

NEUSE RIVER BASIN

02091717 SANDY RUN HEADWATER (SR2-D1) ABOVE STATE ROAD 1312 NEAR WALSTONBURG, NC

LOCATION.--Lat 35°33'58.0", long 77°41'20.4", North American Datum of 1983, Greene County, Hydrologic Unit 03020203, above State Road 1312 and approximately 2 mi south-southeast of Walstonburg.

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)	
AUG 2000	28...	1445	<.01	4.7	57	6.3	110	24.4	13	31	7.50	3.00	5.60	4.5
SEP	26...	1325	E117	7.8	86	4.7	180	20.1	44	46	11.0	4.60	8.40	4.9
OCT	24...	1200	1.1	6.4	61	6.1	164	13.4	31	49	12.0	4.50	9.40	4.4
NOV	13...	1040	<.01	7.7	68	6.3	158	10.1	22	44	11.0	4.10	11.0	4.2
DEC	12...	1505	13.6	11.8	113	5.6	183	13.8	48	51	12.0	5.20	6.40	6.4
JAN 2001	18...	1115	E.05	8.8	74	5.6	165	8.2	40	49	12.0	4.70	5.40	6.0
FEB	05...	1155	8.5	13.5	116	6.1	126	8.6	26	36	9.10	3.20	5.00	4.9
	27...	1310	21.7	13.5	134	5.2	171	15.6	45	47	11.0	4.80	5.70	6.8
MAR	05...	1330	87.6	11.8	108	5.2	168	11.0	42	46	10.0	5.00	6.10	7.0
APR	02...	1505	458	9.0	87	4.7	103	14.0	24	27	5.90	2.90	3.50	4.3
MAY	03...	1610	E.05	10.1	122	5.9	165	25.3	40	47	11.0	4.70	6.10	5.0
JUN	12...	1100	9.2	8.0	93	5.7	191	22.5	48	55	13.0	5.50	7.30	5.8
JUL	11...	1035	E2.2	3.9	47	6.4	172	23.6	32	51	12.0	5.20	8.40	4.6
AUG	14...	1110	E3.7	4.7	56	6.1	92	23.7	4	32	9.70	1.90	6.90	2.6

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, ORGANIC TOTAL (MG/L AS N) (00600)	
AUG 2000	28...	18	14.0	9.2	55	.100	.72	1.0	--	.050	<.010	.62	.90	1.1
SEP	26...	3	24.0	14.0	91	.080	.56	.65	5.09	5.10	.010	.48	.57	5.8
OCT	24...	18	25.0	13.0	85	.070	.36	.41	1.38	1.40	.020	.29	.34	1.8
NOV	13...	22	23.0	11.0	78	.050	.57	.69	--	.060	<.010	.52	.64	.75
DEC	12...	4	27.0	14.0	99	.010	.34	.38	--	5.90	<.010	.33	.37	6.3
JAN 2001	18...	9	23.0	12.0	88	.014	.38	.50	4.28	4.30	.020	.37	.49	4.8
FEB	05...	10	16.0	10.0	68	.018	.38	.66	--	3.00	<.010	.36	.64	3.7
	27...	3	26.0	12.0	90	.015	.32	.47	--	4.90	<.010	.30	.45	5.4
MAR	05...	4	24.0	13.0	90	<.010	.41	.58	--	5.20	<.010	--	--	5.8
APR	02...	3	12.0	11.0	53	.018	.56	.72	--	2.50	<.010	.54	.70	3.2
MAY	03...	7	25.0	11.0	83	.202	.45	.79	3.59	3.60	.010	.25	.59	4.4
JUN	12...	7	28.0	11.0	101	.128	.46	.50	5.69	5.70	.010	.33	.37	6.2
JUL	11...	19	27.0	9.6	83	.175	.52	.80	.910	.920	.010	.35	.62	1.7
AUG	14...	28	7.4	5.1	52	.100	1.0	1.4	--	.210	<.010	.90	1.3	1.6

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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						
28...	.020	.010	.100	7.6	180	20.0
SEP						
26...	<.020	<.010	.060	5.2	110	32.0
OCT						
24...	<.020	<.010	.040	3.6	50	10.0
NOV						
13...	<.020	.020	.040	6.2	120	10.0
DEC						
12...	<.020	.010	.020	3.2	40	34.0
JAN 2001						
18...	<.020	<.010	.030	2.4	30	34.0
FEB						
05...	<.020	.020	.040	3.9	50	18.0
27...	<.020	<.010	<.020	3.4	60	33.0
MAR						
05...	<.020	.010	<.020	6.9	70	30.0
APR						
02...	<.020	.020	.020	12	150	33.0
MAY						
03...	<.020	<.010	.040	3.6	40	32.0
JUN						
12...	<.020	.030	.020	2.1	30	34.0
JUL						
11...	<.020	<.010	.050	5.8	40	19.0
AUG						
14...	.210	.200	.300	12	220	7.6