



Water-Data Report 2007

412020092471002 Local number 76-17-35 CADB

Cambrian-Ordovician aquifer system
Trempealeau Group
Mahaska County, IA

LOCATION.--Lat 41°20'26", long 92°47'09" referenced to North American Datum of 1927, in SE ¼ NE ¼ SW ¼ sec.35, T.76 N., R.17 W., Mahaska County, IA, Hydrologic Unit 07100009, 150 ft east of the old treatment plant near a retirement village on the north end of the Town of Leighton.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 2,200 ft. Upper casing diameter 8 in, top of first opening 1,778 ft, bottom of last opening 2,200 ft. Drilled unused artesian well, open hole 1,778-2,200 ft.

DATUM.--Land-surface datum is 822 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 5.43 ft above land-surface datum, July 20, 1989 to present. Land-surface datum from topographic map.

PERIOD OF RECORD.--September 1968; May 1989 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, 144.52 ft below land-surface datum, February 10, 2004; lowest measured, 282.96 ft below land-surface datum, August 20, 1996.

**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	151.66	S	--