	--	--	--	--	--	<10	.42	<.04	.26
MAR													
02...	--	--	--	--	--	--	--	--	--	20	.48	.12	1.17
MAY													
24...	9.59	159	163	199	<1	8.27	.3	27.0	247	93d	.89	<.04	1.76
JUL													
07...	--	--	--	--	--	--	--	--	--	<10	.47	<.04	<.06
SEP													
15...	--	--	--	--	--	--	--	--	--	12	.58	E.03n	E.06n

Date	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coliform, M-FC 0.7µ MF col/ 100 mL (31625)	Aluminum, water, fltrd, µg/L (01106)	Aluminum, water, unfltrd recoverable, µg/L (01105)	Arsenic water, fltrd, µg/L (01000)	Cadmium water, fltrd, µg/L (01025)	Cadmium water, unfltrd µg/L (01027)	Copper, water, fltrd, µg/L (01040)	Iron, water, fltrd, µg/L (01046)
NOV													
09...	<.008	.03	.04	.07	110k	64	E1n	147	1.3	E.02n	E.02n	1.9	9
09...	<.008	<.02	<.04	<.04	--	--	<2	<2	<.2	<.04	<.04	<.4	<6
JAN													
20...	E.004n	<.02	<.04	<.04	13k	12k	--	--	--	--	--	--	--
MAR													
02...	.008	<.02	<.04	.05	4k	4k	--	--	--	--	--	--	--
MAY													
24...	.025	.05	.08	.21	900	1,200	4	1,220	1.9	<.04	.05	1.8	E5n
JUL													
07...	<.008	E.01n	<.04	.06	67	140	--	--	--	--	--	--	--
SEP													
15...	<.008	.05	.05	.10	670	680	--	--	--	--	--	--	--

06896320 EAST FORK GRAND RIVER AT ALLENDALE, MO—Continued

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

Date	Lead, water, fltrd, µg/L (01049)	Lead, water, unfltrd recover -able, µg/L (01051)	Mangan-ese, water, fltrd, µg/L (01056)	Mercury water, unfltrd recover -able, µg/L (71900)	Selen-ium, water, fltrd, µg/L (01145)	Zinc, water, fltrd, µg/L (01090)	Zinc, water, unfltrd recover -able, µg/L (01092)
NOV							
09...	.10	.23	140	<.01	E.3n	8.2	E1n
09...	<.08	<.06	<.6	<.01	<.4	1.1	<2
JAN							
20...	--	--	--	--	--	--	--
MAR							
02...	--	--	--	--	--	--	--
MAY							
24...	<.08	1.94	10.0	E.01n	1.0	E.6n	6
JUL							
07...	--	--	--	--	--	--	--
SEP							
15...	--	--	--	--	--	--	--

Remark codes used in this table:
< -- Less than.
E -- Estimated.

Value qualifier codes used in this table:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
n -- Below the LRL and above the LT-MDL

06897000 EAST FORK BIG CREEK NEAR BETHANY, MO

LOCATION.--Lat 40°17'50", long 94°01'34", in SE $^1/_4$ sec.34, T.64 N., R.28 W., Harrison County, Hydrologic Unit 10280101, on right downstream side of bridge on old U.S. Highway 69, 2 mi north of Bethany, and 4 mi upstream from confluence with West Fork.

DRAINAGE AREA.--95 mi^2, approximately.

PERIOD OF RECORD.--April 1934 to September 1972, October 1996 to September 1999, October 2000 to current year.

GAGE.--Water-stage recorder. Datum of gage is 854.74 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for estimated daily discharges, which are poor. U.S.G.S. 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	0.06	1.2	0.71	0.52	e30	11	6.6	24	2.5	3.0	0.83	0.72
2	0.05	1.3	0.59	0.52	e30	11	6.1	23	2.4	2.6	0.52	0.78
3	0.02	1.6	0.52	e1.9	e27	9.7	5.5	21	2.1	2.2	0.52	0.53
4	0.00	1.6	e0.50	e15	e29	9.1	5.1	20	3.4	2.5	0.74	0.51
5	0.00	2.5	e0.50	12	e28	9.6	4.1	19	160	2.0	0.62	0.48
6	0.00	8.4	e1.0	e9.5	e38	8.6	5.5	17	103	1.7	0.60	0.41
7	0.04	8.7	7.5	e6.4	e90	7.9	9.8	14	51	1.4	0.52	0.10
8	0.09	4.3	10	e4.0	e94	7.9	37	10	124	1.1	0.51	0.00
9	0.07	0.96	13	e2.8	e98	6.6	29	13	337	0.97	0.51	0.00
10	0.01	0.67	13	e2.0	e63	6.8	21	13	318	0.81	0.50	0.00
11	0.00	0.67	11	e1.3	e48	5.7	19	10	1,520	0.69	0.22	0.00
12	0.30	0.55	7.0	e1.8	e40	5.4	26	24	744	0.94	0.56	0.00
13	0.27	0.50	1.6	e2.0	e530	5.7	49	84	442	1.0	1.3	0.49
14	0.29	0.43	0.54	e1.0	313	5.6	34	82	180	0.48	1.1	0.51
15	0.20	0.44	0.43	e0.70	136	5.0	22	55	101	0.42	17	0.28
16	0.12	0.42	0.36	e0.50	71	5.3	16	41	65	0.75	6.0	0.20
17	0.00	0.40	0.43	e0.50	45	4.9	17	34	49	0.39	3.0	0.14
18	0.00	0.39	0.32	e0.50	33	4.4	12	34	40	1.3	1.8	0.00
19	0.01	0.55	0.51	e0.60	26	4.4	9.8	36	30	1.4	1.3	0.00
20	0.04	0.54	0.36	e0.80	25	4.6	8.0	28	24	1.3	1.1	0.00
21	0.32	0.49	0.41	e5.5	24	4.5	65	24	18	1.2	0.88	0.00
22	0.56	0.46	e0.40	e2.2	23	6.2	71	98	14	1.0	0.79	0.00
23	0.55	0.50	e0.30	e2.2	19	10	66	60	8.9	1.3	0.63	0.09
24	0.29	0.54	e0.30	e3.5	16	9.3	50	40	4.7	0.69	0.54	0.04
25	0.29	0.50	e0.30	e11	13	9.7	43	31	3.6	0.59	0.51	0.00
26	1.0	0.47	e0.35	e80	12	9.0	40	26	3.2	3.8	0.91	0.00
27	1.5	0.53	e0.35	e85	12	8.9	36	22	2.9	19	0.43	0.00
28	2.8	0.46	e0.40	e45	12	8.2	32	19	2.9	27	0.26	0.00
29	1.4	0.53	e0.40	e30	---	6.8	29	14	2.7	5.1	0.40	0.00
30	0.67	0.67	e0.40	e28	---	6.4	25	5.4	4.2	2.8	0.45	0.00
31	0.54	---	0.44	e26	---	6.5	---	2.8	---	1.6	1.0	---
MEAN	0.37	1.38	2.38	12.3	68.8	7.25	26.6	30.5	145	2.94	1.49	0.18
MAX	2.8	8.7	13	85	530	11	71	98	1,520	27	17	0.78
MIN	0.00	0.39	0.30	0.50	12	4.4	4.1	2.8	2.1	0.39	0.22	0.00
IN.	0.00	0.02	0.03	0.15	0.75	0.09	0.31	0.37	1.71	0.04	0.02	0.00

