480 NEUSE RIVER BASIN

0209173150 UNNAMED TRIBUTARY TO SANDY RUN AT SECONDARY ROAD 1335 NEAR LIZZIE, NC

LOCATION.--Lat 35°31′03", long 77°33′52", Greene County, Hydrologic Unit 03020203, at Secondary Road 1335, approximately 6.0 mi south of Farmville.

DRAINAGE AREA.--0.34 mi^2

PERIOD OF RECORD.--Water years 1999 to current year.

REMARKS.--Station operated in cooperation with the U.S. Environmental Protection Agency and the North Carolina Department of Environment and Natural Resources as part of a long-term project to develop a multimedia integrated modeling system (MIMS).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER - ATURE WATER (DEG C) (00010)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	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)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)
OCT													
25 NOV	1145			5.4	13.9	765	3.8		69	21.0	4.10	7.4	18
14 DEC	1230		211	5.5	12.8		1.2		60	18.0	3.60	6.1	17
12	1030	.17	210	5.3	10.6	767	5.1	46	72	20.0	5.30	10.0	21
JAN 17	1330		199	5.2	7.9	773	4.2	34	64	19.0	4.00	7.7	20
FEB 06	1415	.09	168	5.4	6.7	769	7.1	57	62	18.0	4.10	9.1	23
28 APR	1045	E.20	146	5.2	9.9	768	6.9	61	56	16.0	4.00	8.7	23
04 MAY	1730		113	5.0	12.6	772	6.7	62	47	13.0	3.50	7.3	24
07 JUN	1400	<.10	215	5.4	16.0	776	4.3	42	70	20.0	4.80	7.4	18
12	1100	<.10	221	6.8	21.8	764	2.5	28	71	20.0	5.10	7.1	17
JUL 11	1035	<.10	238	5.6	23.5	760	.4	4	64	17.0	5.30	13.0	27
AUG 15	1215		288	5.0	23.7	766	3.9	46	59	16.0	4.60	11.0	25
SEP 26	1020	<.01	250	5.1	18.0	769	2.5	26	79	23.0	5.30	6.6	14
DATE	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT	AD- SORP- TION RATIO	SIUM, DIS- SOLVED (MG/L AS K) (00935)	DIS- SOLVED (MG/L AS SO4) (00945)	RIDE, DIS- SOLVED (MG/L AS CL) (00940)	RIDE, DIS- SOLVED (MG/L AS F) (00950)	DIS- SOLVED (MG/L AS SIO2) (00955)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	GEN, AMMONIA DIS- SOLVED (MG/L AS N)	GEN, ORGANIC TOTAL (MG/L AS N) (00605)
	AD- SORP- TION RATIO	SIUM, DIS- SOLVED (MG/L AS K)	DIS- SOLVED (MG/L AS SO4)	RIDE, DIS- SOLVED (MG/L AS CL)	RIDE, DIS- SOLVED (MG/L AS F)	DIS- SOLVED (MG/L AS SIO2)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	GEN, NITRATE DIS- SOLVED (MG/L AS N)	GEN, NITRITE DIS- SOLVED (MG/L AS N)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	GEN, AMMONIA DIS- SOLVED (MG/L AS N)	GEN, ORGANIC TOTAL (MG/L AS N)
OCT 25 NOV 14	AD- SORP- TION RATIO (00931)	SIUM, DIS- SOLVED (MG/L AS K) (00935)	DIS- SOLVED (MG/L AS SO4) (00945)	RIDE, DIS- SOLVED (MG/L AS CL) (00940)	RIDE, DIS- SOLVED (MG/L AS F) (00950)	DIS- SOLVED (MG/L AS SIO2) (00955)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	GEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT 25 NOV 14 DEC 12	AD- SORP- TION RATIO (00931)	SIUM, DIS- SOLVED (MG/L AS K) (00935)	DIS- SOLVED (MG/L AS SO4) (00945)	RIDE, DIS- SOLVED (MG/L AS CL) (00940)	RIDE, DIS- SOLVED (MG/L AS F) (00950)	DIS- SOLVED (MG/L AS SIO2) (00955)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	GEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT 25 NOV 14 DEC 12 JAN 17	AD- SORP- TION RATIO (00931)	SIUM, DIS- SOLVED (MG/L AS K) (00935) 4.50	DIS- SOLVED (MG/L AS SO4) (00945)	RIDE, DIS- SOLVED (MG/L AS CL) (00940) 33.0	RIDE, DIS- SOLVED (MG/L AS F) (00950)	DIS- SOLVED (MG/L AS SIO2) (00955) 11.0 9.0	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618) 3.27	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	GEN, ORGANIC TOTAL (MG/L AS N) (00605)
OCT 25 NOV 14 DEC 12 JAN	AD- SORP- TION RATIO (00931) .4 .3	SIUM, DIS- SOLVED (MG/L AS K) (00935) 4.50 5.60 7.30	DIS- SOLVED (MG/L AS SO4) (00945) 19.0 16.0	RIDE, DIS- SOLVED (MG/L AS CL) (00940) 33.0 29.0	RIDE, DIS- SOLVED (MG/L AS F) (00950)	DIS- SOLVED (MG/L AS SIO2) (00955) 11.0 9.0	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 149 130	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301) 122 106	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618) 3.27 2.35	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) .030 .050	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) 3.30 2.40 8.60 3.80 4.40	GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608) .110 .146	GEN, ORGANIC TOTAL (MG/L AS N) (00605) .57 .83
OCT 25 NOV 14 DEC 12 JAN 17 FEB 06	AD- SORP- TION RATIO (00931) .4 .3 .5	SIUM, DIS- SOLVED (MG/L AS K) (00935) 4.50 5.60 7.30 3.10	DIS- SOLVED (MG/L AS SO4) (00945) 19.0 16.0 18.0 21.0	RIDE, DIS- SOLVED (MG/L AS CL) (00940) 33.0 29.0 37.0	RIDE, DIS- SOLVED (MG/L AS F) (00950)	DIS- SOLVED (MG/L AS SIO2) (00955) 11.0 9.0 8.2 9.2	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 149 130 161	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301) 122 106 147	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618) 3.27 2.35	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) .030 .050 <.010	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) 3.30 2.40 8.60 3.80	GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608) .110 .146 .030	GEN, ORGANIC TOTAL (MG/L AS N) (00605) .57 .83 .71
