

Water-Data Report 2010

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.--7.97 mi².

SURFACE-WATER RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 360.95 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good. Maximum gage height for period of record, from floodmarks, occurred September 6, 1996. No flow occurs some days most years.

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

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.35	13	3.5	4.8	10	5.5	8.2	1.5	4.3	0.47	0.90	0.16
2	0.33	6.0	73	3.6	16	5.4	6.7	1.4	3.7	0.41	0.81	0.17
3	0.31	2.7	94	2.9	63	6.3	5.9	1.3	3.3	0.36	0.67	0.15
4	0.28	1.9	13	2.7	39	5.4	5.3	1.3	2.8	0.34	0.63	0.12
5	0.27	1.6	24	2.6	176	4.8	4.9	1.2	2.4	0.30	1.3	0.12
6	0.28	1.3	13	2.5	134	4.4	4.5	1.1	2.0	0.26	3.1	0.11
7	0.26	1.1	7.3	2.4	36	4.3	4.2	0.89	1.8	0.25	1.3	0.11
8	0.21	0.99	6.0	2.6	21	4.3	4.0	0.78	1.6	0.25	0.76	0.11
9	0.21	0.85	97	2.2	18	4.1	4.1	0.57	1.4	0.37	0.59	0.12
10	0.20	1.3	20	2.1	20	4.1	3.4	0.52	1.4	0.27	0.49	0.12
11	0.18	129	7.3	2.6	12	4.5	3.3	0.60	1.2	0.26	0.43	0.12
12	0.19	110	5.0	2.1	10	6.0	3.2	0.69	1.1	0.25	0.41	0.13
13	0.25	76	20	2.1	11	21	3.1	0.67	1.3	2.0	0.37	0.12
14	0.22	15	13	2.0	9.3	25	2.9	0.68	1.1	11	0.35	0.12
15	0.27	7.5	6.9	2.0	9.1	14	3.1	0.55	0.91	1.2	0.34	0.11
16	0.29	5.7	4.8	2.0	9.7	8.8	3.1	1.3	35	0.68	0.32	0.10
17	0.26	4.7	3.8	50	7.9	7.2	2.6	21	7.8	1.9	0.29	0.11
18	0.21	4.1	3.7	17	7.0	6.6	2.3	24	2.9	26	0.28	0.11
19	0.21	9.7	42	6.8	6.2	5.9	2.1	4.7	2.0	36	0.45	0.11
20	0.19	6.9	18	4.8	5.8	5.4	2.3	3.1	1.7	3.3	0.39	0.13
21	0.18	4.6	11	6.5	5.7	5.2	2.3	1.8	1.3	2.0	0.33	0.10
22	0.17	3.6	8.4	31	8.5	5.2	3.3	38	1.1	1.5	0.27	0.10
23	0.17	68	6.5	9.2	9.4	4.9	2.8	94	0.95	1.1	0.26	0.10
24	0.48	28	5.4	6.3	9.3	4.6	2.3	16	0.80	0.88	2.0	0.10
25	0.78	10	91	274	11	4.5	3.1	6.6	0.66	0.74	0.57	0.11
26	0.37	7.0	44	36	7.3	5.0	2.7	4.3	0.68	0.87	0.40	0.15
27	0.37	5.6	12	18	6.5	4.4	2.1	3.2	1.0	1.4	0.30	0.81
28	4.4	4.3	7.2	13	5.9	4.4	1.8	12	0.72	1.6	0.27	1.6
29	1.7	3.8	5.0	10	---	91	1.6	66	0.56	1.0	0.24	1.4
30	1.1	3.8	4.0	12	---	26	1.7	9.0	0.49	0.79	0.21	51
31	0.90	---	5.2	11	---	12	---	5.0	---	0.72	0.19	---
Total	15.59	538.04	675.0	546.8	684.6	320.2	102.9	323.75	87.97	98.47	19.22	57.92
Mean	0.50	17.9	21.8	17.6	24.4	10.3	3.43	10.4	2.93	3.18	0.62	1.93
Max	4.4	129	97	274	176	91	8.2	94	35	36	3.1	51
Min	0.17	0.85	3.5	2.0	5.7	4.1	1.6	0.52	0.49	0.25	0.19	0.10
Med	0.27	5.2	8.4	4.8	9.8	5.4	3.1	1.5	1.4	0.79	0.40	0.12
Ac-ft	31	1,070	1,340	1,080	1,360	635	204	642	174	195	38	115
Cfsm	0.06	2.25	2.73	2.21	3.07	1.30	0.43	1.31	0.37	0.40	0.08	0.24
In.	0.07	2.51	3.15	2.55	3.20	1.49	0.48	1.51	0.41	0.46	0.09	0.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2010, BY WATER YEAR (WY)

