

07067500 BIG SPRING NEAR VAN BUREN, MO--Continued  
(Ambient water-quality monitoring network)

WATER-QUALITY RECORDS

LOCATION.--Lat 36°57'05", long 90°59'36", in SW 1/4 NE 1/4 sec.6, T.26 N., R.1 E., Carter County, Hydrologic Unit 11010008, 0.4 mi upstream from Current River and 3.5 mi southeast of Van Buren.

PERIOD OF RECORD.--April 1973 to current year.

REMARKS.--Ambient water-quality monitoring network station since November 1993, Ozark Scenic Riverways station since April 1975.

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

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 (PER-CENT SATUR-ATION) (MG/L) (00300)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00301)	COLI-FORM, FECAL, µM-MF (COLS./100 ML) (31625)	STREP-TOCOCCI, FECAL, (COLS./100 ML) (31673)	ALKA-LINITY WAT WH TOT FET FIELD CACO <sub>3</sub> ) (MG/L AS) (00410)	
NOV 07...	1315	830	13.5	257	6.90	9.5	88	--	K2	150	148
JAN 23...	1430	680	14.0	288	7.08	9.2	87	<10	K8	32	141
MAR 14...	1130	660	12.5	255	7.28	10.1	92	--	K67	90	160
APR 18...	1200	592	15.5	320	7.28	9.6	94	--	K4	52	163
JUN 19...	1430	619	14.0	239	7.17	9.1	86	<10	M	170	128
JUL 11...	1145	545	15.0	314	7.23	9.4	90	--	K8	30	158
AUG 07...	1300	452	15.0	336	7.47	8.8	88	--	K3	18	176

DATE	BICAR-BONATE WATER WH IT FIELD (MG/L AS HCO <sub>3</sub> ) (00450)	CAR-BONATE WATER WH IT FIELD (MG/L AS CO <sub>3</sub> ) (00447)	NITRO-GEN, NO <sub>2</sub> +NO <sub>3</sub> 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 <sub>3</sub> ) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV 07...	181	0	0.280	<0.010	<0.010	<0.20	<0.020	0.020	--	--
JAN 23...	166	0	0.390	<0.010	0.010	<0.20	<0.020	0.010	150	30
MAR 14...	200	0	0.430	<0.010	0.010	<0.20	<0.020	0.010	--	--
APR 18...	201	0	0.400	<0.010	0.010	<0.20	<0.020	0.010	--	--
JUN 19...	156	0	0.430	<0.010	0.010	<0.20	<0.020	0.010	130	27
JUL 11...	192	0	0.410	<0.010	0.010	<0.20	<0.020	0.030	--	--
AUG 07...	214	0	0.420	<0.010	0.010	0.20	0.020	0.010	--	--

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS NA) (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 <sub>4</sub> ) (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 (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 23...	18	1.3	0.70	2.4	1.9	<0.10	162	<1	70	<20
JUN 19...	16	1.4	0.90	2.5	3.0	<0.10	136	8	140	30

DATE	CADMIUM TOTAL RECOV-ERABLE (µG/L AS CD) (01027)	CADMIUM DIS-SOLVED (µG/L AS NA) (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 23...	<1	<1.0	<1	8	<1	<1	<1	0.10	<4	<4
JUN 19...	<1	<1.0	<1	15	1	1	1	<0.10	4	<4

K--Results based on colony count outside the acceptable range (non-ideal colony count).  
M--Result compromised due to contaminated bacteria media.