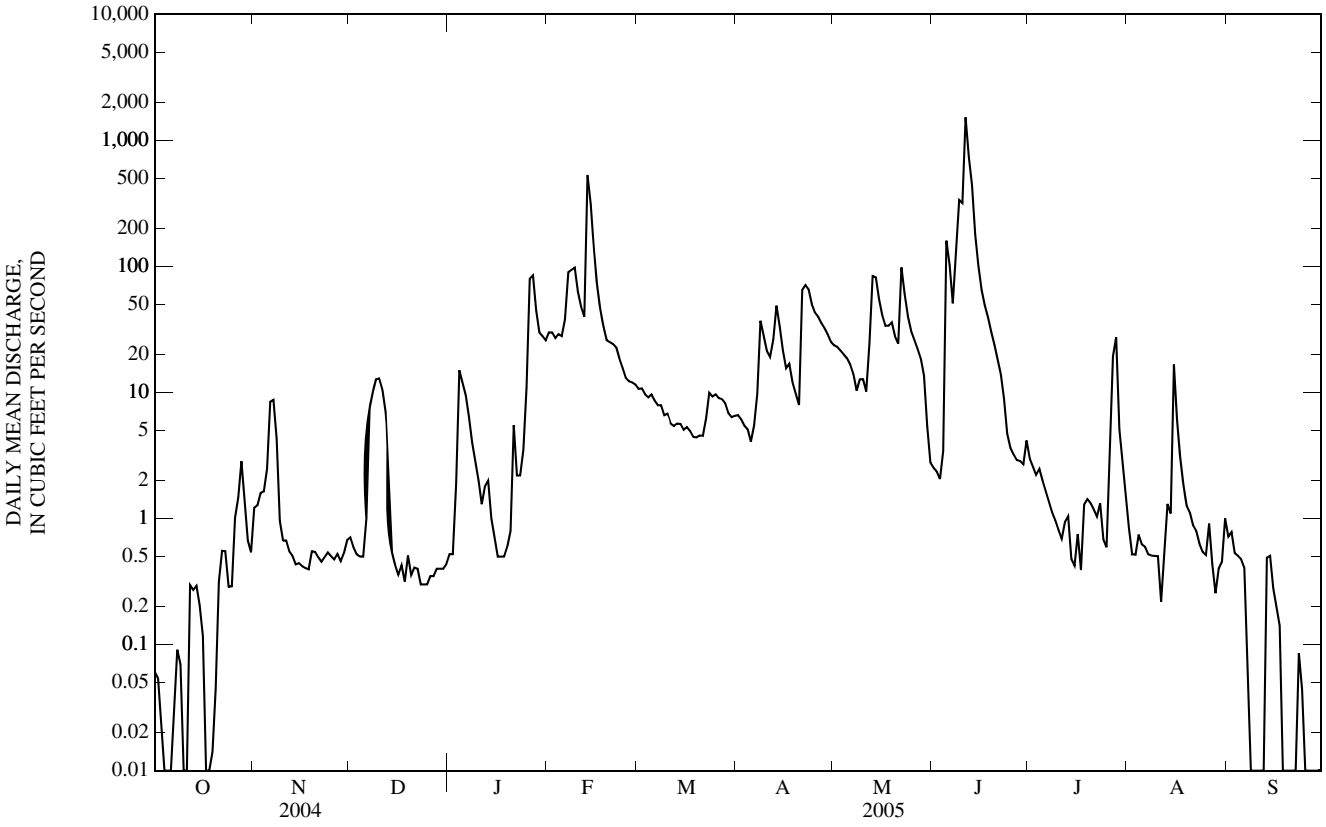
STATISTICS OF MONTHLY MEAN DATA FOR PERIOD OF RECORD, BY WATER YEAR (WY)

MEAN	25.2	26.1	14.7	23.3	63.7	82.4	77.9	79.8	111	31.1	16.9	30.8
MAX	140	313	78.1	240	349	341	305	332	932	284	109	425
(WY)	(1960)	(1962)	(1945)	(1946)	(1937)	(1960)	(1944)	(1945)	(1947)	(1969)	(2004)	(1961)
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)	(1938)	(1938)	(1938)	(1939)	(1938)	(1956)	(1956)	(1956)	(1956)	(1936)	(1936)	(1937)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		FOR PERIOD OF RECORD	
ANNUAL MEAN	52.2		24.4		48.8	
HIGHEST ANNUAL MEAN					111	1947
LOWEST ANNUAL MEAN					2.27	1938
HIGHEST DAILY MEAN	4,040	May 30	1,520	Jun 11	6,200	Jun 6, 1947
LOWEST DAILY MEAN	0.00	Several Days	0.00	Several Days	0.00	Several Years
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 20	0.01	Sep 24	0.00	Several Years
MAXIMUM PEAK FLOW	---		1,850	Jun 11	8,120	Jun 6, 1947
MAXIMUM PEAK STAGE	---		9.05	Jun 11	17.65	Jun 6, 1947
INSTANTANEOUS LOW FLOW	---		0.00	Several Days	0.00	Several Years
ANNUAL RUNOFF (INCHES)	7.48		3.49		6.98	
10 PERCENT EXCEEDS	102		44		87	
50 PERCENT EXCEEDS	1.0		2.5		3.9	
90 PERCENT EXCEEDS	0.08		0.18		0.00	

e Estimated

06897000 EAST FORK BIG CREEK NEAR BETHANY, MO—Continued



06897500 GRAND RIVER NEAR GALLATIN, MO

LOCATION.--Lat 39°55'37", long 93°56'33", in SW $^1/_4$ NW $^1/_4$ sec.16, T.59 N., R.27 W., Daviess County, Hydrologic Unit 10280101, on left bank 100 ft upstream from bridge on State Highway 6, 50 ft downstream from Chicago, Rock Island and Pacific Railroad Company Bridge, 1.0 mi northeast of Gallatin, 6.0 mi upstream from Honey Creek, and at mile 90.0.

DRAINAGE AREA.--2,250 mi^2.

PERIOD OF RECORD.--June 1921 to current year.

REVISED RECORDS.--WSP 786: 1933-34. WSP 1280: 1922. WDR MO-83-1: 1981. WDR MO-93-1: 1991(M).