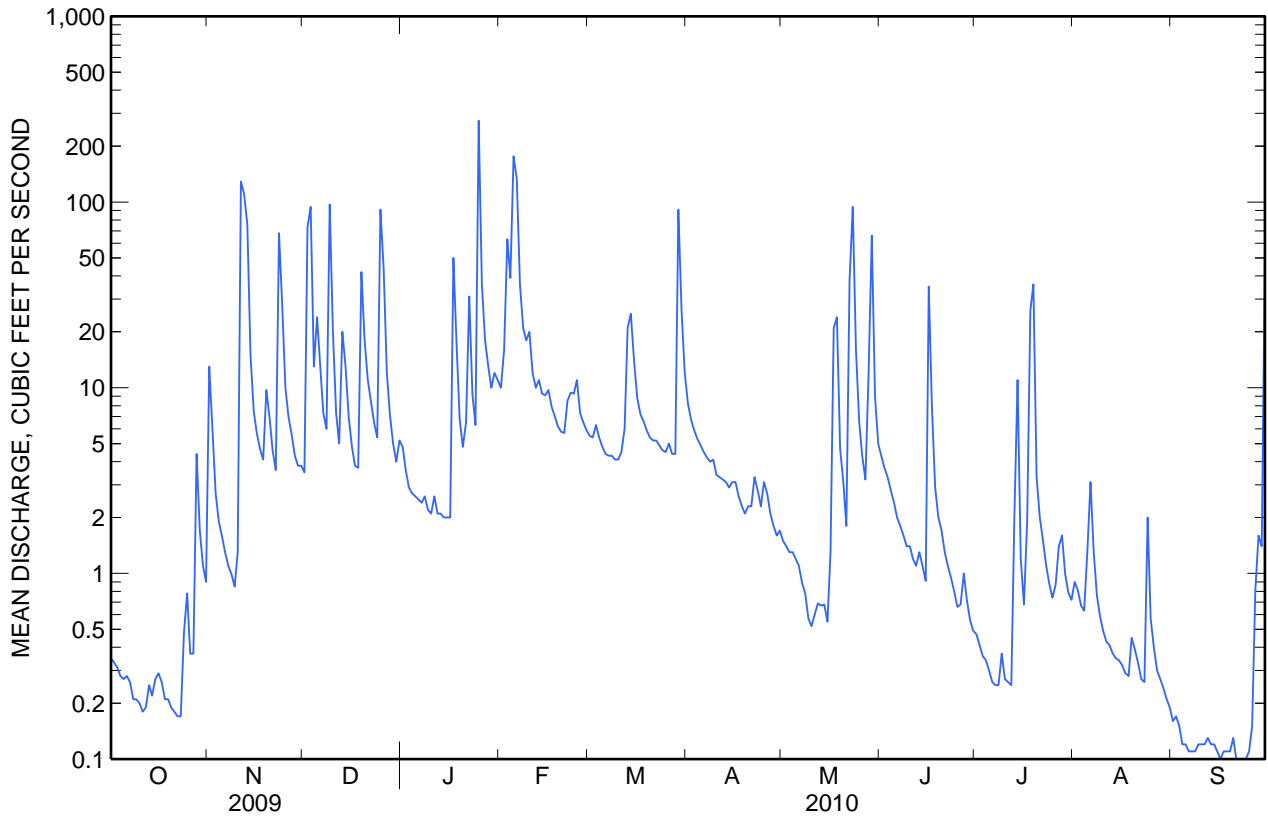
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	3.86	5.10	6.95	9.27	10.8	14.3	9.33	4.25	5.49	2.85	2.58	9.80
Max	32.9	17.9	21.8	27.3	36.2	49.9	30.0	15.1	29.7	9.12	10.6	74.0
(WY)	(2003)	(2010)	(2010)	(1998)	(1998)	(1998)	(2003)	(2003)	(1995)	(2006)	(2004)	(1996)
Min	0.03	0.06	0.26	0.53	1.55	1.12	1.14	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 2009		Water Year 2010		Water Years 1995 - 2010	
Annual total	2,706.98		3,470.46			
Annual mean	7.42		9.51		7.01	
Highest annual mean					17.3	2003
Lowest annual mean					1.67	2002
Highest daily mean	129	Nov 11	274	Jan 25	1,000	Sep 6, 1996
Lowest daily mean	0.14	Sep 6	0.10	Sep 16	0.00	Aug 3, 1999
Annual seven-day minimum	0.17	Sep 10	0.11	Sep 18	0.00	Aug 3, 1999
Maximum peak flow			1,180	Jan 25		
Maximum peak stage			9.55	Jan 25	^a 12.56	Sep 6, 1996
Instantaneous low flow			0.07	Sep 16	^a 0.00	Aug 3, 1999
Annual runoff (ac-ft)	5,370		6,880		5,080	
Annual runoff (cfsm)	0.931		1.19		0.880	
Annual runoff (inches)	12.63		16.20		11.96	
10 percent exceeds	15		20		12	
50 percent exceeds	2.5		2.6		2.0	
90 percent exceeds	0.23		0.21		0.09	

