

NEUSE RIVER BASIN

353408077410601 TILE DRAIN (SR1-T1) TO SANDY RUN NEAR WALSTONBURG, NC

LOCATION.--Lat 35°34'07.9", long 77°41'06.3", North American Datum of 1983, Greene County, Hydrologic Unit 03020203, approximately 0.05 mi east of State Road 1312 and approximately 2 mi south-southeast of Walstonburg.

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)	CHLORIDE, DIS-SOLVED (MG/L AS Cl) (00940)
SEP 2000													
26...	1045	E25.4	7.1	81	3.9	383	21.1	84	18.0	9.40	17.0	13.0	49.0
DEC 12...	1255	1.7	9.9	88	4.2	380	10.3	98	21.0	11.0	7.60	13.0	48.0
MAR 2001													
05...	1130	.47	10.3	94	4.4	381	10.5	98	21.0	11.0	9.90	14.0	44.0
APR 02...	1205	10.3	8.2	75	4.3	360	11.4	91	20.0	10.0	8.80	11.0	47.0
JUN 12...	1020	.88	7.5	84	4.0	382	20.8	93	19.0	11.0	8.20	13.0	49.0

DATE	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, 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)	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													
26...	8.0	<.010	.53	.63	20.0	<.010	21	<.020	<.010	.030	4.3	10	41.0
DEC 12...	4.7	<.010	<.20	<.20	23.0	<.010	--	<.020	.010	<.020	1.2	M	51.0
MAR 2001													
05...	4.2	<.010	.24	.21	25.0	<.010	25	<.020	<.010	<.020	2.5	M	64.0
APR 02...	6.4	<.010	.28	.28	20.0	<.010	20	<.020	<.010	<.020	2.1	M	46.0
JUN 12...	3.8	<.010	.20	<.20	22.0	<.010	--	<.020	<.010	<.020	1.5	M	48.0