

353354077343402 WEST DRAINAGE DITCH (MS2-D2) TO MIDDLE SWAMP TRIBUTARY NEAR MARLBORO, NC

LOCATION.--Lat 35°33'54.0", long 77°34'34.4", North American Datum of 1983, Pitt County, Hydrologic Unit 03020203, approximately 0.3 mi south of U.S. Highway 264A and 1.7 mi southeast of Marlboro.

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 DISSOLV LAB AS CAC03 (MG/L) (00905)	HARDNESS TOTAL (MG/L) AS CAC03 (00900)	CALCIUM DIS-SOLVED (MG/L) AS CA (00915)	MAGNESIUM DIS-SOLVED (MG/L) AS MG (00925)	POTASSIUM DIS-SOLVED (MG/L) AS K (00935)	SODIUM DIS-SOLVED (MG/L) AS NA (00930)
SEP 2000													
29...	1020	E4.7	6.7	74	4.6	121	20.6	30	32	9.60	2.00	3.60	3.8
DEC 11...	1405	E1.8	8.9	79	4.8	134	10.3	35	38	11.0	2.50	2.20	5.3
FEB 2001													
06...	1315	E.54	8.3	69	5.0	123	7.2	33	36	11.0	2.00	1.70	5.1
26...	1055	E4.3	9.0	82	4.8	134	11.2	34	38	11.0	2.60	2.20	6.1
APR 02...	1630	17.0	9.2	85	4.6	142	12.3	38	41	12.0	2.70	2.70	5.1
JUN 11...	1715	E.05	5.6	63	4.8	138	21.3	36	39	11.0	2.70	2.10	6.0
JUL 09...	1450	E2.8	6.0	70	4.5	149	22.6	38	40	12.0	2.40	3.10	5.0

DATE	ALKALINITY WAT.DIS FET LAB CAC03 (MG/L) (29801)	CHLORIDE, DIS-SOLVED (MG/L) AS CL (00940)	SULFATE DIS-SOLVED (MG/L) AS SO4 (00945)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)	NITROGEN, AMMONIA DIS-SOLVED (MG/L) AS N (00608)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L) AS N (00623)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L) AS N (00625)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L) AS N (00631)	NITROGEN, NITRITE DIS-SOLVED (MG/L) AS N (00613)	NITROGEN, ORGANIC DIS-SOLVED (MG/L) AS N (00607)	NITROGEN, ORGANIC TOTAL (MG/L) AS N (00605)	NITROGEN, TOTAL (MG/L) AS N (00600)	PHOSPHORUS DIS-SOLVED (MG/L) AS P (00666)
SEP 2000													
29...	2	12.0	20.0	62	.080	.30	.48	2.20	<.010	.22	.40	2.7	<.020
DEC 11...	3	12.0	28.0	70	<.010	<.20	.37	1.60	<.010	--	--	2.0	<.020
FEB 2001													
06...	2	12.0	27.0	65	.020	<.20	.88	.900	<.010	--	.86	1.8	<.020
26...	4	13.0	29.0	72	<.010	.41	.42	1.20	<.010	--	--	1.6	<.020
APR 02...	3	13.0	25.0	78	.013	.21	.31	3.60	<.010	.20	.30	3.9	<.020
JUN 11...	3	14.0	27.0	77	.044	.26	.59	2.70	<.010	.22	.55	3.3	<.020
JUL 09...	2	16.0	21.0	76	.026	<.20	.26	3.40	<.010	--	.23	3.7	<.020

DATE	PHOSPHORUS ORTHO, DIS-SOLVED (MG/L) AS P (00671)	PHOSPHORUS TOTAL (MG/L) AS P (00665)	CARBON, ORGANIC DIS-SOLVED (MG/L) AS C (00681)	IRON, DIS-SOLVED (UG/L) AS FE (01046)	MANGANESE, DIS-SOLVED (UG/L) AS MN (01056)
SEP 2000					
29...	<.010	.050	2.6	100	18.0
DEC 11...	<.010	<.020	1.7	70	21.0
FEB 2001					
06...	<.010	.080	2.0	340	15.0
26...	<.010	.020	2.5	90	26.0
APR 02...	<.010	.020	2.7	50	21.0
JUN 11...	<.010	.040	2.8	10	15.0
JUL 09...	<.010	<.020	2.5	70	19.0