352856082381201 Local number BU-074, DENR Bent Creek Research Station MW-3S (Regolith well)

Piedmont and Blue Ridge crystalline-rock aquifers
Quaternary Saprolite

Buncombe County, NC

LOCATION.--Lat 35°28′57″, long 82°38′12″ referenced to North American Datum of 1983, Buncombe County, NC, Hydrologic Unit 06010105, 1.2 mi north of Blue Ridge Parkway, 3.1 mi west of Brevard Road in Bent Creek Research Forest. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 30 ft, diameter 4 in., cased to 15 ft, screened interval from 15 to 30 ft, sand filter packed from 13 to 25 ft, natural fill from 25 to 30 ft.

DATUM.--Land-surface datum is 2,210.12 ft above NGVD of 1929. Measuring point: Top of protective steel casing, 2.82 ft above land-surface datum.

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

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, 7.02 ft below land-surface datum, July 3, 2003; lowest water level measured, 9.22 ft below land-surface datum, Aug. 14, 2006.

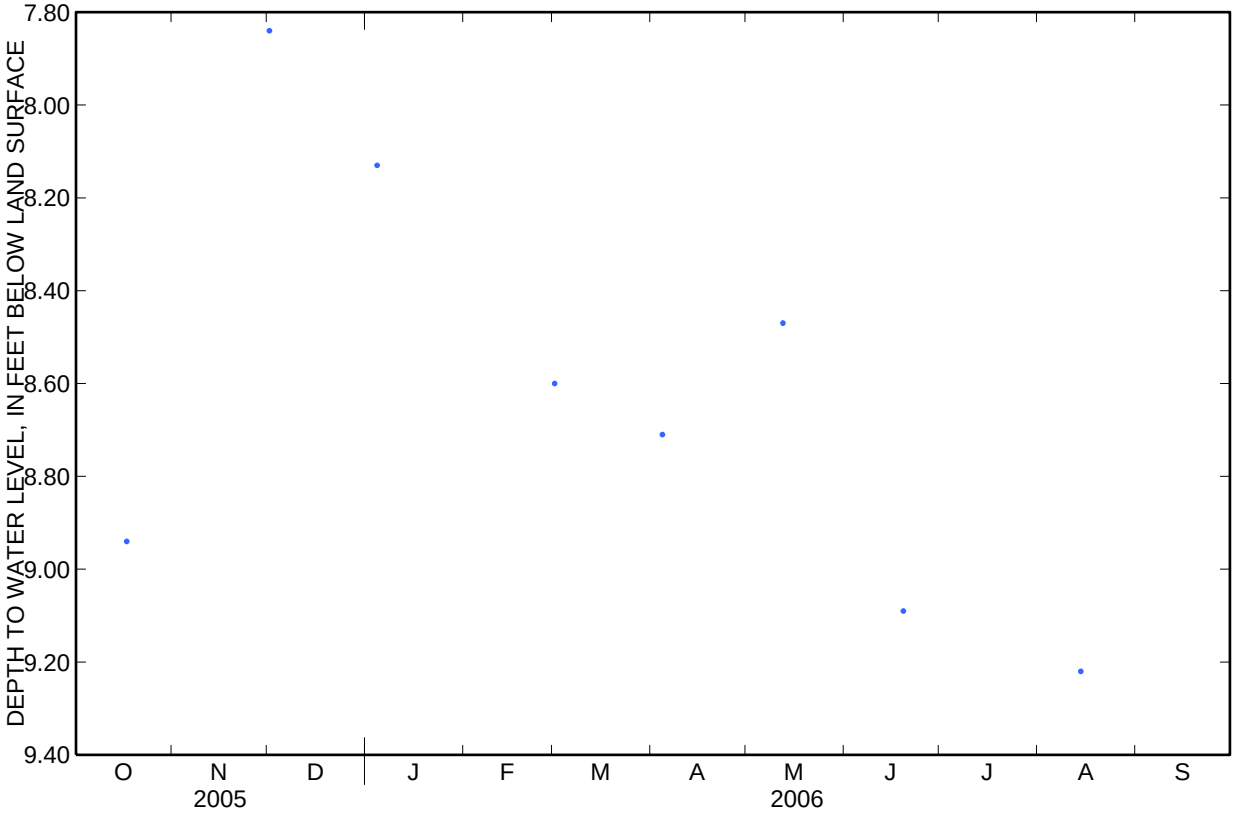
WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

[Measurement method: S, steel tape; T, electric tape. Water-level status: --, static.]

Date	Water level	Measurement method	Water level status	Date	Water level	Measurement method	Water level status
Oct 17	8.94	S	--	Apr 4	8.71	S	--
Dec 1	7.84	S	--	May 12	8.47	S	--
Jan 4	8.13	S	--	Jun 19	9.09	T	--
Mar 1	8.60	T	--	Aug 14	9.22	S	--

Water year 2006 highest: 7.84 Dec 01, 2005; lowest: 9.22 Aug 14, 2006

Period of record highest: 7.02 Jul 03, 2003; lowest: 9.22 Aug 14, 2006

Record available from Feb 04, 2003, to Aug 14, 2006; 33 entries

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