

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 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN DIS-SOLVED (MG/L AS N) (00602)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N) (00618)	
DEC 11...	1145	3.0	755	9.3	82	7.1	114	9.2	<.04	.36	.45	.58	--	
JAN 23...	1715	30	761	10.5	86	6.4	90	6.5	.04	.51	.79	1.0	--	
MAR 03...	1630	13	751	10.0	91	6.4	97	10.4	E.03	.56	.75	1.0	--	
APR 01...	1245	5.5	753	10.0	102	6.8	110	15.5	<.04	.37	.43	.55	--	
MAY 14...	1345	.53	754	8.2	88	7.0	130	18.6	<.04	.39	.41	.60	--	
AUG 19...	1100	.94	752	6.9	82	6.8	64	23.3	<.04	.63	1.1	1.4	.74	
SEP 01...	1700	33	756	7.8	89	6.1	70	21.1	<.04	.63	.71	.97	--	
Date		NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N) (00607)	NITRO-GEN, TOTAL (MG/L AS N) (00605)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)
DEC 11...		.21	E.005	--	--	.66	E.04	.03	.09	130	<2	<.1	<.8	<2.0
JAN 23...		.51	E.005	.46	.74	1.3	.06	.05	.13	560	<2	<.1	<.8	<2.0
MAR 03...		.48	E.005	--	--	1.2	E.03	<.02	.07	--	--	--	--	--
APR 01...		.18	<.008	--	--	.61	<.06	<.02	E.04	170	<2	<.1	<.8	<2.0
MAY 14...		.21	<.008	--	--	.62	<.06	<.02	<.06	--	--	--	--	--
AUG 19...		.76	.015	--	--	1.9	.08	.07	.29	--	--	--	--	--
SEP 01...		.34	E.004	--	--	1.0	E.05	.02	.09	410	<2	<.1	<.8	<2.0
Date		COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG) (71900)	MOLYB-DENUM, TOTAL RECOV-ERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI) (01067)	SELE-NIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG) (01077)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	2,4,5-T DIS-SOLVED (UG/L) (39742)	2,4-D, DIS-SOLVED (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)
DEC 11...		1.8	1380	1	128	E.01	<2	<2.0	<2	<.3	<20	--	--	--
JAN 23...		2.4	1020	1	191	.01	<2	<2.0	<2	<.3	<20	--	--	--
MAR 03...		--	--	--	--	--	--	--	--	--	--	--	--	--
APR 01...		E.9	1100	<1	126	<.01	<2	<2.0	<2	<.3	<20	--	--	--
MAY 14...		--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 19...		--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 01...		2.9	770	<1	127	E.01	<2	<2.0	<2	<.3	<20	<.07	<.16	<.25

0208524090 MOUNTAIN CREEK AT SECONDARY ROAD 1617 NEAR BAHAMA, NC--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	3HYDRXY CARBO-FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	ACETO-CHLOR WATER FLTRD REC (UG/L) (49260)	ACIFL-UORFEN WATER, FLTRD GF 0.7U REC (UG/L) (49315)	ALA-CHLOR WATER, DISS, REC (UG/L) (46342)	ALDI-CARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICA-RB SULFOXIDE WAT,FLT GF 0.7U REC (UG/L) (49314)	ALDI-CARB WATER, FLTRD GF 0.7U REC (UG/L) (49312)	ALDRIN, TOTAL (UG/L) (39330)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BENTA-ZON, WATER, FLTRD GF 0.7U REC (UG/L) (38711)
DEC 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 19...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 01...	<.006	<.11	<.006	<.05	<.004	<.26	<.27	<.21	<.01	<.005	E.006	<.010	<.05
Date	BRO-MACIL WATER, DISS, REC (UG/L) (04029)	BRO-MOXYNIL WATER, FLTRD GF 0.7U REC (UG/L) (49311)	BUTYL-ATE WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER, FLTRD GF 0.7U REC (UG/L) (49310)	CAR-BARYL WATER FLTRD GF, REC (UG/L) (82680)	CARBO-FURAN WATER, FLTRD GF 0.7U REC (UG/L) (49309)	CARBO-FURAN WATER, FLTRD GF, REC (UG/L) (82674)	CARBO-PHENO-THION WATER UNFLTRD (UG/L) (39786)	CHLOR-DANE, TECH-NICAL TOTAL (UG/L) (39350)	CHLORO-THALO-NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CHLOR-PYRIFOS TOTAL RECOVER (UG/L) (38932)	CLOPYR-ALID, WATER, FLTRD GF 0.7U REC (UG/L) (49305)
DEC 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 19...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 01...	<.09	<.07	<.002	<.080	<.041	<.15	<.020	<.02	<.1	<.25	<.005	<.01	<.42
Date	CYANA-ZINE WATER, DISS, REC (UG/L) (04041)	DACTHAL MONO-ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DEF TOTAL (UG/L) (39040)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-AZINON, TOTAL (UG/L) (39570)	DICAMBA WATER, FLTRD GF 0.7U REC (UG/L) (38442)	DICHLOR-BENIL, WATER, FLTRD GF 0.7U REC (UG/L) (49303)	DICHLOR PROP, WATER, FLTRD GF 0.7U REC (UG/L) (49302)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DI-ELDRIN TOTAL (UG/L) (39380)	DINOSEB WATER, FLTRD GF 0.7U REC (UG/L) (49301)
DEC 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 19...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 01...	<.018	<.07	<.003	<.006	<.02	<.005	<.02	<.11	<.09	<.12	<.005	<.006	<.15

