



Water-Data Report 2007

**413524095490601 Local number 78-43-05 BCDD**

Sand and gravel aquifers (glaciated regions)  
 Boyer River Alluvial Aquifer  
 Harrison County, IA

LOCATION.--Lat 41°35'24", long 95°49'06" referenced to North American Datum of 1927, in SE ¼ SW ¼ NW ¼ sec.5, T.78 N., R.43 W., Harrison County, IA, Hydrologic Unit 10230007, approximately 2 mi north and 3.5 mi east of the Town of Missouri Valley, and 1 mi east of U.S. Highway 30.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Depth 51 ft. Upper casing diameter 2 in, top of first opening 48 ft, bottom of last opening 51 ft. Drilled observation water-table well, screened 48-51 ft, gravel-packed.

DATUM.--Land-surface datum is 1,010 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 3.40 ft above land-surface datum, December 31, 1993 to present. Land-surface datum from topographic map.

PERIOD OF RECORD.--May 1982 to September 2004; June 2006 to September 2006; August 2007 to September 2007.

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

REMARKS.--Well WC-32.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.68 ft below land-surface datum, July 7, 1998; lowest measured, 7.00 ft below land-surface datum, September 9, 1988, October 18, 1990, December 5, 1990.

**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	4.39	S	--	Sep 27	3.73	S	--

Water year 2007 highest: 3.73 Sep 27, 2007; lowest: 4.39 Aug 22, 2007