



Water-Data Report 2006

**353103077333407 Local number GR-166, LWQ2M**

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

LOCATION.--Lat 35°31'03", long 77°33'34" referenced to North American Datum of 1983, Greene County, NC, Hydrologic Unit 03020203, near Lizzie, 30 ft north of Secondary Road 1335. Owner: DENR (North Carolina Department of Environment and Natural Resources).

**WATER-QUALITY RECORDS**

WELL CHARACTERISTICS.--Drilled observation well, depth 11.4 ft, diameter 2 in., screened interval from 7.2 to 11.2 ft.

DATUM.--Land-surface datum is 77.49 ft above NGVD of 1929 (levels by North Carolina Geodetic Survey). Measuring point: Top of metal casing, 2.26 ft above land surface datum.

PERIOD OF RECORD.--Water years 2003-04, 2006-07.

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	Depth to water level, feet below LSD (72019)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf 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)
<b>Mar</b>													
29...	1000	--	4.1	--	4.7	148	13.2	--	--	--	--	--	--
<b>Aug</b>													
17...	1030	3.46	2.0	23	3.9	146	22.4	1.05	1.01	.63	20.7	21.1	8.0

353103077333407 Local number GR-166, LWQ2M—Continued

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

Part 2 of 3

[Remark codes: &lt;, less than.]

Date	Ammonia + org-N, water, fltrd, mg/L as N (00623)		Nitrite + nitrate water fltrd, mg/L as N (00631)		Phos- phorus, water, fltrd, mg/L (00666)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, ug/L (01046)
	Mar 29...	.19	<.04	5.58	<.004	--	--
Aug 17...	.45	.018	4.60	<.004	1.6	<6	

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

Part 3 of 3

[Remark codes: &lt;, less than.]

Date	Time	Depth to water level, feet below LSD (72019)	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 + org-N, water, fltrd, mg/L as N (00623)		Nitrite + nitrate water fltrd, mg/L as N (00631)		Phos- phorus, water, fltrd, mg/L (00666)
								Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite water fltrd, mg/L as N (00631)	Phos- phorus, water, fltrd, mg/L (00666)
Oct 26...	1230	3.42	2.1	23	4.4	142	20.2	.95	.035	3.47	<.006	