

0209171725 DRAINAGE DITCH (SRI-D1) TO SANDY RUN NEAR WALSTONBURG, NC

LOCATION.--Lat 35°33'58.9, long 77°41'08.6, North American Datum of 1983, Greene County, Hydrologic Unit 03020203, approximately 0.1 mi east of State Road 1312 and approximately 2 mi south-southeast of Walstonburg.

DRAINAGE AREA.--Indeterminate.

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 drainage ditches 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 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...	0905	49.4	7.2	80	4.5	273	20.2	--	70	17.0	6.80	12.0	7.9
OCT													
24...	1100	<.01	2.4	22	6.2	140	11.9	4	38	8.20	4.20	12.0	6.3
DEC													
12...	1330	E3.7	10.8	104	5.6	228	13.3	61	66	16.0	6.40	6.20	8.7
JAN 2001													
18...	1230	E1.8	12.7	110	5.8	185	9.0	42	56	14.0	5.00	5.00	7.9
FEB													
05...	1515	E3.4	12.9	120	5.9	182	11.9	37	50	12.0	4.80	6.10	7.7
27...	1100	5.9	14.4	128	5.5	208	10.7	52	61	15.0	5.60	4.90	8.7
MAR													
05...	1210	15.8	12.3	113	5.4	224	11.0	59	65	16.0	6.00	5.90	8.6
APR													
02...	1250	40.0	9.2	93	4.9	269	16.2	74	77	19.0	7.10	7.40	8.2
MAY													
03...	1645	E.05	3.0	35	6.2	173	24.7	21	46	11.0	4.50	8.30	6.7
JUN													
12...	1150	5.6	5.2	63	5.8	229	24.2	53	65	15.0	6.60	6.80	8.7
JUL													
11...	0955	E1.1	2.8	34	6.4	187	25.3	13	48	11.0	5.00	10.0	7.2
AUG													
14...	1205	E2.0	5.9	71	5.9	87	24.7	--	18	4.20	1.80	9.50	2.2

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, NITRATE DIS-SOLVED (MG/L AS N) (00618)	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, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, TOTAL (MG/L AS N) (00600)
SEP 2000													
26...	--	37.0	13.0	--	.090	.51	.67	--	12.0	<.010	.42	.58	13
OCT													
24...	34	26.0	10.0	92	3.90	5.1	7.1	--	<.020	<.010	1.2	3.2	--
DEC													
12...	6	31.0	13.0	126	.050	.31	.47	9.27	9.30	.030	.26	.42	9.8
JAN 2001													
18...	14	23.0	16.0	100	.018	.27	.78	4.64	4.70	.060	.25	.76	5.5
FEB													
05...	13	24.0	13.0	94	.022	.43	.99	4.18	4.20	.020	.41	.97	5.2
27...	9	26.0	16.0	114	.022	<.20	.48	7.29	7.30	.010	--	.46	7.8
MAR													
05...	6	27.0	16.0	125	.342	.66	.86	9.28	9.30	.020	.32	.52	10
APR													
02...	3	35.0	13.0	149	.038	.28	.41	13.0	13.0	.010	.24	.37	13
MAY													
03...	25	26.0	9.9	83	.508	.92	1.9	.210	.240	.030	.41	1.4	2.1
JUN													
12...	12	33.0	8.2	122	.214	.67	1.2	8.14	8.20	.060	.46	.99	9.4
JUL													
11...	35	26.0	6.5	89	1.84	2.6	4.7	--	<.020	<.010	.76	2.9	--
AUG													
14...	18	6.7	5.8	47	.560	2.0	4.8	1.17	1.20	.030	1.4	4.2	6.0

NEUSE RIVER BASIN

0209171725 DRAINAGE DITCH (SR1-D1) TO SANDY RUN NEAR WALSTONBURG, NC--Continued

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

DATE	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)	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...	<.020	<.010	.030	<.10	90	34.0
OCT						
24...	<.020	<.010	.320	7.1	110	33.0
DEC						
12...	<.020	.020	<.020	1.6	60	39.0
JAN 2001						
18...	<.020	<.010	.040	2.3	50	24.0
FEB						
05...	<.020	<.010	.040	3.8	110	20.0
27...	<.020	<.010	<.020	3.0	80	27.0
MAR						
05...	<.020	<.010	.020	3.2	80	31.0
APR						
02...	<.020	<.010	<.020	2.9	100	36.0
MAY						
03...	<.020	<.010	.150	6.5	100	33.0
JUN						
12...	<.020	.040	.090	2.6	20	41.0
JUL						
11...	.020	<.010	.360	8.2	60	45.0
AUG						
14...	.030	.030	.580	9.2	200	10.0