GAGE.--Water-stage recorder. Datum of gage is 707.56 ft above National Geodetic Vertical Datum of 1929. This figure supercedes figures published in reports from 1982 to 1992. Prior to Jan. 31, 1922, nonrecording gage at site 100 ft upstream at datum 5.00 ft lower; Jan. 31, 1922, to Nov. 15, 1936, nonrecording gage at site about 1,100 ft upstream at datum 4.83 ft lower; Nov. 16, 1936, to Nov. 14, 1937, nonrecording gage; Nov. 15, 1937, to Sept. 21, 1961, water-stage recorder on center pier of highway bridge at datum 5.00 ft lower; Sept. 22-27, 1961, nonrecording gage at railroad bridge 100 ft upstream at datum 5.00 ft lower; Sept. 28, 1961, to Mar. 4, 1964, water-stage recorder on downstream side of left bank pier of highway bridge and wire-weight gage for stages below 7.2 ft at datum 5.00 ft lower; Mar. 5, 1964, to Mar. 5, 1982, at present site at datum 5.00 ft. higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. National Weather Service gage-height and U.S. Army Corps of Engineers satellite telemeters at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, about 45 ft, July 8, 1909, from floodmarks.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	127	212	117	131	e379	464	229	547	230	221	138	392
2	118	1,030	118	143	e420	407	231	496	229	232	117	239
3	113	714	115	146	e414	408	221	452	241	211	105	180
4	108	430	115	233	e382	398	214	422	261	192	96	144
5	100	385	116	243	e357	379	202	397	1,710	178	88	122
6	94	411	142	114	511	e359	193	374	5,030	164	83	107
7	96	325	190	170	2,320	345	190	359	2,440	154	76	96
8	101	271	193	185	2,180	333	643	343	1,210	150	73	89
9	97	231	171	177	1,180	301	1,420	332	832	137	71	84
10	100	200	153	168	763	284	797	315	3,180	129	70	79
11	89	178	145	168	607	274	766	352	3,080	121	68	74
12	103	160	138	190	680	264	8,140	2,220	4,640	115	68	69
13	162	146	123	443	13,100	253	4,610	7,020	7,430	111	90	68
14	213	136	96	504	16,600	244	2,390	10,300	3,830	106	88	70
15	150	132	82	e325	6,820	230	1,460	4,260	2,550	103	1,180	76
16	115	130	101	e268	3,440	221	1,030	2,090	1,650	100	565	81
17	98	130	93	e215	2,150	216	807	1,370	1,030	95	298	136
18	88	129	96	e193	1,540	213	678	997	730	97	206	133
19	81	131	88	e172	1,190	207	592	782	565	101	157	101
20	77	e131	72	e193	1,010	202	533	665	459	114	170	87
21	77	e136	75	e257	935	196	5,270	605	386	117	231	77
22	76	e136	e69	e445	861	205	15,800	525	336	111	135	70
23	75	133	e67	e280	760	235	4,250	449	301	124	107	e63
24	73	127	e65	e266	670	297	2,780	646	275	123	94	e57
25	74	122	e68	e283	598	307	1,670	498	255	99	90	e51
26	81	120	e71	e330	542	299	1,190	392	239	94	375	e47
27	113	119	e72	e512	522	287	941	332	224	98	1,680	e44
28	184	115	71	e742	498	267	785	298	213	615	424	42
29	157	113	e76	e519	---	257	679	277	206	346	457	40
30	183	116	e80	e400	---	246	604	256	208	258	579	40
31	189	---	105	e349	---	237	---	241	---	178	807	---
MEAN	113	228	106	283	2,194	285	1,977	1,246	1,466	161	283	98.6
MAX	213	1,030	193	742	16,600	464	15,800	10,300	7,430	615	1,680	392
MIN	73	113	65	114	357	196	190	241	206	94	68	40
MED	100	136	96	243	761	267	791	452	512	123	117	78
IN.	0.06	0.11	0.05	0.14	1.02	0.15	0.98	0.64	0.73	0.08	0.15	0.05

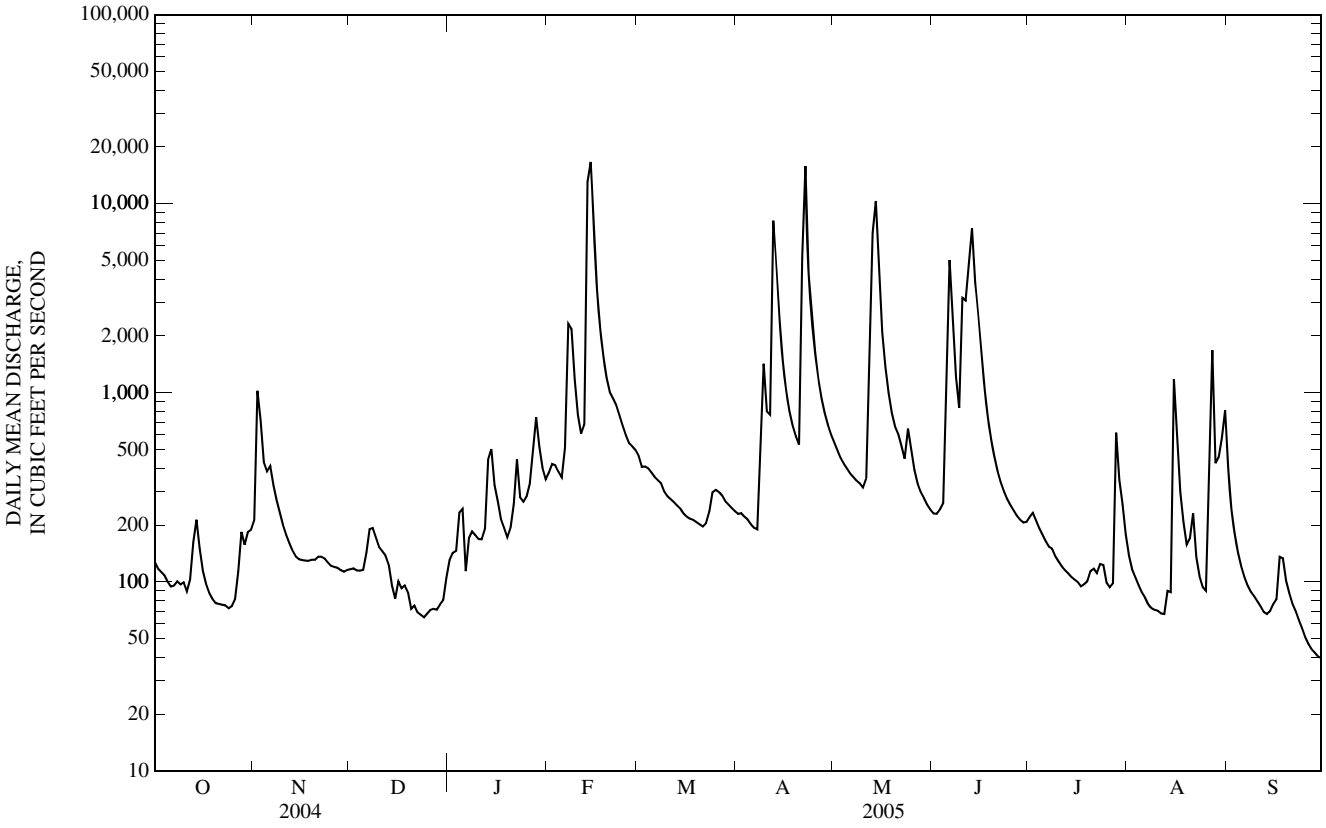
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2005, BY WATER YEAR (WY)

