

Water-Data Report 2008

0208524090 MOUNTAIN CREEK AT SECONDARY ROAD 1617 NEAR BAHAMA, NC

Neuse Basin
Upper Neuse Subbasin

LOCATION.--Lat 36°08'59", long 78°53'48" referenced to North American Datum of 1983, Durham County, NC, Hydrologic Unit 03020201, on right bank at bridge on Secondary Road 1617 and 1.6 mi southwest of Bahama.

DRAINAGE AREA.--8 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1994 to current year.

GAGE.--Water-stage recorder. Datum of gage is 360.95 ft above NGVD of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Maximum gage height for period of record from floodmarks.
Maximum gage height for period of record occurred September 6, 1996, discharge not determined. No flow occurred on many days during the period.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	e0.07	e0.04	2.9	6.5	1.8	24	5.0	2.2	0.36	0.08	2.0
2	0.00	e0.05	e0.08	1.2	10	1.6	9.7	3.8	0.97	0.24	0.04	0.66
3	e0.00	e0.06	e0.10	0.64	4.9	1.3	6.6	2.4	0.67	0.17	0.05	0.45
4	0.00	e0.06	e0.05	0.46	3.2	13	20	1.8	0.60	0.19	0.04	0.34
5	0.00	e0.07	e0.06	0.39	2.7	68	35	1.4	0.50	0.37	0.04	0.31
6	e0.00	e0.07	e0.05	0.36	2.3	12	21	1.5	0.41	2.9	0.03	397
7	e0.00	e0.06	e0.04	0.32	1.9	43	13	1.2	0.38	1.4	0.03	16
8	e0.00	e0.06	e0.06	0.25	1.6	36	8.7	1.1	0.32	0.52	0.03	6.5
9	e0.00	e0.08	e0.10	0.26	1.7	13	6.9	1.9	0.29	0.46	0.02	3.6
10	0.00	e0.07	e0.20	0.28	1.3	8.9	5.8	1.3	0.25	0.81	0.16	2.5
11	0.00	e0.06	e0.07	0.32	0.81	6.7	5.0	1.6	0.22	5.6	0.15	2.2
12	0.00	e0.07	0.05	0.28	1.0	5.2	4.8	2.7	0.17	1.5	0.04	1.7
13	0.00	e0.15	0.04	0.24	20	4.3	4.3	1.6	0.18	0.60	0.04	1.4
14	0.00	e0.20	0.04	0.22	12	3.6	3.6	1.1	0.15	0.54	0.04	1.0
15	0.00	e0.15	0.04	0.19	8.4	5.1	3.0	0.98	0.14	0.45	0.03	0.81
16	0.00	e0.08	0.28	0.16	6.1	13	2.2	4.3	0.14	0.37	0.03	3.1
17	0.00	e0.06	0.12	0.52	5.0	6.6	2.0	2.3	0.15	0.32	0.03	2.7
18	0.00	e0.05	0.09	1.8	4.8	4.7	1.8	3.4	0.12	0.27	0.02	1.5
19	0.00	e0.05	0.08	1.0	3.8	4.5	1.6	5.5	0.11	0.25	0.02	0.99
20	0.00	e0.06	0.07	0.93	2.5	5.3	4.0	3.1	0.10	0.24	0.02	0.79
21	0.00	e0.07	0.07	0.59	1.7	3.4	5.4	3.0	0.10	0.19	0.02	0.70
22	0.00	e0.10	0.06	0.48	1.9	2.9	3.4	1.5	0.12	4.9	0.01	0.66
23	0.00	e0.05	0.06	0.50	2.3	2.6	2.5	1.0	0.13	3.2	0.01	0.58
24	e0.00	e0.04	0.06	0.42	2.0	2.0	2.0	0.91	0.10	0.75	0.01	0.50
25	e0.80	e0.03	0.06	0.32	1.9	1.9	1.6	0.81	0.08	0.38	0.02	0.48
26	e1.0	e0.10	1.9	0.30	3.7	1.6	1.3	0.70	0.08	0.26	0.03	29
27	e6.0	e0.10	1.1	0.27	5.4	1.6	1.6	0.60	0.08	0.17	152	24
28	e0.40	e0.05	0.44	0.24	3.7	1.6	22	1.8	0.08	0.12	86	9.0
29	e0.40	e0.05	0.35	0.24	2.3	1.9	19	1.8	0.09	0.09	3.1	4.9
30	e0.10	e0.04	9.3	0.24	---	2.2	7.3	1.0	1.6	0.07	1.1	3.4
31	e0.08	---	12	0.22	---	13	---	0.87	---	0.07	1.1	---
Total	8.78	2.21	27.06	16.54	125.41	292.3	249.1	61.97	10.53	27.76	244.34	518.77
Mean	0.28	0.07	0.87	0.53	4.32	9.43	8.30	2.00	0.35	0.90	7.88	17.3
Max	6.0	0.20	12	2.9	20	68	35	5.5	2.2	5.6	152	397
Min	0.00	0.03	0.04	0.16	0.81	1.3	1.3	0.60	0.08	0.07	0.01	0.31

