

07018100 BIG RIVER NEAR RICHWOODS, MO--Continued
(Ambient water-quality monitoring network)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--1963 to 1975, November 1983 to June 1987, November 1992 to current year.

REMARKS.--Reestablished ambient water-quality monitoring network station November 1992.

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 FIELD (STANDARD UNITS) (00400)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION) (00300)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (mg/L) (00301)	COLIFORM, FECA, µm-MF (COLS./100 mL) (31625)	STREPTOCOCCI, FECA, (COLS.) (31673)	ALKALINITY WATER FIELD TOT FET (mg/L as CaCO ₃) (00410)	
NOV 21...	1140	153	8.5	525	8.4	12.4	103	--	K1	23	237
JAN 24...	1100	2160	3.5	304	8.0	13.3	100	19	1200	2000	131
MAR 11...	1040	264	4.5	478	8.1	13.9	105	--	K12	26	277
APR 16...	1000	504	11.0	451	8.0	10.6	93	--	K14	K4	189
JUN 03...	1230	377	22.0	457	8.2	8.8	101	<10	46	26	195
AUG 20...	0950	183	25.5	525	8.3	7.9	97	--	230	280	217

DATE	BICARBONATE WATER FIELD (mg/L as HCO ₃) (00450)	CARBONATE WATER 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, 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)
NOV 21...	271	0	<0.020	<0.010	0.020	<0.20	<0.020	<0.010	--	--
JAN 24...	159	0	0.400	0.020	0.040	0.55	0.060	0.040	160	33
MAR 11...	244	0	0.240	<0.010	0.040	<0.20	<0.020	0.010	--	--
APR 16...	234	0	0.020	<0.010	0.010	0.25	0.020	<0.010	--	--
JUN 03...	242	0	0.130	<0.010	0.010	<0.20	<0.020	<0.010	240	50
AUG 20...	256	0	<0.020	<0.010	0.020	<0.20	<0.020	<0.010	--	--

DATE	MAGNESIUM, DIS-SOLVED (mg/L as Mg) (00925)	SODIUM, DIS-SOLVED (mg/L as Na) (00930)	POTASSIUM, DIS-SOLVED (mg/L as K) (00935)	SULFATE, DIS-SOLVED (mg/L as SO ₄) (00945)	CHLORIDE, DIS-SOLVED (mg/L as Cl) (00940)	FLUORIDE, DIS-SOLVED (mg/L as F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C (mg/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (mg/L) (00530)	ALUMINUM, TOTAL RECOVERABLE (µg/L as Al) (01105)	ALUMINUM, DIS-SOLVED (µg/L as Al) (01106)
JAN 24...	18	4.2	1.7	21	6.9	<0.10	195	62	810	850
JUN 03...	27	5.1	1.7	32	6.6	0.10	300	2	50	11

DATE	CADMIUM, TOTAL RECOVERABLE (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 RECOVERABLE (µg/L as Pb) (01051)	LEAD, DIS-SOLVED (µg/L as Pb) (01049)	MANGANESE, DIS-SOLVED (µg/L as Mn) (01056)	MERCURY, TOTAL RECOVERABLE (µg/L as Hg) (71900)	ZINC, TOTAL RECOVERABLE (µg/L as Zn) (01092)	ZINC, DIS-SOLVED (µg/L as Zn) (01090)
JAN 24...	<1	<1.0	1.2	1300	95	5.0	130	<0.10	70	64
JUN 03...	<1	<1.0	1.0	7.0	22	5.0	31	0.10	10	4.8

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