Water Resources Data
Missouri
Water Year 1996

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U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MO-96 -1
Prepared in cooperation with the State of MIssouri
and other agencies

06902000 GRAND RIVER NEAR SUMNER, MO

LOCATION.--Lat 39°38'25", long 93°16'25", in NE 1/4 sec.29, T.56 N., R.21 W., Livingston County, Hydrologic Unit 10280103, near right bank on downstream side of pier of bridge on State Highway 139, 240 ft downstream from Chicago, Burlington and Quincy Railroad Bridge, 2.0 mi southwest of Sumner, 2.5 mi downstream from Locust Creek, and at mile 41.0.

DRAINAGE AREA.--6,880 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1923 to current year. Prior to April 1924 monthly discharge only, published in WSP 1310.

GAGE.--Water-stage recorder. Datum of gage is 631.18 ft above sea level. Prior to July 11, 1926, nonrecording gage at site 200 ft upstream at same datum; July 11, 1926, to July 9, 1939, nonrecording gage at same site and datum; July 10, 1939, to Aug. 8, 1952, water-stage recorder at site 200 ft upstream at same datum; Aug. 9, 1952, to Nov. 12, 1953, nonrecording gage at site 120 ft upstream and at same datum; Nov. 13, 1953, to July 6, 1964, water-stage recorder and nonrecording gage, for stages below 8.3 ft, at site 120 ft upstream and at same datum; July 7, 1964, to May 26, 1965, nonrecording gage at present site and datum. Auxiliary water-stage recorder at site 3.2 mi downstream from base gage at datum 631.30 ft above sea level; Mar. 15, 1939, to Aug. 4, 1942, auxiliary nonrecording gage at various sites; Aug. 5, 1942, to Dec. 14, 1956, auxiliary nonrecording gage at present site.

REMARKS.--No estimated daily discharges. Water-discharge records fair except for Feb. 9, 11, Mar. 6, May 7-9, June 24, 25, and July 21, which are poor. National Weather Service gage-height and U.S. Army Corps of Engineers satellite telemeters at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 9, 1909, reached a stage of 36.7 ft, from floodmark.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	339	330	294	289	327	1200	1470	427	34400	3020	1130	1290
2	360	665	309	293	274	979	1340	788	50600	2890	957	1040
3	447	901	321	287	245	969	1300	1450	50100	2450	820	870
4	374	686	330	225	205	815	1250	1350	31700	2140	742	740
5	343	732	327	218	184	1360	1090	1240	13600	1950	2080	652
6	339	579	321	211	174	4060	933	1710	22000	1800	2840	592
7	335	470	318	181	194	3460	809	9880	49400	1770	1660	545
8	335	427	314	235	726	1920	734	24900	48700	1630	1320	551
9	334	388	274	247	2070	1470	690	51100	31900	1460	1180	602
10	331	354	216	239	3250	1640	675	61600	13100	1330	1020	612
11	331	346	246	241	7360	1730	635	64000	8430	1230	901	1100
12	331	346	223	245	7140	1580	575	57800	7020	1160	872	936
13	330	339	216	270	4820	1450	519	33500	5960	1090	848	734
14	326	338	221	290	3120	1350	472	14500	5000	1030	860	601
15	309	335	242	294	2370	1320	477	29500	4290	1000	837	521
16	300	334	275	297	1890	1300	574	25600	3690	996	781	507
17	293	331	287	302	2190	1250	907	9580	5850	1050	791	492
18	278	330	293	421	1720	1170	837	6670	17100	964	1620	453
19	261	327	294	455	1610	1090	690	5650	13400	874	4150	413
20	237	325	296	584	1600	982	558	4560	6710	1860	2600	401
21	224	319	293	547	1640	876	481	5400	4500	22000	8350	385
22	221	314	295	426	1540	786	428	6340	3660	28800	5400	351
23	241	312	296	427	1600	727	395	8350	3690	9630	3810	389
24	226	306	292	581	1670	727	377	42600	8900	4240	9440	541
25	223	304	295	838	1660	1150	388	41500	33000	2870	5340	693
26	223	301	294	846	1550	1630	359	41100	20000	2190	3040	1070
27	224	301	293	703	1510	2030	324	60300	8090	1720	2280	7610
28	222	297	289	625	1510	1570	326	79700	5220	1430	1840	9070
29	221	295	273	511	1420	1340	349	85800	3940	1240	1500	4680
30	224	280	267	416	---	1200	391	79300	3230	1210	1390	2620
31	255	---	288	367	---	1300	---	53400	---	1210	1520	---
MEAN	292	397	284	391	1916	1433	678	29340	17240	3491	2320	1369
MAX	447	901	330	846	7360	4060	1470	85800	50600	28800	9440	9070
MIN	221	280	216	181	174	727	324	427	3230	874	742	351
IN.	.05	.06	.05	.07	.30	.24	.11	4.92	2.80	.59	.39	.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 1996, BY WATER YEAR (WY)

