

NEUSE RIVER BASIN

353407077411801 TILE DRAIN (SR2-T1) SANDY RUN HEADWATER NEAR WALSTONBURG, NC

LOCATION.--Lat 35°34'06.9", long 77°41'17.7", North American Datum of 1983, Greene County, Hydrologic Unit 03020203, at State Road 1313 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 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 NONCARB DISSOLV LAB AS CAC03 (MG/L) (00905)	HARD-NESS TOTAL (MG/L AS CAC03) (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)
SEP 2000													
26...	1200	11.6	6.9	80	4.1	230	22.3	--	45	8.80	5.50	6.70	13.0
DEC 12...	1425	2.7	9.9	90	4.7	217	11.1	--	38	7.00	5.00	4.70	16.0
JAN 2001													
18...	1015	.57	10.6	91	4.2	204	8.9	--	31	5.10	4.40	3.10	18.0
FEB 05...	1110	1.1	10.8	94	4.8	212	9.0	26	29	5.50	3.70	3.50	22.0
27...	1205	2.8	9.9	88	4.4	223	10.4	--	38	6.80	5.10	4.30	17.0
MAR 05...	1250	6.0	9.8	90	4.5	226	10.8	--	42	7.60	5.70	4.30	16.0
APR 02...	1340	10.3	8.5	79	4.3	232	12.1	--	47	8.70	6.20	5.10	14.0
MAY 03...	1510	.12	9.1	96	4.7	262	18.1	43	45	9.70	5.00	7.80	20.0
JUN 12...	0920	.74	7.6	88	4.3	248	22.2	--	41	8.40	4.90	7.20	17.0
AUG 14...	1020	.42	6.0	72	4.4	266	23.8	--	36	9.00	3.40	10.0	24.0

DATE	ALKA-LINITY WAT.DIS FET LAB CAC03 (MG/L) (29801)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, AMMONIA 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, 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)
SEP 2000													
26...	--	28.0	13.0	--	<.010	.23	.40	9.80	<.010	10	<.020	<.010	<.020
DEC 12...	--	29.0	9.2	--	<.010	<.20	.30	11.0	<.010	11	<.020	<.010	<.020
JAN 2001													
18...	--	29.0	8.1	--	<.010	<.20	<.20	9.00	<.010	--	<.020	<.010	<.020
FEB 05...	2	30.0	11.0	114	.020	<.20	<.20	8.40	<.010	--	<.020	<.010	<.020
27...	--	29.0	8.5	--	<.010	<.20	<.20	11.0	<.010	--	<.020	<.010	<.020
MAR 05...	--	28.0	8.9	--	<.010	.22	.21	11.0	<.010	11	<.020	<.010	<.020
APR 02...	--	26.0	9.0	--	<.010	<.20	<.20	13.0	<.010	--	<.020	<.010	<.020
MAY 03...	2	29.0	11.0	150	<.010	.25	.27	15.0	<.010	15	<.020	<.010	<.020
JUN 12...	--	28.0	10.0	--	<.010	<.20	<.20	13.0	<.010	--	<.020	.040	<.020
AUG 14...	--	32.0	16.0	--	<.010	<.20	<.20	12.0	<.010	--	<.020	<.010	<.020

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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)
SEP 2000			
26...	1.6	10	24.0
DEC			
12...	1.7	M	23.0
JAN 2001			
18...	.60	M	20.0
FEB			
05...	1.2	M	20.0
27...	1.6	M	23.0
MAR			
05...	2.8	M	23.0
APR			
02...	2.0	M	24.0
MAY			
03...	1.4	M	29.0
JUN			
12...	.70	M	25.0
AUG			
14...	1.5	M	29.0