



Water-Data Report 2007

415023094593801 Local number 81-36-12 CBCA

Lower Cretaceous aquifers
 Dakota Group
 Audubon County, IA

LOCATION.--Lat 41°50'23", long 94°59'38" referenced to North American Datum of 1927, in SW ¼ NW ¼ SW ¼ sec.12, T.81 N., R.36 W., Audubon County, IA, Hydrologic Unit 10240002, approximately 0.5 mi west of the Town of Gray on the east side of County Highway N14, south of the Gray Cemetery.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 315 ft. Upper casing diameter 2 in, top of first opening 279 ft, bottom of last opening 295 ft. Drilled observation artesian water well, screened 279-295 ft, gravel-packed.

DATUM.--Land-surface datum is 1,393 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 1.40 ft above land-surface datum, February 4, 1994 to present. Land-surface datum from topographic map.

PERIOD OF RECORD.--August 1981 to September 2004; June 2006 to September 2006; September 2007.

GAGE.--Measurement with chalked tape or electric line by USGS personnel.

REMARKS.--Well WC-18.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 159.00 ft below land-surface datum, August 5, 1998; lowest measured, 167.80 ft below land-surface datum, September 25, 2007.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

[Measurement method: S, steel tape. Water-level status: --, static.]

Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Sep 7	167.69	S	--	Sep 25	167.80	S	--

Water year 2007 highest: 167.69 Sep 7, 2007; lowest: 167.80 Sep 25, 2007