



Water-Data Report 2006

**353146080524601 Local number IR-135, DENR Langtree Research Station GP-3**

Piedmont and Blue Ridge crystalline-rock aquifers  
 Quaternary Saprolite  
 Iredell County, NC

LOCATION.--Lat 35°31'47", long 80°52'47" referenced to North American Datum of 1983, Iredell County, NC, Hydrologic Unit 03050101, .3 mi north of Langtree Road, .9 mi west of Interstate 77 on Lake Campus Road. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

**GROUND-WATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, depth 31 ft, diameter 0.5 in., cased to 22 ft, open hole from 22 to 31 ft.

DATUM.--Land-surface datum is 791.04 ft above NGVD of 1929. Measuring point: Top of PVC casing, 2.76 ft above land-surface datum.

PERIOD OF RECORD.--October 2000 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, 19.91 ft below land-surface datum, June 23, 2003; lowest water level measured, 29.28 ft below land-surface datum, Nov. 22, 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	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Nov 30	25.94	S	--	Jun 6	24.99	S	--
Jan 26	25.05	S	--	Jul 24	25.61	S	--
Apr 5	24.83	S	--	Sep 8	26.21	T	--

Water year 2006 highest: 24.83 Apr 05, 2006; lowest: 26.21 Sep 08, 2006

Period of record highest: 19.91 Jun 23, 2003; lowest: 29.28 Nov 22, 2002

Record available from Oct 03, 2000, to Sep 08, 2006; 65 entries

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