



Water-Data Report 2006

**405858093175701 Local number 71-20-06 ABDA**

Cambrian-Ordovician aquifer system

Ordovician-Cambrian Systems

Lucas County, IA

LOCATION.--Lat 40°58'58", long 93°17'57" referenced to North American Datum of 1927, in SE ¼ NW ¼ NE ¼ sec.6, T.71 N., R.20 W., Lucas County, IA, Hydrologic Unit 10280201.

**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--1982, 1992-1993, 1997, 2001, 2003, 2005-2006.

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 2

[Remark codes: <, less than.]

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)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	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)
Jul 06...	2.0	7.9	1,200	230	260	790	1	1.1	.870	<.050	.30	<.020	<.020

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

Part 2 of 2

[Remark codes:  
<, less than.]

Date	Organic carbon, water, unfltrd mg/L (00680)
Jul 06...	<.5