

353151080524603 Local number IR-159, NCDENR Langtree Research Station MW-6D near Davidson, NC (Bedrock)

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: NCDENR (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 ft to 400 ft. Well modified in December 2001, 4 in. PVC liner installed to 69 ft, open hole from 69 ft to 400 ft.

DATUM.--Land-surface datum is 765.84 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of 4-inch PVC, 0.29 ft below land-surface datum, December 1, 2001, to present.

PERIOD OF RECORD.--May 2001 to current year. Continuous record March 2002 to May 2002.

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.--Highest water level measured, 5.60 ft below land-surface datum, March 27, 2003; lowest water level measured, 13.43 ft below land-surface datum, August 16, 2007.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Nov 1, 2007	11.99	May 30, 2008	8.34
28	11.94	Jun 30	9.02
Dec 20	11.92	Jul 18	9.15
Jan 29, 2008	11.71	Aug 15	9.97
Mar 28	8.07	Sep 29	8.97
Apr 21	9.69		

Highest: 8.07 Mar 28, 2008

Lowest: 11.99 Nov 01, 2007

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