

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 2003 TO SEPTEMBER 2004

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)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	
Date		Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, fltrd, mg/L (00607)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, 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 recoverable, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Cobalt water, unfltrd recoverable, ug/L (01037)
OCT 03...	1100	.03	758	8.6	79	6.0	88	11.4	E.10	.14	<.04	--	E.04	
DEC 11...	1115	3.1	749	12.1	106	6.2	56	8.8	.94	.76	<.04	.50	.51	
FEB 20...	1100	1.0	759	14.8	118	6.0	63	5.6	.11	.13	<.04	--	E.05	
APR 08...	1100	.47	742	10.1	98	7.1	71	13.0	.12	.12	<.04	--	E.03	
MAY 03...	1045	7.2	755	9.8	97	6.6	49	14.7	.81	.67	<.04	--	E.06	
JUN 04...	1500	.35	756	7.8	85	7.3	94	19.0	.22	.36	.04	--	.26	
JUL 23...	1300	.03	751	6.6	79	7.2	93	23.4	.18	.27	<.04	--	.17	
AUG 30...	0930	1.4	754	7.4	85	7.2	68	21.9	.21	.64	<.04	--	.09	
OCT 03...		<.008	--	--	<.02	<.04	<.04	--	--	--	--	--	--	--
DEC 11...		.008	--	--	E.01	.04	.11	1.4	1.3	--	--	--	--	--
FEB 20...		<.008	--	--	<.02	<.04	E.03	--	--	--	--	--	--	--
APR 08...		<.008	--	--	<.02	<.04	E.02	--	--	121	<2	<.04	<.8	.298
MAY 03...		E.006	--	--	<.02	E.02	.06	--	--	763	<2	<.04	E.6	.777
JUN 04...		E.007	.18	.32	<.02	<.04	.04	.47	.62	--	--	--	--	--
JUL 23...		<.008	--	--	<.02	<.04	E.03	.35	.44	--	--	--	--	--
AUG 30...		<.008	--	--	<.02	<.04	.11	.30	.73	--	--	--	--	--

0208650112 FLAT RIVER TRIBUTARY NEAR WILLARDVILLE, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	p,p'-Methoxychlor, water, unfltrd ug/L (39480)	Parathion, water, fltrd, ug/L (39542)	Parathion, water, unfltrd ug/L (39540)	PCBs, water, unfltrd ug/L (39516)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Phorate water unfltrd ug/L (39023)	Picloram, water, fltrd 0.7u GF ug/L (49291)	Prometon, water, fltrd, ug/L (04037)	Propyzamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)
OCT 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 03...	<.006	<.010	<.01	<.1	<.004	<.022	<.011	<.02	<.02	<.01	<.004	<.025	<.011
JUN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 30...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Propargite, water, fltrd 0.7u GF ug/L (82685)	Propham water fltrd 0.7u GF ug/L (49236)	Propiconazole, water, fltrd, ug/L (50471)	Propoxur, water, fltrd 0.7u GF ug/L (38538)	Siduron water, fltrd, ug/L (38548)	Simazine, water, fltrd, ug/L (04035)	Sulfometuron, water, fltrd, ug/L (50337)	Tebu-thiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbacil, water, fltrd, ug/L (04032)	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)
OCT 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 08...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 03...	<.02	<.010	<.02	<.008	<.02	<.005	<.009	<.02	<.034	<.010	<.02	<.010	<.1
JUN 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 30...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	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 dis-charge, tons/d (80155)
OCT 03...	--	--	--	--	2	.00
DEC 11...	--	--	--	--	21	.17
FEB 20...	--	--	--	--	6	.02
APR 08...	--	--	--	--	7	.01
MAY 03...	<.002	<.02	<.02	<.009	136	2.6
JUN 04...	--	--	--	--	30	.03
JUL 23...	--	--	--	--	22	.00
AUG 30...	--	--	--	--	152	.55