



Water-Data Report 2006

353141080524701 Local number IR-145, DENR Langtree Research Station MW-1S (Regolith well)

Piedmont and Blue Ridge crystalline-rock aquifers
 Quaternary Saprolite
 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 38 ft, diameter 4 in., cased to 28 ft, screened interval from 28 to 38 ft, sand filter packed from 26 to 38 ft.

DATUM.--Land-surface datum is 812.57 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of 4 in. PVC casing, 2.50 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.--Well dry during periodic water-level measurements January 2001 to June 2003 and January 2006 to June 2006. Highest water level measured, 33.06 ft below land-surface datum, Nov. 7, 2003; lowest water level measured, 36.48 ft below land-surface datum, September 8, 2006.

**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; D, site was dry (no water level was recorded).]

Date	Water level	Measurement method	Water level status	Date	Water level	Measurement method	Water level status
Nov 30	36.09	S	--	Jun 6	34.90	S	--
Jan 26		S	D	Jul 24	36.16	S	--
Apr 5		S	D	Sep 8	36.48	T	--

Water year 2006 highest: 34.90 Jun 06, 2006; lowest: 36.48 Sep 08, 2006

Period of record highest: 33.06 Nov 07, 2003; lowest: 36.48 Sep 08, 2006

Record available from Jan 04, 2001, to Sep 08, 2006; 58 entries

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