

353212077392801 DRAINAGE DITCH (SR3-D1) TO SANDY RUN NEAR CASTORIA, NC

LOCATION.--Lat 35°32'11.7", long 77°39'28.3", North American Datum of 1983, Greene County, Hydrologic Unit 03020203, approximately 0.2 mi south of State Road 1324 and approximately 1 mi east-northeast of Castoria.

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)
SEP 2000													
26...	1500	85.3	7.7	87	5.5	167	20.9	42	49	14.0	3.50	9.50	2.6
OCT													
23...	1730	E2.0	8.7	88	5.8	176	16.6	48	54	15.0	4.00	6.40	4.0
NOV													
13...	1200	E.05	11.2	103	6.3	178	11.4	47	54	15.0	4.10	5.90	4.0
DEC													
12...	1630	7.8	8.6	77	5.8	210	10.7	62	67	19.0	4.80	7.40	4.3
JAN 2001													
17...	1245	E2.8	12.5	111	5.7	183	10.5	54	60	17.0	4.30	5.20	4.0
FEB													
05...	1405	E3.2	11.8	112	6.5	149	12.9	38	46	13.0	3.20	5.80	3.5
27...	1600	10.4	10.7	105	5.9	198	14.7	58	66	19.0	4.40	6.10	4.3
APR													
03...	1300	22.6	10.5	98	5.8	193	12.7	56	63	18.0	4.40	6.10	4.1
MAY													
03...	1415	E1.5	7.6	99	6.4	173	29.5	47	53	15.0	3.80	5.60	3.9
JUN													
11...	1035	E4.1	7.1	81	6.0	186	21.3	51	60	17.0	4.20	5.20	4.2
JUL													
10...	1325	E1.8	6.6	87	6.2	166	29.2	42	53	15.0	3.80	6.20	3.9
AUG													
14...	1320	17.4	6.8	85	6.1	100	26.2	19	32	9.30	2.10	5.80	1.7

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, TOTAL (MG/L AS N) (00600)
SEP 2000													
26...	8	24.0	13.0	88	.030	.50	.79	--	3.70	<.010	.47	.76	4.5
OCT													
23...	6	25.0	14.0	89	<.010	.37	.41	--	3.90	<.010	--	--	4.3
NOV													
13...	7	25.0	15.0	93	.050	.26	.31	--	4.40	<.010	.21	.26	4.7
DEC													
12...	6	34.0	20.0	112	.030	.38	.36	--	4.20	<.010	.35	.33	4.6
JAN 2001													
17...	6	27.0	17.0	99	.012	.30	<.20	--	4.70	<.010	.29	--	--
FEB													
05...	8	20.0	15.0	79	.018	.26	.46	--	3.10	<.010	.24	.44	3.6
27...	8	30.0	18.0	106	.010	.36	.35	--	4.40	<.010	.35	.34	4.8
APR													
03...	7	27.0	16.0	104	.034	.37	.57	--	5.40	<.010	.34	.54	6.0
MAY													
03...	6	28.0	14.0	86	.314	.79	1.0	2.55	2.60	.050	.48	.69	3.6
JUN													
11...	9	30.0	13.0	94	.020	.32	.38	--	3.30	<.010	.30	.36	3.7
JUL													
10...	11	27.0	11.0	82	.026	.36	.42	--	2.00	<.010	.33	.39	2.4
AUG													
14...	13	10.0	11.0	52	.020	.80	1.2	--	.830	<.010	.78	1.2	2.0

## NEUSE RIVER BASIN

353212077392801 DRAINAGE DITCH (SR3-D1) TO SANDY RUN NEAR CASTORIA, NC--Continued

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						
26...	<.020	.010	.060	4.4	120	43.0
OCT						
23...	<.020	<.010	<.020	3.5	10	48.0
NOV						
13...	<.020	.010	.020	2.6	10	25.0
DEC						
12...	<.020	<.010	<.020	2.7	40	52.0
JAN 2001						
17...	<.020	<.010	<.020	1.8	M	62.0
FEB						
05...	<.020	<.010	<.020	3.9	20	27.0
27...	<.020	<.010	<.020	2.8	20	46.0
APR						
03...	<.020	<.010	<.020	3.1	40	41.0
MAY						
03...	<.020	<.010	.040	3.6	40	20.0
JUN						
11...	<.020	<.010	<.020	3.2	20	36.0
JUL						
10...	<.020	<.010	<.020	4.4	20	7.6
AUG						
14...	.020	.020	.100	9.0	200	19.0