

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1995 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.

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 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)
OCT 16...	1700	514	742	9.0	101	6.4	58	19.7	0.52	0.71	0.14	0.32	0.33
DEC 17...	1145	18	751	10.4	86	5.9	95	6.6	0.39	0.43	E.04	--	0.38
JAN 31...	1200	551	764	15.0	117	6.1	82	5.0	0.39	0.47	0.07	--	0.36
FEB 27...	1430	219	756	12.1	96	6.2	65	5.3	0.41	0.56	0.06	--	0.39
MAR 20...	1215	6,450	754	12.2	109	6.3	60	9.9	0.29	0.50	E.03	--	0.27
MAY 16...	1115	13	757	9.2	90	5.5	45	14.5	0.46	0.62	0.07	--	0.35
MAY 22...	1415	919	761	9.4	102	7.1	60	19.1	0.27	0.50	<0.04	--	E.05
JUN 25...	1115	19	756	7.8	93	7.0	103	23.6	0.56	0.60	0.05	--	0.06
JUL 30...	1230	9.0	757	5.0	59	6.5	69	24.1	0.44	0.61	0.10	--	0.17
AUG 21...	1200	28	756	7.0	88	6.3	59	26.2	0.40	0.67	E.02	--	0.07
SEP 04...	1200	22	751	6.2	77	6.6	50	25.6	0.41	0.52	0.04	--	E.03

Date	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, fltrd, mg/L (00607)	Organic nitrogen, water, unfltrd, mg/L (00605)	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)	Suspended sediment concentration, mg/L (80154)	Suspended sediment load, tons/d (80155)
OCT 16...	0.015	0.39	0.57	E.01	E.03	0.06	0.85	1.0	14	20
DEC 17...	<0.008	--	--	0.02	0.04	0.04	0.78	0.81	19	0.92
JAN 31...	E.004	0.32	0.40	0.02	E.02	0.06	0.75	0.83	7	11
FEB 27...	<0.008	0.36	0.51	0.05	0.07	0.10	0.80	0.95	24	14
MAR 20...	E.004	--	--	E.01	0.04	0.05	0.56	0.77	25	441
MAY 16...	E.005	0.39	0.56	0.03	0.06	0.10	0.81	0.97	33	1.2
MAY 22...	<0.008	--	--	<0.02	<0.04	<0.04	--	--	16	40
JUN 25...	<0.008	0.51	0.55	<0.02	E.03	E.03	0.62	0.67	9	0.45
JUL 30...	E.007	0.34	0.50	<0.02	E.02	0.05	0.61	0.77	6	0.16
AUG 21...	E.006	--	--	<0.18	<0.04	0.04	0.46	0.73	8	0.63
SEP 04...	<0.008	0.36	0.47	<0.02	<0.04	E.03	--	--	8	0.49