

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1988 to current year.

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment and 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 Laboratory.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Dis-charge, cfs (00060)	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)	Specif. 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)
OCT 05...	1530	--	19	756	8.5	94	7.2	91	20.1	.32	.26	<.04	.21
NOV 22...	1430	--	69	754	9.6	92	7.3	87	13.0	.24	.29	<.04	.32
DEC 21...	1700	--	89	759	14.0	101	7.1	62	1.7	.36	.20	<.04	.66
FEB 11...	1415	--	130	752	11.4	95	7.6	81	6.8	.23	.25	<.04	.36
APR 07...	1515	--	107	749	9.3	99	7.6	75	17.8	.28	.30	<.04	.27
JUN 02...	1230	--	30	752	7.6	82	7.2	86	18.6	.27	.25	<.04	.25
JUL 29...	0845	E3.8	--	754	4.8	60	6.7	99	26.5	.37	.44	E.03	<.06

Date	Nitrite water, fltrd, mg/L as N (00613)	Total nitrogen, water, fltrd, mg/L (00602)	Total nitrogen, water, unfltrd mg/L (00600)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT 05...	<.008	.53	.47	<.02	<.04	E.02	5	.26
NOV 22...	E.004	.56	.61	<.02	E.02	E.02	4	.75
DEC 21...	<.008	1.0	.86	<.02	E.02	E.02	5	1.2
FEB 11...	<.008	.60	.61	<.02	<.04	<.04	5	1.8
APR 07...	<.008	.55	.57	<.02	<.04	E.03	8	2.3
JUN 02...	<.008	.52	.50	<.02	<.04	E.02	7	.57
JUL 29...	<.008	--	--	<.02	<.04	E.03	2	--