



Water-Data Report 2006

420507094141901 Local number 84-29-16 CBAB

Sand and gravel aquifers (glaciated regions)
 Beaver Channel Aquifer
 Greene County, IA

LOCATION.--Lat 42°05'07", long 94°14'19" referenced to North American Datum of 1927, in NE ¼ NW ¼ SW ¼ sec.16, T.84 N., R.29 W., Greene County, IA, Hydrologic Unit 07100006, approximately 1.5 mi south of the Town of Dana, east of State Highway 144 near the Chicago and Northwestern Railroad.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 181 ft. Upper casing diameter 2 in; top of first opening 161 ft, bottom of last opening 176 ft. Drilled observation artesian water well, screened 161-176 ft, gravel-packed. Pennsylvanian shale 177-181 ft.

DATUM.--Land-surface datum is 1,075 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 1.43 ft above land-surface datum, May 4, 2004 to present. Land-surface datum from topographic map.

PERIOD OF RECORD.--August 1983 to September 2004; June 2006 to September 30, 2006 (discontinued).

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

REMARKS.--Well WC-233.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.50 ft below land-surface datum, February 8, 2004; lowest measured, 43.28 ft below land-surface datum, October 2, 1989.

**WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

[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
Jun 20	39.07	S	--	Aug 4	39.07	S	--

Water year 2006 highest/lowest: 39.07, Jun 20, 2006, Aug 4, 2006