^a See 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 2009 TO SEPTEMBER 2010**

Part 1 of 18

[%, percent; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated]

Date	Sample start time	Medium name	Sample type	Barometric pressure, mm Hg (00025)	Discharge, instantaneous, ft ³ /s (00061)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, μS/cm at 25 °C (00095)	Temperature, water, °C (00010)
11-11-2009	0945	Surface water	Regular	758	155	9.3	89	6.1	76	12.9
12-03-2009	1245	Surface water	Regular	748	49	9.5	91	6.0	59	12.6
02-18-2010	1400	Surface water	Regular	752	6.8	12.2	99	5.9	94	5.9
05-04-2010	1245	Surface water	Regular	750	1.4	8.1	92	6.7	113	20.6
06-24-2010	0945	Surface water	Regular	751	.93	8.1	98	7.2	114	24.1
08-27-2010	1330	Surface water	Regular	752	.32	8.6	103	7.0	121	23.7

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 2 of 18

[%, percent; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated]

Date	Ammonia plus organic nitrogen, water, unfiltered, mg/L as N (00625)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrate, water, filtered, mg/L as N (00618)	Nitrite, water, filtered, mg/L as N (00613)	Orthophosphate, water, filtered, mg/L as P (00671)	Phosphorus, water, unfiltered, mg/L as P (00665)	Aluminum, water, unfiltered, recoverable, μg/L (01105)	Cadmium, water, unfiltered, μg/L (01027)
11-11-2009	1.7	.135	.541	.533	.008	.179	.665	2,070	.06
12-03-2009	.70	E .012	.382	.378	.004	.017	.117	--	--
02-18-2010	.10	E .017	.677	.675	.002	E .007	.029	--	--
05-04-2010	.32	.022	.531	.524	.007	.011	.031	--	--
06-24-2010	.34	E .018	.610	E .608	E .002	.012	.038	--	--
08-27-2010	.27	< .020	.396	< .396	< .002	.018	.037	--	--

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

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 3 of 18

[%, percent; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated]

Date	Chromium, water, unfiltered, recoverable, μg/L (01034)	Cobalt, water, unfiltered, recoverable, microgram s per liter (01037)	Copper, water, unfiltered, recoverable, μg/L (01042)	Iron, water, unfiltered, recoverable, μg/L (01045)	Lead, water, unfiltered, recoverable, μg/L (01051)	Manganese, water, unfiltered, recoverable, μg/L (01055)	Mercury, water, unfiltered, recoverable, μg/L (71900)	Molybdenum, water, unfiltered, recoverable, microgram s per liter (01062)	Nickel, water, unfiltered, recoverable, μg/L (01067)	Silver, water, unfiltered, recoverable, μg/L (01077)
11-11-2009	1.6	5.2	4.9	6,340	8.75	1,560	.024	E .1	1.2	.04
12-03-2009	--	--	--	--	--	--	--	--	--	--
02-18-2010	--	--	--	--	--	--	--	--	--	--
05-04-2010	--	--	--	--	--	--	--	--	--	--
06-24-2010	--	--	--	--	--	--	--	--	--	--
08-27-2010	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 4 of 18

