

WHITE RIVER BASIN

07050150 ROARING RIVER SPRING NEAR CASSVILLE, MO
(Ambient water-quality monitoring network)

WATER-QUALITY RECORDS

LOCATION.--Lat 36°35'30", long 93°50'00", in SE 1/4 NE 1/4 sec. 27, T.22 N., R.27 W., Barry County, Hydrologic Unit 11010001. Sample at outlet of spring in Roaring River State Park.

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

REMARKS.--Previously sampled downstream from spring as "Roaring River at Roaring River State Park" from November 1991 until October 1993. Ambient water-quality monitoring network station since November 1993.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPERATURE (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN DEMAND, CHEMICAL (PERCENT HIGH LEVEL) (MG/L) (00301)	OXYGEN DEMAND, CHEMICAL (PERCENT HIGH LEVEL) (MG/L) (00340)	COLIFORM, µM-MF (COLS./100 ML) (31625)	STREPTOCOCCI, KF AGAR PER (MG/L) (31673)	ALKALINITY, WAT WH TOT FET FIELD (MG/L AS CaCO ₃) (00410)
NOV 22...	1200	81	14.0	333	7.28	8.3	80	--	K1	100	149
JAN 11...	1430	28	12.5	331	7.14	8.3	78	10	K6	K1	138
MAR 08...	0800	149	12.5	304	7.30	9.7	92	--	220	350	77
APR 11...	1230	99	13.5	311	6.82	7.7	75	--	20	27	120
JUN 28...	0830	103	14.0	305	7.23	8.2	79	<10	150	410	131
AUG 23...	1400	35	14.5	327	7.10	7.5	75	--	41	K14	139

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)
NOV 22...	182	0	2.40	<0.010	<0.010	<0.20	<0.020	0.020	--	--
JAN 11...	168	0	2.60	<0.010	0.010	<0.20	0.030	0.040	160	59
MAR 08...	94	0	2.00	<0.010	0.010	<0.20	0.080	0.020	--	--
APR 11...	146	0	2.40	<0.010	0.010	<0.20	<0.020	0.020	--	--
JUN 28...	159	0	2.40	<0.010	0.010	<0.20	<0.020	0.020	150	55
AUG 23...	170	0	2.60	0.010	0.010	0.20	0.180	0.020	--	--

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, SUSPENDED (MG/L) (00530)	ALUMINUM, TOTAL RECOVERABLE (µG/L AS AL) (01105)	ALUMINUM, DIS-SOLVED (µG/L AS AL) (01106)
JAN 11...	2.5	3.7	1.2	5.0	16	<0.10	206	<1	40	<20
JUN 28...	2.1	3.0	1.5	3.1	5.8	<0.10	184	6	150	40

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 11...	<1	<1.0	<1	<3	<1	<1	1	0.20	6	<4
JUN 28...	1	1.0	2	17	1	1	3	0.10	8	6

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