



Water-Data Report 2007

424023095571401 Local number 91-35-26 BCCC

Lower Cretaceous aquifers
 Dakota Group
 Buena Vista County, IA

LOCATION.--Lat 42°40'09", long 94°57'15" referenced to North American Datum of 1927, in SW ¼ SW ¼ NW ¼ sec.26, T.91 N., R.35 W., Buena Vista County, IA, Hydrologic Unit 07100006, approximately 2.7 mi west and 0.5 mi north of the Village of Varina.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 357 ft. Upper casing diameter 2 in, top of first opening 338 ft, bottom of last opening 347 ft. Drilled observation artesian well, screened interval 338-347 ft. Paleozoic rock present at 347 ft.

DATUM.--Land-surface datum is 1,291 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 2.00 ft above land-surface datum, December 12, 1978 to present. Land-surface datum from topographic map.

PERIOD OF RECORD.--December 1978 to August 1994; November 1996 to September 2004; June 2006 to September 2006; August 2007 to September 2007.

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

REMARKS.--Well D-24.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.40 ft below land-surface datum, January 7, 1980; lowest measured, 105.09 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
Aug 15	104.90	S	--	Sep 25	105.09	S	--

Water year 2007 highest: 104.90 Aug 15, 2007; lowest: 105.09 Sep 25, 2007