[%, percent; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated]

Date	Zinc, water, unfiltered, recoverable, μg/L (01092)	Arsenic, water, unfiltered, μg/L (01002)	Selenium, water, unfiltered, μg/L (01147)	1- Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (49295)	2,4-D methyl ester, water, filtered, recoverable, μg/L (50470)	2,4-D plus 2,4-D methyl ester, sum on a molar basis, microgram s per liter as 2,4-D (66496)	2,4-D, water, filtered, recoverable, μg/L (39732)	2,4-DB, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (38746)	2,6-Diethyl aniline, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82660)	2-Chloro- 2',6'- diethyl acetanil ide, water, filtered, recoverable, μg/L (61618)
11-11-2009	14.3	1.8	.20	< .04	< .200	< .06	< .06	< .02	< .006	< .010
12-03-2009	--	--	--	--	--	--	--	--	--	--
02-18-2010	--	--	--	--	--	--	--	--	--	--
05-04-2010	--	--	--	--	--	--	--	--	--	--
06-24-2010	--	--	--	--	--	--	--	--	--	--
08-27-2010	--	--	--	--	--	--	--	--	--	--

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

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 5 of 18

[%, percent; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated]

Date	2-Chloro-4-isopropyl amino-6-triazine, water, filtered, recoverable, μg/L (04040)	2-Chloro-6-ethyl amino-4-triazine, water, filtered, recoverable, μg/L (04038)	2-Ethyl-6-methyl aniline, water, filtered, recoverable, μg/L (61620)	2-Hydroxy-4-iso propyl amino-6-ethyl triazine, water, filtered, recoverable, μg/L (50355)	3,4-Dichloro aniline, water, filtered, recoverable, μg/L (61625)	3,5-Di chloro aniline, water, filtered, recoverable, μg/L (61627)	3-Hydroxy carbo furan, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (49308)	4-Chloro-2-methyl phenol, water, filtered, recoverable, μg/L (61633)	Acetochlor, water, filtered, recoverable, μg/L (49260)	Aci fluor fen, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (49315)
	11-11-2009	< .014	< .06	< .010	< .060	< .004	< .003	< .040	< .003	< .010
12-03-2009	--	--	--	--	--	--	--	--	--	--
02-18-2010	--	--	--	--	--	--	--	--	--	--
05-04-2010	--	--	--	--	--	--	--	--	--	--
06-24-2010	--	--	--	--	--	--	--	--	--	--
08-27-2010	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 6 of 18

[%, percent; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated]

Date	Alachlor, water, filtered, recoverable, μg/L (46342)	Aldicarb sulfone, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (49313)	Aldicarb sulfoxide, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (49314)	Aldicarb, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (49312)	alpha-Endo sulfan, water, filtered, recoverable, μg/L (34362)	alpha-HCH, water, filtered, recoverable, μg/L (34253)	Atrazine, water, filtered, recoverable, μg/L (39632)	Azinphos-methyl oxygen analog, water, filtered, recoverable, μg/L (61635)	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82686)	Bendio carb, water, filtered, recoverable, μg/L (50299)
	11-11-2009	< .008	< .08	< .060	< .12	< .006	< .004	< .007	< .04	< .120
12-03-2009	--	--	--	--	--	--	--	--	--	--
02-18-2010	--	--	--	--	--	--	--	--	--	--
05-04-2010	--	--	--	--	--	--	--	--	--	--
06-24-2010	--	--	--	--	--	--	--	--	--	--
08-27-2010	--	--	--	--	--	--	--	--	--	--

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

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 7 of 18

[%, percent; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated]

