



Water-Data Report 2006

353114077334904 Local number GR-197, PT1-3D

Surficial aquifer system
 Post Miocene (Quaternary + Pliocene) Rocks
 Greene County, NC

LOCATION.--Lat 35°31'14", long 77°33'49" referenced to North American Datum of 1983, Greene County, NC, Hydrologic Unit 03020203, near Lizzie, north of Secondary Road 1335 and west of Secondary Road 1345. Owner: U.S. Geological Survey.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 9.5 ft. Upper casing diameter 0.25 in.

DATUM.--Land-surface datum is 57.52 ft above National Geodetic Vertical Datum of 1929.

PERIOD OF RECORD.--March 2006 to October 2006.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources and the U.S. Environmental Protection Agency as part of the Lizzie research site water-quality monitoring project.

**WATER-QUALITY DATA
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 1 of 3
 [Remark codes: <, less than.]

Date	Time	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Chlor- ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
Mar 29...	1300	.7	7	6.2	99	13.2	--	--	--	--	--	--	.31
Jul 25...	1840	1.5	17	5.3	91	19.7	10.4	.715	1.11	3.68	8.52	13.5	1.5

**WATER-QUALITY DATA
 WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 2 of 3
 [Remark codes: <, less than.]

Date	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- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, ug/L (01046)
Mar 29...	<.04	<.06	--	--	.61	--	--
Jul 25...	.065	<.06	<.002	.530	.59	.3	1,380

353114077334904 Local number GR-197, PT1-3D—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 3

[Remark codes: <, less than.]

Date	Time	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Ammonia +		Nitrite +		Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)
							org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)		
Oct 24...	1440	2.3	24	5.3	93	16.5	.13	.025	<.06	<.002	.613	.63