OCT 25 NOV 14 DEC 12 JAN 17 FEB 06 28 APR 04	AD- SORP- TION RATIO (00931) .4 .3 .5	SIUM, DIS- SOLVED (MG/L AS K) (00935) 4.50 5.60 7.30 3.10 3.50	DIS- SOLVED (MG/L AS SO4) (00945) 19.0 16.0 18.0 21.0	RIDE, DIS- SOLVED (MG/L AS CL) (00940) 33.0 29.0 37.0 32.0	RIDE, DIS- SOLVED (MG/L AS F) (00950)	DIS- SOLVED (MG/L AS SIO2) (00955) 11.0 9.0 8.2 9.2 8.7	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 149 130 161 146	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301) 122 106 147 119 116	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618) 3.27 2.35 3.79	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) .030 .050 <.010 .010	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) 3.30 2.40 8.60 3.80 4.40	GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608) .110 .146 .030 .026	GEN, ORGANIC TOTAL (MG/L AS N) (00605) .57 .83 .71 .73
OCT 25 NOV 14 DEC 12 JAN 17 FEB 06 28 APR 04 MAY 07	AD- SORP- TION RATIO (00931) .4 .3 .5 .4	SIUM, DIS- SOLVED (MG/L AS K) (00935) 4.50 5.60 7.30 3.10 3.50 4.20	DIS- SOLVED (MG/L AS SO4) (00945) 19.0 16.0 18.0 21.0 19.0 17.0	RIDE, DIS- SOLVED (MG/L AS CL) (00940) 33.0 29.0 37.0 32.0	RIDE, DIS- SOLVED (MG/L AS F) (00950)	DIS- SOLVED (MG/L AS SIO2) (00955) 11.0 9.0 8.2 9.2 8.7 7.5	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 149 130 161 146 160 143	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301) 122 106 147 119 116 114	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618) 3.27 2.35 3.79	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) .030 .050 <.010 .010 <.010	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) 3.30 2.40 8.60 3.80 4.40 5.60	GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608) .110 .146 .030 .026 .025 .044	GEN, ORGANIC TOTAL (MG/L AS N) (00605) .57 .83 .71 .73
OCT 25 NOV 14 DEC 12 JAN 17 FEB 06 28 APR 04 MAY 07 JUN 12	AD- SORP- TION RATIO (00931) .4 .3 .5 .4 .5 .5	SIUM, DIS- SOLVED (MG/L AS K) (00935) 4.50 5.60 7.30 3.10 3.50 4.20 3.60	DIS- SOLVED (MG/L AS SO4) (00945) 19.0 16.0 18.0 21.0 19.0 17.0	RIDE, DIS- SOLVED (MG/L AS CL) (00940) 33.0 29.0 37.0 32.0 30.0 28.0 23.0	RIDE, DIS- SOLVED (MG/L AS F) (00950) .2 .2 .2 .2	DIS- SOLVED (MG/L AS SIO2) (00955) 11.0 9.0 8.2 9.2 8.7 7.5	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 149 130 161 146 160 143 120	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301) 122 106 147 119 116 114 97	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618) 3.27 2.35 3.79	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) .030 .050 <.010 .010 <.010 <.010	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) 3.30 2.40 8.60 3.80 4.40 5.60 5.30	GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608) .110 .146 .030 .026 .025 .044 .039	GEN, ORGANIC TOTAL (MG/L AS N) (00605) .57 .83 .71 .73 .29 .65
OCT 25 NOV 14 DEC 12 JAN 17 FEB 06 28 APR 04 MAY 07 JUN 12 JUL 11	AD-SORP-TION RATIO (00931) .4 .3 .5 .4 .5 .4	SIUM, DIS- SOLVED (MG/L AS K) (00935) 4.50 5.60 7.30 3.10 3.50 4.20 3.60 3.30	DIS- SOLVED (MG/L AS SO4) (00945) 19.0 16.0 18.0 21.0 19.0 17.0 13.0	RIDE, DIS- SOLVED (MG/L AS CL) (00940) 33.0 29.0 37.0 32.0 30.0 28.0 23.0	RIDE, DIS- SOLVED (MG/L AS F) (00950) .2 .2 .2 .2 .2	DIS- SOLVED (MG/L AS SIO2) (00955) 11.0 9.0 8.2 9.2 8.7 7.5 6.7 8.9	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 149 130 161 146 160 143 120	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301) 122 106 147 119 116 114 97	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618) 3.27 2.35 3.79 4.69	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) .030 .050 <.010 .010 <.010 <.010 <.010	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) 3.30 2.40 8.60 3.80 4.40 5.60 5.30 4.70	GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608) .110 .146 .030 .026 .025 .044 .039 .158	GEN, ORGANIC TOTAL (MG/L AS N) (00605) .57 .83 .71 .73 .29 .65 .56
OCT 25 NOV 14 DEC 12 JAN 17 FEB 06 28 APR 04 MAY 07 JUN 12 JUL	AD- SORP- TION RATIO (00931) .4 .3 .5 .4 .5 .5 .5	SIUM, DIS- SOLVED (MG/L AS K) (00935) 4.50 5.60 7.30 3.10 3.50 4.20 3.60 3.30	DIS- SOLVED (MG/L AS SO4) (00945) 19.0 16.0 18.0 21.0 19.0 17.0 13.0 15.0	RIDE, DIS- SOLVED (MG/L AS CL) (00940) 33.0 29.0 37.0 32.0 30.0 28.0 23.0 34.0	RIDE, DIS- SOLVED (MG/L AS F) (00950) .2 .2 .2 .2 .2	DIS- SOLVED (MG/L AS SIO2) (00955) 11.0 9.0 8.2 9.2 8.7 7.5 6.7 8.9	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 149 130 161 146 160 143 120 146	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301) 122 106 147 119 116 114 97 122 125	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618) 3.27 2.35 3.79 4.69 6.78	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) .030 .050 <.010 .010 <.010 <.010 .010 .010	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) 3.30 2.40 8.60 3.80 4.40 5.60 5.30 4.70 6.80	GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608) .110 .146 .030 .026 .025 .044 .039 .158 .138	GEN, ORGANIC TOTAL (MG/L AS N) (00605) .57 .83 .71 .73 .29 .65 .56

