

GREENE COUNTY—Continued

353122077334903. County number, GR-092; L4D.

LOCATION.--Lat 35°31'22.43", long 77°33'47.89", 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 12 ft, diameter 2 in., screened interval from 10 to 12 ft.

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

DATUM.--Land-surface datum is 64.47 ft above NGVD of 1929 (levels by North Carolina Geodetic Survey). Measuring point: Top of metal casing, 1.50 ft above land surface datum.

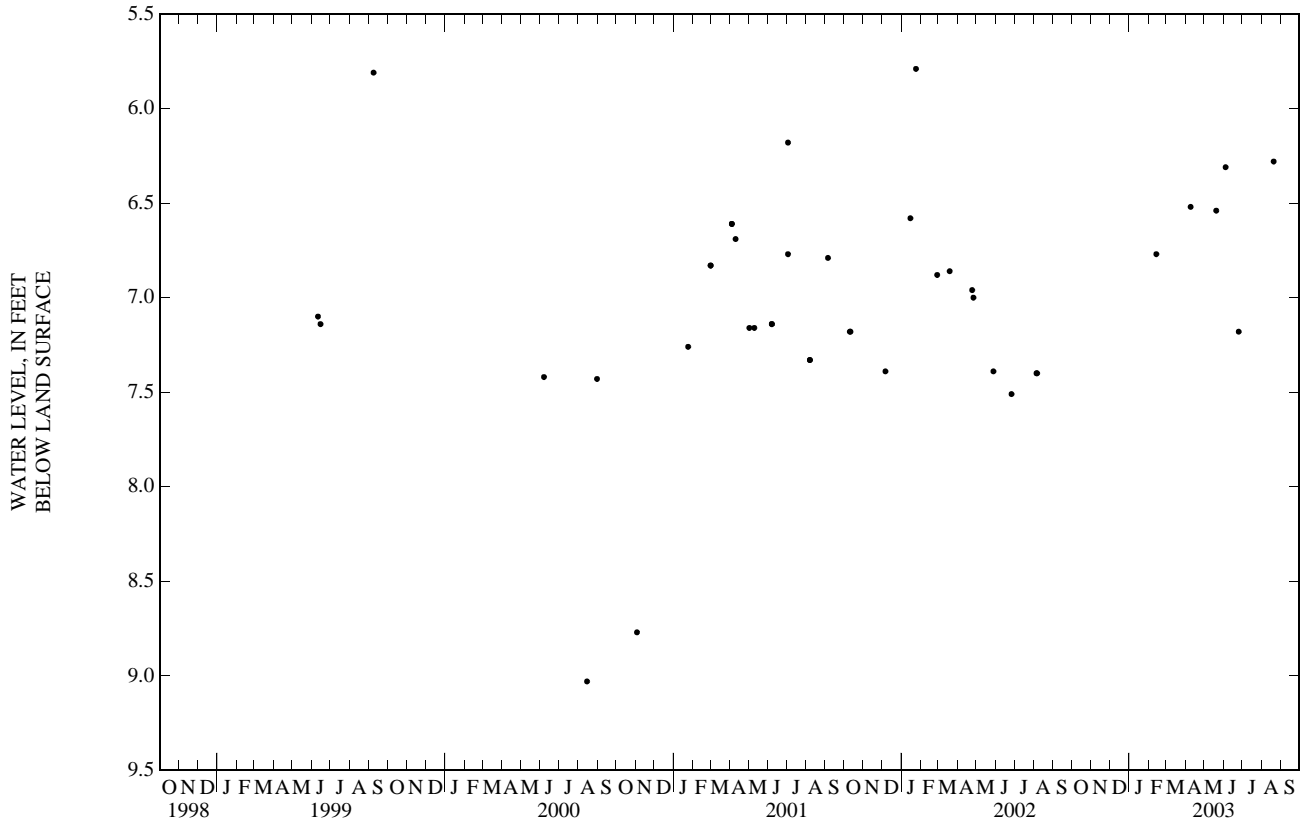
REMARKS.--Station operated in cooperation with DENR as part of the Lizzie research site water-quality monitoring project.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.79 ft below land-surface datum, June 24, 2003; lowest water level measured, 9.03 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	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 13	6.77	APR 09	6.52	MAY 20	6.54	JUN 04	6.31	JUN 25	7.18	AUG 20	6.28



WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 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...	1750	6.77	775	3.3	31	5.2	473	--	12.5	150	46.0	9.47	7.18
APR 09...	1710	6.52	766	3.5	33	5.1	477	7.5	13.0	160	46.1	9.69	7.74
JUN 04...	1005	6.31	764	3.0	30	5.2	454	24.5	16.4	160	49.0	10.3	8.07
AUG 20...	1505	6.28	769	2.9	32	5.4	459	36.0	20.6	160	48.2	10.2	8.46

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...	11.8	<10	41.1	43.0	--	0.16	E.03	24.4	0.023	--	<0.09	0.012	25
APR 09...	12.6	2	41.0	43.0	277	0.12	<0.04	26.1	0.023	--	<0.04	0.027	26
JUN 04...	11.9	2	40.7	40.2	283	0.16	<0.04	27.4	0.019	--	--	0.026	28
AUG 20...	12.1	2	42.5	45.0	275	0.21	0.05	24.2	0.027	0.16	<0.18	0.040	24

Date	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, ug/L (01046)
FEB 13...	0.7	98
APR 09...	--	30
JUN 04...	0.8	21
AUG 20...	--	45