MEAN	2636	2925	2060	1973	3613	5986	6815	6492	7420	4826	1798	3188
MAX	20630	29030	15440	14750	19250	34220	26680	43450	67270	87900	9194	28090
(WY)	1974	1932	1983	1932	1962	1979	1973	1995	1947	1993	1987	1926
MIN	37.1	40.3	53.0	32.1	57.0	79.5	67.3	130	176	52.8	41.0	62.5
(WY)	1957	1957	1956	1940	1939	1957	1956	1956	1988	1934	1936	1955

SUMMARY STATISTICS	FOR 1995 CALENDAR YEAR		FOR 1996 WATER YEAR		WATER YEARS 1925 - 1996	
ANNUAL MEAN	6661		4946		4138	
HIGHEST ANNUAL MEAN					17390	1993
LOWEST ANNUAL MEAN					367	1934
HIGHEST DAILY MEAN	78300	May 26	85800	May 29	166000	Jun 8 1947
LOWEST DAILY MEAN	216	Dec 10,13	174	Feb 6	10	Aug 12 1934
ANNUAL SEVEN-DAY MINIMUM	223	Oct 24	222	Jan 4	12	Aug 7 1934
INSTANTANEOUS PEAK FLOW	---		Unknown		180000	Jun 8 1947
INSTANTANEOUS PEAK STAGE	---		Unknown		42.52	Jul 10 1993
INSTANTANEOUS LOW FLOW	---		102	Jan 4	10	Aug 12 1934
ANNUAL RUNOFF (INCHES)	13.14		9.79		8.17	
10 PERCENT EXCEEDS	18100		9480		10300	
50 PERCENT EXCEEDS	911		842		973	
90 PERCENT EXCEEDS	293		274		127	

06902000 GRAND RIVER NEAR SUMNER, MO--Continued
(Ambient water-quality monitoring network)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1962 to June 1963, August 1967 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: January 1974 to September 1981.
WATER TEMPERATURE: January 1974 to September 1981.

REMARKS.--National stream-quality accounting network station October 1967 to September 1993. Ambient water-quality monitoring network station since October 1993.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. (CUBIC FEET PER SECOND) (00061)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (mg/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 µm-MF (COLS./ 100 mL) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 mL) (31673)	HARD-NESS TOTAL (mg/L as $CaCO_3$) (00900)	CALCIUM DIS-SOLVED (mg/L as Ca) (00915)
OCT												
24...	0930	235	505	8.2	9.5	13	11.8	103	200	89	230	69
NOV												
06...	0920	595	440	8.0	6.0	9.0	11.8	96	1300	950	190	58
DEC												
13...	0950	216	505	7.7	0.5	3.8	13.9	96	43	71	230	69
JAN												
22...	0900	430	430	7.6	0.5	41	11.5	79	1200	K3100	180	54
FEB												
14...	1250	3050	194	7.6	1.5	390	11.7	85	1000	11000	78	24
MAR												
26...	0930	1480	405	8.0	4.0	140	12.9	97	2600	2100	180	52
APR												
16...	0845	520	505	8.3	9.0	9.3	11.2	99	K19	K8	230	69
MAY												
20...	0920	4660	330	7.9	24.0	250	6.7	83	1800	K860	140	43
JUN												
19...	0940	14500	215	7.6	24.5	460	5.2	64	11000	2200	92	29
JUL												
17...	0910	1050	460	8.0	26.5	27	7.0	89	K29	K21	220	66
AUG												
14...	0930	906	390	8.1	25.0	20	8.4	104	40	26	170	53
SEP												
11...	0945	1170	465	8.1	23.5	35	7.2	87	K130	98	210	66

