

02091734 NORTH DRAINAGE DITCH (MS4-D2) NEAR WILLOW GREEN, NC

LOCATION.--Lat 35°31'29", long 77°33'05", Greene County, Hydrologic Unit 03020203, approximately 0.2 mi east of Secondary Road 1345 and 1.3 mi west-northwest of Willow Green.

DRAINAGE AREA.-- Indeterminate.

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 field drainages 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)	Specific conductance, wat unfltrd 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...	1410	18.0	769	9.3	96	6.0	209	19.0	17.2	--	--	--	--
FEB 11...	0850	11.4	769	11.6	96	5.0	248	9.0	7.6	64	16.3	5.62	8.01
AUG 15...	1725	255	767	7.3	83	4.8	381	21.0	22.0	64	16.8	5.36	31.9
AUG 17...	1440	43.5	--	7.4	--	4.6	416	--	22.4	--	--	--	--

Date	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt fxd end lab, mg/L as CaCO3 (29801)	Chloride, water, fltrd, mg/L (00940)	Sulfate, water, fltrd, mg/L (00945)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	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)	Organic nitrogen, water, fltrd, mg/L (00607)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)
OCT 03...	--	--	--	--	.25	2.5	E.03	9.90	<.008	--	--	<.02	.004
FEB 11...	11.1	<2	29.5	16.6	.16	.17	<.04	12.9	E.005	--	--	<.02	E.003
AUG 15...	14.0	<2	35.4	12.0	.86	1.2	.04	22.9	<.008	.82	1.2	<.02	.016
AUG 17...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, fltrd, mg/L (00602)	Total nitrogen, water, unfltrd mg/L (00600)	Organic carbon, water, fltrd, mg/L (00681)	Iron, water, fltrd, ug/L (01046)
OCT 03...	.045	10	12	--	--
FEB 11...	.007	13	13	1.1	17
AUG 15...	.162	24	24	--	72
AUG 17...	--	--	--	--	--