

GREENE COUNTY—Continued

353127077333704. County number, GR-109; L15D.

LOCATION.--Lat 35°31'27.28", long 77°33'35.59", 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 23 ft, diameter 2 in., screened interval from 21 to 23 ft.

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

DATUM.--Land-surface datum is 73.59 ft above NGVD of 1929 (levels by North Carolina Geodetic Survey). Measuring point: Top of metal casing, 1.38 ft above land surface datum.

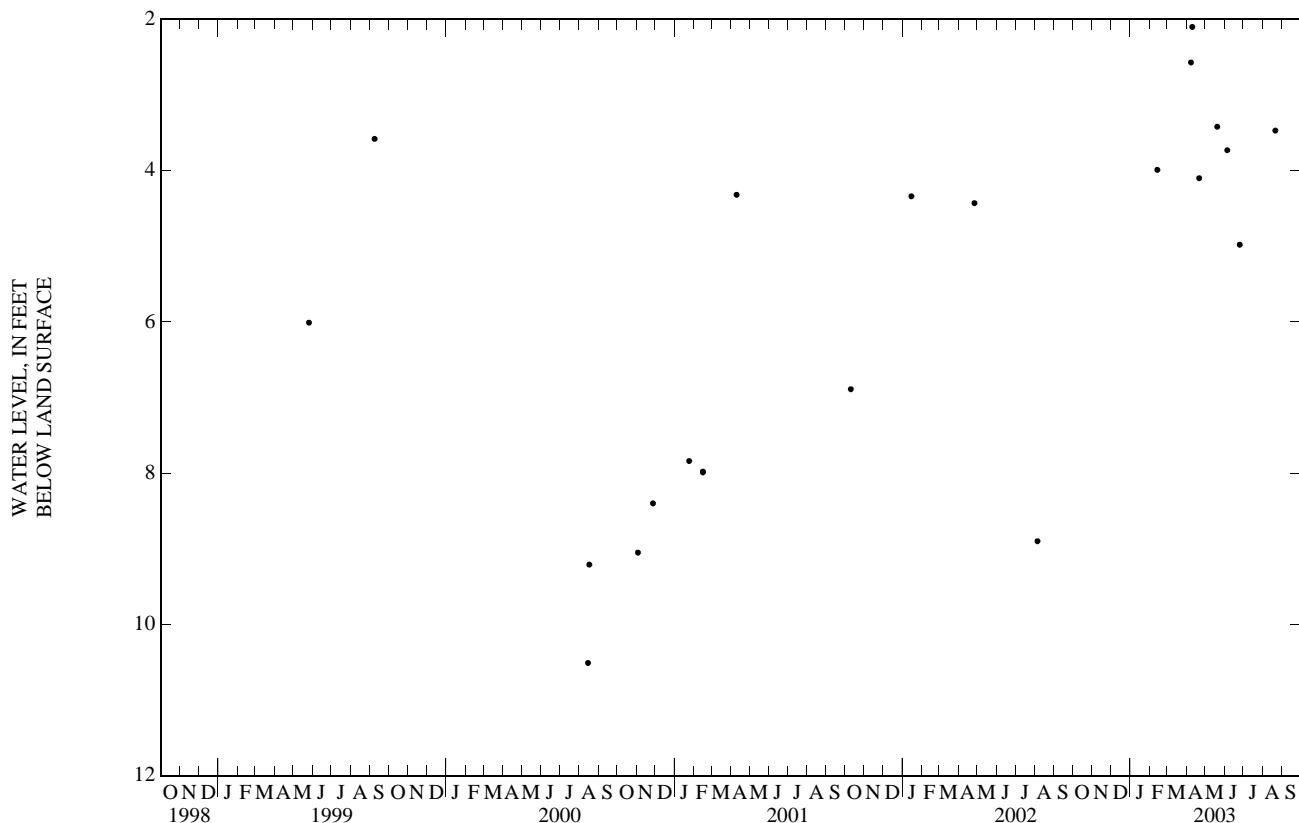
REMARKS.--Station operated in cooperation with DENR as part of the Lizzie research site water-quality monitoring project.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.10 ft below land-surface datum, Apr. 10, 2003; lowest water level measured, 10.51 ft below land-surface datum, Aug. 15, 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
FEB 13	3.99	APR 10	2.10	MAY 20	3.42	JUN 25	4.98
APR 08	2.57	21	4.10	JUN 05	3.73	AUG 21	3.47



WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1999 to current year.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources as part of the Lizzie Research site water-quality monitoring project.

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 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)
FEB 13...	1845	3.99	775	2.3	23	5.2	228	--	16.2	76	21.2	5.62	1.70
APR 10...	1235	2.10	759	1.1	11	6.0	244	11.0	15.3	81	22.0	6.21	1.81
APR 21...	1400	4.10	760	0.6	6	5.2	222	28.0	15.9	77	21.4	5.80	1.73
JUN 05...	1305	3.73	763	0.6	6	5.7	246	31.0	11.2	70	19.8	5.00	1.74
AUG 21...	1520	3.47	769	1.8	19	5.5	250	32.0	17.8	80	22.7	5.67	2.09

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)	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)
FEB 13...	4.86	3	25.3	43.0	119	E.08	<0.04	3.45	E.007	<0.02	0.006	--	0.4
APR 10...	5.25	2	28.5	43.3	127	0.10	<0.04	4.17	0.009	<0.04	0.010	4.3	--
APR 21...	5.07	--	24.7	47.7	136	E.06	<0.04	3.26	E.006	0.06	--	--	0.5
JUN 05...	4.64	4	23.4	48.7	112	<0.10	<0.04	1.49	E.005	--	0.009	--	E.3
AUG 21...	5.66	3	31.6	42.5	127	E.05	<0.04	3.30	E.006	<0.18	0.007	--	--

Date	Iron, water, fltrd, ug/L (01046)
FEB 13...	63
APR 10...	43
APR 21...	21
JUN 05...	28
AUG 21...	19