



Water-Data Report 2007

06821260 BRUSH CREEK NEAR WALDRON, MO

Lower Missouri Basin

LOCATION.--Lat 39°13'30", long 94°45'33" referenced to North American Datum of 1983, in sec.19, T.51 N., R.34 W., Platte County, MO, Hydrologic Unit 10240011.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 2007 to May 2007, as part of a synoptic study performed in cooperation with the Missouri Department of Natural Resources.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 1 of 5

[Remark codes: <, less than; E, estimated.]

| Date | Time | Sample type | Instantaneous dissolved charge, cfs (00061) | Dissolved oxygen, mg/L (00300) | Dissolved oxygen, percent of saturation (00301) | pH, water, unfltrd std units (00400) | Specific conductance, wat unfiltered μS/cm 25 degC (00095) | Temperature, deg C (00010) | Hardness, water, mg/L as CaCO3 (00900) | Calcium, water, filtered, mg/L (00915) | Magnesium, water, filtered, mg/L (00925) | ANC, water unfiltered end pt, mg/L as CaCO3 (00410) |
|-----------|------|---------------|---|--------------------------------|---|--------------------------------------|--|----------------------------|--|--|--|---|
| Feb 28... | 1330 | Environmental | 5.6 | 12.4 | 105 | 8.0 | 664 | 6.0 | 280 | 88.1 | 13.8 | 220 |
| Jun 01... | 1050 | Environmental | 36 | 7.8 | 88 | 8.1 | 504 | 19.8 | 210 | 68.5 | 10.2 | 192 |

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 2 of 5

[Remark codes: <, less than; E, estimated. Microbiology results with a remark code of E are based on non-ideal colony counts.]

| Date | ANC, water unfiltered incrm. titr., field, mg/L as CaCO3 (00419) | Bicarbonate, water unfiltered incrm. titr., field, mg/L (00450) | Carbonate, water unfiltered incrm. titr., field, mg/L (00447) | Chloride, water, filtered, mg/L (00940) | Residue total non-filterable, mg/L (00530) | Ammonia org-N, water, unfiltered mg/L as N (00625) | Ammonia water, filtered, mg/L as N (00608) | Nitrate + nitrite, water, filtered, mg/L as N (00631) | Nitrite, water, filtered, mg/L as N (00613) | Orthophosphate, water, filtered, mg/L as P (00671) | Phosphorus, water, unfiltered, mg/L (00665) | COD, high level, water, unfiltered, mg/L (00340) | E coli, modified-m-TEC, water, col/100 mL (90902) |
|-----------|--|---|---|---|--|--|--|---|---|--|---|--|---|
| Feb 28... | 217 | 266 | 1 | 57.3 | <10 | .35 | <.020 | .29 | .008 | .015 | .05 | 10 | -- |
| Jun 01... | 193 | 232 | 2 | 24.6 | 263 | 1.1 | .040 | .83 | .016 | .108 | .39 | 20 | 5,000 |

06821260 BRUSH CREEK NEAR WALDRON, MO—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 5

[Remark codes: <, less than; E, estimated. Microbiology results with a remark code of E are based on non-ideal colony counts.]

| Date | E coli, m-TEC MF, water, col/ 100 mL (31633) | Fecal coli- form, M-FC 0.7u MF col/ 100 mL (31625) | Alum- inum, water, recover -able, fltrd, µg/L (01106) | Alum- inum, water, recover -able, fltrd, µg/L (01105) | Arsenic water, fltrd, µg/L (01000) | Arsenic water, unfltrd µg/L (01002) | Beryll- ium, water, recover -able, fltrd, µg/L (01010) | Beryll- ium, water, recover -able, fltrd, µg/L (01012) | Cadmium water, fltrd, µg/L (01025) | Cadmium water, unfltrd µg/L (01027) | Chrom- ium, water, fltrd, µg/L (01030) | Chrom- ium, water, recover -able, fltrd, µg/L (01034) | Copper, water, fltrd, µg/L (01040) |
|--------------|--|---|--|--|--|---|---|---|--|---|---|--|--|
| | Feb 28... | E2 | E5 | 1.9 | 207 | 1.1 | 1.4 | <.06 | <.06 | <.04 | .05 | E.11 | 2.5 |
| Jun 01... | -- | 6,400 | 3.1 | 3,520 | 2.0 | 4.1 | <.06 | .24 | E.02 | .11 | .15 | 4.6 | 2.1 |

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 4 of 5

[Remark codes: <, less than; E, estimated.]

| Date | Copper, water, unfltrd recover -able, µg/L (01042) | Iron, water, recover -able, fltrd, µg/L (01046) | Iron, water, recover -able, fltrd, µg/L (01045) | Lead, water, recover -able, fltrd, µg/L (01049) | Lead, water, recover -able, fltrd, µg/L (01051) | Mangan- ese, water, recover -able, fltrd, µg/L (01056) | Mangan- ese, water, recover -able, fltrd, µg/L (01055) | Mercury water, unfltrd recover -able, µg/L (71900) | Nickel, water, recover -able, fltrd, µg/L (01065) | Nickel, water, unfltrd recover -able, fltrd, µg/L (01067) | Selen- ium, water, fltrd, µg/L (01145) | Selen- ium, water, unfltrd µg/L (01147) | Silver, water, fltrd, µg/L (01075) |
|--------------|--|---|---|---|---|---|---|--|---|--|---|--|--|
| | Feb 28... | 1.6 | 8 | 398 | <.12 | .25 | 292 | 328 | E.009 | 1.4 | 1.54 | 1.0 | .98 |
| Jun 01... | 5.5 | E5 | 5,820 | E.09 | 5.92 | 121 | 561 | .011 | 1.4 | 8.0 | .60 | .59 | <.1 |

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO
SEPTEMBER 2007

Part 5 of 5

[Remark codes: <, less than; E, estimated.]

| Date | Silver, water, unfltrd recover -able, µg/L (01077) | Zinc, water, unfltrd recover -able, fltrd, µg/L (01090) | Zinc, water, unfltrd recover -able, fltrd, µg/L (01092) |
|--------------|--|--|--|
| | Feb 28... | <.02 | 1.8 |
| Jun 01... | .02 | 1.5 | 18.8 |