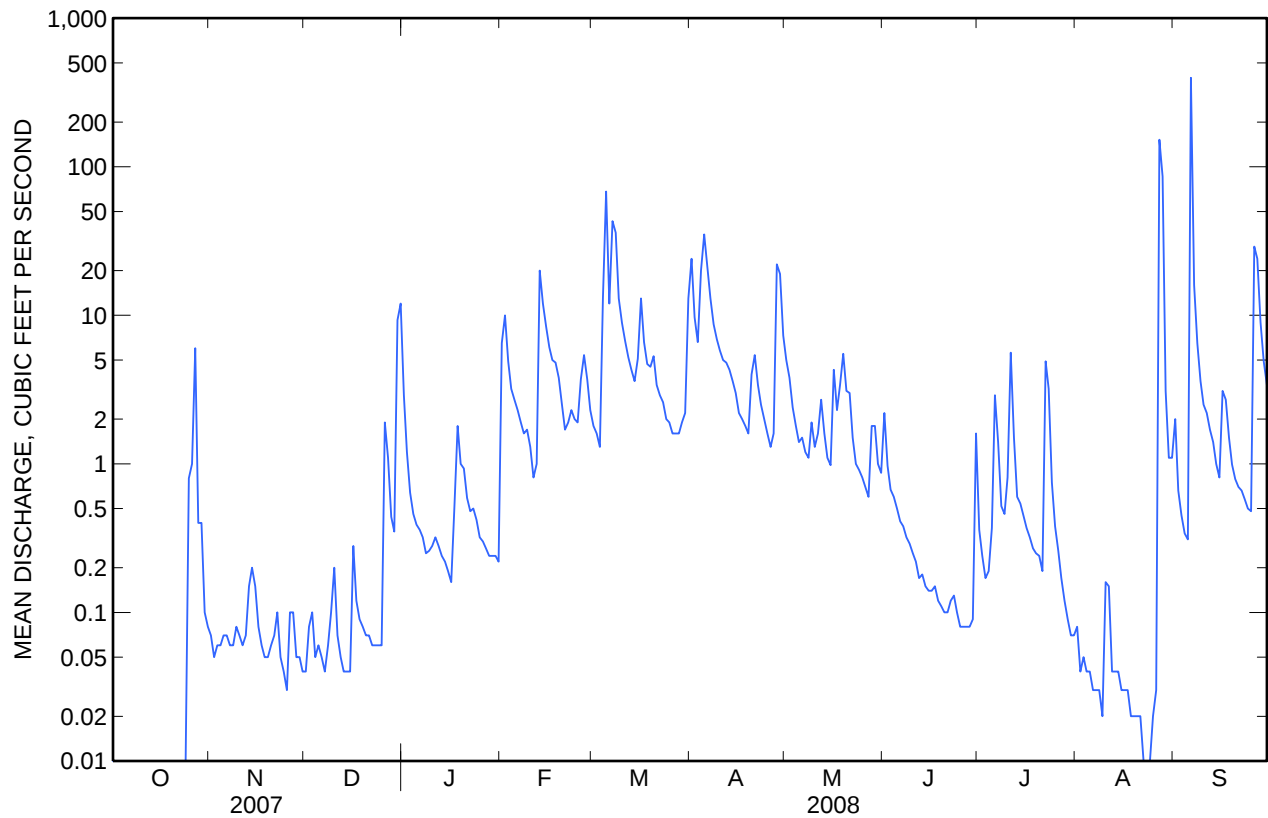
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	4.31	4.43	5.88	8.87	10.4	14.3	9.95	3.95	5.42	2.85	2.86	11.0
Max	32.9	17.0	20.7	27.3	36.2	49.9	30.0	15.1	29.7	9.12	10.6	74.0
(WY)	(2003)	(2007)	(2003)	(1998)	(1998)	(1998)	(2003)	(2003)	(1995)	(2006)	(2004)	(1996)
Min	0.03	0.06	0.26	0.53	1.55	1.12	1.14	0.19	0.29	0.10	0.01	0.00
(WY)	(1999)	(1999)	(2002)	(2008)	(2002)	(2006)	(2002)	(2002)	(1999)	(2002)	(1999)	(2007)

