



Water-Data Report 2007

414624095252301 Local number 80-39-06 AADC

Lower Cretaceous aquifers
 Dakota Group
 Shelby County, IA

LOCATION.--Lat 41°46'24", long 95°25'23" referenced to North American Datum of 1927, in SE ¼ NE ¼ NE ¼ sec.6, T.80 N., R.39 W., Shelby County, IA, Hydrologic Unit 10230006, west of the Town of Earling on the north side of State Highway 37, near the junction of State Highways 37 and 191.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 370 ft. Upper casing diameter 2 in, top of first opening 332 ft, bottom of last opening 347 ft. Drilled observation artesian water well, screened 332-347 ft.

DATUM.--Land-surface datum is 1,305 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 2.60 ft above land-surface datum, June 26, 1981 to present. Land-surface datum from topographic map.

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

GAGE.--Measurement with chalked tape by USGS personnel.

REMARKS.--Well WC-10.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.91 ft below land-surface datum, April 10, 1984; lowest measured, 131.70 ft below land-surface datum, April 12, 1990.

**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
Aug 22	109.26	S	--	Sep 25	109.37	S	--

Water year 2007 highest: 109.26 Aug 22, 2007; lowest: 109.37 Sep 25, 2007