

353107077383001 TILE DRAIN (SR4-T1) AT UNNAMED TRIBUTARY TO SANDY RUN NEAR LIZZIE, NC

LOCATION.--Lat 35°31'06.7", long 77°38'30.4", North American Datum of 1983, Greene County, Hydrologic Unit 03020203, approximately 0.1 mi south of State Road 1301 and approximately 1.5 mi west-northwest of Lizzie.

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 SATUR- ATION) (00301)	PH WATER FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ALKA- LITY WAT.DIS FET LAB CACO3 (MG/L) (29801)
AUG 2000													
28...	1730	.27	6.5	76	4.2	610	23.1	120	31.0	11.0	21.0	34.0	<1
SEP													
27...	0925	E42.3	5.2	58	3.9	456	21.2	100	28.0	8.50	16.0	14.0	<1
DEC													
12...	1150	2.5	9.0	84	4.4	671	12.1	130	34.0	12.0	22.0	33.0	--
JAN 2001													
17...	1000	.54	10.6	90	4.1	759	8.6	160	40.0	14.0	23.0	40.0	--
FEB													
05...	1600	.78	9.8	85	4.4	759	8.8	160	40.0	14.0	23.0	40.0	--
27...	1435	3.5	8.8	78	4.0	590	10.6	130	32.0	11.0	18.0	29.0	--
MAR													
05...	1510	6.8	9.2	85	4.2	504	11.0	110	28.0	9.30	15.0	24.0	--
APR													
03...	1415	17.1	8.3	77	4.1	437	12.0	100	27.0	8.50	12.0	17.0	--
MAY													
03...	1320	1.0	8.7	88	4.1	587	16.3	120	31.0	11.0	17.0	29.0	--
JUN													
11...	1425	5.5	7.4	82	4.0	427	19.5	97	26.0	7.90	12.0	15.0	--
JUL													
10...	1200	4.5	6.9	80	3.7	453	21.9	98	26.0	8.10	14.0	17.0	--
AUG													
14...	1435	13.7	5.8	70	3.9	405	23.5	84	22.0	7.00	15.0	16.0	--

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	NITRO- GEN, AM- MONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN, TOTAL (MG/L AS N) (00605)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)
AUG 2000													
28...	61.0	12.0	.180	<.20	<.20	40.0	<.010	--	--	--	<.020	<.010	<.020
SEP													
27...	35.0	17.0	.100	.31	.36	32.0	<.010	.21	.26	32	.020	<.010	<.020
DEC													
12...	63.0	16.0	.300	.54	.55	58.0	<.010	.24	.25	59	<.020	<.010	<.020
JAN 2001													
17...	74.0	12.0	.102	.29	.32	58.0	<.010	.19	.22	58	<.020	<.010	<.020
FEB													
05...	73.0	12.0	.096	.33	.39	56.0	<.010	.23	.29	56	<.020	.020	<.020
27...	54.0	18.0	.224	.45	.50	41.0	<.010	.23	.28	42	<.020	<.010	<.020
MAR													
05...	46.0	19.0	.168	.39	.43	34.0	<.010	.22	.26	34	<.020	<.010	<.020
APR													
03...	36.0	19.0	.096	.34	.33	31.0	<.010	.24	.23	31	<.020	<.010	<.020
MAY													
03...	53.0	17.0	.235	.56	.57	45.0	<.010	.33	.33	46	<.020	<.010	<.020
JUN													
11...	35.0	19.0	.292	.54	.52	30.0	<.010	.25	.23	31	<.020	<.010	<.020
JUL													
10...	38.0	17.0	.244	.42	.41	31.0	<.010	.18	.17	31	<.020	<.010	<.020
AUG													
14...	34.0	17.0	.292	.64	.47	27.0	<.010	.35	.18	27	<.020	<.010	<.020

NEUSE RIVER BASIN

353107077383001 TILE DRAIN (SR4-T1) AT UNNAMED TRIBUTARY TO SANDY RUN NEAR LIZZIE, NC--Continued

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

DATE	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)
AUG 2000			
28...	2.1	30	110
SEP			
27...	1.9	M	62.0
DEC			
12...	1.9	10	92.0
JAN 2001			
17...	1.6	M	110
FEB			
05...	2.0	10	110
27...	2.4	M	83.0
MAR			
05...	3.0	M	76.0
APR			
03...	2.2	M	67.0
MAY			
03...	2.1	M	87.0
JUN			
11...	3.0	M	65.0
JUL			
10...	1.4	M	66.0
AUG			
14...	2.4	20	61.0