



Water-Data Report 2006

412120091080401 Local number 76-02-30 CBAA1

Sand and gravel aquifers (glaciated regions)

Alluvium

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 27 ft. Upper casing diameter 6 in; top of first opening 24 ft, bottom of last opening 27 ft. Drilled observation water-table well, screened 24-27 ft.

DATUM.--Land-surface datum is 546.3 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 3.40 ft above land-surface datum, October 23, 1992 to present. Land-surface datum from levels.

PERIOD OF RECORD.--April 1966 to September 2004; August 2005; June 2006 to September 30, 2006 (discontinued).

GAGE.--Measurement with chalked tape by USGS personnel. Graphic water-level recorder May 1966 to October 1987.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.15 ft below land-surface datum, September 7, 1993; lowest measured, 19.46 ft below land-surface datum, August 17, 2005.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM

WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

[Measurement method: S, steel tape. Water-level status: --, static.]

Date	Water level	Measurement method	Water level status
Jun 29	19.04	S	--