

353343077354901 TILE DRAIN (MS1-T1) AT DITCH TO MIDDLE SWAMP NEAR MARLBORO, NC

LOCATION.--Lat 35°33'42.7", long 77°35'48.9", North American Datum of 1983, Greene County, Hydrologic Unit 03020203, approximately 0.3 mi east of U.S. Highway 258 and 1.3 mi south of Marlboro.

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 SATURATION) (00301)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	HARDNESS TOTAL AS (MG/L) (00900)	CALCIUM DIS-SOLVED AS (MG/L) (00915)	MAGNESIUM, DIS-SOLVED AS (MG/L) (00925)	POTASSIUM, DIS-SOLVED AS (MG/L) (00935)	SODIUM, DIS-SOLVED AS (MG/L) (00930)	ALKALINITY WAT.DIS FET LAB CAC03 (MG/L) (29801)
SEP 2000 27...	1140	21.4	4.6	52	4.0	202	21.8	49	12.0	4.50	8.80	3.2	<1
MAR 2001 05...	1010	5.1	10.1	91	4.2	218	10.0	60	15.0	5.50	5.70	4.4	--
APR 02...	1045	15.1	9.1	82	4.3	225	11.1	63	16.0	5.50	6.60	3.9	--
JUN 14...	1155	10.1	7.3	82	4.1	249	20.9	62	15.0	6.00	8.70	3.8	--

DATE	CHLORIDE, DIS-SOLVED AS (MG/L) (00940)	SULFATE DIS-SOLVED AS (MG/L) (00945)	NITROGEN, AMMONIA DIS-SOLVED AS (MG/L) (00608)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L) (00623)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L) (00625)	NITRATE DIS-SOLVED AS (MG/L) (00618)	NITROGEN, NO2+NO3 DIS-SOLVED AS (MG/L) (00631)	NITRITE DIS-SOLVED AS (MG/L) (00613)	NITROGEN, TOTAL (MG/L) (00600)	PHOSPHORUS, DIS-SOLVED AS (MG/L) (00666)	PHOSPHORUS, ORTHO, DIS-SOLVED AS (MG/L) (00671)	PHOSPHORUS, TOTAL (MG/L) (00665)	CARBON, ORGANIC DIS-SOLVED AS (MG/L) (00681)
SEP 2000 27...	22.0	8.9	<.010	.52	.52	9.36	9.40	.040	9.9	<.020	<.010	<.020	2.7
MAR 2001 05...	24.0	7.1	<.010	.30	.25	--	12.0	<.010	12	<.020	<.010	<.020	3.9
APR 02...	21.0	8.0	<.010	.23	.30	--	13.0	<.010	13	<.020	<.010	<.020	1.9
JUN 14...	24.0	6.1	<.010	.33	.30	--	15.0	<.010	15	<.020	<.010	<.020	2.1

DATE	IRON, DIS-SOLVED AS (UG/L) (01046)	MANGANESE, DIS-SOLVED AS (UG/L) (01056)
SEP 2000 27...	50	16.0
MAR 2001 05...	M	20.0
APR 02...	M	20.0
JUN 14...	M	20.0