



Water-Data Report 2008

352808082382603 Local number BU-079, NCDENR Bent Creek Research Station MW-4D near Bent Creek, NC (Bedrock)

Piedmont and Blue Ridge crystalline-rock aquifers
Mafic Gneiss

Buncombe County, NC

LOCATION.--Lat 35°28'08", long 82°38'26" 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, 3.4 mi southwest of 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 501 ft, diameter 6 in., cased to 61 ft, open hole from 61 ft to 501 ft.

DATUM.--Land-surface datum is 2,258.53 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of steel casing, 3.02 ft above land-surface datum, February 4, 2003, to present.

PERIOD OF RECORD.--February 2003 to current year. Continuous record August 2006 to September 2006.

GAGE.--Measured periodically with electric and steel tape.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.91 ft below land-surface datum, July 3, 2003; lowest water level recorded, 13.21 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	12.30	May 16, 2008	12.35
Feb 19	11.85	Jul 2	12.58
Mar 17	11.96	Aug 14	13.21
Apr 25	12.23	Sep 29	12.99
25	12.23		

Highest: 11.85 Feb 19, 2008

Lowest: 13.21 Aug 14, 2008

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