

GREENE COUNTY—Continued

353103077333404. County number, GR-087; L2S.

LOCATION.--Lat 35°31'04", long 77°33'32.66", Hydrologic Unit 03020203, near Lizzie, 20 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 5 ft, diameter 2 in., screened interval from 2 to 5 ft.

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

DATUM.--Land-surface datum is 77.42 ft above NGVD of 1929 (levels by North Carolina Geodetic Survey). Measuring point: Top of metal casing, 1.58 ft above land surface datum.

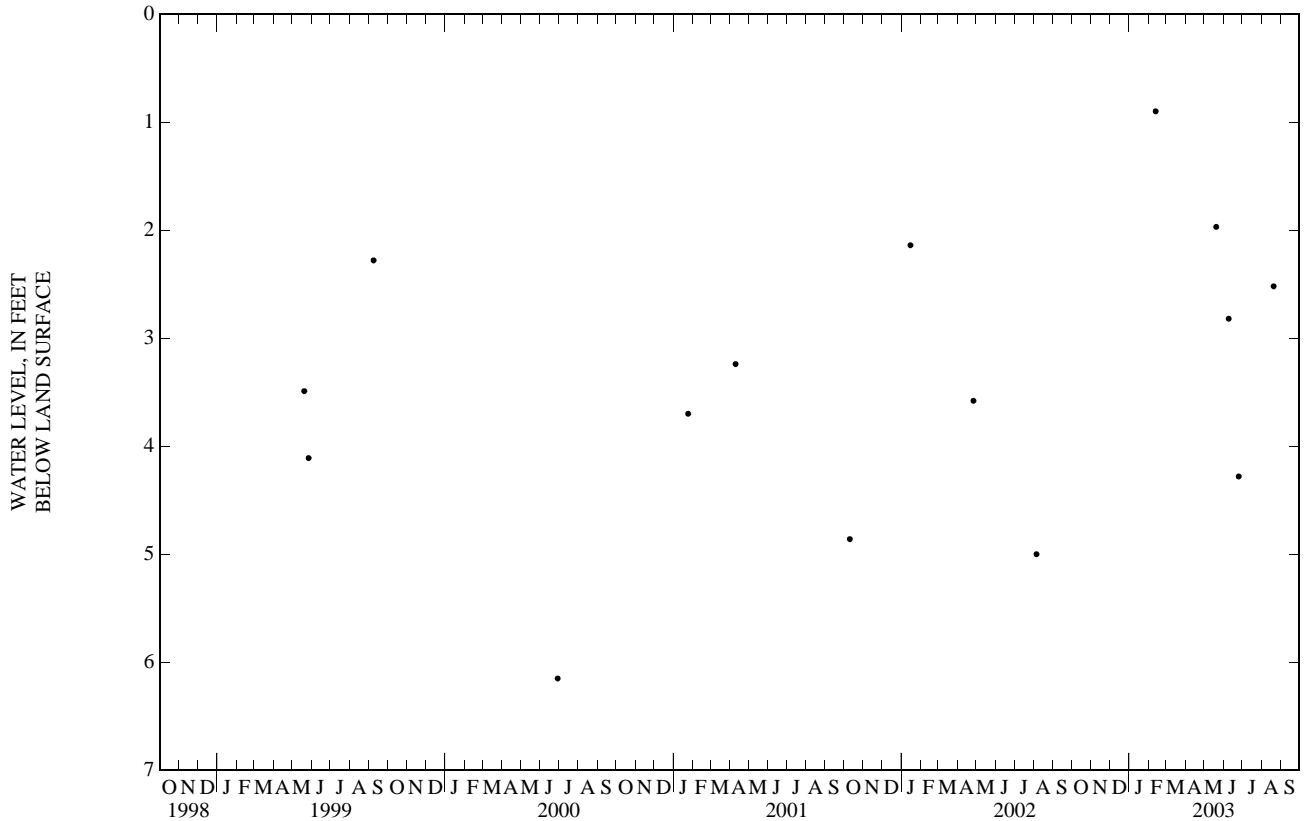
REMARKS.--Station operated in cooperation with DENR as part of the Lizzie research site water-quality monitoring project.

PERIOD OF RECORD.--May 1999 to September 2003.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.90 ft below land-surface datum, Feb. 12, 2003; lowest water level measured, 6.15 ft below land-surface datum, June 29, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 12	.90	MAY 20	1.97	JUN 09	2.82	JUN 25	4.28	AUG 20	2.52



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WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1999 to June 2000, February 2003 to current year.

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 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 unfltrd 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)
FEB 12...	1725	2.19	766	6.8	58	5.1	302	--	8.9	32	5.20	4.68	0.52
APR 09...	1145	0.90	767	9.5	89	5.4	218	8.0	12.8	22	4.04	2.97	1.04
JUN 09...	1450	2.82	758	1.7	19	6.0	275	29.5	20.4	24	4.56	3.15	0.92
AUG 20...	1850	2.52	770	3.9	45	5.8	229	30.5	22.4	29	4.81	4.13	0.80

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)	Residue water, fltrd, sum of constituents mg/L (70301)	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)	Orthophosphate, 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)
FEB 12...	34.3	<10	34.6	59.2	--	0.16	<0.04	E.04	<0.008	<0.09	E.002	--	2.5
APR 09...	27.2	8	14.4	49.4	105	0.33	<0.04	0.37	<0.008	<0.04	E.004	0.70	--
JUN 09...	35.2	<2	30.9	53.1	--	0.24	<0.04	E.05	<0.008	<0.02	0.006	--	3.3
AUG 20...	26.9	--	27.4	47.1	--	0.26	<0.04	0.34	E.005	<0.18	0.012	0.60	--

Date	Iron, water, fltrd, ug/L (01046)
FEB 12...	3,130
APR 09...	53
JUN 09...	11,200
AUG 20...	19,400