

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)	TEMPERATURE WATER (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00300)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (mg/L) (00340)	COLIFORM, FECALE, µm-MF (COLS./100 mL) (31625)	STREPTOCOCCI, KF AGAR (COLS./100 mL) (31673)	ALKALINITY, 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	BICARBONATE WATER WH IT FIELD (mg/L as HCO ₃) (00450)	CARBONATE WATER WH IT FIELD (mg/L as CO ₃) (00447)	NITROGEN, NO ₂ +NO ₃ TOTAL (mg/L as N) (00630)	NITROGEN, NITRITE TOTAL (mg/L as N) (00615)	NITROGEN, AMMONIA TOTAL (mg/L as N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (mg/L as N) (00625)	PHOSPHORUS TOTAL (mg/L as P) (00665)	PHOSPHORUS ORTHO TOTAL (mg/L as P) (70507)	HARDNESS 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).

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

DATE	NITRO- GEN, TOTAL (mg/L as N) (00600)	NITRO- GEN, ORGANIC TOTAL (mg/L as N) (00605)	NITRO- GEN, AMMONIA DIS- SOLVED (mg/L as N) (00608)	NITRO- GEN, NITRITE DIS- SOLVED (mg/L as N) (00613)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (mg/L as N) (00631)	PHOS- PHATE, ORTHO, DIS- SOLVED (mg/L as PO ₄) (00660)	PHOS- PHORUS DIS- SOLVED (mg/L as P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (mg/L as P) (00671)		
SEP 11...	0.93	0.93	<0.010	<0.010	<0.020	0.18	0.040	0.060		
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)	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)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (mg/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, DIS- SUS- PENDED (mg/L) (00530)	ALUM- INUM, TOTAL RECOV- ERABLE (µg/L as Al) (01105)	ALUM- INUM, DIS- SOLVED (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 RECOV- ERABLE (µg/L as Cd) (01027)	CADMIUM DIS- SOLVED (µg/L as Cd) (01025)	COPPER, DIS- SOLVED (µg/L as Cu) (01040)	IRON, DIS- SOLVED (µg/L as Fe) (01046)	LEAD, TOTAL RECOV- ERABLE (µg/L as Pb) (01051)	LEAD, DIS- SOLVED (µg/L as Pb) (01049)	MANGA- NESE, DIS- SOLVED (µg/L as Mn) (01056)	MERCURY TOTAL RECOV- ERABLE (µg/L as Hg) (71900)	ZINC, TOTAL RECOV- ERABLE (µg/L as Zn) (01092)	ZINC, DIS- SOLVED (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