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

SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1995 - 2008	
Annual total	1,443.90		1,584.77			
Annual mean	3.96		4.33		6.99	
Highest annual mean					17.3	2003
Lowest annual mean					1.67	2002
Highest daily mean	233	Apr 15	397	Sep 6	1,000	Sep 6, 1996
Lowest daily mean	0.00	Aug 15	0.00	Oct 1	0.00	Aug 3, 1999
Annual seven-day minimum	0.00	Aug 28	0.00	Oct 1	0.00	Aug 3, 1999
Maximum peak flow			1,640	Aug 27	^a NOT DETERMINED	
Maximum peak stage			10.48	Aug 27	12.56	Sep 6, 1996
Instantaneous low flow			^a 0.00	Oct 1	^a 0.00	Aug 3, 1999
10 percent exceeds	7.1		6.5		12	
50 percent exceeds	0.35		0.50		2.0	
90 percent exceeds	0.00		0.03		0.08	

^aSee Remarks.

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. 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 2007 TO SEPTEMBER 2008**

Part 1 of 14

[QC, quality control sample. Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Time	Sample medium and type	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 unf 25 degC (00095)	Temperature, water, deg C (00010)
Dec									
11...	1245	Surface water, regular	.05	757	7.4	71	6.6	201	13.4
11...	1250	<i>QC - Surface water, replicate</i>	--	--	--	--	--	--	--
Feb									
13...	0900	Surface water, regular	23	745	10.5	85	5.5	82	5.6
Mar									
28...	1400	Surface water, regular	1.7	749	10.2	111	6.1	88	18.3
May									
22...	1545	Surface water, regular	1.4	745	8.5	95	7.3	101	19.7
Jun									
30...	1145	Surface water, regular	.95	740	7.8	94	7.3	111	23.6
Aug									
27...	1200	Surface water, regular	12	750	--	--	7.2	76	21.2
Sep									
06...	1100	Surface water, regular	1,090	741	7.4	87	6.8	43	21.9

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

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 14

[QC, quality control sample. Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, unfltrd mg/L as P (00665)	Alum- inum, water, unfltrd recover- able, µg/L (01105)	Arsenic water, unfltrd µg/L (01002)	Cadmium water, unfltrd µg/L (01027)	Chrom- ium, water, unfltrd recover- able, µg/L (01034)	Cobalt water, unfltrd recover- able, µg/L (01037)	Copper, water, unfltrd recover- able, µg/L (01042)
Dec													
11...	.21	<.020	<.016	--	<.002	E.004	.017	16	<.60	<.01	<.40	<.04	<1.2
11...	.21	<.020	<.016	--	<.002	.006	.017	15	<.60	<.01	E.26	<.04	<1.2
Feb													
13...	.81	.040	.614	.61	.004	.017	.132	665	.60	.02	.48	.89	2.1
Mar													
28...	.32	<.020	.097	--	<.002	<.006	.024	--	--	--	--	--	--
May													
22...	.43	<.020	.269	.26	.004	.010	.045	--	--	--	--	--	--
Jun													
30...	.61	.045	.722	.72	.006	.082	.079	274	.62	<.01	E.28	.39	1.3
Aug													
27...	1.3	.056	.220	.21	.006	.082	.38	3,040	1.5	.05	1.6	3.7	3.9
Sep													
06...	1.1	E.013	.208	.20	.006	.086	.278	873	1.0	E.01	.59	1.3	3.2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 14

