

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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)	Nitrite, water, fltrd, mg/L as N (00613)	
Date		Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, fltrd, mg/L (00602)	Total nitrogen, water, unfltrd mg/L (00600)	Aluminum, water, unfltrd recover-able, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recover-able, ug/L (01034)	Cobalt water, unfltrd recover-able, ug/L (01037)	Copper, water, unfltrd recover-able, ug/L (01042)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, unfltrd recover-able, ug/L (01051)
OCT	16...													
	1145	4.7	747	9.3	96	6.0	40	15.9	0.37	0.49	<0.04	<0.06	E.004	
DEC	17...													
	1000	0.95	751	11.6	94	5.4	49	5.7	E.10	0.58	<0.04	<0.06	<0.008	
JAN	31...													
	1030	3.6	764	12.3	95	5.5	44	4.5	0.19	0.26	<0.04	<0.06	<0.008	
FEB	27...													
	1400	2.8	756	12.0	94	5.7	35	4.9	0.11	0.17	<0.04	<0.06	<0.008	
MAR	20...													
	1115	98	756	11.2	97	5.6	25	9.0	0.35	0.86	<0.04	<0.06	<0.008	
MAY	16...													
	1015	0.35	757	8.8	90	5.8	47	16.1	0.13	0.18	<0.04	<0.06	<0.008	
	1030	21	761	9.8	97	5.8	32	14.9	0.43	0.18	<0.04	<0.06	<0.008	
JUN	26...													
	1030	0.15	756	7.4	82	6.5	78	20.1	0.12	0.14	<0.04	0.10	<0.008	
JUL	30...													
	1100	0.04	757	7.0	81	6.8	90	22.1	0.13	0.18	<0.04	0.11	<0.008	
AUG	21...													
	1045	0.09	756	7.0	81	6.5	90	22.4	0.16	0.13	<0.04	<0.60	E.004	
SEP	04...													
	1100	0.03	751	5.3	63	6.5	70	23.2	0.12	0.16	<0.04	E.06	<0.008	

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Date	Phorate water unfltrd ug/L (39023)	Picloram, water, fltrd 0.7u GF ug/L (49291)	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Propham water fltrd 0.7u GF ug/L (49236)	Propoxur, water, fltrd 0.7u GF ug/L (38538)	Silvex, water, fltrd, ug/L (39762)	Simazine, water, fltrd, ug/L (04035)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)
OCT 16...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 31...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 27...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 16...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 22...	<0.02	<0.09	<0.01	<0.004	<0.010	<0.011	<0.02	<0.22	<0.12	<0.03	<0.005	<0.02	<0.034
JUN 26...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 30...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 21...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 04...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thio-bencarb water fltrd 0.7u GF ug/L (82681)	Toxa-phene, water, unfltrd ug/L (39400)	Tri-allate, water, fltrd 0.7u GF ug/L (82678)	Tribu-phos, water, unfltrd ug/L (39040)	Tri-clopyr, water, fltrd 0.7u GF ug/L (49235)	Tri-flur-alin, water, fltrd 0.7u GF ug/L (82661)	Sus-pended sedi-ment concen-tration mg/L (80154)	Sus-pended sedi-ment load, tons/d (80155)
OCT 16...	--	--	--	--	--	--	--	16	0.20
DEC 17...	--	--	--	--	--	--	--	11	0.03
JAN 31...	--	--	--	--	--	--	--	12	0.12
FEB 27...	--	--	--	--	--	--	--	24	0.18
MAR 20...	--	--	--	--	--	--	--	429	113
MAY 16...	--	--	--	--	--	--	--	7	0.01
MAY 22...	<0.02	<0.005	<1	<0.002	<0.02	<0.07	<0.009	2,110	119
JUN 26...	--	--	--	--	--	--	--	4	0.00
JUL 30...	--	--	--	--	--	--	--	4	0.00
AUG 21...	--	--	--	--	--	--	--	5	0.00
SEP 04...	--	--	--	--	--	--	--	5	0.00