353148080524702 Local number IR-155, DENR Langtree Research Station MW-5I (Transition zone well)

Piedmont and Blue Ridge crystalline-rock aquifers
Quaternary Saprolite

Iredell County, NC

LOCATION.--Lat 35°31′48″, 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 35 ft, diameter 4 in., cased to 20 ft, screened interval from 20 to 35 ft, sand filter packed from 18 to 35 ft.

DATUM.--Land-surface datum is 785.07 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of 4 in. PVC casing, 0.21 ft above land-surface datum.

PERIOD OF RECORD.--May 2001 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, 16.45 ft below land-surface datum, June 23, 2003; lowest water level measured, 25.05 ft below land-surface datum, Oct. 18, 2002.

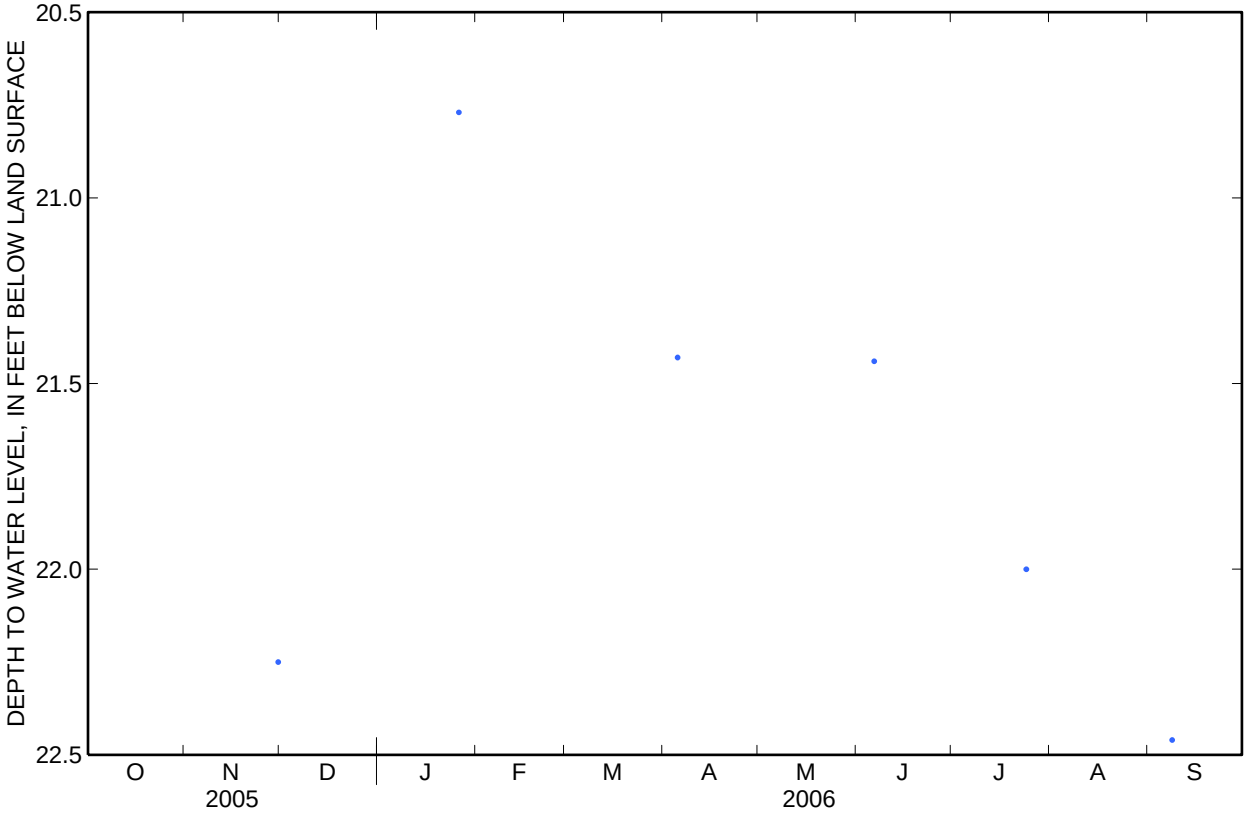
WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

[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	22.25	S	--	Jun 6	21.44	S	--
Jan 26	20.77	S	--	Jul 24	22.00	S	--
Apr 5	21.43	S	--	Sep 8	22.46	T	--

Water year 2006 highest: 20.77 Jan 26, 2006; lowest: 22.46 Sep 08, 2006

Period of record highest: 16.45 Jun 23, 2003; lowest: 25.05 Oct 18, 2002

Record available from May 15, 2001, to Sep 08, 2006; 47 entries

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