

NEUSE RIVER BASIN

02091734 NORTH DRAINAGE DITCH (MS4-D2) NEAR WILLOW GREEN, NC

LOCATION.--Lat 35°31'28.9, long 77°33'05.4", North American Datum of 1983, Greene County, Hydrologic Unit 03020203, approximately 0.2 mi east of State Road 1345 and 1.3 mi west-northwest of Willow Green.

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)
AUG 2000													
28...	1915	E4.5	6.5	73	6.2	111	21.1	16	26	7.10	2.10	3.50	7.1
SEP 28...	1545	27.4	8.2	90	4.7	337	19.9	76	78	20.0	6.80	13.0	15.0
OCT 24...	1640	E4.5	8.1	80	5.9	115	15.6	22	29	8.00	2.30	2.00	7.2
NOV 13...	1415	E2.8	7.7	75	6.0	118	13.9	22	30	8.10	2.30	2.10	7.2
DEC 12...	1050	12.5	10	90	5.2	352	10.9	89	91	24.0	7.60	9.70	15.0
JAN 2001													
18...	1645	E2.9	6.5	56	5.9	140	9.2	15	31	5.50	4.20	11.0	6.8
FEB 06...	1600	E1.0	7.4	64	5.7	116	9.0	23	32	8.70	2.60	2.00	6.4
26...	1535	16.1	8.4	83	5.3	271	14.9	69	73	19.0	6.10	6.90	12.0
MAR 05...	1655	18.3	10.6	97	5.0	311	10.7	82	84	22.0	7.10	7.80	14.0
APR 03...	1100	27.1	10.2	92	5.0	245	11.0	63	66	17.0	5.70	5.70	11.0
MAY 04...	0900	E4.0	8.3	84	5.8	111	16.3	21	30	7.90	2.50	1.40	6.6
JUN 11...	1530	E3.9	6.8	82	6.0	110	24.0	17	28	7.60	2.30	1.80	6.7
14...	1630	117	7.0	82	5.9	64	22.4	6	15	3.60	1.50	5.60	2.8
JUL 10...	0950	21.4	8.0	91	4.8	237	21.0	57	59	15.0	5.30	7.20	11.0
AUG 15...	1050	37.9	7.8	90	4.5	387	22.4	85	87	22.0	7.70	18.0	17.0
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, 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, ORGANIC TOTAL (MG/L AS N) (00600)
AUG 2000													
28...	10	14.0	4.1	59	.020	.24	.30	--	3.50	<.010	.22	.28	3.8
SEP 28...	2	37.0	12.0	198	.070	.47	.65	21.0	21.0	.010	.40	.58	22
OCT 24...	8	14.0	4.3	65	.080	<.20	.35	5.09	5.10	.010	--	.27	5.4
NOV 13...	8	13.0	5.0	67	.060	<.20	.29	5.59	5.60	.010	--	.23	5.9
DEC 12...	2	43.0	9.7	199	.026	.28	.34	--	20.0	<.010	.25	.31	20
JAN 2001													
18...	16	14.0	5.9	81	<.010	.79	1.1	5.29	5.30	.010	--	--	6.4
FEB 06...	9	13.0	5.4	66	.024	<.20	<.20	5.08	5.10	.020	--	--	--
26...	3	33.0	9.6	151	.011	<.20	.44	14.0	14.0	.010	--	.43	14
MAR 05...	3	37.0	12.0	177	.052	.37	.37	--	17.0	<.010	.32	.32	17
APR 03...	2	31.0	11.0	141	.022	.27	.33	--	13.0	<.010	.25	.31	13
MAY 04...	9	13.0	5.3	62	.083	.28	.31	--	4.40	<.010	.20	.23	4.7
JUN 11...	11	13.0	4.3	60	.240	.44	1.0	3.88	3.90	.020	.20	.76	4.9
14...	9	7.9	4.4	36	.112	.86	3.1	--	.850	<.010	.75	3.0	4.0
JUL 10...	3	30.0	10.0	133	.090	.43	.40	--	12.0	<.010	.34	.31	12
AUG 15...	2	48.0	13.0	220	.130	.60	1.0	--	21.0	<.010	.47	.87	22

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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)
AUG 2000						
28...	<.020	.010	.040	2.4	30	4.3
SEP						
28...	<.020	<.010	.040	2.3	160	51.0
OCT						
24...	<.020	<.010	.040	1.0	20	19.0
NOV						
13...	<.020	<.010	.040	1.5	20	20.0
DEC						
12...	<.020	<.010	<.020	1.8	50	59.0
JAN 2001						
18...	.240	.180	.360	9.5	80	56.0
FEB						
06...	<.020	<.010	.020	1.9	30	19.0
26...	<.020	<.010	<.020	1.9	50	64.0
MAR						
05...	<.020	<.010	<.020	3.5	60	63.0
APR						
03...	<.020	<.010	<.020	2.7	130	47.0
MAY						
04...	<.020	<.010	<.020	3.3	20	18.0
JUN						
11...	<.020	.010	.170	2.6	200	33.0
14...	.050	.040	.640	9.2	350	15.0
JUL						
10...	<.020	<.010	<.020	1.8	80	38.0
AUG						
15...	<.020	<.010	.060	3.2	220	50.0