



Water-Data Report 2006

353151080524603 Local number IR-159, DENR Langtree Research Station MW-6D (Bedrock well)

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

LOCATION.--Lat 35°31'52", long 80°52'46" referenced to North American Datum of 1983, Iredell County, NC, Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .4 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., steel cased to 43 ft, initially open hole from 43 to 400 ft. Well modified in December 2001, 4 in. PVC liner installed to 69 ft, open hole from 69 to 400 ft.

DATUM.--Land-surface datum is 765.84 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of 4 in. PVC casing, 0.29 ft below 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, 5.60 ft below land-surface datum, Mar. 27, 2003; lowest water level measured, 12.44 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	8.08	S	--	Jun 6	8.83	S	--
Jan 26	7.04	S	--	Jul 24	8.99	S	--
Apr 5	8.86	S	--	Sep 8	9.26	T	--

Water year 2006 highest: 7.04 Jan 26, 2006; lowest: 9.26 Sep 08, 2006

Period of record highest: 5.60 Mar 27, 2003; lowest: 12.44 Nov 14, 2001

Record available from May 15, 2001, to Sep 08, 2006; 42 entries

353151080524603 Local number IR-159, DENR Langtree Research Station MW-6D (Bedrock well)—Continued