MEAN	793	829	509	469	994	1,692	1,954	2,029	2,349	1,574	525	1,017
MAX	8,965	8,613	5,463	4,212	6,196	8,760	7,906	14,820	22,670	33,930	4,136	11,610
(WY)	(1974)	(1929)	(1983)	(1932)	(1962)	(1979)	(1927)	(1995)	(1947)	(1993)	(1987)	(1926)
MIN	3.09	8.18	6.15	3.94	5.61	18.7	12.0	15.4	51.9	13.3	7.05	10.2
(WY)	(1957)	(1939)	(1939)	(1940)	(1939)	(1938)	(1956)	(1956)	(1988)	(1936)	(1936)	(1955)

06897500 GRAND RIVER NEAR GALLATIN, MO—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1921 - 2005	
ANNUAL MEAN	1,263		689		1,226	
HIGHEST ANNUAL MEAN					5,740	1993
LOWEST ANNUAL MEAN					74.9	2003
HIGHEST DAILY MEAN	33,900	May 31	16,600	Feb 14	85,500	Jul 24, 1993
LOWEST DAILY MEAN	8.2	Feb 4,5	40	Sep 29,30	2.0	Aug 30, 1980
ANNUAL SEVEN-DAY MINIMUM	8.7	Feb 3	46	Sep 24	2.6	Oct 23, 1956
MAXIMUM PEAK FLOW	---		24,200	Apr 22	89,800	Jul 7, 1993
MAXIMUM PEAK STAGE	---		25.67	Apr 22	41.50	Jul 7, 1993
INSTANTANEOUS LOW FLOW	---		39	Sep 29,30	2.0	Aug 30, 1980
ANNUAL RUNOFF (INCHES)	7.64		4.15		7.41	
10 PERCENT EXCEEDS	2,800		1,200		2,500	
50 PERCENT EXCEEDS	191		213		211	
90 PERCENT EXCEEDS	18		77		26	

e Estimated



06898100 THOMPSON RIVER NEAR MOUNT MORIAH, MO
(Ambient Water-Quality Monitoring Network)

LOCATION.--Lat 40°20'11", long 93°46'02", in NW ¼ NE ¼ NE ¼ sec.24, T.64 N., R.26 W., Harrison County, Hydrologic Unit 10280102, on Highway 136 approximately 15 mi east of junction I-35 and Highway 136, 1.5 mi northeast of Mt. Moriah.

DRAINAGE AREA.--891 mi^2, including Panther Creek.

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

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

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf µS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as $CaCO_3$ (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV												
08...	1405	Environmental	70	11.9	108	8.3	516	11.0	260	76.5	15.6	4.53
JAN												
21...	1005	Environmental	31	12.4	85	7.7	542	.5	--	--	--	--
MAR												
03...	0950	Environmental	144	14.9	112	8.4	499	2.3	--	--	--	--
MAY												
25...	1010	Environmental	342	8.4	98	8.1	431	21.0	210	59.0	14.1	4.36
JUL												
08...	0730	Blank	--	--	--	--	--	--	--	--	--	--
08...	0910	Environmental	96	7.9	97	8.1	400	24.0	--	--	--	--
SEP												
16...	1005	Environmental	23	10.1	98	7.9	471	15.0	--	--	--	--

Date	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, field, mg/L as $CaCO_3$ (00410)	ANC, wat unf incrm. titr., field, mg/L as $CaCO_3$ (00419)	Bicarbonate, wat unf incrm. titr., field, mg/L (00450)	Carbonate, wat unf incrm. titr., field, mg/L (00447)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
NOV													
08...	13.6	212	213	260	<1	10.6	.2	40.0	307	132	.63	<.04	<.06
JAN													
21...	--	--	--	--	--	--	--	--	--	<10	.34	.13	.61
MAR													
03...	--	--	--	--	--	--	--	--	--	42	.47	.09	1.98
MAY													
25...	9.96	172	173	211	<1	9.01	.3	30.1	266	292d	.98	<.04	2.84
JUL													
08...	--	--	--	--	--	--	--	--	--	<10	<.10	.05	<.06
08...	--	--	--	--	--	--	--	--	--	67	1.0	<.04	<.06
SEP													
16...	--	--	--	--	--	--	--	--	--	<10	.27	E.03n	E.04n

Date	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coliform, M-FC 0.7µ MF col/ 100 mL (31625)	Aluminum, water, fltrd, µg/L (01106)	Aluminum, water, unfltrd recoverable, µg/L (01105)	Arsenic water, fltrd, µg/L (01000)	Cadmium water, fltrd, µg/L (01025)	Cadmium water, unfltrd µg/L (01027)	Copper, water, fltrd, µg/L (01040)	Iron, water, fltrd, µg/L (01046)
NOV													
08...	<.008	E.01n	E.03n	.24	15k	30k	2	2,060d	.7	E.04n	.13	2.7	6
JAN													
21...	.013	<.02	<.04	E.03n	<3b	20k	--	--	--	--	--	--	--
MAR													
03...	.011	E.01n	<.04	.09	<2b	8k	--	--	--	--	--	--	--
MAY													
25...	E.007n	.07	.08	.39	400k	100k	5	2,760d	1.8	E.02n	.18	1.6	<6
JUL													
08...	<.008	<.02	<.04	<.04	--	--	--	--	--	--	--	--	--
08...	<.008	<.02	<.04	.19	62k	90	--	--	--	--	--	--	--
SEP													
16...	<.008	<.02	<.04	.05	100k	150	--	--	--	--	--	--	--

06898100 THOMPSON RIVER NEAR MOUNT MORIAH, MO—Continued

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

Date	Lead, water, fltrd, µg/L (01049)	Lead, water, unfltrd recover -able, µg/L (01051)	Mangan- ese, water, fltrd, µg/L (01056)	Mercury water, unfltrd recover -able, µg/L (71900)	Selen- ium, water, fltrd, µg/L (01145)	Zinc, water, fltrd, µg/L (01090)	Zinc, water, unfltrd recover -able, µg/L (01092)
NOV							
08...	E.05n	4.26	212	<.01	.4	3.2	11
JAN							
21...	--	--	--	--	--	--	--
MAR							
03...	--	--	--	--	--	--	--
MAY							
25...	<.08	5.39	10.9	E.01n	1.5	E.6n	15
JUL							
08...	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--
SEP							
16...	--	--	--	--	--	--	--

Remark codes used in this table:
< -- Less than.
E -- Estimated.

Value qualifier codes used in this table:
b -- Value extrapolated at low end
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
n -- Below the LRL and above the LT-MDL

06898800 WELDON RIVER AT PRINCETON, MO
(Ambient Water-Quality Monitoring Network)

LOCATION.--Lat 40°24'03", long 93°36'10", in SW ¼ NW ¼ SE ¼ sec.28, T.65 N., R.24 W., Mercer County, Hydrologic Unit 10280102, approximately 1 mi west of Princeton on US Highway 136.

DRAINAGE AREA.--452 mi^2.

