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 and published as "Roaring River at Roaring River State Park" (07050152) from November 1991 to October 1993.

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)
NOV											
06...	1330	22	14.5	330	7.4	7.5	74	--	60	20	147
JAN											
17...	0930	22	14.0	340	7.5	5.5	55	<10	150	41	148
MAR											
20...	0930	18	13.0	327	7.3	7.6	72	--	28	K5	144
APR											
02...	1305	26	14.5	338	7.2	9.3	91	--	K8	K9	159
JUN											
20...	0900	31	14.0	331	7.3	6.8	66	<10	270	--	133
AUG											
05...	1545	13	16.5	341	7.2	10.8	114	--	200	56	148

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)
NOV										
06...	178	0	2.60	<0.010	<0.010	<0.20	0.040	0.030	--	--
JAN										
17...	180	0	2.60	<0.010	0.030	<0.20	<0.020	0.020	140	52
MAR										
20...	179	0	2.80	<0.010	0.030	<0.20	<0.020	0.010	--	--
APR										
02...	193	0	2.60	<0.010	0.020	<0.20	0.030	0.030	--	--
JUN										
20...	162	0	2.60	0.010	0.010	<0.20	0.020	0.020	160	61
AUG										
05...	183	0	2.80	<0.010	<0.010	<0.20	<0.020	0.020	--	--

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, SUS-PENDED (mg/L) (00530)	ALUM-INUM, TOTAL RECOV-ERABLE (µg/L as Al) (01105)	ALUM-INUM, DIS-SOLVED (µg/L as Al) (01106)
JAN										
17...	2.6	4.1	1.1	3.9	16	<0.10	216	<1	30	<20
JUN										
20...	2.0	3.6	1.3	5.1	12	<0.10	200	<1	40	9.0

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)
JAN										
17...	<1	<1.0	<1.0	<3.0	<1	<1.0	<1.0	<0.10	7	5.0
JUN										
20...	<1	<1.0	<1.0	4.0	<1	<1.0	0.60	<0.10	3	2.9

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