

Water-Data Report 2008

352810082383503 Local number BU-082, NCDENR Bent Creek Research Station MW-5D near Bent Creek, NC (Bedrock well)

Piedmont and Blue Ridge crystalline-rock aquifers
Mafic Gneiss

Buncombe County, NC

LOCATION.--Lat 35°28'10", long 82°38'35" referenced to North American Datum of 1983, Buncombe County, NC, Hydrologic Unit 06010105, in Bent Creek Research Forest, 1.2 mi north of Blue Ridge Parkway, near Bent Creek. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 300 ft, diameter 6 in., cased to 62 ft, open hole from 62 ft to 300 ft.

DATUM.--Land-surface datum is 2,304.84 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of steel casing, 2.58 ft above land-surface datum, February 4, 2003, to present.

PERIOD OF RECORD.--February 2003 to current year.

GAGE.--Measured periodically with steel tape.

REMARKS.--Well is part of Piedmont/Mountains ground-water study.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.81 ft below land-surface datum, July 3, 2003; lowest water level measured 12.71 ft below land-surface datum, August 14, 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Jan 23, 2008	11.45	May 16, 2008	11.11
Feb 19	10.5	Jul 2	11.57
Mar 17	10.32	Aug 14	12.71
Apr 25	10.81	Sep 29	12.38
25	10.81		

Highest: 10.32 Mar 17, 2008

Lowest: 12.71 Aug 14, 2008

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