0208524090 MOUNTAIN CREEK AT SECONDARY ROAD 1617 NEAR BAHAMA, 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 2004 TO SEPTEMBER 2005

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)	Specif. conductance, wat unf 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)
OCT													
05...	1445	1.1	757	8.7	94	7.1	122	18.7	.27	.28	<.04	.23	<.008
NOV													
22...	1400	1.9	754	9.8	95	7.2	92	13.4	.26	.30	<.04	.27	<.008
DEC													
22...	1215	2.7	759	12.7	96	7.4	83	3.5	.25	.33	E.02	.65	<.008
FEB													
11...	1330	3.2	752	11.0	91	7.7	100	6.8	.31	.32	E.02	.49	E.004
APR													
07...	1445	5.0	749	9.6	103	7.7	94	18.4	.29	.34	<.04	.36	E.005
JUN													
02...	1315	.95	752	8.6	91	7.4	112	17.4	.25	.29	<.04	.38	<.008
JUL													
29...	0915	.10	755	7.5	89	7.2	143	23.2	.29	.34	<.04	.17	<.008

Date	Total nitrogen, water, fltrd, mg/L (00602)	Total nitrogen, water, unfltrd mg/L (00600)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	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)	Copper, water, unfltrd recoverable, ug/L (01042)	Iron, water, unfltrd recoverable, ug/L (01045)	Lead, water, unfltrd recoverable, ug/L (01051)
OCT													
05...	.50	.51	<.02	<.04	<.04	50	<2	<.04	<.8	.201	E.6	890	.21
NOV													
22...	.53	.57	<.02	<.04	E.02	--	--	--	--	--	--	--	--
DEC													
22...	.90	.98	<.02	<.04	<.04	190	<2	<.04	<.8	.286	1.0	1,180	.28
FEB													
11...	.79	.81	<.02	<.04	<.04	--	--	--	--	--	--	--	--
APR													
07...	.66	.70	<.02	<.04	.04	--	--	--	--	--	--	--	--
JUN													
02...	.64	.67	<.02	<.04	E.03	--	--	--	--	--	--	--	--
JUL													
29...	.46	.51	<.02	<.04	E.03	--	--	--	--	--	--	--	--

Date	Manganese, water, unfltrd recoverable, ug/L (01055)	Mercury water, unfltrd recoverable, ug/L (71900)	Molybdenum, water, unfltrd recoverable, ug/L (01062)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recoverable, ug/L (01077)	Zinc, water, unfltrd recoverable, ug/L (01092)	Suspended sediment concentration mg/L (80154)	Suspended sediment discharge, tons/d (80155)
OCT									
05...	49	<.01	E.2	.31	<.4	<.16	<2	6	.02
NOV									
22...	--	--	--	--	--	--	--	4	.02
DEC									
22...	210	<.01	<.2	.28	E.4	<.16	E1	6	.04
FEB									
11...	--	--	--	--	--	--	--	6	.05
APR									
07...	--	--	--	--	--	--	--	10	.14
JUN									
02...	--	--	--	--	--	--	--	9	.02
JUL									
29...	--	--	--	--	--	--	--	2	.00