0208524090 MOUNTAIN CREEK AT SECONDARY ROAD 1617 NEAR BAHAMA, NC--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (82677)	DISUL-FOTON UNFILT RECOVER (UG/L) (39011)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	DNOC WAT, FLT GF 0.7U REC (UG/L) (49299)	ENDO-SULFAN I TOTAL (UG/L) (39388)	ENDRIN WATER UNFLTRD REC (UG/L) (39390)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHION, TOTAL (UG/L) (39398)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FEN-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUO-METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	FONOFOS (DY-FONATE) WATER WHOLE TOT.REC (UG/L) (82614)
DEC 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 19...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 01...	<.02	<.10	<.12	<.25	<.02	<.01	<.002	<.009	<.01	<.005	<.07	<.06	<.01
Date	FONOFOS WATER DISS REC (UG/L) (04095)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTA-CHLOR TOTAL (UG/L) (39410)	LINDANE DIS-SOLVED (UG/L) (39341)	LINDANE TOTAL (UG/L) (39340)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	MALA-THION, TOTAL (UG/L) (39530)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)
DEC 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 19...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 01...	<.003	<.009	<.01	<.004	<.006	<.06	<.035	<.027	<.10	<.20	<.26	<.07	<.22
Date	METH-OXY-CHLOR, TOTAL (UG/L) (39480)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION, GF, REC (UG/L) (39600)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MIREX, TOTAL (UG/L) (39755)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	NEB-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)
DEC 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 19...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 01...	<.020	<.050	<.02	<.006	<.013	<.006	<.006	<.002	<.007	<.07	<.04	<.28	<.16

0208524090 MOUNTAIN CREEK AT SECONDARY ROAD 1617 NEAR BAHAMA, NC--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	P,P' DDE DISSOLV (UG/L) (34653)	P,P'- DDD UNFILT RECOVER (UG/L) (39360)	P,P'- DDE, TOTAL (UG/L) (39365)	P,P'- DDT UNFILT RECOVER (UG/L) (39370)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PARA- THION, TOTAL (UG/L) (39540)	PCB, TOTAL (UG/L) (39516)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE TOTAL (UG/L) (39023)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)
DEC 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 19...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 01...	<.003	<.007	<.006	<.009	<.010	<.01	<.1	<.004	<.022	<.006	<.02	<.011	<.09

Date	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	PRO- PHAM, WATER, FLTRD 0.7U GF, REC (UG/L) (49236)	PRO- POXUR, WATER, FLTRD 0.7U GF, REC (UG/L) (38538)	SILVEX, DIS- SOLVED (UG/L) (39762)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)
DEC 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAR 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 19...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP 01...	E.01	<.004	<.010	<.011	<.02	<.22	<.12	<.03	<.005	<.02	<.034	<.02	<.005

Date	TOX- APHENE, TOTAL (UG/L) (39400)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- CLOPYR, WATER, FLTRD, 0.7U GF, REC (UG/L) (49235)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	SEDI- MENT, DIS- CHARGE, SUS- SUS- PENDEDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- SUS- PENDEDED (T/DAY) (80155)
DEC 11...	--	--	--	--	--	--
JAN 23...	--	--	--	--	32	2.6
MAR 03...	--	--	--	--	19	.66
APR 01...	--	--	--	--	9.5	.14
MAY 14...	--	--	--	--	4.3	.01
AUG 19...	--	--	--	--	125	.32
SEP 01...	<1	<.002	<.07	<.009	19	1.7

Remark codes used in this report:
 < -- Less than
 E -- Estimated value