



Water-Data Report 2007

420508091395811 Local number 84-07-16 DBBB

Silurian-Devonian aquifers
Silurian System
Linn County, IA

LOCATION.--Lat 42°05'15.5", long 91°40'03.9" referenced to North American Datum of 1927, in NW ¼ NW ¼ SE ¼ sec.16, T.84 N., R.7 W., Linn County, IA, Hydrologic Unit 07080205, approximately 0.5 mi south of County Highway E34, north of the Town of Robins.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 520 ft. Upper casing diameter 5 in, top of first opening 173 ft, bottom of last opening 520 ft. Drilled observation artesian water well, open hole 173-520 ft. Open to Devonian rock 173-197, Silurian 196.5-510 ft.

DATUM.--Land-surface datum is 873 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 1.20 ft above land-surface datum, June 9, 1987 to present. Land-surface datum from topographic map.

PERIOD OF RECORD.--April 1975 to September 2004; June 2006 to September 2006; August 2007.

GAGE.--Measurement with chalked tape by USGS personnel. Graphic water-level recorder November 1975 to September 1979. Intermittent measurement with chalked tape by USGS personnel April 1975 to November 1975.

REMARKS.--Records for April 1975 to September 1988 are unpublished and available in the files of the Iowa Water Science Center.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.33 ft below land-surface datum, August 24, 1993; lowest measured, 57.50 ft below land-surface datum, December 1, 1989.

**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
Aug 21	49.19	S	--