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

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

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf µS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as $CaCO_3$ (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV												
10...	0930	Environmental	20	11.6	98	8.1	529	8.0	260	77.1	15.3	4.69
JAN												
19...	1345	Environmental	11	12.0	83	7.7	631	.5	--	--	--	--
MAR												
01...	1415	Environmental	80	12.4	101	8.4	495	5.0	--	--	--	--
MAY												
23...	1250	Environmental	128	7.8	95	7.8	358	23.0	170	51.1	10.8	4.97
23...	1251	Replicate	--	--	--	--	--	--	170	49.7	10.6	4.92
JUL												
06...	1230	Environmental	23	7.6	104	8.0	485	30.0	--	--	--	--
SEP												
14...	1245	Environmental	6.0	11.6	136	8.2	467	23.5	--	--	--	--

Date	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, field, mg/L as $CaCO_3$ (00410)	ANC, wat unf incrm. titr., field, mg/L as $CaCO_3$ (00419)	Bicarbonate, wat unf incrm. titr., field, mg/L (00450)	Carbonate, wat unf incrm. titr., field, mg/L (00447)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
NOV													
10...	13.3	214	212	259	<1	10.5	.2	46.2	320	<10	.31	<.04	E.04n
JAN													
19...	--	--	--	--	--	--	--	--	--	<10	.38	.13	.21
MAR													
01...	--	--	--	--	--	--	--	--	--	51	.55	.16	.58
MAY													
23...	8.68	147	149	182	<1	8.42	.2	26.2	229	266d	1.3	E.03n	.88
23...	8.58	--	--	--	--	8.42	.2	26.2	231	288d	1.3	E.03n	.87
JUL													
06...	--	--	--	--	--	--	--	--	--	<10	.32	<.04	<.06
SEP													
14...	--	--	--	--	--	--	--	--	--	10	.46	<.04	<.06

Date	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coliform, M-FC 0.7µ MF col/ 100 mL (31625)	Aluminum, water, fltrd, µg/L (01106)	Aluminum, water, unfltrd recoverable, µg/L (01105)	Arsenic water, fltrd, µg/L (01000)	Cadmium water, fltrd, µg/L (01025)	Cadmium water, unfltrd µg/L (01027)	Copper, water, fltrd, µg/L (01040)	Iron, water, fltrd, µg/L (01046)
NOV													
10...	<.008	<.02	<.04	E.03n	46k	26k	E2n	61	.6	E.04n	.04	3.2	30
JAN													
19...	E.006n	<.02	<.04	<.04	6k	1k	--	--	--	--	--	--	--
MAR													
01...	.008	<.02	<.04	.07	<2b	2k	--	--	--	--	--	--	--
MAY													
23...	.028	.04	.06	.34	7,000	11,000	7	3,520d	1.3	E.02n	.14	2.2	6
23...	.027	.04	.05	.34	--	--	6	3,460d	1.3	E.02n	.13	2.8	9
JUL													
06...	<.008	<.02	<.04	E.04n	200k	33k	--	--	--	--	--	--	--
SEP													
14...	<.008	<.02	<.04	.05	100k	180	--	--	--	--	--	--	--

06898800 WELDON RIVER AT PRINCETON, MO—Continued

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

Date	Lead, water, fltrd, µg/L (01049)	Lead, water, unfltrd recover -able, µg/L (01051)	Mangan- ese, water, fltrd, µg/L (01056)	Mercury water, unfltrd recover -able, µg/L (71900)	Selen- ium, water, fltrd, µg/L (01145)	Zinc, water, fltrd, µg/L (01090)	Zinc, water, unfltrd recover -able, µg/L (01092)
NOV							
10...	.12	.12	1,060	<.01	E.4n	5.7	E2n
JAN							
19...	--	--	--	--	--	--	--
MAR							
01...	--	--	--	--	--	--	--
MAY							
23...	<.08	4.80	17.7	.01	.8	1.0	15
23...	<.08	4.80	17.5	.01	.8	4.1	16
JUL							
06...	--	--	--	--	--	--	--
SEP							
14...	--	--	--	--	--	--	--

Remark codes used in this table:
< -- Less than.
E -- Estimated.

Value qualifier codes used in this table:
b -- Value extrapolated at low end
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
n -- Below the LRL and above the LT-MDL

06899500 THOMPSON RIVER AT TRENTON, MO

LOCATION.--Lat 40°04'09", long 93°38'17" in SW $^1/_4$ NE $^1/_4$ sec.19, T.61 N., R.24 W., Grundy County, Hydrologic Unit 10280102, at downstream side of bridge pier in Trenton, 2.6 mi downstream from Weldon River, and at mile 25.2.

DRAINAGE AREA.--1,720 mi^2.

PERIOD OF RECORD.--June 1921 to September 1923, August 1928 to current year. June 1921 to September 1923, published as "near Hickory". Monthly discharge only for some periods, published in WSP 1310. Gage-height records collected in vicinity 1910-14 and since 1925 in reports of the National Weather Service.

REVISED RECORDS.--WSP 1116: 1945(M). WDR MO-83-1: 1981.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 710.26 ft above National Geodetic Vertical Datum of 1929. June 25, 1921, to Aug. 26, 1923, nonrecording gage at two sites 12 mi downstream (by old channel route) at different datums; Aug. 23, 1928, to Sept. 15, 1930, nonrecording gage at site 0.8 mi upstream from current site at datum of 721.87; Sept. 16, 1930, to May 31 1945, nonrecording gage at site 0.7 mi downstream at datum 3.46 ft lower; June 1, 1945, to Dec. 7, 1959, nonrecording gage at same site and datum; Dec. 8, 1959 to Oct. 27, 1998 at site 0.8 mi upstream from current site at datum 721.87 ft. Oct. 28, 1998 to Sept. 10, 2003 at current site at datum 720.26 ft. Datum lowered 10 ft. on Sept. 10, 2003.

REMARKS.--Records fair except for estimated daily discharges, which are poor. U.S. Army Corps of Engineers satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known, 30.7 ft, July 6, 1909, present site and datum, from information by local residents; discharge, 50,000 ft^3/s, determined by the U.S. Army Corps of Engineers, occurred before new channel was dredged.

