Water-Data Report 2006

353141080524703 Local number IR-147, DENR Langtree Research Station MW-1D (Bedrock well)

Piedmont and Blue Ridge crystalline-rock aquifers
Intermediate Metaigneous Rock

Iredell County, NC

LOCATION.--Lat 35°31′41″, long 80°52′47″ referenced to North American Datum of 1983, Iredell County, NC, Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .2 mi north of Langtree Road at Davidson College Lake Campus. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 602 ft, diameter 6.25 in., steel cased to 55 ft, initially open hole from 55 to 602 ft. Well modified in December 2001, 4 in. PVC liner installed to 76 ft, open hole from 76 to 602 ft.

DATUM.--Land-surface datum is 812.51 ft above NGVD of 1929 (levels by DENR). Measuring point: Top of 4 in. PVC liner, 2.16 ft above land-surface datum.

PERIOD OF RECORD.--January 2001 to current year.

GAGE.--Measured periodically with steel and electric tape. (by DENR and USGS)

REMARKS.--Well is part of Piedmont/Mountains ground-water study.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.48 ft below land-surface datum, June 19, 2001; lowest water level measured, 52.61 ft below land-surface datum, Feb. 21, 2002.

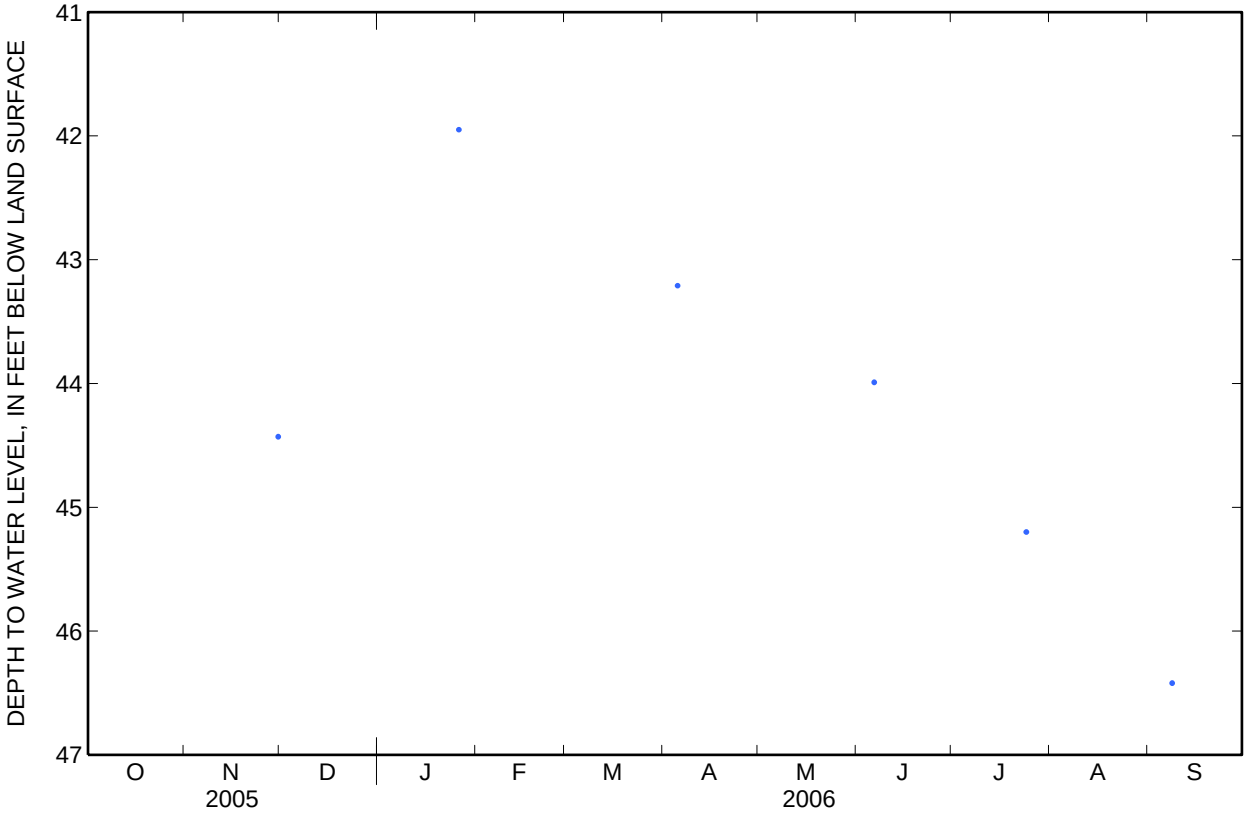
WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

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

Date	Water level	Measurement method	Water level status	Date	Water level	Measurement method	Water level status
Nov 30	44.43	S	--	Jun 6	43.99	S	--
Jan 26	41.95	S	--	Jul 24	45.20	S	--
Apr 5	43.21	T	--	Sep 8	46.42	T	--

Water year 2006 highest: 41.95 Jan 26, 2006; lowest: 46.42 Sep 08, 2006

Period of record highest: 38.48 Jun 19, 2001; lowest: 49.63 Aug 27, 2002

Record available from Jan 04, 2001, to Sep 08, 2006; 54 entries

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