[QC, quality control sample. Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Iron, water, unfltrd recover- able, µg/L (01045)	Lead, water, unfltrd recover- able, µg/L (01051)	Mangan- ese, water, unfltrd recover- able, µg/L (01055)	Mercury water, unfltrd recover- able, µg/L (71900)	Molyb- denum, water, unfltrd recover- able, µg/L (01062)	Nickel, water, unfltrd recover- able, µg/L (01067)	Selen- ium, water, unfltrd µg/L (01147)	Silver, water, unfltrd recover- able, µg/L (01077)	Zinc, water, unfltrd recover- able, µg/L (01092)	1-Naph- thol, water, fltrd 0.7u GF µg/L (49295)	2,4-D methyl ester, water, fltrd, µg/L (50470)	2,4-D plus 2,4-D methyl ester µg/L as 2,4-D (66496)	2,4-D, water, fltrd, µg/L (39732)
Dec													
11...	41	E.04	15.6	<.010	<.1	.20	E.07	<.02	<2.0	--	--	--	--
11...	41	E.04	15.6	<.010	<.1	.23	E.06	<.02	<2.0	--	--	--	--
Feb													
13...	974	1.80	239	E.008	<.1	.55	.12	<.02	6.8	--	--	--	--
Mar													
28...	--	--	--	--	--	--	--	--	--	--	--	--	--
May													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
Jun													
30...	899	1.30	144	E.006	.2	.45	.18	<.02	2.0	<.04	<.040	<.02	<.02
Aug													
27...	3,300	15.8	935	.018	.1	1.2	.18	.05	11.0	--	--	--	--
Sep													
06...	1,650	2.78	223	E.010	M	.65	.11	E.01	6.9	--	--	--	--

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

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 4 of 14

[QC, quality control sample. Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	2,4-DB, water, fltrd 0.7u GF µg/L (38746)	2,6-Di- ethyl- aniline, water, fltrd 0.7u GF µg/L (82660)	2Chloro -2',6'- diethyl acet- anilide wat flt µg/L (61618)	CIAT, water, fltrd, µg/L (04040)	CEAT, water, fltrd, µg/L (04038)	2-Ethyl -6- methyl- aniline water, fltrd, µg/L (61620)	OIET, water, fltrd, µg/L (50355)	3,4-Di- chloro- aniline water, fltrd, µg/L (61625)	3,5-Di- chloro- aniline water, fltrd, µg/L (61627)	3- Hydroxy carbo- furan, wat flt 0.7u GF µg/L (49308)	4- Chloro- 2methyl phenol, water, fltrd, µg/L (61633)	Aceto- chlor, water, fltrd, µg/L (49260)	Aci- fluor- fen, water, fltrd 0.7u GF µg/L (49315)
Dec 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
Mar 28...	--	--	--	--	--	--	--	--	--	--	--	--	--
May 22...	--	--	--	--	--	--	--	--	--	--	--	--	--
Jun 30...	<.02	<.002	<.010	E.013	<.08	<.010	.065	<.006	<.008	<.040	<.005	<.006	<.040
Aug 27...	--	--	--	--	--	--	--	--	--	--	--	--	--
Sep 06...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 5 of 14

[QC, quality control sample. Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Ala- chlor, water, fltrd, µg/L (46342)	Aldi- carb sulfone water, fltrd 0.7u GF µg/L (49313)	Aldi- carb sulf- oxide, wat flt 0.7u GF µg/L (49314)	Aldi- carb, water, fltrd 0.7u GF µg/L (49312)	alpha- Endo- sulfan, water, fltrd, µg/L (34362)	alpha- HCH, water, fltrd, µg/L (34253)	Atra- zine, water, fltrd, µg/L (39632)	Azin- phos- methyl oxon, water, fltrd, µg/L (61635)	Azin- phos- methyl, water, fltrd 0.7u GF µg/L (82686)	Bendio- carb, water, fltrd, µg/L (50299)	Ben- flur- alin, water, fltrd 0.7u GF µg/L (82673)	Benomyl water, fltrd, µg/L (50300)	Bensul- furon- methyl, water, fltrd, µg/L (61693)
Dec 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
Mar 28...	--	--	--	--	--	--	--	--	--	--	--	--	--
May 22...	--	--	--	--	--	--	--	--	--	--	--	--	--
Jun 30...	<.006	<.08	<.060	<.12	<.006	<.002	.014	<.04	<.120	<.04	<.004	<.040	<.06
Aug 27...	--	--	--	--	--	--	--	--	--	--	--	--	--
Sep 06...	--	--	--	--	--	--	--	--	--	--	--	--	--

