



Water-Data Report 2006

414821091575101 Local number 81-10-24 CCAC

Sand and gravel aquifers (glaciated regions)
 Pleistocene Series
 Iowa County, IA

LOCATION.--Lat 41°48'21", long 91°57'51" referenced to North American Datum of 1927, in NE ¼ SW ¼ SW ¼ sec.24, T.81 N., R.10 W., Iowa County, IA, Hydrologic Unit 07080208.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--1983-1985, 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 6

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

Date	Turbidity, water, unfltrd lab, NTU (82079)	pH, area weight- average std units (90400)	Specif. conduc- tance, wat unf 25 degC (00095)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
Jul 19...	<1.0	7.7	1,000	440	100	41.0	1.90	51.0	320	100	.22	19.0	53.0

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

Part 2 of 6

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Date	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, sus- pended, 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 nitro- gen, water, fltrd, mg/L (00607)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phate, water, unfltrd mg/L (00650)	Organic carbon, water, unfltrd mg/L (00680)	Alum- inum, water, fltrd, ug/L (01106)	Anti- mony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)
Jul 19...	630	<1	.20	<.050	2.90	.20	.100	.100	47.0	<.10	<.01	.0	.2

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WATER-QUALITY DATA
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Part 3 of 6

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Date	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium, water, fltrd, ug/L (01025)	Chromium, 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)	Manganese, water, fltrd, ug/L (01056)	Mercury, water, fltrd, ug/L (71890)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)
Jul 19...	<.0	M	<.0	<.01	M	<.010	<.02	<.0	M	<.00	<.05	<.01	<.01

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 4 of 6

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Date	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Zinc, suspnd sedimnt recover, ug/L (01091)	CIAT, water, unfltrd, ug/L (75981)	CEAT, water, unfltrd, ug/L (75980)	Acetochlor, water, unfltrd, ug/L (49259)	Alachlor, water, unfltrd, ug/L (77825)	Ametryn, water, unfltrd, ug/L (82184)	Atrazine, water, unfltrd, ug/L (39630)	Bromacil, water, unfltrd, ug/L (30234)	Butachlor, water, unfltrd, ug/L (30235)	Butylate, water, unfltrd, ug/L (30236)	Carbaryl, water, unfltrd, ug/L (39750)
Jul 19...	M	<.0	<.02	<.1	<.1	<.050	<.1	<.1	<.1	<.1	<.1	<.1	<.05

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 5 of 6

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Date	Carbofuran, water, unfltrd, ug/L (82615)	Clomazone, water, fltrd, ug/L (50344)	Cyanazine, water, unfltrd, ug/L (81757)	Dimethenamid, water, fltrd, ug/L (61588)	EPTC, water, unfltrd, ug/L (81894)	Metolachlor, water, unfltrd, ug/L (39356)	Metribuzin, water, unfltrd, ug/L (81408)	Pendimethalin, water, unfltrd, ug/L (79190)	Prometon, water, unfltrd, ug/L (39056)	Propachlor, water, unfltrd, ug/L (77729)	Propazine, water, unfltrd, ug/L (39024)	Simazine, water, unfltrd, ug/L (39055)	Triallate, water, fltrd, 0.7u GF, ug/L (82678)
Jul 19...	<.05	<.050	<.1	<.05	<.05	<.05	<.05	<.05	<.1	<.05	<.1	<.1	<.050

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Part 6 of 6

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Date	Tri-fluor-alin, 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)
Jul					
19...	<.1	2.0	7.0	<.70	M