Water-Data Report 2006

# 412856091430601 Local number 77-08-13 AABB

Sand and gravel aquifers (glaciated regions)
Pleistocene Series

Washington County, IA

LOCATION.--Lat 41°28′56″, long 91°43′06″ referenced to North American Datum of 1927, in NW ¼ NE ¼ NE ¼ sec.13, T.77 N., R.8 W., Washington County, IA, Hydrologic Unit 07080209.

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--1983, 1989, 2006.

COOPERATION.--Samples were collected by the U.S. Geological Survey and analyzed by the University of Iowa State Hygienic Laboratory.

### WATER-QUALITY DATA
### WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 1 of 7

[Remark codes: <, less than; M, presence verified but not quantified.]

| Date | Turbidity, water, unfltrd lab, NTU (82079) | pH, area weighted average std units (90400) | Specif. conductance, wat unf uS/cm 25 degC (00095) | Hardness, water, mg/L as CaCO3 (00900) | Calcium water, fltrd, mg/L (00915) | Magnesium, water, fltrd, mg/L (00925) | Potassium, water, fltrd, mg/L (00935) | Sodium, water, fltrd, mg/L (00930) | ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410) | Chloride, water, fltrd, mg/L (00940) | Fluoride, water, fltrd, mg/L (00950) | Silica, water, fltrd, mg/L (00955) | Sulfate water, fltrd, mg/L (00945) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aug 15... | 51 | 6.9 | 660 | 300 | 72.0 | 35.0 | <1.00 | 16.0 | 240 | 38.0 | .27 | 20.0 | 58.0 |

### WATER-QUALITY DATA
### WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 2 of 7

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| Date | Residue on evap. at 180degC wat flt mg/L (70300) | Residue total at 105 deg. C, suspended, mg/L (00530) | Ammonia + org-N, water, fltrd, mg/L as N (00623) | Ammonia water, fltrd, mg/L as N (00608) | Nitrite + nitrate water fltrd, mg/L as N (00631) | Organic nitrogen, water, fltrd, mg/L (00607) | Orthophosphate, water, fltrd, mg/L as P (00671) | Phosphate, water, unfltrd mg/L (00650) | Organic carbon, water, unfltrd mg/L (00680) | Aluminum, water, fltrd, ug/L (01106) | Antimony, water, fltrd, ug/L (01095) | Arsenic water, fltrd, ug/L (01000) | Barium, water, fltrd, ug/L (01005) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aug 15... | 400 | 5 | .20 | <.050 | <.050 | .20 | <.020 | .070 | 1.4 | <.10 | <.01 | .0 | .2 |

**412856091430601 Local number 77-08-13 AABB—Continued**

**WATER-QUALITY DATA**
**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**
Part 3 of 7
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| Date | Beryll-ium, water, fltrd, ug/L (01010) | Boron, water, fltrd, ug/L (01020) | Cadmium water, fltrd, ug/L (01025) | Chrom-ium, water, fltrd, ug/L (01030) | Copper, water, fltrd, ug/L (01040) | Cyanide water unfltrd mg/L (00720) | Iron, water, fltrd, ug/L (01046) | Lead, water, fltrd, ug/L (01049) | Mangan-ese, water, fltrd, ug/L (01056) | Mercury water, fltrd, ug/L (71890) | Nickel, water, fltrd, ug/L (01065) | Selen-ium, water, fltrd, ug/L (01145) | Silver, water, fltrd, ug/L (01075) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aug 15... | <.0 | <.05 | <.0 | <.01 | <.01 | <.010 | M | <.0 | M | <.00 | <.05 | <.01 | <.01 |

**WATER-QUALITY DATA**
**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**
Part 4 of 7
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| Date | Stront-ium, water, fltrd, ug/L (01080) | Thall-ium, water, fltrd, ug/L (01057) | Zinc, suspnd sedimnt recover -able, ug/L (01091) | 2,4,5-T water unfltrd ug/L (39740) | 2,4-D water unfltrd ug/L (39730) | 2,4-DB water unfltrd ug/L (30219) | CIAT, water, unfltrd ug/L (75981) | CEAT, water, unfltrd ug/L (75980) | Aceto-chlor, water, unfltrd ug/L (49259) | Aci-fluor-fen, water unfltrd ug/L (79193) | Ala-chlor, water, unfltrd ug/L (77825) | Ametryn water unfltrd ug/L (82184) | Atra-zine, water, unfltrd ug/L (39630) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aug 15... | M | <.0 | <.02 | <.20 | <1.00 | <1.0 | <.1 | <.1 | <.050 | <.20 | <.1 | <.1 | <.1 |

**WATER-QUALITY DATA**
**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**
Part 5 of 7
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| Date | Ben-tazon, water, unfltrd ug/L (38710) | Broma-cil, water, unfltrd ug/L (30234) | Brom-oxynil, water, fltrd 0.7u GF ug/L (49311) | Buta-chlor, water, unfltrd ug/L (30235) | Butyl-ate, water, unfltrd ug/L (30236) | Car-baryl, water, unfltrd ug/L (39750) | Carbo-furan, water, unfltrd ug/L (82615) | Chlor-amben, water, unfltrd ug/L (82051) | Cloma-zone, water, fltrd, ug/L (50344) | Cyana-zine, water, unfltrd ug/L (81757) | DCPA, water, unfltrd ug/L (39770) | Dicamba water unfltrd ug/L (82052) | Di-chlor-prop, water, unfltrd ug/L (30190) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aug 15... | <1.0 | .1 | <.20 | <.1 | <.1 | <.05 | <.05 | <.50 | <.050 | <.1 | <.20 | <.50 | <1.0 |

**412856091430601 Local number 77-08-13 AABB—Continued**

**WATER-QUALITY DATA**
**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**
Part 6 of 7
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| Date | Dimethenamid water, fltrd, ug/L (61588) | Dinoseb water unfltrd ug/L (30191) | EPTC, water, unfltrd ug/L (81894) | Metolachlor, water, unfltrd ug/L (39356) | Metribuzin, water unfltrd ug/L (81408) | Pendimethalin, water unfltrd ug/L (79190) | Pentachlorophenol, water, unfltrd ug/L (39032) | Picloram water unfltrd ug/L (39720) | Prometon, water, unfltrd ug/L (39056) | Propachlor, water, unfltrd ug/L (77729) | Propazine, water, unfltrd ug/L (39024) | Silvex, water, unfltrd ug/L (39760) | Simazine, water, unfltrd ug/L (39055) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Aug 15...** | <.05 | <.50 | <.05 | <.05 | <.05 | <.05 | <.50 | <.50 | <.1 | <.05 | <.1 | <.20 | <.1 |

**WATER-QUALITY DATA**
**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**
Part 7 of 7
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| Date | Triallate, water, fltrd 0.7u GF ug/L (82678) | Triclopyr, water, unfltrd ug/L (04092) | Trifluralin, water, unfltrd ug/L (39030) | Gross alpha radioac water, fltrd, U-nat, pCi/L (01515) | Gross beta radioac water, fltrd, Cs-137, pCi/L (03515) | Ra-226, water, fltrd, pCi/L (09503) | Ra-228, water, fltrd, pCi/L (81366) |
|---|---|---|---|---|---|---|---|
| **Aug 15...** | <.050 | <.20 | <.1 | <1.4 | <2.0 | <.70 | <.60 |