

353111077334901 TILE DRAIN (SR5-T1) TO TRIBUTARY TO SANDY RUN NEAR LIZZIE, NC

LOCATION.--Lat 35°31'11.2", long 77°33'48.7", North American Datum of 1983, Greene County, Hydrologic Unit 03020203, approximately 0.25 mi north of State Road 1335 and approximately 1.8 mi west-northwest of Willow Green.

DRAINAGE AREA.--Not applicable.

PERIOD OF RECORD.--August 2000 to August 2001.

REMARKS.--Station operated in cooperation with the North Carolina Department of Environment and Natural Resources as part of a project to examine nutrient loadings from subsurface tile drains in the Neuse River Basin.

WATER-QUALITY DATA, FOR PERIOD AUGUST 2000 TO AUGUST 2001

DATE	TIME	FLOW RATE (G/M) (00059)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATURATION) (00301)	PH WATER FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKALINITY WAT.DIS FET LAB CACO3 (MG/L) (29801)	
SEP 2000	27...	0810	8.3	6.6	74	3.8	613	21.0	140	36.0	11.0	18.0	27.0	<1
DEC 12...	0835	.16	9.8	87	4.5	579	10.1	140	38.0	12.0	11.0	23.0	--	
FEB 2001	06...	0835	.66	10.3	88	4.1	570	8.5	150	40.0	12.0	9.20	23.0	--
	27...	0855	6.6	10.1	88	4.0	630	9.9	150	40.0	13.0	11.0	27.0	--
APR 02...	1945	17.6	9.1	83	4.1	597	11.5	140	37.0	12.0	13.0	27.0	--	
MAY 03...	1900	.44	9.2	94	4.1	576	16.2	140	37.0	11.0	13.0	24.0	--	
JUN 11...	1210	1.2	7.7	85	4.0	620	20.1	150	39.0	12.0	13.0	27.0	--	
JUL 09...	1940	.21	7.5	86	4.2	536	21.5	120	33.0	10.0	16.0	23.0	<1	
AUG 14...	1915	4.8	6.8	81	4.0	529	23.1	110	30.0	9.30	15.0	24.0	--	

DATE	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITROGEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, DIS-SOLVED (MG/L AS P) (00666)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)
SEP 2000	79.0	16.0	.010	.27	.37	31.0	<.010	.26	.36	31	<.020	.010	<.020
DEC 12...	71.0	14.0	.640	.96	.94	33.0	<.010	.32	.30	34	.030	.020	.020
FEB 2001	06...	68.0	<.010	<.20	<.20	35.0	<.010	--	--	--	<.020	<.010	<.020
	27...	74.0	.020	.25	.27	38.0	<.010	.23	.25	38	<.020	<.010	<.020
APR 02...	66.0	18.0	.011	.30	.34	39.0	<.010	.29	.33	39	<.020	.010	<.020
MAY 03...	66.0	14.0	<.010	.26	.34	36.0	<.010	--	--	36	<.020	<.010	<.020
JUN 11...	67.0	14.0	<.010	.28	.31	46.0	<.010	--	--	46	<.020	.010	<.020
JUL 09...	59.0	14.0	<.010	<.20	<.20	35.0	<.010	--	--	--	<.020	<.010	<.020
AUG 14...	59.0	16.0	.030	.48	.62	30.0	<.010	.45	.59	31	.020	.020	.050

DATE	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGANESE, DIS-SOLVED (UG/L AS MN) (01056)
SEP 2000	2.3	10	77.0
DEC 12...	2.6	M	54.0
FEB 2001	1.0	M	58.0
	2.0	M	77.0
APR 02...	2.9	M	73.0
MAY 03...	1.6	M	53.0
JUN 11...	2.4	M	64.0
JUL 09...	2.5	M	47.0
AUG 14...	3.3	M	56.0