



Water-Data Report 2007

405010091424901 Local number 70-07-30 BCDD

Other aquifers
Mississippian System
Henry County, IA

LOCATION.--Lat 40°50'10", long 91°42'49" referenced to North American Datum of 1927, in SE ¼ SW ¼ NW ¼ sec.30, T.70 N., R.7 W., Henry County, IA, Hydrologic Unit 07080107, in the Hillsboro City Park adjacent to the water tower.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Depth 365 ft. Upper casing diameter 6 in, top of first opening 74.8 ft, bottom of last opening 365 ft. Drilled unused test hole, cased to 74.8 ft, open hole 74.8-365 ft.

DATUM.--Land-surface datum is 733 ft above National Geodetic Vertical Datum of 1929. Measuring point: hole in top of casing, 1.15 ft above land-surface datum, June 1, 1967 to present. Land-surface datum from topographic map.

PERIOD OF RECORD.--August 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, 70.12 ft below land-surface datum, February 23, 1996, May 6, 1994; lowest measured, 78.03 ft below land-surface datum, February 22, 2000.

**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 | 72.98 | S | -- |