

NEUSE RIVER BASIN

0208923650 UNNAMED TRIBUTARY (BC1-D2) TO BEAR CREEK NEAR SHADETOWN, NC

LOCATION.--Lat 35°20'52.6", long 77°48'29.8", North American Datum of 1983, Lenoir County, Hydrologic Unit 03020202, at State Road 1501 and 0.35 mi west of Shadetown.

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, DIS- SOLVED 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 DISSOLV 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)
AUG 2000													
29...	1015	103	5.4	61	5.6	111	20.5	22	31	7.40	3.10	3.20	5.1
SEP													
25...	1635	1180	6.3	74	5.1	175	22.2	47	51	13.0	4.40	4.10	4.8
OCT													
23...	1400	175	8.1	83	5.4	128	17.3	31	36	8.90	3.40	3.50	5.4
NOV													
14...	1100	148	6.8	66	5.8	125	14.1	24	31	7.30	3.20	6.10	5.1
DEC													
13...	0930	323	10.6	86	5.6	154	7.1	46	50	13.0	4.30	3.10	4.9
JAN 2001													
16...	1405	117	11.2	109	5.6	122	14.2	28	34	8.70	3.10	2.90	5.2
FEB													
07...	0850	112	9.0	72	5.4	121	6.2	29	36	8.90	3.30	3.30	5.2
28...	0950	175	8.6	78	5.2	135	11.2	30	40	10.0	3.60	3.20	5.3
APR													
04...	0915	330	9.4	85	5.3	152	11.1	41	47	12.0	4.20	2.90	5.2
MAY													
03...	1040	89.8	7.6	76	5.7	115	15.9	25	33	7.70	3.30	2.60	5.5
JUN													
12...	1400	85.3	8.6	104	5.7	112	24.2	24	32	7.50	3.30	2.10	5.4
JUL													
11...	1210	162	6.1	71	5.9	126	22.8	28	37	9.30	3.40	2.50	5.6
AUG													
16...	1210	157	5.0	57	5.5	119	21.2	26	37	9.40	3.20	2.30	5.1
DATE	ALKA- LITY 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, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, TOTAL (MG/L AS N) (00600)
AUG 2000													
29...	9	10.0	17.0	59	.050	.21	.22	1.79	1.80	.010	.16	.17	2.0
SEP													
25...	3	15.0	16.0	97	.070	.39	.34	--	8.40	<.010	.32	.27	8.7
OCT													
23...	6	12.0	17.0	70	.010	.24	.28	--	3.60	<.010	.23	.27	3.9
NOV													
14...	8	12.0	17.0	67	.090	.40	.47	2.49	2.50	.010	.31	.38	3.0
DEC													
13...	4	15.0	16.0	87	.040	<.20	<.20	--	6.20	<.010	--	--	--
JAN 2001													
16...	6	12.0	18.0	66	.027	<.20	<.20	--	2.70	<.010	--	--	--
FEB													
07...	7	11.0	19.0	66	.044	.23	.20	--	2.40	<.010	.19	.16	2.6
28...	9	13.0	18.0	75	.134	.39	.34	3.49	3.50	.010	.26	.21	3.8
APR													
04...	6	14.0	16.0	87	.076	.32	.36	--	6.40	<.010	.24	.28	6.8
MAY													
03...	8	11.0	16.0	63	.116	.30	.43	--	2.60	<.010	.18	.31	3.0
JUN													
12...	9	11.0	15.0	58	.036	.25	.28	--	1.80	<.010	.21	.24	2.1
JUL													
11...	9	13.0	15.0	66	.048	<.20	.21	--	2.70	<.010	--	.16	2.9
AUG													
16...	11	12.0	17.0	63	.036	<.20	<.20	--	1.70	<.010	--	--	--

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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)
AUG 2000						
29...	.030	.020	.090	2.7	180	26.0
SEP						
25...	<.020	.020	.040	2.8	50	51.0
OCT						
23...	<.020	<.010	.040	3.3	90	40.0
NOV						
14...	.070	.060	.120	2.9	200	46.0
DEC						
13...	<.020	<.010	.050	2.4	130	54.0
JAN 2001						
16...	<.020	<.010	.060	1.5	180	43.0
FEB						
07...	<.020	.020	<.020	1.4	240	44.0
28...	<.020	.020	.040	1.6	160	43.0
APR						
04...	<.020	.010	.040	2.3	170	54.0
MAY						
03...	<.020	<.010	.090	1.6	130	43.0
JUN						
12...	<.020	.040	.060	1.1	80	35.0
JUL						
11...	.020	.010	.050	2.8	100	23.0
AUG						
16...	.020	.010	.040	2.3	90	19.0