DATE	MAGNE-SIUM, DIS-SOLVED (mg/L as Mg) (00925)	SODIUM, DIS-SOLVED (mg/L as Na) (00930)	POTAS-SIUM, DIS-SOLVED (mg/L as K) (00935)	ALKA-LINITY WAT WH TOT FET FIELD (mg/L as $CaCO_3$) (00410)	ALKA-LINITY WAT DIS TOT IT FIELD (mg/L as $CaCO_3$) (39086)	CAR-BONATE WATER WH IT FIELD (mg/L as CO_3) (00447)	BICAR-BONATE WATER WH IT FIELD (mg/L as HCO_3) (00450)	SULFATE DIS-SOLVED (mg/L as SO_4) (00945)	CHLO-RIDE, DIS-SOLVED (mg/L as Cl) (00940)	FLUO-RIDE, DIS-SOLVED (mg/L as F) (00950)	SILICA, DIS-SOLVED (mg/L as SiO_2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (mg/L) (70300)
OCT												
24...	13	15	3.5	216	221	0	270	36	11	0.20	10	300
NOV												
06...	12	14	4.7	181	181	0	221	34	10	0.20	9.3	274
DEC												
13...	14	17	3.4	244	244	0	299	40	13	0.20	8.9	307
JAN												
22...	12	17	4.4	166	166	0	202	41	14	0.20	7.0	272
FEB												
14...	4.4	4.6	4.6	66	64	0	78	14	6.1	0.20	6.9	120
MAR												
26...	11	14	3.7	161	162	0	198	44	12	0.20	7.2	257
APR												
16...	13	16	3.6	192	191	0	233	51	13	0.20	5.2	292
MAY												
20...	7.7	8.1	4.4	126	122	0	148	29	6.3	0.30	10	213
JUN												
19...	4.7	4.0	3.9	84	84	0	102	12	4.0	0.30	8.8	142
JUL												
17...	14	11	4.0	198	201	0	245	32	8.6	0.20	11	271
AUG												
14...	9.6	9.1	4.1	167	171	0	204	24	7.0	0.20	8.4	234
SEP												
11...	12	10	4.5	197	197	0	240	32	8.0	0.20	11	274

K--Results based on colony count outside the acceptable range (non-ideal colony count).

06902000 GRAND RIVER NEAR SUMNER, MO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (mg/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NITRITE DIS-SOLVED (mg/L as N) (00613)	NITRO-GEN, NO_2+NO_3 DIS-SOLVED (mg/L as N) (00631)	NITRO-GEN, AMMONIA TOTAL (mg/L as N) (00610)	NITRO-GEN, AMMONIA DIS-SOLVED (mg/L as N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (mg/L as N) (00625)	PHOS-PHORUS TOTAL (mg/L as P) (00665)	PHOS-PHORUS DIS-SOLVED (mg/L as P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (mg/L as P) (00671)	ALUM-INUM, DIS-SOLVED (µg/L as Al) (01106)
OCT												
24...	292	0.41	190	<0.010	<0.020	--	0.010	1.4	0.110	0.030	0.010	<10
NOV												
06...	262	0.37	440	0.040	0.310	--	<0.010	0.93	0.100	0.060	0.010	9200
DEC												
13...	315	0.42	179	0.010	0.150	--	0.050	0.34	0.040	<0.020	0.010	<10
JAN												
22...	252	0.37	316	0.010	0.500	--	0.160	0.55	0.080	<0.020	0.010	10
FEB												
14...	110	0.16	988	0.020	1.40	--	0.470	1.1	1.00	0.070	0.020	<10
MAR												
26...	245	0.35	1030	0.020	0.550	--	0.200	1.8	0.310	0.060	0.030	<10
APR												
16...	286	0.40	410	<0.010	<0.020	--	0.010	0.63	0.160	<0.020	0.010	<10
MAY												
20...	186	0.29	2680	0.050	1.00	--	0.020	2.6	0.570	0.070	0.050	<10
JUN												
19...	123	0.19	5560	0.040	1.20	--	0.010	3.6	0.830	0.040	0.060	<5.0
JUL												
17...	268	0.37	768	<0.010	<0.020	--	0.010	0.79	0.160	0.040	0.040	5.5
AUG												
14...	216	0.32	572	<0.010	<0.020	--	0.013	1.1	0.120	0.020	0.040	7.5
SEP												
11...	262	0.37	866	--	--	0.040	--	0.99	0.140	--	--	<5.0

