



Water-Data Report 2009

**361646081430402 Local number WT-099, NCDENR TATER HILL RESEARCH STATION ASU-2D NEAR BOONE, NC (BEDROCK)**

Piedmont and Blue Ridge crystalline-rock aquifers  
Mafic Gneiss

Watauga County, NC

LOCATION.--Lat 36°16'45.9", long 81°43'03.7" referenced to North American Datum of 1983, Watauga County, NC, Hydrologic Unit 05050001, 1.75 mi east of U.S. Highway 421 and 4.7 mi north of Boone. Owner: Appalachian State University and NCDENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

**GROUNDWATER RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, depth 350 ft, diameter 6 in., cased to 27 ft, open hole from 27 ft to 350 ft.

DATUM.--Land-surface datum is 4060 ft above sea level. Measuring point: top of protective steel casing, 2.99 ft above land-surface datum.

PERIOD OF RECORD.--June 2007 to September 2009 (discontinued).

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

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.99 ft below land-surface datum, February 8, 2008; lowest water level measured, 65.70 ft below land-surface datum, September 25, 2008.

**WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM**

<b>Date</b>	<b>Water level</b>	<b>Date</b>	<b>Water level</b>
Nov 6, 2008	64.44	Jun 16, 2009	60.84
Dec 22	59.09	Aug 13	64.87
Apr 22, 2009	58.22		

Highest: 58.22 Apr 22, 2009

Lowest: 64.87 Aug 13, 2009

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