

02085500 FLAT RIVER AT BAHAMA, NC—Continued

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 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	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)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	
OCT	16...	1615	765	125	742	8.6	88	6.7	72	15.6	21	4.78	2.14	2.63
	16...	1630	771	--	742	8.6	88	6.7	72	15.6	--	--	--	--
DEC	17...	1345	165	--	751	12.5	101	6.3	66	5.9	--	--	--	--
JAN	31...	1300	747	--	764	13.3	98	6.3	73	2.9	--	--	--	--
FEB	27...	1600	380	--	756	13.1	102	6.5	57	4.7	--	--	--	--
MAR	20...	1315	7,420	--	748	11.1	96	5.8	32	8.4	--	--	--	--
	20...	1330	7,750	225	748	11.1	96	5.8	32	8.4	12	2.68	1.25	1.92
MAY	16...	1300	180	--	754	8.7	93	6.4	56	18.2	--	--	--	--
	22...	1330	2,750	--	761	10.0	100	6.2	45	15.6	--	--	--	--
JUN	25...	1400	80	--	756	7.7	90	6.6	78	23.0	--	--	--	--
JUL	30...	1430	41	--	757	6.7	82	6.9	78	25.0	--	--	--	--
AUG	21...	1400	40	--	756	7.3	91	6.6	81	26.1	--	--	--	--
SEP	04...	1300	35	--	751	6.7	84	6.6	56	25.9	--	--	--	--

Date	Sodium, water, fltrd, mg/L as CaCO3 (00930)	ANC, wat unf incrm. titr., field, mg/L (00419)	Bicarbonate, wat unf incrm. titr., field, mg/L (00450)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	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...	3.98	14	17	4.87	<0.17	10.6	7.2	66	--	0.76	0.022	0.50	0.51
	16...	--	--	--	--	--	--	--	--	0.44	0.77	<0.04	--	0.48
DEC	17...	--	--	--	--	--	--	--	--	0.27	0.34	E.02	--	0.42
JAN	31...	--	--	--	--	--	--	--	--	0.49	0.76	0.05	--	0.36
FEB	27...	--	--	--	--	--	--	--	--	0.23	0.31	<0.04	--	0.41
MAR	20...	--	--	--	--	--	--	--	--	0.44	1.0	0.05	--	0.16
	20...	1.77	--	--	1.86	<0.17	4.4	3.7	39	--	0.94	0.056	0.15	0.16
MAY	16...	--	--	--	--	--	--	--	--	0.20	0.34	<0.04	--	0.34
	22...	--	--	--	--	--	--	--	--	0.59	1.1	E.04	--	0.30
JUN	25...	--	--	--	--	--	--	--	--	0.30	0.29	<0.04	--	0.42
JUL	30...	--	--	--	--	--	--	--	--	0.28	0.37	<0.04	--	0.31
AUG	21...	--	--	--	--	--	--	--	--	0.23	0.29	<0.04	--	<0.60
SEP	04...	--	--	--	--	--	--	--	--	0.39	0.45	<0.04	--	0.31

NEUSE RIVER BASIN

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