353145080524704 Local number IR-152A, DENR Langtree Research Station MW-4IA (Transition zone well)

Piedmont and Blue Ridge crystalline-rock aquifers
Quaternary Saprolite

Iredell County, NC

LOCATION.--Lat 35°31′45″, long 80°52′47″ referenced to North American Datum of 1983, Iredell County, NC, Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .3 mi north of Langtree Road at Davidson College Lake Campus. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 55 ft, diameter 2 in., cased to 40 ft, screened interval from 40 to 55 ft, sand filter packed with native fill 35 to 55 ft.

DATUM.--Land-surface datum is 802.39 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of 2 in. PVC casing, 0.69 ft above land-surface datum.

PERIOD OF RECORD.--March 2002 to current year.

GAGE.--Measured periodically with steel and electric tape. (by DENR and USGS)

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.35 ft below land-surface datum, Aug. 7. 2003; lowest water level measured, 36.96 ft below land-surface datum, Dec. 17, 2002.

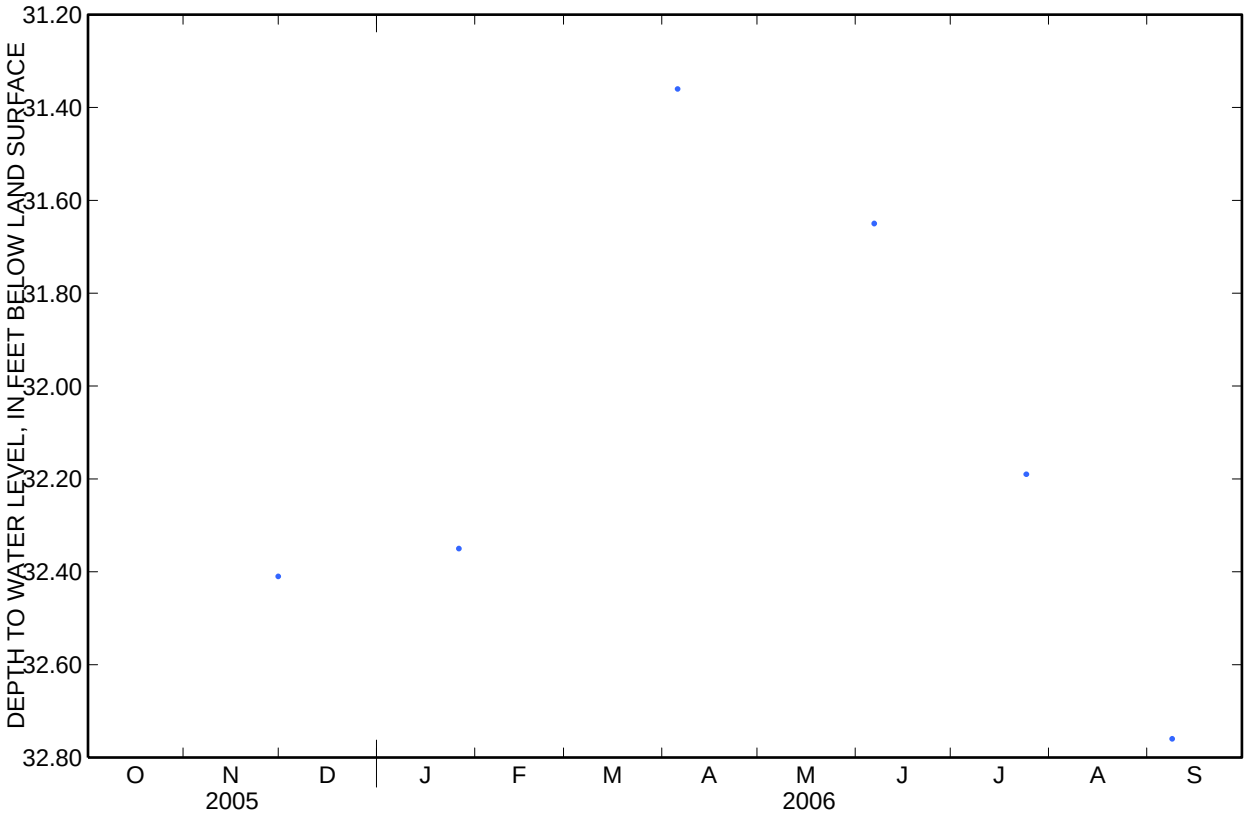
WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

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

Date	Water level	Measure-ment method	Water level status	Date	Water level	Measure-ment method	Water level status
Nov 30	32.41	S	--	Jun 6	31.65	S	--
Jan 26	32.35	S	--	Jul 24	32.19	S	--
Apr 5	31.36	T	--	Sep 8	32.76	T	--

Water year 2006 highest: 31.36 Apr 05, 2006; lowest: 32.76 Sep 08, 2006

Period of record highest: 27.35 Aug 07, 2003; lowest: 36.96 Dec 17, 2002

Record available from Mar 22, 2002, to Sep 08, 2006; 37 entries

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