Date	Ben fluralin, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (82673)	Benomyl, water, filtered, recover able, μg/L (50300)	Ben sulfuron- methyl, water, filtered, recover able, μg/L (61693)	Bentazon, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (38711)	Bromacil, water, filtered, recover able, μg/L (04029)	Brom oxnyl, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (49311)	Butylate, water, filtered, recover able, μg/L (04028)	Carbaryl, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (49310)	Carbo furan, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (49309)	Chlor amben methyl ester, water, filtered, recover able, μg/L (61188)
11-11-2009	< .014	< .060	< .06	< .06	< .06	< .12	< .004	< .04	< .040	< .10
12-03-2009	--	--	--	--	--	--	--	--	--	--
02-18-2010	--	--	--	--	--	--	--	--	--	--
05-04-2010	--	--	--	--	--	--	--	--	--	--
06-24-2010	--	--	--	--	--	--	--	--	--	--
08-27-2010	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 8 of 18

[%, percent; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated]

Date	Chlori muron- ethyl, water, filtered, recover able, μg/L (50306)	Chlor pyrifos, water, filtered, recover able, μg/L (38933)	cis- Permeth rin, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (82687)	cis- Propicon azole, water, filtered, recover able, μg/L (79846)	Clopyr alid, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (49305)	Cyanazine, water, filtered, recover able, μg/L (04041)	Cycloate, water, filtered, recover able, μg/L (04031)	Cyfluthrin, water, filtered, recover able, μg/L (61585)	Cyper methrin, water, filtered, recover able, μg/L (61586)	Dacthal monoacid, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (49304)
11-11-2009	< .080	< .010	< .014	< .006	< .06	< .022	< .04	< .016	< .020	< .04
12-03-2009	--	--	--	--	--	--	--	--	--	--
02-18-2010	--	--	--	--	--	--	--	--	--	--
05-04-2010	--	--	--	--	--	--	--	--	--	--
06-24-2010	--	--	--	--	--	--	--	--	--	--
08-27-2010	--	--	--	--	--	--	--	--	--	--

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

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 9 of 18

[%, percent; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated]

Date	DCPA, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (82682)	Desulfinyl fipronil amide, water, filtered, recover able, μg/L (62169)	Desulfinyl fipronil, water, filtered, recover able, μg/L (62170)	Diazinon, water, filtered, recover able, μg/L (39572)	Dicamba, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (38442)	Dichlor prop, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (49302)	Dichlorvos , water, filtered, recover able, μg/L (38775)	Dicro tophos, water, filtered, recover able, μg/L (38454)	Dieldrin, water, filtered, recover able, μg/L (39381)	Dimetho ate, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (82662)
	11-11-2009	< .008	< .029	< .012	< .005	< .04	< .04	< .02	< .08	< .009
12-03-2009	--	--	--	--	--	--	--	--	--	--
02-18-2010	--	--	--	--	--	--	--	--	--	--
05-04-2010	--	--	--	--	--	--	--	--	--	--
06-24-2010	--	--	--	--	--	--	--	--	--	--
08-27-2010	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 10 of 18

[%, percent; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated]

Date	Dinoseb, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (49301)	Di phenamid, water, filtered, recover able, μg/L (04033)	Di sulfoton sulfone, water, filtered, recover able, μg/L (61640)	Disulfoton, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (82677)	Diuron, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (49300)	Endo sulfan sulfate, water, filtered, recover able, μg/L (61590)	EPTC, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (82668)	Ethal fluralin, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (82663)	Ethion monoxon, water, filtered, recover able, μg/L (61644)	Ethoprop, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (82672)
	11-11-2009	< .04	< .04	< .01	< .04	< .04	< .014	< .002	< .006	< .02
12-03-2009	--	--	--	--	--	--	--	--	--	--
02-18-2010	--	--	--	--	--	--	--	--	--	--
05-04-2010	--	--	--	--	--	--	--	--	--	--
06-24-2010	--	--	--	--	--	--	--	--	--	--
08-27-2010	--	--	--	--	--	--	--	--	--	--

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

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 11 of 18

[%, percent; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated]

