Water-Data Report 2013

412841081023200 Local number GE-136

Mississippian aquifers
Cuyahoga Formation

Geauga County, OH

LOCATION.--Lat 41°28'43.6", long 81°02'28.9" referenced to North American Datum of 1983, Geauga County, OH, Hydrologic Unit 04110004, Middlefield Township.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 58 ft. Upper casing diameter 5.62 in; top of first opening 56 ft, bottom of last opening 58 ft. Domestic water-supply well; water level not static in spring and summer months (pump removes approximately 1 gallon per minute of water from well during the growing season).

DATUM.--Land-surface datum is 1,135.88 ft above North American Vertical Datum of 1988. Measuring point: Top of casing. MP altitude surveyed 10/2007., 1.20 ft above land-surface datum, Aug. 8, 1985, to present. Land-surface datum is accurate within 0.1 ft.

PERIOD OF RECORD.--Periodic water-level measurements from August 8, 1985 to current year.

COOPERATION.--Ground-water-level data is collected as part of a USGS cooperative study with the Geauga County Planning Commission and the Board of County Commissioners.

REMARKS.--The long-term ground-water monitoring network in Geauga County consists of 31 wells. The purpose of the water-level study is to determine whether fluctuations in water levels represent consistent, long-term trends caused by human activity or are predominantly the result of seasonal and annual variations in recharge.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.31 ft below land-surface datum, May 8, 1986; lowest measured, 26.60 ft below land-surface datum, May 22, 2009 (well was being pumped); lowest static water level measured, 23.21 ft below land-surface datum, November 2, 2010.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

[Measurement method: V, calibrated electric tape--accuracy of instrument has been checked. Water-level status: --, static; R, site had been pumped recently.]

Date	Water level	Measure-ment method	Water-level status	Date	Water level	Measure-ment method	Water-level status
Dec 6	22.05	V	--	May 1	20.81	V	R
Feb 11	21.00	V	R	Aug 1	22.80	V	R

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 412841081023200, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/412841081023200.2013.pdf