DATE	BARIUM, DIS-SOLVED (µg/L) as Ba) (01005)	COBALT, DIS-SOLVED (µg/L) as Co) (01035)	IRON, DIS-SOLVED (µg/L) as Fe) (01046)	LITHIUM DIS-SOLVED (µg/L) as Li) (01130)	MANGA-NESE, DIS-SOLVED (µg/L) as Mn) (01056)	MOLYB-DENUM, DIS-SOLVED (µg/L) as Mo) (01060)	NICKEL, DIS-SOLVED (µg/L) as Ni) (01065)	SELE-NIUM, DIS-SOLVED (µg/L) as Se) (01145)	SILVER, DIS-SOLVED (µg/L) as Ag) (01075)	STRON-TIUM, DIS-SOLVED (µg/L) as Sr) (01080)	VANA-DIUM, DIS-SOLVED (µg/L) as V) (01085)	SI-MAZINE, WATER, DISS, REC (µg/L) (04035)
OCT												
24...	110	<3.0	36	23	870	20	4.0	<1	<1.0	290	<6	--
NOV												
06...	90	<3.0	46	4	200	<10	3.0	<1	<1.0	240	<6	--
DEC												
13...	100	<3.0	94	7	1700	<10	5.0	<1	<1.0	270	<6	<0.005
JAN												
22...	85	<3.0	36	4	570	<10	3.0	<1	<1.0	210	<6	--
FEB												
14...	71	<3.0	21	4	78	<10	4.0	<1	<1.0	89	<6	--
MAR												
26...	87	<3.0	15	12	82	<10	2.0	<1	<1.0	200	<6	<0.005
APR												
16...	100	<3.0	8.0	5	150	<10	2.0	<1	<1.0	260	<6	0.006
MAY												
20...	110	<3.0	10	<4	2.0	<10	3.0	1	<1.0	180	<6	0.083
JUN												
19...	81	<3.0	9.0	<4	<1.0	<10	4.0	<1	<1.0	110	<6	0.010
JUL												
17...	140	<3.0	<3.0	4	59	<10	3.0	<1	<1.0	270	<6	0.022
AUG												
14...	110	<3.0	13	19	40	<10	3.0	<1	<1.0	210	<6	--
SEP												
11...	130	<3.0	<3.0	9	23	<10	3.0	<1	<1.0	250	<6	--

06902000 GRAND RIVER NEAR SUMNER, MO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	PRO-METON, WATER, DISS, REC (µg/L) (04037)	DEETHYL ATRA-ZINE, WATER, DISS, REC (µg/L) (04040)	CYANA-ZINE, WATER, DISS, REC (µg/L) (04041)	METO-LACHLOR WATER DISSOLV (µg/L) (39415)	ATRA-ZINE, WATER, DISS, REC (µg/L) (39632)	ALA-CHLOR, WATER, DISS, REC, (µg/L) (46342)	METRI-BUZIN SENCOR WATER DISSOLV (µg/L) (82630)	PROP-CHLOR, WATER, DISS, REC (µg/L) (04024)	BUTYL-ATE, WATER, DISS, REC (µg/L) (04028)	FONOFOS WATER DISS REC (µg/L) (04095)	ALPHA BHC DIS-SOLVED (µg/L) (34253)
DEC											
13...	<0.018	E0.009	0.014	0.021	0.066	<0.002	<0.004	<0.007	<0.002	<0.003	<0.002
MAR											
26...	<0.018	E0.006	<0.004	0.230	0.180	<0.017	<0.004	<0.007	<0.002	<0.003	<0.002
APR											
16...	0.034	E0.017	0.230	0.220	0.590	0.017	<0.004	<0.007	<0.002	<0.003	<0.002
MAY											
20...	<0.018	E0.170	1.30	2.10	6.70	0.045	0.026	<0.007	<0.002	<0.003	<0.002
JUN											
19...	E0.005	E0.036	0.120	0.610	1.30	0.047	0.041	E0.005	<0.002	<0.003	<0.002
JUL											
17...	<0.018	E0.072	0.230	0.270	1.30	0.005	<0.004	<0.007	<0.002	<0.003	<0.002

