

GROUND-WATER LEVELS

IREDELL COUNTY--Continued

353141080524702. County number, IR-146; DENR Langtree Research Station MW-1I (Transition zone well).

LOCATION.--Lat 35°31'40.85", long 80°52'46.76", North American Datum of 1983, Hydrologic Unit 03050101, 2.5 mi northwest of Davidson, .2 mi north of Langtree Road at Davidson College Lake Campus. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

AQUIFER.--Transition zone (weathered and competent quartz diorite).

WELL CHARACTERISTICS.--Drilled observation well, depth 53 ft, diameter 4 in., cased to 38 ft, screened interval from 38 to 53 ft, sand filter packed from 34 to 53 ft.

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

DATUM.--Land surface datum is 812.18 ft above NGVD of 1929, (levels by DENR). Measuring point: Top of 4 in. PVC casing, 2.42 ft above land surface datum.

REMARKS.--Well is part of Piedmont/Mountains ground-water project. Well also sampled for water quality.

PERIOD OF RECORD.--January 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.47 ft below land-surface datum, June 19, 2001; lowest water level measured 41.50 ft below land surface datum, Sept. 17, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 04	39.96	JAN 17	40.72	APR 24	40.57	JUL 11	40.98	SEP 17	41.50
NOV 14	40.26	FEB 21	40.80	MAY 15	40.48	AUG 13	41.21		
DEC 12	40.48	MAR 22	40.79	JUN 12	40.64	27	41.29		

