424 NEUSE RIVER BASIN

0209173190 UNNAMED TRIBUTARY TO SANDY RUN NEAR LIZZIE, NC--Continued

WATER-QUALITY RECORDS

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 2001 TO SEPTEMBER 2002

Date	Time	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (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)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT													
30	1035		777	.4	5	5.0	201	18.5	44.0	6.50	6.80	1.80	E2.0
NOV 19 DEC	1400		769	.2	2	5.6	235	10.4	47.0	6.6	4.6	2.14	2.6
19 JAN	1200		765	.9	8	5.5	220	9.7	43.5	6.1	3.9	2.25	3.1
22	1215		777	8.6	70	5.3	255	6.9	36.2	6.1	14.8	.48	1.1
FEB 21 MAR	1210		763	7.5	64	5.2	247	8.5	36.4	6.8	14.4	.85	1.3
25	1415		769	7.0	65	5.3	219	12.6	34.9	5.9	12.4	.90	1.4
APR 09	0950		774	4.4	41	5.1	177	12.6	25.5	6.3	11.0	.64	1.3
MAY 09	1100		769	1.2	13	5.7	333	18.9	37.7	7.3	7.5	6.20	7.5
JUN 27	1415	. 0	765	. 4	4	6.4	300	24.2	39.4	4.6	2.5	3.96	5.4
JUL 24	1400	.0	767	2.8	36	7.1	337	27.9	34.9	3.5	3.7	1.76	5.6
Date	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	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)	PHOS- PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)
OCT	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	GEN DIS- SOLVED (MG/L AS N) (00602)	GEN, NITRATE DIS- SOLVED (MG/L AS N)	GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	GEN, ORGANIC TOTAL (MG/L AS N)	GEN, TOTAL (MG/L AS N)	PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4)	PHORUS DIS- SOLVED (MG/L AS P) (00666)
OCT 30 NOV	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	GEN DIS- SOLVED (MG/L AS N) (00602)	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	GEN, ORGANIC TOTAL (MG/L AS N) (00605)	GEN, TOTAL (MG/L AS N) (00600)	PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHORUS DIS- SOLVED (MG/L AS P) (00666)
OCT 30 NOV 19 DEC	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) E2.7	GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846) 2.32 2.76	GEN DIS- SOLVED (MG/L AS N) (00602)	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) <.02	GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) <.010	GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	GEN, ORGANIC TOTAL (MG/L AS N) (00605)	GEN, TOTAL (MG/L AS N) (00600)	PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHORUS DIS- SOLVED (MG/L AS P) (00666)
OCT 30 NOV 19	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846)	GEN DIS- SOLVED (MG/L AS N) (00602)	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	GEN, ORGANIC TOTAL (MG/L AS N) (00605)	GEN, TOTAL (MG/L AS N) (00600)	PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHORUS DIS- SOLVED (MG/L AS P) (00666)
OCT 30 NOV 19 DEC 19 JAN 22	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) E2.7	GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846) 2.32 2.76	GEN DIS- SOLVED (MG/L AS N) (00602)	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) <.02	GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) <.010	GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	GEN, ORGANIC TOTAL (MG/L AS N) (00605)	GEN, TOTAL (MG/L AS N) (00600)	PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHORUS DIS- SOLVED (MG/L AS P) (00666)
OCT 30 NOV 19 DEC 19 JAN 22 FEB 21	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) E2.7 2.9 3.4	GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846) 2.32 2.76 2.90	GEN DIS- SOLVED (MG/L AS N) (00602)	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) <.02 <.05 <.05	GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) <.010 <.008	GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)46	GEN, ORGANIC TOTAL (MG/L AS N) (00605)	GEN, TOTAL (MG/L AS N) (00600)	PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHORUS DIS- SOLVED (MG/L AS P) (00666) <.02 .012
