

353111077330501 SOUTH DRAINAGE DITCH (MS4-D1) NEAR WILLOW GREEN, NC

LOCATION.--Lat 35°31'10.5", long 77°33'05.1", North American Datum of 1983, Greene County, Hydrologic Unit 03020203, approximately 0.3 mi east of State Road 1345 and 1.1 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 SATURATION) (00301)	PH WATER FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS NONCARB LAB AS CAC03 (MG/L) (00905)	HARDNESS TOTAL (MG/L) (00900)	CALCIUM DIS-SOLVED (MG/L) (00915)	MAGNESIUM, DIS-SOLVED (MG/L) (00925)	POTASSIUM, DIS-SOLVED (MG/L) (00935)	SODIUM, DIS-SOLVED (MG/L) (00930)
SEP 2000													
28...	1220	5.8	4.9	51	5.7	192	17.5	53	62	19.0	3.60	4.20	6.2
DEC 11...	1655	E4.5	8.0	65	5.8	190	6.8	45	60	18.0	3.70	7.40	5.7
FEB 2001													
06...	1515	E.72	10.0	88	5.9	130	9.7	27	40	12.0	2.40	4.30	5.4
26...	1700	6.5	8.0	79	6.0	141	15.2	32	44	13.0	2.80	3.70	5.3
APR 03...	1210	14.4	9.0	83	5.9	138	11.9	33	44	13.0	2.90	2.70	4.9
JUN 14...	1450	14.2	4.3	50	6.0	108	22.7	10	44	13.0	2.70	1.90	4.3
JUL 10...	1110	E4.6	4.5	53	6.1	127	23.6	12	48	14.0	3.20	.80	5.5
AUG 15...	0845	24.6	4.9	56	5.7	147	22.4	34	48	14.0	3.20	3.70	4.4

DATE	ALKALINITY WAT.DIS FET LAB CAC03 (MG/L) (29801)	CHLORIDE, DIS-SOLVED (MG/L) (00940)	SULFATE, DIS-SOLVED (MG/L) (00945)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)	NITROGEN, AMMONIA, DIS-SOLVED (MG/L) (00608)	NITROGEN, AMMONIA + ORGANIC, DIS-SOLVED (MG/L) (00623)	NITROGEN, AMMONIA + ORGANIC, TOTAL (MG/L) (00625)	NITROGEN, NITRATE, DIS-SOLVED (MG/L) (00618)	NITROGEN, NO2+NO3, DIS-SOLVED (MG/L) (00631)	NITROGEN, NITRITE, DIS-SOLVED (MG/L) (00613)	NITROGEN, ORGANIC, DIS-SOLVED (MG/L) (00607)	NITROGEN, ORGANIC, TOTAL (MG/L) (00605)	NITROGEN, TOTAL (MG/L) (00600)
SEP 2000													
28...	10	12.0	50.0	105	.020	.44	.49	--	.950	<.010	.42	.47	1.4
DEC 11...	15	20.0	36.0	110	<.010	.33	.32	--	2.40	<.010	--	--	2.7
FEB 2001													
06...	13	12.0	26.0	71	.020	.25	.35	--	.140	<.010	.23	.33	.49
26...	12	12.0	21.0	77	.019	.34	.41	--	2.60	<.010	.32	.39	3.0
APR 03...	11	11.0	19.0	77	.046	.38	.42	--	3.80	<.010	.33	.37	4.2
JUN 14...	34	8.3	5.0	57	.022	.96	1.1	--	.090	<.010	.94	1.1	1.2
JUL 10...	36	10.0	6.7	63	.021	.53	.68	--	.280	<.010	.51	.66	.96
AUG 15...	14	10.0	14.0	83	.030	.40	.80	5.59	5.60	.010	.37	.77	6.4

DATE	PHOSPHORUS, DIS-SOLVED (MG/L) (00666)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L) (00671)	PHOSPHORUS, TOTAL (MG/L) (00665)	CARBON, ORGANIC, DIS-SOLVED (MG/L) (00681)	IRON, DIS-SOLVED (UG/L) (01046)	MANGANESE, DIS-SOLVED (UG/L) (01056)
SEP 2000						
28...	<.020	.010	.050	5.5	70	30.0
DEC 11...	<.020	<.010	.030	3.2	50	11.0
FEB 2001						
06...	<.020	.030	.040	4.3	120	18.0
26...	<.020	.020	.060	5.3	60	7.2
APR 03...	<.020	.020	.030	2.6	60	11.0
JUN 14...	.050	.040	.120	13	550	21.0
JUL 10...	<.020	<.010	.040	7.5	240	10.0
AUG 15...	<.020	<.010	<.020	4.2	110	20.0