06928440 ROUBIDOUX SPRING AT WAYNESVILLE, MO
(Ambient water-quality monitoring network)

WATER-QUALITY RECORDS

LOCATION.--Lat 37°49'30", long 92°11'53", NE 1/4 NW 1/4 sec.25 T.36 N., R.12 W., Pulaski County, Hydrologic Unit 10290201. Take Business Loop 44 through Waynesville, turn south along river and follow up to spring.

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

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) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | | |
| 04... | 1200 | 23 | 13.5 | 376 | 7.4 | 6.7 | 66 | -- | K3 | K16 | 201 |
| JAN | | | | | | | | | | | |
| 31... | 1322 | 110 | 9.5 | 272 | 7.6 | 11.9 | 102 | <10 | 37 | K18 | 123 |
| MAR | | | | | | | | | | | |
| 18... | 1425 | 35 | 11.0 | 353 | 7.5 | 9.7 | 88 | -- | K6 | 25 | 178 |
| APR | | | | | | | | | | | |
| 12... | 0900 | 104 | 11.0 | 279 | 7.6 | 8.8 | 79 | -- | K18 | 29 | 130 |
| JUN | | | | | | | | | | | |
| 10... | 1500 | 88 | 15.5 | 313 | 7.5 | 5.8 | 58 | <10 | K13 | 25 | 144 |
| AUG | | | | | | | | | | | |
| 26... | 1500 | 34 | 15.5 | 396 | 7.6 | 5.5 | 55 | -- | 22 | 44 | 189 |

| 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) |
|---|---|---|---|---|---|---|---|---|---|---|
| DEC | | | | | | | | | | |
| 04... | 247 | 0 | 0.480 | <0.010 | 0.010 | <0.20 | <0.020 | 0.010 | -- | -- |
| JAN | | | | | | | | | | |
| 31... | 146 | 0 | 0.740 | 0.010 | 0.030 | <0.20 | <0.020 | 0.010 | 140 | 28 |
| MAR | | | | | | | | | | |
| 18... | 218 | 0 | 0.350 | <0.010 | 0.040 | <0.20 | <0.020 | 0.010 | -- | -- |
| APR | | | | | | | | | | |
| 12... | 159 | 0 | 0.530 | <0.010 | 0.010 | <0.20 | <0.020 | <0.010 | -- | -- |
| JUN | | | | | | | | | | |
| 10... | 176 | 0 | 0.310 | <0.010 | 0.010 | <0.20 | <0.020 | <0.010 | 160 | 33 |
| AUG | | | | | | | | | | |
| 26... | 231 | 0 | 0.500 | <0.010 | <0.010 | <0.20 | <0.020 | <0.010 | -- | -- |

| 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 | | | | | | | | | | |
| 31... | 17 | 2.2 | 1.1 | 8.8 | 5.7 | <0.10 | 180 | 2 | 100 | <20 |
| JUN | | | | | | | | | | |
| 10... | 19 | 2.2 | 1.5 | 6.4 | 8.8 | <0.10 | 234 | 2 | 40 | 4.4 |

| 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 | | | | | | | | | | |
| 31... | <1 | <1.0 | <1.0 | 4.0 | <1 | <1.0 | <1.0 | <0.10 | <4 | <4.0 |
| JUN | | | | | | | | | | |
| 10... | <1 | <1.0 | 1.4 | 4.0 | <1 | <1.0 | 0.70 | <0.10 | 1 | 1.2 |

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