OCT 30 NOV 19 DEC 19 JAN 22 FEB 21 MAR 25	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) E2.7 2.9 3.4 1.3	GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846) 2.32 2.76 2.90 .62	GEN DIS- SOLVED (MG/L AS N) (00602)	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) <.02 <.05 <.05 8.13	GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) <.010 <.008 <.008 <.040	GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	GEN, ORGANIC TOTAL (MG/L AS N) (00605) .80 1.2	GEN, TOTAL (MG/L AS N) (00600)	PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHORUS DIS- SOLVED (MG/L AS P) (00666) <.02 .012 .039
OCT 30 NOV 19 DEC 19 JAN 22 FEB 21 MAR 25 APR 09	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) E2.7 2.9 3.4 1.3 1.7	GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846) 2.32 2.76 2.90 .62 1.09	GEN DIS- SOLVED (MG/L AS N) (00602) 9.3	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618)	GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851) 30.0	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) <.02 <.05 <.05 8.13 6.83	GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) <.010 <.008 <.008 <.040 .046	GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607) .46 .82 .64	GEN, ORGANIC TOTAL (MG/L AS N) (00605) .80 1.2 .86	GEN, TOTAL (MG/L AS N) (00600)	PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)	PHORUS DIS- SOLVED (MG/L AS P) (00666) <.02 .012 .039 .023
OCT 30 NOV 19 DEC 19 JAN 22 FEB 21 MAR 25 APR 09 MAY 09	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) E2.7 2.9 3.4 1.3 1.7	GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846) 2.32 2.76 2.90 .62 1.09 1.16	GEN DIS- SOLVED (MG/L AS N) (00602) 9.3 8.2 5.6	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618) 6.78 4.18	GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851) 30.0	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) <.02 <.05 <.05 8.13 6.83 4.23	GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856)151	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) <.010 <.008 <.008 <.040 .046 .050	GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607) 46 .82 .64 .49 .47	GEN, ORGANIC TOTAL (MG/L AS N) (00605) .80 1.2 .86 .84	GEN, TOTAL (MG/L AS N) (00600)	PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660)074	PHORUS DIS- SOLVED (MG/L AS P) (00666) <.02 .012 .039 .023 .010 .016
OCT 30 NOV 19 DEC 19 JAN 22 FEB 21 MAR 25 APR 09	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) E2.7 2.9 3.4 1.3 1.7 1.6 1.8	GEN, AMMONIA DIS- SOLVED (MG/L AS NH4) (71846) 2.32 2.76 2.90 .62 1.09 1.16 .82	GEN DIS- SOLVED (MG/L AS N) (00602) 9.3 8.2 5.6 6.1	GEN, NITRATE DIS- SOLVED (MG/L AS N) (00618) 6.78 4.18 4.79	GEN, NITRATE DIS- SOLVED (MG/L AS NO3) (71851) 30.0	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) <.02 <.05 <.05 8.13 6.83 4.23 4.82	GEN, NITRITE DIS- SOLVED (MG/L AS NO2) (71856) 151 .164	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) <.010 <.008 <.008 <.040 .046 .050	GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607) .46 .82 .64 .49 .47	GEN, ORGANIC TOTAL (MG/L AS N) (00605) .80 1.2 .86 .84 .72	GEN, TOTAL (MG/L AS N) (00600)	PHATE, ORTHO, DIS- SOLVED (MG/L AS PO4) (00660) 074	PHORUS DIS- SOLVED (MG/L AS P) (00666) <.02 .012 .039 .023 .010

425 NEUSE RIVER BASIN

0209173190 UNNAMED TRIBUTARY TO SANDY RUN NEAR LIZZIE, NC--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	DIS- SOLVED (MG/L AS P)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	(UG/L AS FE)
OCT			
30 NOV	<.01	E.28	394
19 DEC	<.02	.32	5060
19 JAN	.02	.27	1590
22 FEB	E.01	.069	281
21 MAR	<.02	.035	317
25 APR	<.02	.047	492
09 MAY	<.02	.153	570
09 ΠΙΝ	.04	.133	5440
27 JUL	.03	.26	1600
24	.05	.39	1940

Remark codes used in this report: < -- Less than E -- Estimated value