Water-Data Report 2012

404921074335601 Local number 270023 Mt Freedom 2 Obs

Piedmont and Blue Ridge crystalline-rock aquifers
Precambrian Erathem

Morris County, NJ

LOCATION.--Lat 40°49′21″, long 74°33′56″ referenced to North American Datum of 1927, Randolph Township, Morris County, NJ, Hydrologic Unit 02030103, 440 ft north of the intersection of Phyllis Place and Leonard Lane.

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 218 ft. Upper casing diameter 6 in; top of first opening 11 ft, bottom of last opening 218 ft. Drilled observation well.

DATUM.--Land-surface datum is 800 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of base of locking cap, 4.61 ft above land-surface datum, Apr 1, 1994, to present. The land surface elevation was determined from a digital elevation model.

PERIOD OF RECORD.--January 1964 to current year.

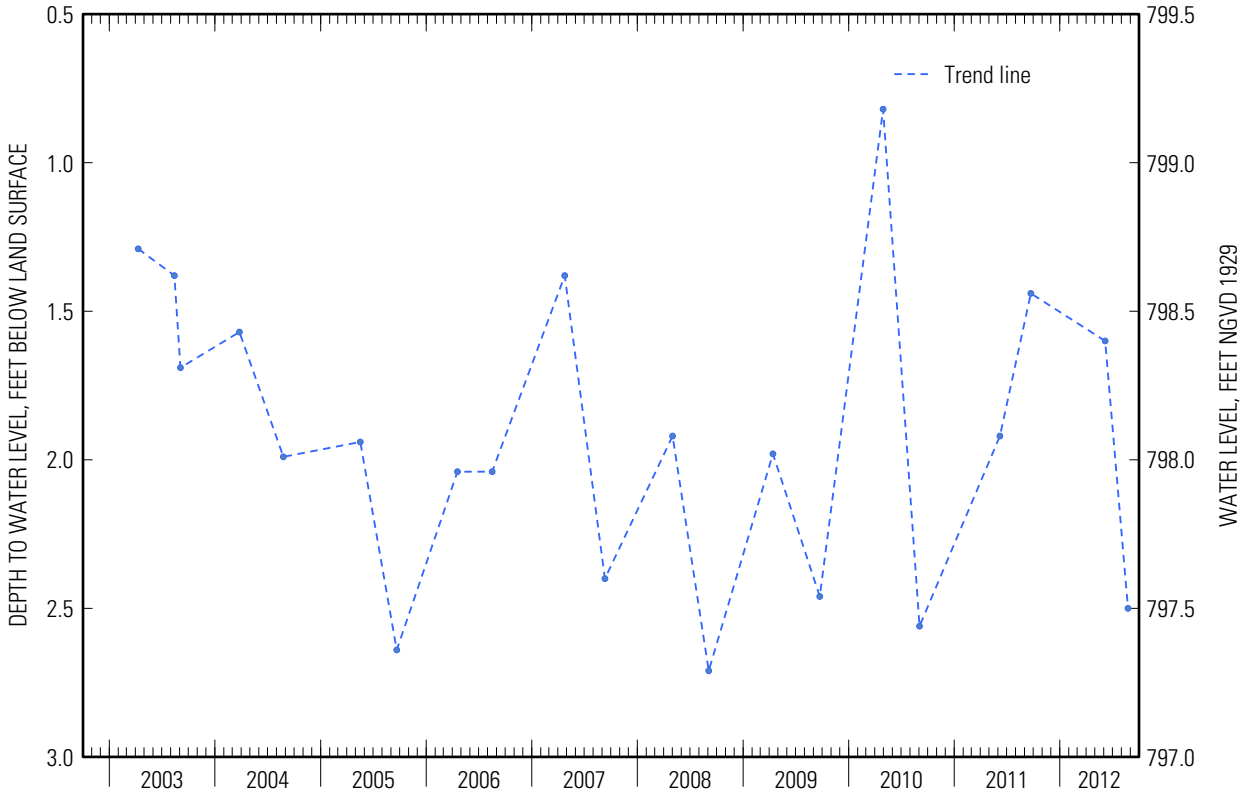
GAGE.--None: periodic measurements with chalked steel tape. Water-level extremes recorder, April 1977 to July 1984. Periodic measurements, July 1970 to April 1977. Water-level recorder, January 1964 to July 1970.

REMARKS.--Water level is occasionally affected by nearby pumping.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.02 ft above land surface datum, between Apr 3 and Jul 9, 1984; lowest, 15.29 ft below land surface datum, between Aug 26 and Oct 8, 1980.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Date	Water level	Date	Water level
Jun 5	1.60	Aug 23	2.50

Suggested citation: U.S. Geological Survey, 2013, Water-resources data for the United States, Water Year 2012: U.S. Geological Survey Water-Data Report WDR-US-2012, site 404921074335601, accessed at http://wdr.water.usgs.gov/wy2012/pdfs/404921074335601.2012.pdf

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