DATE	P,P' DDE DISSOLV (µg/L) (34653)	CHLOR-PYRIFOS DIS-SOLVED (µg/L) (38933)	LINDANE DIS-SOLVED (µg/L) (39341)	DI-ELDRIN DIS-SOLVED (µg/L) (39381)	MALA-THION, DIS-SOLVED (µg/L) (39532)	PARA-THION, DIS-SOLVED (µg/L) (39542)	DI-AZINON, DIS-SOLVED (µg/L) (39572)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 µ GF, REC (µg/L) (82660)	ETHAL-FLUR-ALIN WAT FLT 0.7 µ GF, REC (µg/L) (82663)	PHORATE WATER FLTRD 0.7 µ GF, REC (µg/L) (82664)	TER-BACIL WATER FLTRD 0.7 µ GF, REC (µg/L) (82665)
DEC											
13...	<0.006	<0.004	<0.004	<0.001	<0.005	<0.004	<0.002	<0.003	<0.004	<0.002	<0.007
MAR											
26...	<0.006	--	<0.004	<0.001	<0.005	<0.004	<0.002	<0.003	<0.004	<0.002	<0.007
APR											
16...	<0.006	<0.004	<0.004	<0.001	<0.005	<0.004	<0.002	<0.003	<0.004	<0.002	<0.007
MAY											
20...	<0.006	0.037	<0.004	<0.001	<0.005	<0.004	<0.002	<0.003	<0.004	<0.002	<0.007
JUN											
19...	<0.006	<0.004	<0.004	<0.001	<0.005	<0.004	<0.002	<0.003	<0.004	<0.002	<0.007
JUL											
17...	<0.006	<0.004	<0.004	<0.001	<0.005	<0.004	<0.002	<0.003	<0.004	<0.002	<0.007

E--Laboratory estimated value.

06905500 CHARITON RIVER NEAR PRAIRIE HILL, MO--Continued
(Ambient water-quality monitoring network)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1962 to June 1963, August 1967 to July 1975, January 1978 to September 1986, November 1992 to current year.

REMARKS.--National stream-quality accounting network station from January 1978 to September 1986 and an ambient water-quality monitoring network station from November 1992 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. (CUBIC FEET PER SECOND) (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	OXYGEN, DIS-SOLVED (mg/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (mg/L) (00340)	COLI-FORM, FECAL, 0.7 µm-MF (COLS./ 100 mL) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 mL) (31673)	ALKA-LINITY WAT WH TOT FET FIELD (mg/L as $CaCO_3$) (00410)
OCT 24...	1345	33	12.5	385	8.4	11.6	108	--	70	97	165
NOV 06...	1330	272	6.5	370	8.3	12.0	99	10	500	1600	118
DEC 13...	1330	725	0.5	365	8.0	13.7	96	--	26	480	149
JAN 22...	1330	135	0.5	390	7.8	12.0	84	15	560	2100	117
FEB 14...	0935	917	2.0	291	7.7	13.0	95	--	K440	2200	77
MAR 26...	1415	1340	5.5	320	8.1	12.1	95	--	4300	K7100	106
APR 16...	1315	173	12.0	500	8.4	11.4	108	--	K16	30	167
MAY 20...	1400	1200	23.5	365	8.0	7.4	91	--	440	330	120
JUN 19...	1500	1370	27.0	310	8.0	7.4	96	22	2500	K420	106
JUL 17...	1300	1400	26.0	245	8.0	8.1	103	--	78	130	97
AUG 14...	1400	867	26.0	265	8.2	8.6	109	15	K270	210	96
SEP 11...	1430	540	22.5	275	8.2	8.3	98	--	K2800	420	99

