

0208650112 FLAT RIVER TRIBUTARY NEAR WILLARDVILLE, NC--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1988-91, 1994 to current year

REMARKS.--Station operated to define the impacts of various land-use development on surface-water quality in the Upper Neuse River basin.

COOPERATION.--For the period February 1988 through June 1989 the inorganic chemical data and trace metal data were analyzed by the city of Durham's Brown Water Treatment Plant Laboratory.

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

DATE	TIME	DIS-	PH	BARO-	OXYGEN,	NITRO-	NITRO-	NITRO-	NITRO-																
		CHARGE, INST.	SPE- CIFIC CUBIC FEET	WATER WHOLE DUCT- PER SECOND (00061)	FIELD CON- (US/CM) (00095)	TEMPER- (STAND- ANCE (00400)	PRES- SURE (MM) WATER (DEG C) (00010)	OXYGEN, (MM) OF SOLVED (HG) (00025)	(PER- CENT SOLVED (MG/L) SOLVED (00300)	(00301)	DIS- NITRATE SOLVED (MG/L) (00301)	DIS- NITRITE SOLVED (MG/L) (00618)	DIS- NO ₂ +NO ₃ SOLVED (MG/L) (00613)	DIS- AMMONIA SOLVED (MG/L) (00631)	DIS- TOTAL SOLVED (MG/L) (00608)	GEN- AMONIA + ORGANIC DIS. (MG/L AS N) (00625)									
OCT 18...	0920	.03	108	6.8	15.6	758	7.5	76	--	<.006	<.047	<.041	<.041	.15											
DEC 07...	0955	.04	104	6.6	2.9	757	11.1	83	--	<.006	.237	<.041	.12												
JAN 30...	1020	.19	99	6.4	7.5	751	10.3	87	--	<.006	.165	<.041	.17												
FEB 17...	1115	8.8	52	6.0	9.7	763	10.8	95	--	<.006	.067	<.041	.56												
MAR 21...	0815	14	42	6.1	8.6	749	11.1	97	--	<.006	E.039	<.041	.55												
APR 28...	1015	.19	82	6.3	12.4	760	10	93	--	<.006	.082	E.025	.16												
JUN 09...	0940	.09	88	6.2	18.8	754	8.0	87	--	<.006	.135	<.040	.14												
JUL 19...	1150	.02	94	6.2	21.5	756	7.2	83	.297	.006	.303	<.040	.14												
AUG 22...	1030	.02	97	7.4	20.1	760	6.9	76	--	<.006	.091	<.040	.22												
SEP 25...	1545	.01	92	6.5	18.3	751	6.9	74	--	<.006	.060	<.040	.22												
		NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)		NITRO- GEN DIS. (MG/L AS N) (00600)		PHOS- PHORUS DIS- SOLVED (MG/L AS N) (00602)		PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00665)		ALUM- INUM, TOTAL RECOV- ERABLE (MG/L AS P) (00666)		CADMIUM WATER TOTAL RECOV- ERABLE (UG/L AS AL) (01105)		CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS AS) (01002)		COBALT, TOTAL RECOV- ERABLE (UG/L AS CD) (01027)		COPPER, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)		IRON, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)		IRON, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)		IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	
OCT 18...	.11	--	--	<.060	<.060	<.018	39	<2	<.11	<1	<4	<1.8	630												
DEC 07...	<.10	.35	--	<.060	<.060	<.018	--	--	--	--	--	--	--												
JAN 30...	.14	.33	.31	<.060	<.060	<.018	168	<2	<.11	<1	<2	<1.8	480												
FEB 17...	.44	.63	.51	.063	<.060	<.018	793	<2	<.11	M	<2	2.6	1090												
MAR 21...	.33	--	--	E.056	<.060	<.018	845	<2	<.11	M	<2	2.1	1120												
APR 28...	E.07	.24	--	<.060	<.060	<.018	--	--	--	--	--	--	--												
JUN 09...	.13	.27	.26	<.060	<.060	<.020	--	--	--	--	--	--	--												
JUL 19...	.18	.45	.48	<.060	<.060	<.020	95	<2	<.10	<1	<2	E.8	880												
AUG 22...	.15	.31	.24	<.060	<.060	<.020	--	--	--	--	--	--	--												
SEP 25...	.16	.28	.22	<.060	<.060	<.020	--	--	--	--	--	--	--												

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	P, P'	ENDRIN	HEPTA-		METHYL	CARBO-						
	DDT	DI- WATER	HEPTA- CHLOR	TOX-	DI-	PARA-	PHENO-					
DATE	UNFILT	ELDRIN	UNFLTRD	EPOXIDE	LINDANE	APHENE,	AZINON,	ETHION,	THION,	THION,	THION,	WATER
	RECOVER	TOTAL REC	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	UNFLTRD
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
	(39370)	(39380)	(39390)	(39410)	(39420)	(39340)	(39400)	(39570)	(39398)	(39530)	(39600)	(39786)

	METH-	DISUL-	CHLOR-	FONOFOS	BEN-								
	OXY-	FOTON	PYRIFOS	(DY- FONATE)	ALA-	ATRA-	FLUR-	BUTYL-					
DATE	PCB, TOTAL	CHLOR, TOTAL	MIREX, TOTAL	UNFILT RECOVER	PHORATE TOTAL	TOTAL RECOVER	DEF TOTAL	WATER TOT. REC	WATER, REC	WATER, REC	WATER, WAT FLD	ATE, DISS,	CHLOR- PYRIFOS
	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
	(39516)	(39480)	(39755)	(39011)	(39023)	(38932)	(39040)	(82614)	(46342)	(39632)	(82673)	(04028)	(38933)

NEUSE RIVER BASIN

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				2,6-DI-	DISUL-		EETHAL-	EETHO-					
CYANA-	DCPA			ETHYL	FOTON	EPTC	FLUR-	PROP					
ZINE,	WATER		DI-	ANILINE	WATER	WATER	ALIN	WATER	FONOFO	ALPHA			
WATER,	FLTRD	P, P'	AZINON,	ELDRIN	WAT FLT	FLTRD	WAT FLT	FLTRD	WATER	BHC	LINDANE		
DISS,	0.7 U	DDE	DIS-	DIS-	0.7 U	0.7 U	0.7 U	0.7 U	DISS	DIS-	DIS-		
DATE	REC	GF, REC	DISSOLV	SOLVED	SOLVED	GF, REC	GF, REC	GF, REC	GF, REC	REC	SOLVED	SOLVED	
(UG/L)	(UG/L)		(UG/L)										
(04041)	(82682)	(34635)	(39572)	(39381)	(82660)	(82677)	(82668)	(82663)	(82672)	(04095)	(34253)	(39341)	

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DATE	TRI-		SEDI-	
	CLOPYR,	WATER,	SEDIMENT,	DIS-
SILVEX,	FLTRD,	MENT,	CHARGE,	
DIS-	GF 0.7U	SUS-	SUS-	
SOLVED	REC	PENDED	PENDED	
(UG/L)	(UG/L)	(MG/L)	(T/DAY)	
(39762)	(49235)	(80154)	(80155)	
OCT 18...	--	--	2	.00
DEC 07...	--	--	2	.00
JAN 30...	--	--	4	.00
FEB 17...	--	--	72	1.7
MAR 21...	<.03	<.07	98	3.7
APR 28...	--	--	4	.00
JUN 09...	--	--	4	.00
JUL 19...	--	--	--	--
AUG 22...	--	--	4	.00
SEP 25...	--	--	--	--