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	157	745	152	131	460	310	231	482	259	307	104	61
2	159	731	151	134	454	297	221	425	244	350	95	58
3	154	360	152	156	419	281	213	389	249	375	91	53
4	150	291	155	299	430	265	201	361	473	292	85	50
5	146	247	167	174	536	262	200	342	2,730	233	80	50
6	145	225	554	121	785	256	199	320	4,460	188	78	44
7	148	233	380	189	2,340	257	208	299	1,520	169	75	44
8	161	216	270	161	1,080	258	2,020	286	3,780	153	78	44
9	147	200	233	152	647	245	1,360	279	5,640	144	73	40
10	138	187	207	150	479	234	803	266	4,230	137	70	38
11	133	178	178	150	452	231	619	262	4,510	133	67	37
12	146	170	159	186	459	228	931	301	4,390	129	66	35
13	170	168	144	602	7,260	222	3,370	1,950	6,600	118	86	33
14	140	164	128	339	5,950	213	1,870	3,630	2,930	113	120	35
15	127	163	118	e270	3,430	211	1,050	4,670	2,910	108	139	45
16	119	160	125	e215	2,220	207	754	3,090	1,500	104	123	45
17	114	158	124	e180	1,280	200	604	1,450	1,050	102	103	43
18	113	161	130	e130	839	195	514	2,120	827	108	90	40
19	112	162	91	e140	629	193	456	2,160	689	116	85	40
20	111	165	e88	e160	560	188	412	1,240	596	113	98	40
21	113	163	e87	e290	538	180	3,400	874	529	109	82	38
22	116	160	e85	338	495	184	3,740	4,670	475	116	71	34
23	119	160	e84	e225	448	236	4,290	1,670	430	115	65	32
24	117	156	e84	e175	410	267	2,350	815	389	108	61	35
25	114	153	e85	e250	380	264	1,350	567	359	104	65	37
26	132	154	e88	e430	359	263	1,010	454	336	123	66	31
27	217	157	e92	e710	346	251	810	381	314	e164	e66	28
28	182	153	e100	e600	335	246	747	331	305	e208	e65	33
29	193	150	112	e460	---	241	664	296	296	186	e65	33
30	559	154	126	e425	---	236	555	278	307	152	e72	38
31	254	---	139	e430	---	228	---	263	---	134	e65	---
MEAN	158	221	154	270	1,215	237	1,172	1,126	1,778	162	82.2	40.5
MAX	559	745	554	710	7,260	310	4,290	4,670	6,600	375	139	61
MIN	111	150	84	121	335	180	199	262	244	102	61	28
IN.	0.11	0.14	0.10	0.18	0.74	0.16	0.76	0.76	1.15	0.11	0.06	0.03

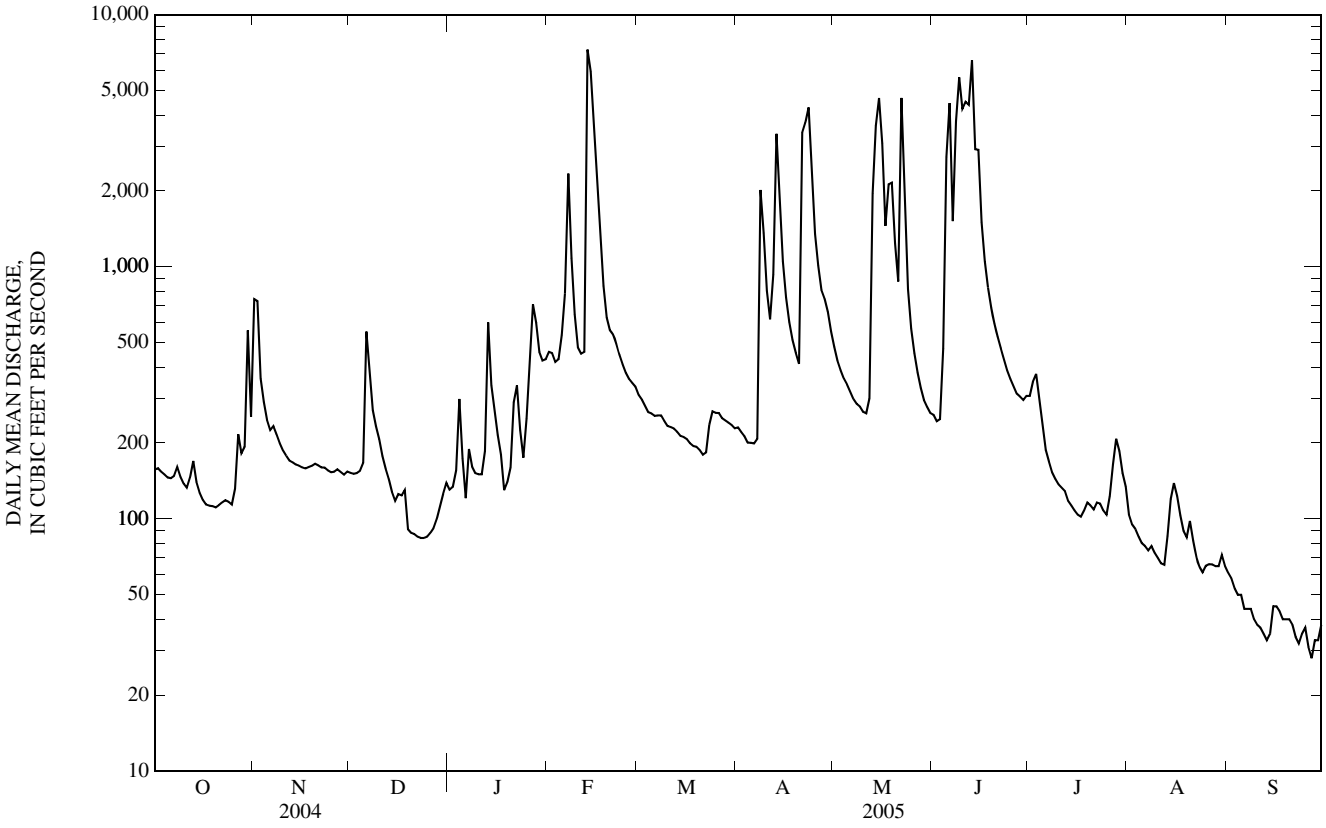
STATISTICS OF MONTHLY MEAN DATA FOR PERIOD OF RECORD, BY WATER YEAR (WY)

MEAN	562	630	456	443	910	1,558	1,689	1,778	1,804	1,046	534	662
MAX	4,678	6,280	4,209	3,682	4,378	5,765	5,580	8,757	16,460	18,860	3,990	8,443
(WY)	(1974)	(1962)	(1983)	(1946)	(1962)	(1979)	(1973)	(1995)	(1947)	(1993)	(1959)	(1992)
MIN	11.1	9.53	6.48	4.74	13.0	17.6	10.7	10.2	13.9	6.00	9.32	12.9
(WY)	(1957)	(1956)	(1956)	(1956)	(1956)	(1938)	(1956)	(1956)	(1956)	(1934)	(1936)	(1955)

06899500 THOMPSON RIVER AT TRENTON, MO—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		FOR PERIOD OF RECORD	
ANNUAL MEAN	1,033		543		1,005	
HIGHEST ANNUAL MEAN					3,576	1993
LOWEST ANNUAL MEAN					117	1934
HIGHEST DAILY MEAN	27,000	Aug 28	7,260	Feb 13	73,800	Jun 6, 1947
LOWEST DAILY MEAN	18	Feb 6-8	28	Sep 27	1.0	Jun 17, 1956
ANNUAL SEVEN-DAY MINIMUM	19	Feb 4	33	Sep 23	1.7	Aug 4, 1934
MAXIMUM PEAK FLOW	---		10,300	Apr 21	95,000	Jun 6, 1947
MAXIMUM PEAK STAGE	---		20.62	Apr 21	29.20	May 30, 2004
INSTANTANEOUS LOW FLOW	---		27	Sep 26,27	1.0	Jun 17, 1956
ANNUAL RUNOFF (INCHES)	8.18		4.29		7.94	
10 PERCENT EXCEEDS	2,200		1,260		2,300	
50 PERCENT EXCEEDS	232		199		210	
90 PERCENT EXCEEDS	45		66		29	

e Estimated



06899580 NO CREEK NEAR DUNLAP, MO
(Ambient Water-Quality Monitoring Network)

LOCATION.--Lat 40°06'19", long 93°29'29", in SE ¼ SE ¼ SW ¼ sec.4, T.61 N., R.23 W., Grundy County, Hydrologic Unit 10280102, on upstream side of bridge on County Road N approximately 0.6 mi west of Dunlap.

