

NEUSE RIVER BASIN

353356077342901 EAST DRAINAGE DITCH (MS2-D1) TO MIDDLE SWAMP TRIBUTARY NEAR MARLBORO, NC

LOCATION.--Lat 35°33'55.6", long 77°34'29.2", North American Datum of 1983, Pitt County, Hydrologic Unit 03020203, approximately 0.25 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 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 CACO3 (MG/L) (00905)	HARD- NESS TOTAL (MG/L AS CACO3) (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														
29...	0900	16.6	7.7	83	4.9	124	19.4	31	34	9.00	2.70	4.10	4.3	
DEC														
11...	1310	14.4	8.6	75	5.2	134	9.2	36	40	11.0	3.00	3.60	5.2	
JAN 2001														
18...	1510	E.05	6.7	58	5.7	149	8.8	32	42	12.0	2.80	3.70	8.4	
FEB														
06...	1205	8.6	9.6	79	5.7	142	7.3	29	39	11.0	2.70	4.50	6.8	
26...	1140	10.1	8.5	83	5.2	141	14.6	34	40	11.0	3.00	3.80	6.2	
APR														
02...	1745	40.7	8.5	82	5.1	143	13.9	36	41	11.0	3.30	3.70	5.2	
JUN														
11...	1800	E1.8	6.4	76	6.0	138	23.1	30	39	11.0	2.90	4.20	5.9	
JUL														
09...	1540	9.1	7.1	87	5.6	152	24.8	37	44	12.0	3.30	4.40	6.0	
AUG														
15...	1210	15.7	7.2	88	5.4	130	25.3	30	37	9.80	3.00	4.60	4.5	
DATE		ALKA- LINITY WAT.DIS FET LAB CACO3 (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, TOTAL (MG/L AS N) (00605)	NITRO- GEN, TOTAL (MG/L AS N) (00600)
SEP 2000														
29...	3	15.0	18.0	64	.090	.44	.62	--	1.90	<.010	.35	.53	2.5	
DEC														
11...	4	17.0	22.0	73	.060	.20	.33	--	2.00	<.010	.14	.27	2.3	
JAN 2001														
18...	10	20.0	23.0	79	.029	.69	.83	.760	.770	.010	.66	.80	1.6	
FEB														
06...	10	17.0	20.0	76	.137	.38	.47	--	1.70	<.010	.24	.33	2.2	
26...	6	17.0	20.0	75	.068	.34	.58	--	2.30	<.010	.27	.51	2.9	
APR														
02...	5	16.0	17.0	78	.040	.28	.43	--	4.20	<.010	.24	.39	4.6	
JUN														
11...	9	18.0	14.0	71	.316	.89	.99	1.99	2.00	.010	.57	.67	3.0	
JUL														
09...	6	20.0	15.0	81	.088	.36	.44	--	3.60	<.010	.27	.35	4.0	
AUG														
15...	7	17.0	15.0	68	.070	.40	.60	--	2.20	<.010	.33	.53	2.8	

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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)
SEP 2000						
29...	<.020	<.010	.060	3.2	100	16.0
DEC						
11...	<.020	.010	<.020	2.6	40	20.0
JAN 2001						
18...	<.020	<.010	.030	2.8	40	24.0
FEB						
06...	<.020	<.010	.030	2.5	50	17.0
26...	<.020	<.010	.030	2.6	50	26.0
APR						
02...	<.020	<.010	.020	3.1	60	19.0
JUN						
11...	<.020	.010	.070	5.1	80	18.0
JUL						
09...	<.020	<.010	<.020	4.4	40	20.0
AUG						
15...	<.020	<.010	.030	4.4	50	24.0