



Water-Data Report 2007

**411328093143503 Local number 74-21-11 CAAD3**

Sand and gravel aquifers (glaciated regions)  
Pleistocene Series  
Marion County, IA

LOCATION.--Lat 41°13'30.2", long 93°14'34.5" referenced to North American Datum of 1927, in NE ¼ NE ¼ SW ¼ sec.11, T.74 N., R.21 W., Marion County, IA, Hydrologic Unit 07100008, northeast corner of the junction of West 1st Street and North A Street in Melcher.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Depth 96.5 ft. Upper casing diameter 1.25 in, top of first opening 78 ft, bottom of last opening 96.5 ft. Drilled unused artesian water well, screened 78-80 ft, open hole 80-96.5 ft.

DATUM.--Land-surface datum is 944 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of nipple welded to casing, 0.51 ft above land-surface datum, July 23, 1987 to present. Land-surface datum from topographic map.

PERIOD OF RECORD.--August 1953 to September 2004; June 2006 to September 2006; August 2007.

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

REMARKS.--Well 11L1.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.29 ft below land-surface datum, May 7, 1996; lowest measured (possible nearby well pumping), 55.16 ft below land-surface datum, March 4, 1954.

**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	12.36	S	--