



Water-Data Report 2006

**353114077334903 Local number GR-196, PT1-3C**

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 8 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...	1315	2.5	26	6.2	127	13.3	--	--	--	--	--	--	2.6
Jul 25...	1815	3.1	36	5.2	101	21.4	8.87	.798	1.25	4.47	10.3	15.3	1.9

**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...	.07	.59	--	--	.41	--	--
Jul 25...	.094	<.06	<.002	.430	.50	1.1	3,240

353114077334903 Local number GR-196, PT1-3C—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 3 of 3

[Remark codes: &lt;, 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)		
<b>Oct</b> 24...	1430	3.9	39	5.3	93	15.7	.40	.057	<.06	<.002	.468	.646