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

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 6 of 14

[QC, quality control sample. Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Ben- tazon, water, fltrd 0.7u GF µg/L (38711)	Broma- cil, water, fltrd, µg/L (04029)	Brom- oxynil, water, fltrd 0.7u GF µg/L (49311)	Butyl- ate, water, fltrd, µg/L (04028)	Caf- feine, water, fltrd, µg/L (50305)	Car- baryl, water, fltrd 0.7u GF µg/L (49310)	Carbo- furan, water, fltrd 0.7u GF µg/L (49309)	Chlor- amben methyl ester, water, fltrd, µg/L (61188)	Chlori- muron- ethyl, water, fltrd, µg/L (50306)	Chlor- pyrifos water, fltrd, µg/L (38933)	cis- Per- methrin water fltrd 0.7u GF µg/L (82687)	cis- Propi- cona- zole, water, fltrd, µg/L (79846)	Clopyr- alid, water, fltrd 0.7u GF µg/L (49305)
Dec 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
Mar 28...	--	--	--	--	--	--	--	--	--	--	--	--	--
May 22...	--	--	--	--	--	--	--	--	--	--	--	--	--
Jun 30...	<.04	<.02	<.12	<.002	<.060	<.04	<.020	<.10	<.080	<.005	<.010	<.006	<.06
Aug 27...	--	--	--	--	--	--	--	--	--	--	--	--	--
Sep 06...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 7 of 14

[QC, quality control sample. Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Cyana- zine, water, fltrd, µg/L (04041)	Cyclo- ate, water, fltrd, µg/L (04031)	Cyflu- thrin, water, fltrd, µg/L (61585)	lambda- Cyhalo- thrin, water, fltrd, µg/L (61595)	Cyper- methrin water, fltrd, µg/L (61586)	Dacthal mono- acid, water, fltrd 0.7u GF µg/L (49304)	DCPA, water, fltrd 0.7u GF µg/L (82682)	Desulf- inyl- fipro- nil, water, fltrd, µg/L (62170)	Diazi- non, water, fltrd, µg/L (39572)	Dicamba water, fltrd 0.7u GF µg/L (38442)	Di- chlor- prop, water, fltrd 0.7u GF µg/L (49302)	Dicro- tophos, water, fltrd, µg/L (38454)	Diel- drin, water, fltrd, µg/L (39381)
Dec 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
Mar 28...	--	--	--	--	--	--	--	--	--	--	--	--	--
May 22...	--	--	--	--	--	--	--	--	--	--	--	--	--
Jun 30...	<.020	<.02	<.016	<.004	<.014	<.02	<.003	<.012	<.005	<.04	<.02	<.08	<.009
Aug 27...	--	--	--	--	--	--	--	--	--	--	--	--	--
Sep 06...	--	--	--	--	--	--	--	--	--	--	--	--	--

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

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 8 of 14

[QC, quality control sample. Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Dimeth- oate, water, fltrd 0.7u GF µg/L (82662)	Dinoseb water, fltrd 0.7u GF µg/L (49301)	Diphen- amid, water, fltrd, µg/L (04033)	Disulf- oton sulfone water, fltrd, µg/L (61640)	Disul- foton, water, fltrd 0.7u GF µg/L (82677)	Diuron, water, fltrd 0.7u GF µg/L (49300)	Endo- sulfan sulfate water, fltrd, µg/L (61590)	EPTC, water, fltrd 0.7u GF µg/L (82668)	Ethal- flur- alin, water, fltrd 0.7u GF µg/L (82663)	Ethion monoxon water, fltrd, µg/L (61644)	Etho- prop, water, fltrd 0.7u GF µg/L (82672)	Fenami- phos sulfone water, fltrd, µg/L (61645)	Fenami- phos sulf- oxide, water, fltrd, µg/L (61646)
Dec 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
Mar 28...	--	--	--	--	--	--	--	--	--	--	--	--	--
May 22...	--	--	--	--	--	--	--	--	--	--	--	--	--
Jun 30...	<.006	<.04	<.04	<.01	<.04	<.04	<.022	<.002	<.009	<.02	<.012	<.053	<.20
Aug 27...	--	--	--	--	--	--	--	--	--	--	--	--	--
Sep 06...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 9 of 14

