



Water-Data Report 2006

353148080524703 Local number IR-156, DENR Langtree Research Station MW-5D (Bedrock well)

Piedmont and Blue Ridge crystalline-rock aquifers
 Intermediate Intrusive Igneous Rock
 Iredell County, NC

LOCATION.--Lat 35°31'48", long 80°52'47" referenced to North American Datum of 1983, Iredell County, NC, Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .3 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 400 ft, diameter 6.25 in., cased to 40 ft, open hole from 40 to 400 ft.

DATUM.--Land-surface datum is 784.73 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of steel protective casing, 1.37 ft above land-surface datum.

PERIOD OF RECORD.--May 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, 23.89 ft below land-surface datum, June 23, Aug. 7, 2003; lowest water level measured, 31.33 ft below land-surface datum, Nov. 14, 2001.

**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 | Measure-ment method | Water level status | Date | Water level | Measure-ment method | Water level status |
|--------|-------------|---------------------|--------------------|--------|-------------|---------------------|--------------------|
| Nov 30 | 26.89 | S | -- | Jun 6 | 27.67 | S | -- |
| Jan 26 | 25.80 | S | -- | Jul 24 | 27.81 | S | -- |
| Apr 5 | 27.68 | S | -- | Sep 8 | 28.05 | T | -- |

Water year 2006 highest: 25.80 Jan 26, 2006; lowest: 28.05 Sep 08, 2006

Period of record highest: 23.89 Jun 23, 2003 Aug 07, 2003; lowest: 31.33 Nov 14, 2001

Record available from May 15, 2001, to Sep 08, 2006; 46 entries

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