

353141080524701 Local number IR-145, NCDENR Langtree Research Station MW-1S near Davidson, NC (Regolith)

Piedmont and Blue Ridge crystalline-rock aquifers
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: NCDENR (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 ft to 38 ft, sand filter packed from 26 ft to 38 ft.

DATUM.--Land-surface datum is 812.57 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 4 in. PVC casing, 2.50 ft above land-surface datum, April 11, 2001, to present.

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

GAGE.--Measured periodically with steel and electric tape. (by NCDENR, Division of Water Quality 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 through May 2003 and January through April 2006. Highest water level measured, 33.06 ft below land-surface datum, November 7, 2003; lowest water level measured, 37.65 ft below land-surface datum, September 14, 2007. Dry well from January 2008 to current year.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Nov 1, 2007	37.60	May 30, 2008	Dry
28	37.62	Jun 30	Dry
Dec 20	37.62	Jul 18	Dry
Jan 29, 2008	Dry	Aug 15	Dry
Mar 28	Dry	Sep 29	Dry
Apr 21	Dry		

Highest: 37.60 Nov 01, 2007

Lowest: 37.62 Nov 28, 2007 Dec 20, 2007

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