Date	Fenami phos sulfone, water, filtered, recoverable, μg/L (61645)	Fenami phos sulfoxide, water, filtered, recoverable, μg/L (61646)	Fenami phos, water, filtered, recoverable, μg/L (61591)	Fenuron, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (49297)	Fipronil sulfide, water, filtered, recoverable, μg/L (62167)	Fipronil sulfone, water, filtered, recoverable, μg/L (62168)	Fipronil, water, filtered, recoverable, μg/L (62166)	Flumet sulam, water, filtered, recoverable, μg/L (61694)	Fluometuron, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (38811)	Fonofos, water, filtered, recoverable, μg/L (04095)
11-11-2009	< .053	< .08	< .03	< .06	< .013	< .024	< .018	< .06	< .04	< .004
12-03-2009	--	--	--	--	--	--	--	--	--	--
02-18-2010	--	--	--	--	--	--	--	--	--	--
05-04-2010	--	--	--	--	--	--	--	--	--	--
06-24-2010	--	--	--	--	--	--	--	--	--	--
08-27-2010	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 12 of 18

[%, percent; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated]

Date	Hexa zinone, water, filtered, recoverable, μg/L (04025)	Imaza quin, water, filtered, recoverable, μg/L (50356)	Imazethapyr, water, filtered, recoverable, μg/L (50407)	Imidacloprid, water, filtered, recoverable, μg/L (61695)	Iprodione, water, filtered, recoverable, μg/L (61593)	Isofen phos, water, filtered, recoverable, μg/L (61594)	lambda-Cyhalothrin, water, filtered, recoverable, μg/L (61595)	Lindane, water, filtered, recoverable, μg/L (39341)	Linuron, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (38478)	Malaoxon, water, filtered, recoverable, μg/L (61652)
11-11-2009	< .008	< .06	< .06	< .060	< .014	< .006	< .010	< .004	< .04	< .080
12-03-2009	--	--	--	--	--	--	--	--	--	--
02-18-2010	--	--	--	--	--	--	--	--	--	--
05-04-2010	--	--	--	--	--	--	--	--	--	--
06-24-2010	--	--	--	--	--	--	--	--	--	--
08-27-2010	--	--	--	--	--	--	--	--	--	--

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

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 13 of 18

[%, percent; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated]

Date	Malathion,	MCPA,	MCPB,	Metalaxyl,	Methida	Methio	Methomyl,	Methyl	Metola	
	water,	water,	water,		thion,	carb,	water,			parathion,
	filtered,	filtered (0.7	filtered (0.7	water,	water,	water,	water,	water,	water,	
	recover	micron	micron	filtered,	filtered,	filtered (0.7	filtered (0.7	filtered,	filtered,	
	able,	glass fiber	glass fiber	recover	recover	micron	micron	recover	recover	
	μg/L	filter),	filter),	able,	able,	glass fiber	glass fiber	able,	able,	
	(39532)	recover	recover	μg/L	μg/L	filter),	filter),	μg/L	μg/L	
		able,	able,	(50359)	(61598)	recover	recover	(61664)	(82667)	
		μg/L	μg/L			able,	able,			
		(38482)	(38487)			μg/L	μg/L			
						(38501)	(49296)			
11-11-2009	< .016	< .04	< .20	< .04	< .006	< .040	< .120	< .01	< .008	< .014
12-03-2009	--	--	--	--	--	--	--	--	--	--
02-18-2010	--	--	--	--	--	--	--	--	--	--
05-04-2010	--	--	--	--	--	--	--	--	--	--
06-24-2010	--	--	--	--	--	--	--	--	--	--
08-27-2010	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 14 of 18

[%, percent; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated]