NEUSE RIVER BASIN 481

0209173150 UNNAMED TRIBUTARY TO SANDY RUN AT SECONDARY ROAD 1335 NEAR LIZZIE, NC--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)
OCT											
25	.18	.68	.29	4.0	3.6	.150	.030	<.010	460	89.0	2.0
NOV											
14	.43	.98	.58	3.4	3.0	.280	.120	.100	220	76.0	15
DEC											
12	.57	.74	.60	9.3	9.2	.040	<.020	.020	120	61.0	4.3
JAN		П.С	0.0	4.6		100	000	010	000	F0 0	0 0
17 FEB		.76	<.20	4.6		.180	<.020	<.010	280	59.0	2.9
06		.32	<.20	4.7		.050	<.020	<.010	180	49.0	3.0
28	.38	.69	.42	6.3	6.0	<.020	<.020	<.010	210	45.0	5.5
APR	.50	.05	. 12	0.5	0.0	<.020	<.020	<.010	210	45.0	5.5
04	.48	.60	.52	5.9	5.8	<.020	<.020	.020	300	37.0	8.3
MAY			.52	3.5	5.0	1.020	1.020	.020	500	37.0	0.5
07	.35	.72	.51	5.4	5.2	.110	<.020	<.010	440	69.0	5.2
JUN											
12	.44	1.1	.58	7.9	7.4	.070	<.020	<.010	170	54.0	2.8
JUL											
11	.44	1.0	.65	5.6	5.2	.080	<.020	<.010	220	43.0	7.3
AUG											
15	1.2	1.7	1.2	8.7	8.2	.080	.020	.020	440	43.0	13
SEP											
26	.43	.70	.50	8.0	7.8	.070	<.020	<.010	350	65.0	3.8