

GREENE COUNTY—Continued

353127077333703. County number, GR-108; L15S Lizzie.

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 5.4 ft, diameter 2 in., screened interval from 2 to 5 ft.

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

DATUM.--Land-surface datum is 73.65 ft above NGVD of 1929 (levels by North Carolina Geodetic Survey). Measuring point: Top of metal casing, 1.33 ft above land surface datum.

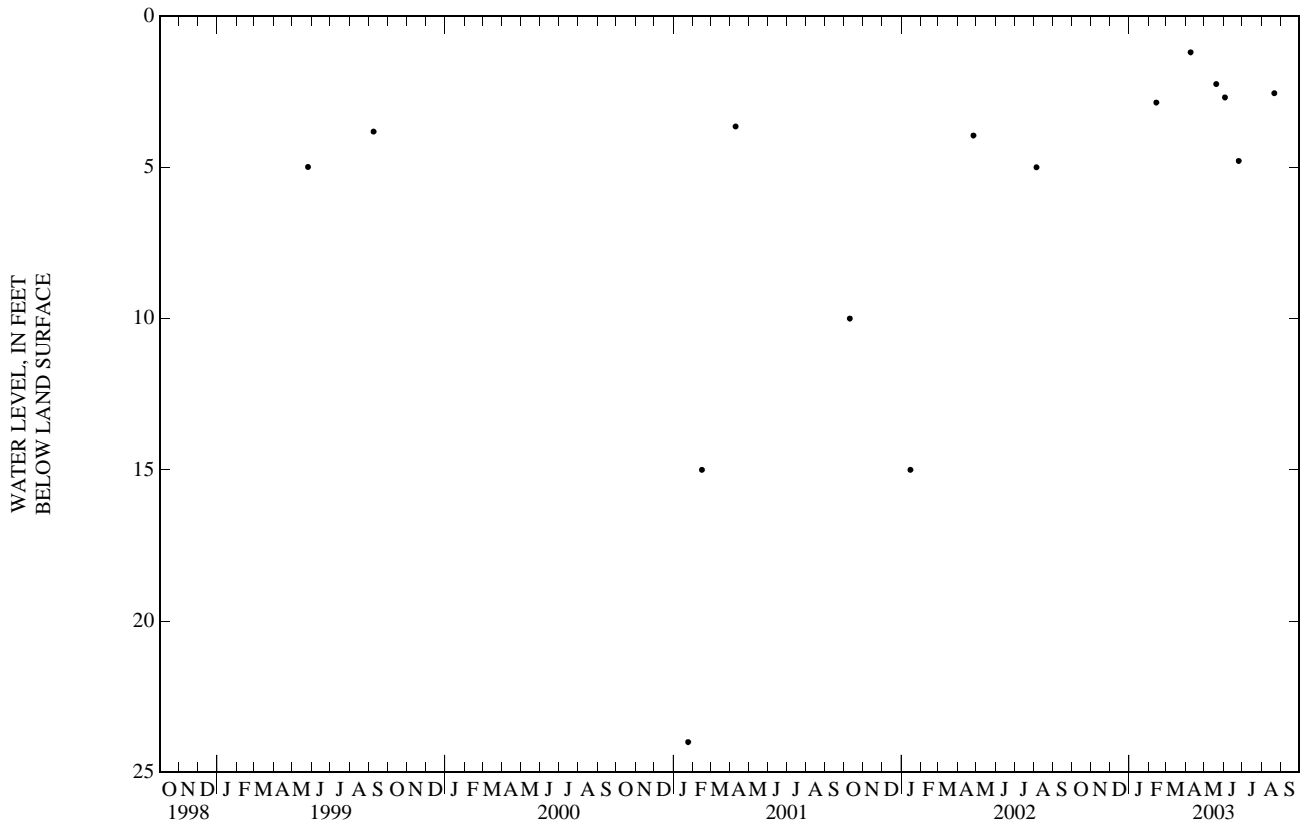
REMARKS.--Station operated in cooperation with DENR as part of the Lizzie research site water-quality monitoring project.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.20 ft below land-surface datum, Apr. 9, 2003; lowest water level measured, 4.99 ft below land-surface datum, May 26, 1999.

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	DATE	WATER LEVEL
FEB 13	2.86	APR 09	1.20	MAY 20	2.25	JUN 03	2.69	JUN 25	4.79	AUG 21	2.55



353127077333703. County number, GR-108; L15S Lizzie—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--February to September 2003.

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, FOR PERIOD FEBRUARY 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...	1715	2.86	775	4.1	37	5.5	878	--	10.6	400	145	8.18	7.50
APR 09...	1445	1.20	766	2.3	22	5.8	255	9.5	14.2	81	26.3	3.59	20.8
JUN 03...	1605	2.69	765	1.0	11	6.8	421	29.0	19.0	190	70.4	4.57	15.5
AUG 21...	1615	2.55	770	2.4	26	6.5	528	32.0	17.4	190	70.4	4.63	18.6

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, water fltrd 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)	Organic nitrogen, water, fltrd, mg/L (00607)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Total nitrogen, water, fltrd, mg/L (00602)
FEB 13...	14.0	133	82.2	150	523	0.44	<0.04	8.07	<0.008	--	<0.02	0.005	8.5
APR 09...	7.96	47	8.41	24.3	151	1.5	0.04	6.90	E.006	1.5	0.07	0.102	8.4
JUN 03...	4.95	160	9.86	40.0	244	0.74	0.12	0.22	E.005	0.62	--	0.035	0.96
AUG 21...	7.10	171	9.16	32.5	249	1.2	0.37	0.20	0.009	0.82	<0.18	0.035	1.4

Date	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, ug/L (01046)
FEB 13...	4.0	113
APR 09...	--	87
JUN 03...	8.2	1,710
AUG 21...	--	3,300