



Water-Data Report 2007

424348095231601 Local number 91-39-01 ADAD1

Other aquifers
 Paleozoic Erathem
 Cherokee County, IA

LOCATION.--Lat 42°43'48", long 95°23'16" referenced to North American Datum of 1927, in NE ¼ SE ¼ NE ¼ sec.1, T.91 N., R.39 W., Cherokee County, IA, Hydrologic Unit 10230005, approximately 2 mi east and 0.5 mi north of the Town of Aurelia at the Larson Lake County Park.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 1,545 ft. Upper casing diameter 6 in, top of first opening 1,126 ft, bottom of last opening 1,545 ft. Drilled observation artesian water well, open hole 1,126-1,545 ft.

DATUM.--Land-surface datum is 1,370 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 1.55 ft above land-surface datum, April 22, 1988 to present. Land-surface datum from topographic map.

PERIOD OF RECORD.--September 1979 to September 2004; June 2006 to September 2006; August 2007 to September 2007.

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

REMARKS.--Well D-28.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 189.65 ft below land-surface datum, December 19, 1984; lowest measured, 198.47 ft below land-surface datum, September 27, 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
Aug 22	197.89	S	--	Sep 27	198.47	S	--

Water year 2007 highest: 197.89 Aug 22, 2007; lowest: 198.47 Sep 27, 2007