



Water-Data Report 2007

420004095451501 Local number 83-42-17 ACDD

Sand and gravel aquifers (glaciated regions)
 Basal Pleistocene Aquifer
 Monona County, IA

LOCATION.--Lat 42°00'04", long 95°45'15" referenced to North American Datum of 1927, in SE ¼ SW ¼ NE ¼ sec.17, T.83 N., R.42 W., Monona County, IA, Hydrologic Unit 10230001, approximately 1.75 mi northeast of the Town of Soldier, 0.25 mi west of State Highway 183.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 161 ft. Upper casing diameter 2 in, top of first opening 149 ft, bottom of last opening 154 ft. Drilled observation artesian water well, screened 149-154 ft.

DATUM.--Land-surface datum is 1,160 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 2.20 ft above land-surface datum, May 19, 1983 to present. Land-surface datum from topographic map.

PERIOD OF RECORD.--May 1983 to September 2004; June 2006 to September 2006; August 2007 to September 2007.

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

REMARKS.--Well WC-176.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.50 ft below land-surface datum, November 6, 1991; lowest measured, 64.43 ft below land-surface datum, August 15, 2002.

**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	Measurement method	Water level status	Date	Water level	Measurement method	Water level status
Aug 30	61.84	S	--	Sep 27	61.49	S	--

Water year 2007 highest: 61.49 Sep 27, 2007; lowest: 61.84 Aug 30, 2007