



Water-Data Report 2007

**414700095373001 Local number 81-41-33 CAAA**

Lower Cretaceous aquifers  
Dakota Group  
Harrison County, IA

LOCATION.--Lat 41°47'00", long 95°37'30" referenced to North American Datum of 1927, in NE ¼ NE ¼ SW ¼ sec.33, T.81 N., R.41 W., Harrison County, IA, Hydrologic Unit 10230007, approximately 4.5 mi south of the Town of Dunlap, and 2 mi east of U.S. Highway 30.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Depth 169 ft. Upper casing diameter 2 in, top of first opening 145 ft, bottom of last opening 169 ft. Drilled observation artesian water well, screened 145-154 ft, open hole 155-169 ft, gravel-packed.

DATUM.--Land-surface datum is 1,182 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 2.90 ft above land-surface datum, June 4, 1982, to present. Land-surface datum from topographic map.

PERIOD OF RECORD.--June 1982 to September 2004; June 2006 to September 2006; August 2007 to September 2007.

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

REMARKS.--Well WC-52.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 70.50 ft below land-surface datum, August 12, 1993; lowest measured, 85.03 ft below land-surface datum, June 4, 1982.

**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	75.83	S	--	Sep 27	75.93	S	--

Water year 2007 highest: 75.83 Aug 22, 2007; lowest: 75.93 Sep 27, 2007