



Water-Data Report 2007

**404103092404001 Local number 68-16-15 DDAD**

Cambrian-Ordovician aquifer system  
Ordovician-Cambrian Systems  
Appanoose County, IA

LOCATION.--Lat 40°41'03", long 92°40'35" referenced to North American Datum of 1927, in NE ¼ SE ¼ SE ¼ sec.15, T.68 N., R.16 W., Appanoose County, IA, Hydrologic Unit 10280201, located approximately 4 mi south of State Highway 2 on State Highway 202 beneath the water tower in the Town of Moulton.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Depth 2,377 ft. Upper casing diameter 8 in, top of first opening 1,713 ft, bottom of last opening 2,377 ft. Drilled observation water-table well, screened 1,713-1,736 ft, open hole 1,778-2,377 ft.

DATUM.--Land-surface datum is 992 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of well cover, 1.07 ft above land-surface datum, January 28, 1997 to present. Land-surface datum from topographic map.

PERIOD OF RECORD.--October 1961 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, 355.00 ft below land surface datum, March 10, 1961; lowest measured, 398.42 ft below land-surface datum August 24, 2007.

**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 24	398.42	S	--