



Water-Data Report 2009

361646081430401 Local number WT-100 NCDENR TATER HILL RESEARCH STATION ASU-1I NEAR BOONE, NC (TRANSITION ZONE)

Undefined Aquifer
Mafic Gneiss

Watauga County, NC

LOCATION.--Lat 36°16'46.3", long 81°43'03.5" referenced to North American Datum of 1983, Watauga County, NC, Hydrologic Unit 05050001, 2.1 mi east of U.S. Highway 421, 0.1 mi north of Howards Creek Road. 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 40 ft, diameter 4 in., cased to 20 ft, screened interval from 20 ft to 40 ft.

DATUM.--Land-surface datum is 4060 ft above sea level. Measuring point: Black mark on 4-inch PVC casing, 3.16 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 groundwater project.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.65 ft below land-surface datum, July 18, 2007; lowest water level measured, 31.22 ft below land-surface datum, September 25, 2008.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Nov 6, 2008	28.68	Jun 16, 2009	28.37
Dec 22	28.50	Aug 13	
Apr 22, 2009	28.43		

Highest: 28.37 Jun 16, 2009

Lowest: 28.68 Nov 06, 2008

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