[QC, quality control sample. Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Fenami- phos, water, fltrd, µg/L (61591)	Fenuron water, fltrd 0.7u GF µg/L (49297)	Desulf- inyl- fipro- nil amide, wat flt µg/L (62169)	Fipro- nil sulfide water, fltrd, µg/L (62167)	Fipro- nil sulfone water, fltrd, µg/L (62168)	Fipro- nil, water, fltrd, µg/L (62166)	Flumet- sulam, water, fltrd, µg/L (61694)	Fluo- meturon water, fltrd 0.7u GF µg/L (38811)	Fonofos water, fltrd, µg/L (04095)	Hexa- zinone, water, fltrd, µg/L (04025)	Imaza- quin, water, fltrd, µg/L (50356)	Imaze- thapyr, water, fltrd, µg/L (50407)	Imida- cloprid water, fltrd, µg/L (61695)
Dec 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
Mar 28...	--	--	--	--	--	--	--	--	--	--	--	--	--
May 22...	--	--	--	--	--	--	--	--	--	--	--	--	--
Jun 30...	<.03	<.04	<.029	<.013	<.024	<.020	<.06	<.04	<.010	<.008	<.04	<.04	<.060
Aug 27...	--	--	--	--	--	--	--	--	--	--	--	--	--
Sep 06...	--	--	--	--	--	--	--	--	--	--	--	--	--

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

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 10 of 14

[QC, quality control sample. Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Ipro- dione, water, fltrd, µg/L (61593)	Isofen- phos, water, fltrd, µg/L (61594)	Lindane water, fltrd, µg/L (39341)	Linuron water, fltrd 0.7u GF µg/L (38478)	Mala- oxon, water, fltrd, µg/L (61652)	Mala- thion, water, fltrd, µg/L (39532)	MCPA, water, fltrd 0.7u GF µg/L (38482)	MCPB, water, fltrd 0.7u GF µg/L (38487)	Meta- laxyl, water, fltrd, µg/L (50359)	Methid- athion, water, fltrd, µg/L (61598)	Methio- carb, water, fltrd 0.7u GF µg/L (38501)	Meth- omyl, water, fltrd 0.7u GF µg/L (49296)	Methyl para- oxon, water, fltrd, µg/L (61664)
Dec 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
Mar 28...	--	--	--	--	--	--	--	--	--	--	--	--	--
May 22...	--	--	--	--	--	--	--	--	--	--	--	--	--
Jun 30...	<.01	<.006	<.006	<.02	<.020	<.016	<.06	<.06	<.02	<.004	<.040	<.120	<.01
Aug 27...	--	--	--	--	--	--	--	--	--	--	--	--	--
Sep 06...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 11 of 14

[QC, quality control sample. Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Methyl para- thion, water, fltrd 0.7u GF µg/L (82667)	Metola- chlor, water, fltrd, µg/L (39415)	Metri- buzin, water, fltrd, µg/L (82630)	Metsul- furon- methyl, water, fltrd, µg/L (61697)	Moli- nate, water, fltrd 0.7u GF µg/L (82671)	Myclo- butanil water, fltrd, µg/L (61599)	N-(4- Chloro- phenyl) -N'- methyl- urea, µg/L (61692)	Naprop- amide, water, fltrd 0.7u GF µg/L (82684)	Neburon water, fltrd 0.7u GF µg/L (49294)	Nico- sul- furon, water, fltrd, µg/L (50364)	Norflur azon, water, fltrd 0.7u GF µg/L (49293)	Ory- zalin, water, fltrd 0.7u GF µg/L (49292)	Oxamyl, water, fltrd 0.7u GF µg/L (38866)
Dec 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
Mar 28...	--	--	--	--	--	--	--	--	--	--	--	--	--
May 22...	--	--	--	--	--	--	--	--	--	--	--	--	--
Jun 30...	<.008	<.010	<.012	<.14	<.002	<.010	<.12	<.018	<.02	<.10	<.02	<.04	<.12
Aug 27...	--	--	--	--	--	--	--	--	--	--	--	--	--
Sep 06...	--	--	--	--	--	--	--	--	--	--	--	--	--

