

352919082383802 Local number BU-103, BC-6D NCDENR Bent Creek Research Station MW-6D near Bent Creek, NC (Bedrock)

Piedmont and Blue Ridge crystalline-rock aquifers
Saprolite

Buncombe County, NC

LOCATION.--Lat 35°28'19", long 82°38'39" referenced to North American Datum of 1983, Buncombe County, NC, Hydrologic Unit 06010105, 1.2 mi north of Blue Ridge Parkway, 2.5 mi southwest of Bent Creek in Bent Creek Research Forest. Owner: NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 190 ft, diameter 6 in., cased to 53 ft, open hole from 53 ft to 190 ft.

DATUM.--Land-surface datum is 2,420 ft above North American Vertical Datum of 1988. Measuring point: Top of protective steel casing., 3.25 ft above land-surface datum, December 1, 2005, to present.

PERIOD OF RECORD.--December 2005 to current year.

GAGE.--Measured periodically with electric and steel tape (by USGS and NCDENR, Division of Water Quality).

REMARKS.--Well is part of Piedmont/Mountains groundwater project.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 30.96 ft below land-surface datum, May 12, 2006; lowest water level measured 33.57 ft below land-surface datum, September 29, 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Jan 23, 2008	33.19	May 16, 2008	32.08
Feb 19	32.75	Jul 2	32.50
Mar 17	32.11	Aug 14	33.45
Apr 25	31.93	Sep 29	33.57
25	31.93		

Highest: 31.93 Apr 25, 2008 Apr 25, 2008

Lowest: 33.57 Sep 29, 2008

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