NEUSE RIVER BASIN

353110077330901 TILE DRAIN (MS4-T1) MIDDLE SWAMP TRIBUTARY NEAR WILLOW GREEN, NC

LOCATION.--Lat 35°31'10", long 77°33'09", Green County, Hydrologic Unit 03020203, approximately 0.25 mi east of Secondary Road 1345 and 1.1 mi westnorthwest of Willow Green.

DRAINAGE AREA .-- Not applicable

PERIOD OF RECORD.--August 2000 to August 2001, February 2003 to current year.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources and the U.S. Environmental Protection Agency to examine nutrient loadings from subsurface tile drains as part of the Lizzie research site water-quality monitoring project.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Flow rate, instan- taneous gal/min (00059)	Baro- metric pres- sure, mm Hg (00025)	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, air, deg C (00020)	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)
FEB 11 AUG 15 17	1322 1835 1310	.31 30.9 9.6	 766 	6.3 6.5	 72 	 4.2 4.2	 210 222	 22.0	 22.4 21.2	 56 	 15.5 	 4.11 	 5.36

Date	Sodium, water, fltrd, mg/L (00930)	Chlor- ide, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	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)	Iron, water, fltrd, ug/L (01046)
FEB									
11									
AUG									
15	3.69	13.1	51.4	<.04	7.59	<.008	<.006	<.004	E4
17									