

GROUND-WATER LEVELS  
 GREENE COUNTY—Continued

353103077333407. County number, GR-166; LWQ2M.

LOCATION.--Lat 35°31'03", long 77°33'33.77", Hydrologic Unit 03020203, near Lizzie, 30 ft north of Secondary Road 1335. Owner: DENR (North Carolina Department of Environment and Natural Resources).

WATER-LEVEL RECORDS

AQUIFER.--Surficial.

WELL CHARACTERISTICS.--Drilled observation well, depth 11.4 ft, diameter 2 in., screened interval from 7.2 to 11.2 ft.

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

DATUM.--Land-surface datum is 77.49 ft above NGVD of 1929 (levels by North Carolina Geodetic Survey). Measuring point: Top of metal casing, 2.26 ft above land surface datum.

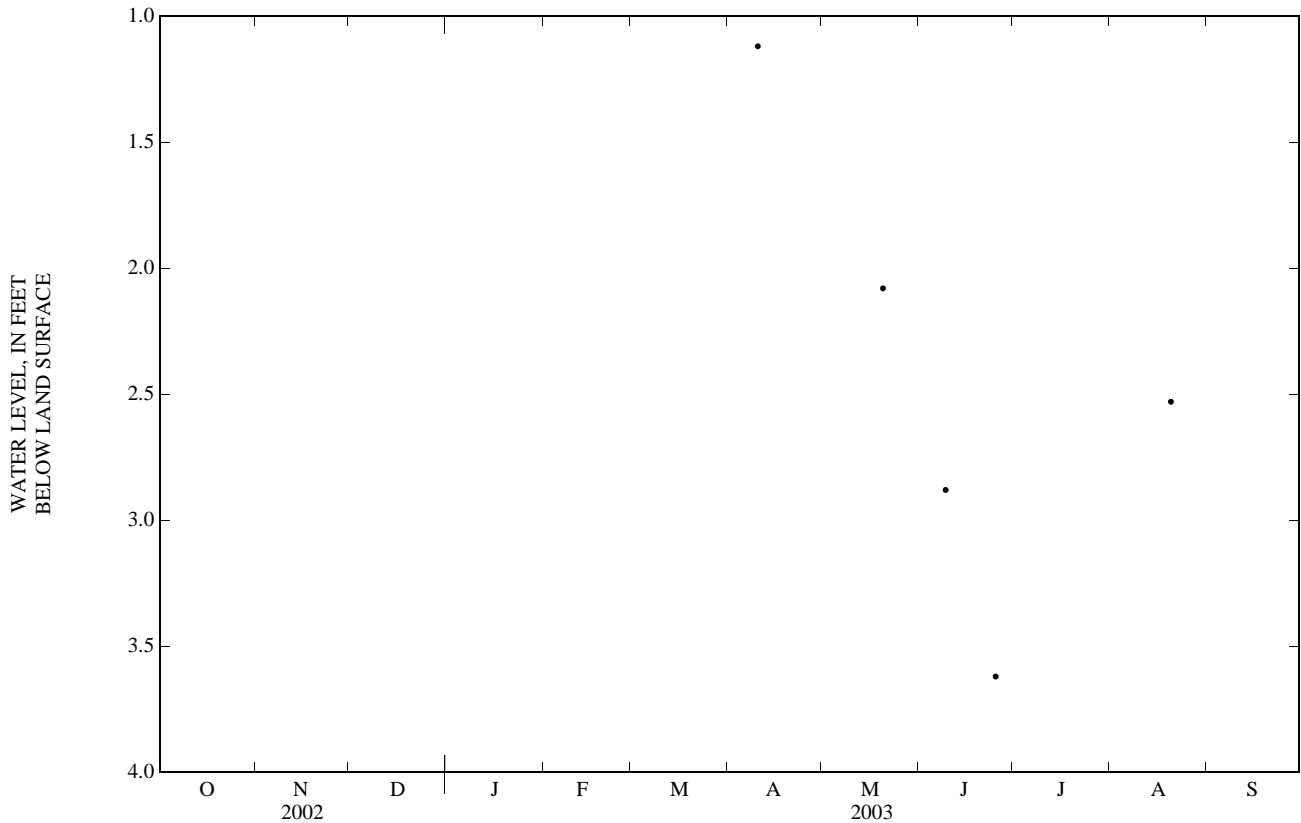
REMARKS.--Station operated in cooperation with DENR as part of the Lizzie research site water-quality monitoring project.

PERIOD OF RECORD.--April to September 2003.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.12 ft below land-surface datum, Apr. 10, 2003; lowest water level measured, 3.62 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
APR 10	1.12	MAY 20	2.08	JUN 09	2.88	JUN 25	3.62	AUG 20	2.53



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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 10...	1345	1.12	760	7.2	70	5.5	145	11.0	13.4	15	2.23	2.35	0.77
JUN 09...	1305	2.88	759	5.3	56	5.0	144	29.5	17.7	15	2.27	2.18	0.89
AUG 20...	1830	2.53	770	5.5	62	4.9	162	30.5	20.3	15	2.35	2.19	0.99

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt fxd end lab, mg/L as CaCO3 (29801)	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)
APR 10...	15.2	<2	22.2	3.7	0.16	0.06	5.56	<0.008	0.10	<0.04	<0.004	5.7	--
JUN 09...	16.5	<2	22.0	4.1	0.14	E.04	6.23	<0.008	--	<0.02	E.003	6.4	0.8
AUG 20...	18.3	<2	25.6	3.3	0.11	<0.04	6.25	E.005	--	<0.18	<0.004	6.4	--

Date	Iron, water, fltrd, ug/L (01046)
APR 10...	27
JUN 09...	14
AUG 20...	26