DRAINAGE AREA.--34.0 mi^2.

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

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

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf µS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as $CaCO_3$ (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT												
26...	1405	Environmental	1.0	6.5	64	7.9	378	15.0	--	--	--	--
NOV												
16...	1150	Environmental	3.7	10.5	92	8.1	401	10.0	170	46.9	11.8	3.58
DEC												
14...	1405	Environmental	6.2	15.8	110	8.0	370	.5	--	--	--	--
JAN												
25...	1244	Environmental	.08	12.6	90	7.6	327	.5	140	39.5	9.34	5.02
25...	1251	Replicate	--	--	--	--	--	--	140	39.8	9.20	5.34
FEB												
10...	1355	Environmental	21	14.3	100	7.9	303	.5	--	--	--	--
MAR												
17...	1310	Environmental	2.9	12.2	109	8.3	408	10.5	--	--	--	--
APR												
05...	1520	Environmental	3.6	8.2	96	8.2	419	13.5	--	--	--	--
MAY												
12...	0950	Environmental	2.0	6.8	73	7.6	397	17.0	160	45.1	11.6	4.01
JUN												
30...	1255	Environmental	.86	6.9	85	8.1	438	23.5	--	--	--	--
JUL												
13...	0805	Environmental	.03	6.3	73	8.0	489	21.0	200	56.4	13.9	4.34
AUG												
19...	1040	Environmental	.02	5.8	73	8.0	426	25.5	--	--	--	--
SEP												
21...	1210	Environmental	.05	8.2	96	8.2	474	23.0	--	--	--	--

Date	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, field, mg/L as $CaCO_3$ (00410)	ANC, wat unf incrm. titr., field, mg/L as $CaCO_3$ (00419)	Bicarbonate, wat unf incrm. titr., field, mg/L (00450)	Carbonate, wat unf incrm. titr., field, mg/L (00447)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
26...	--	--	--	--	--	--	--	--	--	<10	.71	<.04	<.06
NOV													
16...	14.6	80	81	99	<1	7.38	.1	39.6	250	<10	.38	<.04	.09
DEC													
14...	--	--	--	--	--	--	--	--	--	18	.45	E.04n	.20
JAN													
25...	11.7	109	107	131	<1	8.21	.1	34.7	205	18	.88	.21	.33
25...	11.6	--	--	--	--	8.16	.1	34.7	206	21	.84	.21	.33
FEB													
10...	--	--	--	--	--	--	--	--	--	138	.92	.07	.47
MAR													
17...	--	--	--	--	--	--	--	--	--	<10	.34	<.04	<.06
APR													
05...	--	--	--	--	--	--	--	--	--	<10	.41	<.04	<.06
MAY													
12...	17.2	133	132	161	<1	7.33	.2	36.1	241	52	.76	<.04	<.06
JUN													
30...	--	--	--	--	--	--	--	--	--	24	.67	<.04	.06
JUL													
13...	29.1	204	206	251	<1	8.09	.3	38.9	302	<10	.52	E.03n	<.06
AUG													
19...	--	--	--	--	--	--	--	--	--	33	.68	E.03n	<.06
SEP													
21...	--	--	--	--	--	--	--	--	--	53	.69	<.04	<.06

06899580 NO CREEK NEAR DUNLAP, MO—Continued

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

Date	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coli-form, M-FC 0.7µ MF col/ 100 mL (31625)	Alum-inum, water, fltrd, µg/L (01106)	Alum-inum, water, unfltrd recover -able, µg/L (01105)	Arsenic water, fltrd, µg/L (01000)	Cadmium water, fltrd, µg/L (01025)	Cadmium water, unfltrd µg/L (01027)	Copper, water, fltrd, µg/L (01040)	Iron, water, fltrd, µg/L (01046)
OCT													
26...	<.008	.15	.18	.28	3,500	3,700	--	--	--	--	--	--	--
NOV													
16...	<.008	E.01n	<.04	.06	550	530	2	158	1.0	<.04	<.04	4.0	13
DEC													
14...	<.008	<.02	<.04	.08	190k	140k	--	--	--	--	--	--	--
JAN													
25...	.011	.02	.04	.14	--r	96	2	305	.7	E.02n	E.03n	5.5	33
25...	.011	.02	E.04n	.14	--	--	2	312	.7	E.02n	E.03n	6.5	36
FEB													
10...	E.005n	E.01n	E.03n	.16	100k	100k	--	--	--	--	--	--	--
MAR													
17...	<.008	<.02	<.04	E.04n	13k	31k	--	--	--	--	--	--	--
APR													
05...	<.008	E.01n	<.04	.04	62k	96	--	--	--	--	--	--	--
MAY													
12...	<.008	.02	.04	.14	2,100	2,000	2	951	1.4	<.04	.05	1.8	6
JUN													
30...	E.005n	.04	.06	.12	4,600k	1,100	--	--	--	--	--	--	--
JUL													
13...	<.008	.02	E.04n	.06	400	570	3	170	1.6	.05	E.04n	6.1	E4n
AUG													
19...	<.008	.02	E.04n	.09	1,400	530	--	--	--	--	--	--	--
SEP													
21...	<.008	.02	E.04n	.12	200	300	--	--	--	--	--	--	--

Date	Lead, water, fltrd, µg/L (01049)	Lead, water, unfltrd recover -able, µg/L (01051)	Mangan-ese, water, fltrd, µg/L (01056)	Mercury water, unfltrd recover -able, µg/L (71900)	Selen-ium, water, fltrd, µg/L (01145)	Zinc, water, fltrd, µg/L (01090)	Zinc, water, unfltrd recover -able, µg/L (01092)
OCT							
26...	--	--	--	--	--	--	--
NOV							
16...	.12	.21	282	<.01	E.4n	3.6	E1n
DEC							
14...	--	--	--	--	--	--	--
JAN							
25...	.20	.42	212	<.01	E.4n	4.8	2
25...	.26	.41	214	<.01	E.3n	6.4	2
FEB							
10...	--	--	--	--	--	--	--
MAR							
17...	--	--	--	--	--	--	--
APR							
05...	--	--	--	--	--	--	--
MAY							
12...	<.08	1.13	128	<.01	.5	.8	6
JUN							
30...	--	--	--	--	--	--	--
JUL							
13...	.11	.22	203	<.01	.4	5.0	E2n
AUG							
19...	--	--	--	--	--	--	--
SEP							
21...	--	--	--	--	--	--	--

Remark codes used in this table:
< -- Less than.
E -- Estimated.

Value qualifier codes used in this table:
k -- Counts outside acceptable range
n -- Below the LRL and above the LT-MDL

Null value qualifier codes used in this table:
r -- Sample ruined in preparation

06899950 MEDICINE CREEK AT HARRIS, MO
(Ambient Water-Quality Monitoring Network)

LOCATION.--Lat 40°18'32", long 93°20'15", in NE ¼ NE ¼ NW ¼ sec.35, T.64 N., R.22 W., Sullivan County, Hydrologic Unit 10280103, on the left bank on upstream side of the bridge on State Highway E, approximately 0.6 mi east of Harris.

