



Water-Data Report 2006

353114077333102 Local number GR-169, LWQ70D

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

LOCATION.--Lat 35°31'14", long 77°33'31" 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: DENR (North Carolina Department of Environment and Natural Resources).

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 14.6 ft, diameter 2 in., screened interval from 10.4 to 14.4 ft.

DATUM.--Land-surface datum is 78.97 ft above NGVD of 1929 (levels by North Carolina Geodetic Survey). Measuring point: Top of metal casing, 2.07 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)
Mar													
29...	1045	--	1.7	--	4.2	583	13.1	--	--	--	--	--	--
Aug													
16...	1345	2.79	1.4	16	3.7	590	20.5	40.9	11.0	3.63	23.4	79.9	11.1

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 2 of 3

[Remark codes: <, less than.]

Date	Ammonia	Ammonia	Nitrite	Phos-	Iron,
	+ org-N, water, fltrd, mg/L as N (00623)	water, fltrd, mg/L as N (00608)	+ nitrate water fltrd, mg/L as N (00631)	phorus, water, fltrd, mg/L (00666)	water, fltrd, ug/L (01046)
Mar 29...	.18	<.04	32.0	<.004	--
Aug 16...	.40	.015	29.9	<.004	27

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 3

[Remark codes: <, less than.]

Date	Time	Depth	Dis-	pH,	Specif.	Temper-	Ammonia	Nitrite	Phos-		
		to water level, feet below LSD (72019)	solved oxygen, percent of sat- uration mg/L (00300)	water, unfltrd field, std units (00400)	conduc- tance, wat unf uS/cm 25 degC (00095)		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)	phorus, water, fltrd, mg/L (00666)
Oct 26...	1525	2.15	1.7	19	4.0	593	19.6	.31	<.020	31.2	<.006