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

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 12 of 14

[QC, quality control sample. Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Oxy-fluor-fen, water, fltrd, µg/L (61600)	p,p'-DDE, water, fltrd, µg/L (34653)	Para-thion, water, fltrd, µg/L (39542)	Peb-ulate, water, fltrd, 0.7u GF µg/L (82669)	Pendi-meth-alin, water, fltrd, 0.7u GF µg/L (82683)	Phorate oxon, water, fltrd, µg/L (61666)	Phorate water, fltrd, 0.7u GF µg/L (82664)	Phosmet oxon, water, fltrd, µg/L (61668)	Phosmet water, fltrd, µg/L (61601)	Pic-loram, water, fltrd, 0.7u GF µg/L (49291)	Prome-ton, water, fltrd, µg/L (04037)	Prome-tryn, water, fltrd, µg/L (04036)	Propy-zamide, water, fltrd, 0.7u GF µg/L (82676)
Dec 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
Mar 28...	--	--	--	--	--	--	--	--	--	--	--	--	--
May 22...	--	--	--	--	--	--	--	--	--	--	--	--	--
Jun 30...	<.006	<.003	<.010	<.004	<.012	<.03	<.040	<.05	<.008	<.12	.03	<.006	<.004
Aug 27...	--	--	--	--	--	--	--	--	--	--	--	--	--
Sep 06...	--	--	--	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 13 of 14

[QC, quality control sample. Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Propa-chlor, water, fltrd, µg/L (04024)	Pro-panil, water, fltrd, 0.7u GF µg/L (82679)	Propar-gite, water, fltrd, 0.7u GF µg/L (82685)	Propham water, fltrd, 0.7u GF µg/L (49236)	Propi-cona-zole, water, fltrd, µg/L (50471)	Pro-poxur, water, fltrd, 0.7u GF µg/L (38538)	Sima-zine, water, fltrd, µg/L (04035)	Sulfo-met-ruron-methyl, water, fltrd, µg/L (50337)	Tebu-thiuron water, fltrd, 0.7u GF µg/L (82670)	Teflu-thrin, water, fltrd, µg/L (61606)	Terba-cil, water, fltrd, µg/L (04032)	Ter-bufos oxon sulfone water, fltrd, µg/L (61674)	Terbu-fos, water, fltrd, 0.7u GF µg/L (82675)
Dec 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
Feb 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
Mar 28...	--	--	--	--	--	--	--	--	--	--	--	--	--
May 22...	--	--	--	--	--	--	--	--	--	--	--	--	--
Jun 30...	<.006	<.006	<.04	<.040	<.04	<.040	<.006	<.060	<.02	<.005	<.040	<.04	<.02
Aug 27...	--	--	--	--	--	--	--	--	--	--	--	--	--
Sep 06...	--	--	--	--	--	--	--	--	--	--	--	--	--

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

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 14 of 14

[QC, quality control sample. Remark codes: <, less than; E, estimated; M, presence verified but not quantified.]

Date	Ter- buthyl- azine, water, fltrd, µg/L (04022)	Thio- bencarb water, fltrd 0.7u GF µg/L (82681)	trans- Propi- cona- zole, water, fltrd, µg/L (79847)	Tri- allate, water, fltrd 0.7u GF µg/L (82678)	Tribu- phos, water, fltrd, µg/L (61610)	Tri- clopyr, water, fltrd 0.7u GF µg/L (49235)	Tri- flur- alin, water, fltrd 0.7u GF µg/L (82661)	Di- chlor- vos, water, fltrd, µg/L (38775)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)	Data base number	Medium code
Dec												
11...	--	--	--	--	--	--	--	--	2	.00	01	WS
11...	--	--	--	--	--	--	--	--	--	--	04	WSQ
Feb												
13...	--	--	--	--	--	--	--	--	61	3.8	01	WS
Mar												
28...	--	--	--	--	--	--	--	--	7	.03	01	WS
May												
22...	--	--	--	--	--	--	--	--	7	.03	01	WS
Jun												
30...	<.01	<.010	<.02	<.006	<.035	.36	<.006	<.01	32	.08	01	WS
Aug												
27...	--	--	--	--	--	--	--	--	433	14	01	WS
Sep												
06...	--	--	--	--	--	--	--	--	105	309	01	WS