



Water-Data Report 2013

412748081144300 Local number GE-367

Pennsylvanian aquifers
Pottsville Formation

Geauga County, OH

LOCATION.--Lat 41°27'48", long 81°14'43" referenced to North American Datum of 1983, Geauga County, OH, Hydrologic Unit 04110003, Newbury Township.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 90 ft. Upper casing diameter 5.63 in; top of first opening 31 ft, bottom of last opening 90 ft. Commercial water-supply well.

DATUM.--Land-surface datum is 1,241.47 ft above North American Vertical Datum of 1988. Measuring point: Top of steel casing. MP altitude surveyed 10/2007., 1.35 ft above land-surface datum, Sep. 5, 2007, to present. Land-surface datum is accurate within 0.1 ft.

PERIOD OF RECORD.--Periodic water-level measurements September 5, 2007 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, 40.53 ft below land-surface datum, February 11, 2013 (well had been recently pumped); lowest measured, 43.73 ft below land-surface datum, May 19, 2011.

**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 5	41.79	V	--	May 2	42.12	V	--
Feb 11	40.53	V	R	Aug 1	41.91	V	R