

GROUND-WATER LEVELS  
 GREENE COUNTY—Continued

353114077333101. County number, GR-168; LWQ70S.

LOCATION.--Lat 35°31'13.9", long 77°33'31.3", Hydrologic Unit 03020203, near Lizzie, north of Secondary Road 1335 and west of Secondary Road 1345.  
 Owner: DENR (North Carolina Department of Environment and Natural Resources).

WATER-LEVEL RECORDS

AQUIFER.--Surficial.

WELL CHARACTERISTICS.--Drilled observation well, depth 7.8 ft, diameter 2 in., screened interval from 3.6 to 7.6 ft.

INSTRUMENTATION.--Measured periodically with steel and electric tape.

DATUM.--Land-surface datum is 79.00 ft above NGVD of 1929 (levels by North Carolina Geodetic Survey). Measuring point: Top of metal casing, 1.87 ft above land surface datum.

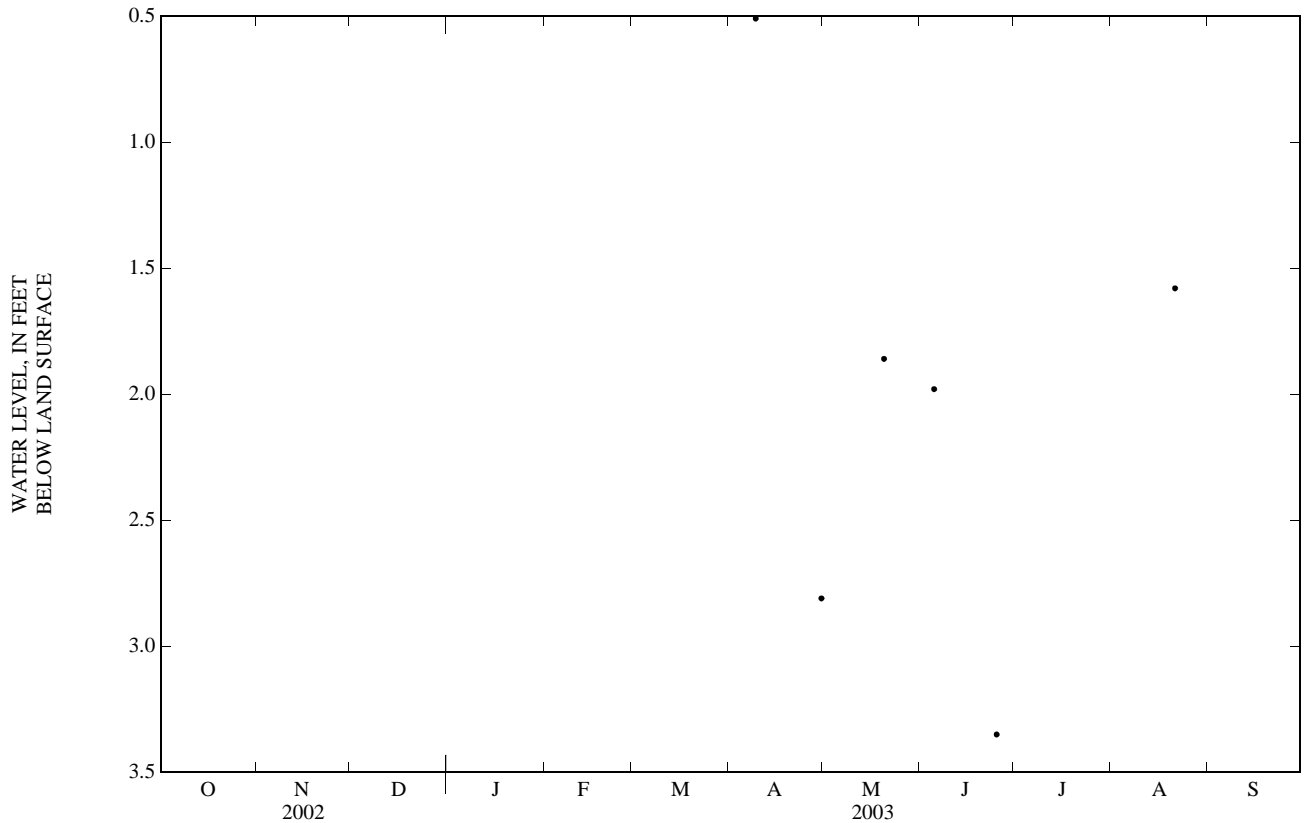
REMARKS.--Station operated in cooperation with DENR as part of the Lizzie research site water-quality monitoring project.

PERIOD OF RECORD.--April to September 2003.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.51 ft below land-surface datum, Apr. 9, 2003; lowest water level measured, 3.35 ft below land-surface datum, June 25, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, FOR PERIOD APRIL TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR 09	.51	APR 30	2.81	MAY 20	1.86	JUN 05	1.98	JUN 25	3.35	AUG 21	1.58



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WATER-QUALITY RECORDS

PERIOD OF RECORD.--April to September 2003.

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WATER-QUALITY DATA, FOR PERIOD APRIL TO SEPTEMBER 2003

Date	Time	Depth to water level, feet below LSD (72019)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfiltered uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
APR 09...	1820	0.51	766	11.0	102	4.5	1,320	8.5	12.5	380	105	27.8	26.1
APR 30...	0830	2.81	763	6.7	67	4.2	1,210	26.5	15.8	360	99.5	27.0	20.1
JUN 05...	0945	1.98	763	7.0	75	4.3	1,200	23.5	18.5	300	83.9	23.1	23.5
AUG 21...	1825	1.58	757	3.8	45	4.2	1,180	30.0	23.9	320	90.2	22.8	19.8

Date	Sodium, water, fltrd, mg/L (00930)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, fltrd, mg/L (00607)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Total nitrogen, water, fltrd, mg/L (00602)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, ug/L (01046)
APR 09...	55.3	125	64.7	0.45	0.06	89.1	0.008	0.39	<0.04	0.007	90	2.6	100
APR 30...	51.1	122	60.6	0.38	<0.04	90.5	<0.008	--	<0.02	--	91	2.5	52
JUN 05...	46.6	127	57.2	0.41	E.02	96.3	<0.008	--	--	E.003	97	2.6	40
AUG 21...	40.6	119	53.3	0.52	<0.04	80.5	<0.008	--	<0.18	0.004	81	--	41