



Water-Data Report 2007

**412120091080402 Local number 76-02-30 CBAA2**

Silurian-Devonian aquifers  
Devonian System  
Muscatine County, IA

LOCATION.--Lat 41°21'20", long 91°08'04" referenced to North American Datum of 1927, in NE ¼ NW ¼ SW ¼ sec.30, T.76 N., R.2 W., Muscatine County, IA, Hydrologic Unit 07080101, west of the Town of Fruitland on an Iowa State University Agricultural Experiment Farm.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Depth 189 ft. Upper casing diameter 2 in, top of first opening 169 ft, bottom of last opening 189 ft. Drilled observation water-table well, screened 169-189 ft.

DATUM.--Land-surface datum is 546.32 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 3.01 ft above land-surface datum, September 1, 1992 to present. Land-surface datum from levels.

PERIOD OF RECORD.--October 1992 to September 2004; August 2005; June 2006 to September 2006; August 2007.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.12 ft below land-surface datum, August 24, 1993; lowest measured, 19.44 ft below land-surface datum, August 17, 2005.

**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 23	17.59	S	--