

NEUSE RIVER BASIN

0208925200 BEAR CREEK AT MAY'S STORE, NC-- Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1994-96, 2000 to current year.

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	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE 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) 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...	1545	42	6.6	75	5.7	94	21.7	17	24	5.30	2.60	3.50	4.7
SEP 25...	1225	158	6.5	76	5.7	114	22.4	20	28	6.90	2.70	5.20	4.7
OCT 23...	1045	32	8.8	88	5.8	103	16.0	21	28	6.40	2.80	3.50	5.0
NOV 14...	1230	29	8.5	83	5.9	108	13.9	19	27	6.00	2.80	3.90	4.7
DEC 13...	1300	35	10.2	87	5.9	112	9.5	25	31	7.40	3.10	3.90	5.1
JAN 2001													
16...	1000	30	9.1	83	5.7	104	11.7	19	27	6.50	2.70	3.30	5.1
FEB 07...	1230	36	10.3	89	5.8	102	9.4	20	28	6.50	2.80	3.50	5.3
28...	1315	51	9.1	85	5.6	108	12.6	20	28	6.60	2.80	3.60	5.4
APR 04...	1215	74	9.2	85	5.8	110	12.4	21	29	7.10	2.80	3.70	5.5
MAY 03...	0945	22	8.0	82	5.7	100	16.9	21	27	6.20	2.80	2.80	5.1
JUN 12...	1600	20	7.3	85	5.9	104	22.6	21	28	6.40	2.90	3.30	4.9
JUL 11...	1400	29	7.1	86	6.3	108	24.2	21	29	6.70	2.90	3.60	4.9
AUG 16...	1030	60	6.6	77	5.7	99	22.6	16	27	6.50	2.60	4.00	5.0

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, ORGANIC TOTAL (MG/L) AS N (00605)	NITRO-GEN, TOTAL (MG/L) AS N (00600)
AUG 2000													
29...	7	8.2	13.0	50	.070	.44	.49	1.89	1.90	.010	.37	.42	2.4
SEP 25...	8	10.0	13.0	59	.090	.72	1.2	2.59	2.60	.010	.63	1.1	3.8
OCT 23...	6	9.3	14.0	56	.020	.37	<.64	--	2.60	<.010	.35	--	--
NOV 14...	8	9.2	14.0	58	.070	.38	.48	--	2.80	<.010	.31	.41	3.3
DEC 13...	6	11.0	15.0	63	.065	<.20	.59	--	2.90	<.010	--	.52	3.5
JAN 2001													
16...	8	10.0	14.0	57	.036	<.20	.22	--	2.30	<.010	--	.18	2.5
FEB 07...	8	10.0	13.0	55	.047	.25	.34	--	2.10	<.010	.20	.29	2.4
28...	8	11.0	13.0	59	.099	.49	.56	--	2.60	<.010	.39	.46	3.2
APR 04...	8	11.0	12.0	61	.064	.48	.64	--	2.90	<.010	.42	.58	3.5
MAY 03...	6	9.1	14.0	56	.072	.34	.36	--	2.70	<.010	.27	.29	3.1
JUN 12...	7	9.4	13.0	58	.112	.34	.44	--	3.00	<.010	.23	.33	3.4
JUL 11...	7	9.3	13.0	57	.064	.33	.43	--	2.70	<.010	.27	.37	3.1
AUG 16...	11	9.7	11.0	54	.112	.57	.81	--	1.80	<.010	.46	.70	2.6

0208925200 BEAR CREEK AT MAY'S STORE, NC-- Continued--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)
AUG 2000						
29...	.030	.010	.120	5.9	220	32.0
SEP						
25...	.070	.070	.240	8.3	320	37.0
OCT						
23...	<.020	<.010	.120	2.8	70	38.0
NOV						
14...	<.020	.020	.060	2.1	110	39.0
DEC						
13...	<.020	<.010	.060	3.0	180	40.0
JAN 2001						
16...	<.020	<.010	.050	2.5	130	36.0
FEB						
07...	<.020	.020	.050	3.3	120	33.0
28...	<.020	<.010	.070	2.4	170	36.0
APR						
04...	<.020	.030	.100	4.4	280	35.0
MAY						
03...	<.020	<.010	.050	3.2	100	32.0
JUN						
12...	<.020	.040	.090	2.3	60	45.0
JUL						
11...	.030	.010	.100	4.8	110	36.0
AUG						
16...	.050	.050	.170	6.5	440	32.0