DATE	BICAR-BONATE WATER WH IT FIELD (mg/L as HCO_3) (00450)	CAR-BONATE WATER WH IT FIELD (mg/L as CO_3) (00447)	NITRO-GEN, NO_2+NO_3 TOTAL (mg/L as N) (00630)	NITRO-GEN, NITRITE TOTAL (mg/L as N) (00615)	NITRO-GEN, AMMONIA TOTAL (mg/L as N) (00610)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (mg/L as N) (00625)	PHOS-PHORUS TOTAL (mg/L as P) (00665)	PHOS-PHORUS ORTHO TOTAL (mg/L as P) (70507)	HARD-NESS TOTAL (mg/L as $CaCO_3$) (00900)	CALCIUM DIS-SOLVED (mg/L as Ca) (00915)
OCT 24...	195	3	<0.020	<0.010	0.060	1.6	0.100	0.010	--	--
NOV 06...	142	1	0.540	0.010	0.070	0.94	0.100	0.070	180	53
DEC 13...	180	0	0.250	0.010	0.060	0.56	0.050	0.030	--	--
JAN 22...	142	0	0.650	0.020	0.150	0.87	0.100	0.060	180	53
FEB 14...	93	0	1.10	0.030	0.490	1.8	0.290	0.100	--	--
MAR 26...	129	0	0.610	0.300	0.490	3.5	0.980	0.120	--	--
APR 16...	204	1	<0.020	<0.010	0.020	0.58	0.090	0.010	--	--
MAY 20...	149	0	0.370	0.020	0.040	1.7	0.240	0.090	--	--
JUN 19...	130	0	0.590	0.010	0.030	2.2	0.360	0.070	140	42
JUL 17...	118	0	0.750	0.020	0.030	1.5	0.240	0.120	--	--
AUG 14...	117	0	--	--	--	--	--	--	120	35
SEP 11...	119	0	--	--	--	0.93	0.040	--	--	--

K--Results based on colony count outside the acceptable range (non-ideal colony count).

06905500 CHARITON RIVER NEAR PRAIRIE HILL, MO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	NITROGEN, TOTAL (mg/L as N) (00600)	NITROGEN, ORGANIC TOTAL (mg/L as N) (00605)	NITROGEN, AMMONIA DISSOLVED (mg/L as N) (00608)	NITROGEN, NITRITE DISSOLVED (mg/L as N) (00613)	NITROGEN, NO_2+NO_3 DISSOLVED (mg/L as N) (00631)	PHOSPHATE, ORTHO, DISSOLVED (mg/L as PO_4) (00660)	PHOSPHORUS DISSOLVED (mg/L as P) (00666)	PHOSPHORUS ORTHO, DISSOLVED (mg/L as P) (00671)
SEP								
11...	0.93	0.93	<0.010	<0.010	<0.020	0.18	0.040	0.060

DATE	MAGNESIUM, DISSOLVED (mg/L as Mg) (00925)	SODIUM, DISSOLVED (mg/L as Na) (00930)	POTASSIUM, DISSOLVED (mg/L as K) (00935)	SULFATE DISSOLVED (mg/L as SO_4) (00945)	CHLORIDE, DISSOLVED (mg/L as Cl) (00940)	FLUORIDE, DISSOLVED (mg/L as F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (mg/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (mg/L) (00530)	ALUMINUM, TOTAL RECOVERABLE (µg/L as Al) (01105)	ALUMINUM, DISSOLVED (µg/L as Al) (01106)
NOV										
06...	12	8.2	5.3	59	6.5	0.20	234	48	720	<20
JAN										
22...	12	10	3.7	74	7.9	0.20	264	--	1400	<20
JUN										
19...	8.0	6.6	3.9	38	5.1	0.20	194	310	4700	5.0
AUG										
14...	7.0	6.7	4.5	24	5.0	0.20	178	210	2800	3.9

DATE	CADMIUM TOTAL RECOVERABLE (µg/L as Cd) (01027)	CADMIUM DISSOLVED (µg/L as Cd) (01025)	COPPER, DISSOLVED (µg/L as Cu) (01040)	IRON, DISSOLVED (µg/L as Fe) (01046)	LEAD, TOTAL RECOVERABLE (µg/L as Pb) (01051)	LEAD, DISSOLVED (µg/L as Pb) (01049)	MANGANESE, DISSOLVED (µg/L as Mn) (01056)	MERCURY TOTAL RECOVERABLE (µg/L as Hg) (71900)	ZINC, TOTAL RECOVERABLE (µg/L as Zn) (01092)	ZINC, DISSOLVED (µg/L as Zn) (01090)
NOV										
06...	<1	<1.0	1.8	54	2	<1.0	35	<0.10	10	9.0
JAN										
22...	<1	<1.0	1.5	45	2	<1.0	94	<0.10	10	13
JUN										
19...	<1	<1.0	2.3	3.0	7	<1.0	2.9	<0.10	30	5.9
AUG										
14...	<1	<1.0	2.6	2.0	6	<1.0	2.8	<0.10	20	46