



Water-Data Report 2007

**413838095462001 Local number 79-42-19 AADB**

Other aquifers  
Mississippian System  
Harrison County, IA

LOCATION.--Lat 41°38'38", long 95°46'20" referenced to North American Datum of 1927, in SE ¼ NE ¼ sec.19, T.79 N., R.42 W., Harrison County, IA, Hydrologic Unit 10230007, approximately 0.5 mi east of the Town of Logan, north of U.S. Highway 30.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Depth 628 ft. Upper casing diameter 2 in, top of first opening 588 ft, bottom of last opening 628 ft. Drilled observation artesian water well, screened 588-628 ft.

DATUM.--Land-surface datum is 1,045 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 4.40 ft above land-surface datum, November 3, 1981 to present. Land-surface datum from topographic map.

PERIOD OF RECORD.--November 1981 to September 2004; June 2006 to September 2006; August 2007 to September 2007.

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

REMARKS.--Well WC-22.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.33 ft above land-surface datum, June 19, 1987; lowest measured, 16.37 ft below land-surface datum, June 3, 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	8.67	S	--	Sep 27	6.80	S	--

Water year 2007 highest: 6.80 Sep 27, 2007; lowest: 8.67 Aug 22, 2007