DRAINAGE AREA.--192 mi^2.

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

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

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf µS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as $CaCO_3$ (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT												
27...	1330	Environmental	50	8.3	84	8.0	374	14.5	--	--	--	--
NOV												
18...	1045	Environmental	16	9.8	93	7.9	489	12.5	210	62.6	13.9	4.51
DEC												
16...	1445	Environmental	26	13.2	99	8.0	492	2.3	--	--	--	--
JAN												
27...	1320	Environmental	169	13.6	98	7.8	236	1.0	95	27.6	6.25	8.17
FEB												
09...	1020	Environmental	105	13.5	97	7.8	314	.5	--	--	--	--
MAR												
16...	1345	Environmental	28	11.9	108	8.2	443	11.0	--	--	--	--
APR												
08...	1105	Environmental	77	10.3	94	7.9	471	11.0	--	--	--	--
MAY												
11...	1230	Blank	--	--	--	--	--	--	--	<.02	<.008	<.16
11...	1315	Environmental	24	7.9	95	7.5	486	22.5	220	63.1	14.3	4.18
JUN												
29...	1310	Environmental	77	6.2	81	7.7	222	27.0	--	--	--	--
JUL												
12...	1155	Environmental	5.7	8.9	174	7.8	490	26.0	220	65.0	13.4	4.29
AUG												
17...	1255	Environmental	6.2	8.0	99	7.9	437	26.0	--	--	--	--
SEP												
20...	1000	Environmental	3.6	8.9	95	7.8	396	18.5	--	--	--	--

Date	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, field, mg/L as $CaCO_3$ (00410)	ANC, wat unf incrm. titr., field, mg/L as $CaCO_3$ (00419)	Bicarbonate, wat unf incrm. titr., field, mg/L (00450)	Carbonate, wat unf incrm. titr., field, mg/L (00447)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
OCT													
27...	--	--	--	--	--	--	--	--	--	131	1.0	E.02n	.45
NOV													
18...	14.4	178	178	217	<1	11.2	.2	53.5	296	<10	.33	<.04	<.06
DEC													
16...	--	--	--	--	--	--	--	--	--	<10	.50	.13	.33
JAN													
27...	5.52	74	71	87	<1	7.16	.2	20.1	145	280d	1.8	.51	.48
FEB													
09...	--	--	--	--	--	--	--	--	--	165	1.1	.20	1.07
MAR													
16...	--	--	--	--	--	--	--	--	--	<10	.38	<.04	<.06
APR													
08...	--	--	--	--	--	--	--	--	--	79	.62	<.04	<.06
MAY													
11...	E.18n	--	--	--	--	<.20	<.1	<.2	<10	<10	<.10	<.04	<.06
11...	14.8	182	184	225	<1	9.28	.2	53.1	304	15	.46	<.04	<.06
JUN													
29...	--	--	--	--	--	--	--	--	--	620d	3.9	<.04	1.70
JUL													
12...	15.9	183	182	222	<1	10.5	.3	59.5	306	<10	.37	<.040	<.04
AUG													
17...	--	--	--	--	--	--	--	--	--	<10	.50	<.04	.22
SEP													
20...	--	--	--	--	--	--	--	--	--	14	.34	<.04	E.04n

06899950 MEDICINE CREEK AT HARRIS, MO—Continued

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

Date	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coli-form, M-FC 0.7µ MF col/ 100 mL (31625)	Alum-inum, water, fltrd, µg/L (01106)	Alum-inum, water, unfltrd recover -able, µg/L (01105)	Arsenic water, fltrd, µg/L (01000)	Cadmium water, fltrd, µg/L (01025)	Cadmium water, unfltrd µg/L (01027)	Copper, water, fltrd, µg/L (01040)	Iron, water, fltrd, µg/L (01046)
OCT													
27...	.015	.05	.07	.31	4,900	7,400	--	--	--	--	--	--	--
NOV													
18...	<.008	<.02	<.04	.04	240k	110k	2	115	.7	.04	.06	1.3	15
DEC													
16...	<.008	<.02	<.04	.05	80	54k	--	--	--	--	--	--	--
JAN													
27...	.020	.13	.17	.53	750k	1,300	3	2,880d	1.0	E.03n	.21	2.5	91
FEB													
09...	.011	.03	.05	.25	200k	260	--	--	--	--	--	--	--
MAR													
16...	<.008	<.02	<.04	.06	3k	4k	--	--	--	--	--	--	--
APR													
08...	<.008	.02	E.03n	.21	--r	870	--	--	--	--	--	--	--
MAY													
11...	<.008	<.02	<.04	<.04	--	--	<2	E1n	<.2	<.04	<.04	E.2n	<6
11...	<.008	E.01n	E.03n	.08	110k	130k	4	193	1.0	E.02n	.06	1.4	17
JUN													
29...	.098	.03	.09	1.27	14,000	12,000k	--	--	--	--	--	--	--
JUL													
12...	--p	--p	<.04	.05	49k	86k	2	55	.9	.04	.06	1.5	26
AUG													
17...	.011	<.02	<.04	.06	97k	200	--	--	--	--	--	--	--
SEP													
20...	<.008	<.02	<.04	.05	340	450	--	--	--	--	--	--	--

06899950 MEDICINE CREEK AT HARRIS, MO—Continued

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

Date	Lead, water, fltrd, µg/L (01049)	Lead, water, unfltrd recover -able, µg/L (01051)	Mangan- ese, water, fltrd, µg/L (01056)	Mercury water, unfltrd recover -able, µg/L (71900)	Selen- ium, water, fltrd, µg/L (01145)	Zinc, water, fltrd, µg/L (01090)	Zinc, water, unfltrd recover -able, µg/L (01092)
OCT							
27...	--	--	--	--	--	--	--
NOV							
18...	E.06n	.16	1,070	<.01	E.4n	3.0	E2n
DEC							
16...	--	--	--	--	--	--	--
JAN							
27...	.21	4.94	378	<.01	E.3n	1.9	17
FEB							
09...	--	--	--	--	--	--	--
MAR							
16...	--	--	--	--	--	--	--
APR							
08...	--	--	--	--	--	--	--
MAY							
11...	<.08	E.05n	<.6	<.01	<.4	E.3n	<2
11...	<.08	.32	180	<.01	.5	E.5n	2
JUN							
29...	--	--	--	--	--	--	--
JUL							
12...	<.08	.07	901	<.01	.5	.9	E1n
AUG							
17...	--	--	--	--	--	--	--
SEP							
20...	--	--	--	--	--	--	--

Remark codes used in this table:
< -- Less than.
E -- Estimated.

Value qualifier codes used in this table:
d -- Diluted sample: method hi range exceeded
k -- Counts outside acceptable range
n -- Below the LRL and above the LT-MDL

Null value qualifier codes used in this table:
p -- Sample discarded: improper preservation
r -- Sample ruined in preparation