353125077332501 TILE DRAIN (MS4-T2) MIDDLE SWAMP TRIBUTARY NEAR WILLOW GREEN, NC

LOCATION.--Lat 35°31'25", long 77°33'25", Greene County, Hydrologic Unit 03020203, approximately 0.1 mi west of Secondary Road 1345 and 1.5 mi west-northwest 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, instantaneous gal/min (00059)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT													
03...	1325	2.2	769	6.8	74	4.8	550	19.0	19.8	--	--	--	--
AUG													
15...	1630	162	768	8.3	88	4.2	653	22.0	18.5	90	23.3	7.78	56.8
17...	1410	25.1	--	6.6	--	4.0	634	--	22.0	--	--	--	--

Date	Sodium, water, fltrd, mg/L (00930)	Chloride, 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)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Iron, water, fltrd, ug/L (01046)
OCT									
03...	--	--	--	.12	29.5	E.004	E.004	.013	--
AUG									
15...	21.1	54.5	25.5	<.04	39.4	<.008	.043	.069	15
17...	--	--	--	--	--	--	--	--	--