Date	Metribuzin	Metsul	Molinate,	Myclo	N-(4-	Naprop	Neburon,	Nico	Nor	Oryzalin,
	, water,	uron-	water,		Chloro	amide,			water,	
	filtered,	methyl,	filtered (0.7	butanil,	phenyl)-	water,	water,	water,	water,	water,
	recover	water,	micron	water,	N'-methyl	filtered (0.7	filtered (0.7	filtered (0.7	filtered (0.7	filtered (0.7
	able,	filtered,	glass fiber	filtered,	urea,	micron	micron	micron	micron	micron
	μg/L	recover	filter),	recover	water,	glass fiber	glass fiber	water,	glass fiber	glass fiber
	(82630)	able,	recover	able,	filtered,	filter),	filter),	filtered,	filter),	filter),
		μg/L	able,	μg/L	recover	recover	recover	recover	recover	recover
		(61697)	μg/L	(61599)	able,	able,	able,	able,	able,	able,
			(82671)		μg/L	μg/L	μg/L	μg/L	μg/L	μg/L
					(61692)	(82684)	(49294)	(50364)	(49293)	(49292)
11-11-2009	< .012	< .14	< .003	< .010	< .06	< .008	< .02	< .10	< .04	< .04
12-03-2009	--	--	--	--	--	--	--	--	--	--
02-18-2010	--	--	--	--	--	--	--	--	--	--
05-04-2010	--	--	--	--	--	--	--	--	--	--
06-24-2010	--	--	--	--	--	--	--	--	--	--
08-27-2010	--	--	--	--	--	--	--	--	--	--

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

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 15 of 18

[%, percent; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated]

Date	Oxamyl, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (38866)	Oxy fluorfen, water, filtered, recover able, μg/L (61600)	p,p'-DDE, water, filtered, recover able, μg/L (34653)	Para thion, water, filtered, recover able, μg/L (39542)	Pebulate, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (82669)	Pendi methalin, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (82683)	Phorate oxygen analog, water, filtered, recover able, μg/L (61666)	Phorate, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (82664)	Phosmet oxygen analog, water, filtered, recover able, μg/L (61668)	Phosmet, water, filtered, recover able, μg/L (61601)
	11-11-2009	< .12	< .010	< .002	< .020	< .016	< .012	< .03	< .020	< .05
12-03-2009	--	--	--	--	--	--	--	--	--	--
02-18-2010	--	--	--	--	--	--	--	--	--	--
05-04-2010	--	--	--	--	--	--	--	--	--	--
06-24-2010	--	--	--	--	--	--	--	--	--	--
08-27-2010	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 16 of 18

[%, percent; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated]

Date	Picloram, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (49291)	Prometon, water, filtered, recover able, μg/L (04037)	Prometryn, water, filtered, recover able, μg/L (04036)	Propa chlor, water, filtered, recover able, μg/L (04024)	Propanil, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (82679)	Propargite, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (82685)	Propham, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (49236)	Propicon azole, water, filtered, recover able, μg/L (50471)	Propoxur, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (38538)	Propyz amide, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (82676)
	11-11-2009	< .12	< .01	< .006	< .006	< .010	< .02	< .040	< .04	< .060
12-03-2009	--	--	--	--	--	--	--	--	--	--
02-18-2010	--	--	--	--	--	--	--	--	--	--
05-04-2010	--	--	--	--	--	--	--	--	--	--
06-24-2010	--	--	--	--	--	--	--	--	--	--
08-27-2010	--	--	--	--	--	--	--	--	--	--

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

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 17 of 18

[%, percent; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated]

Date	Simazine, water, filtered, recover able, μg/L (04035)	Sulfo meturon- methyl, water, filtered, recover able, μg/L (50337)	Tebu thiuron, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (82670)	Teflu thrin, water, filtered, recover able, μg/L (61606)	Terbacil, water, filtered, recover able, μg/L (04032)	Terbufos oxygen analog sulfone, water, filtered, recover able, μg/L (61674)	Terbufos, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (82675)	Terbuthyl azine, water, filtered, recover able, μg/L (04022)	Thioben carb, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (82681)	trans- Propicon azole, water, filtered, recover able, μg/L (79847)
	11-11-2009	< .006	< .060	< .03	< .010	< .040	< .04	< .02	< .01	< .016
12-03-2009	--	--	--	--	--	--	--	--	--	--
02-18-2010	--	--	--	--	--	--	--	--	--	--
05-04-2010	--	--	--	--	--	--	--	--	--	--
06-24-2010	--	--	--	--	--	--	--	--	--	--
08-27-2010	--	--	--	--	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 18 of 18

[%, percent; N, nitrogen; P, phosphorus; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; <, less than; E, estimated]

Date	Triate, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (82678)	Tri buphos, water, filtered, recover able, μg/L (61610)	Triclopyr, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (49235)	Tri fluralin, water, filtered (0.7 micron glass fiber filter), recover able, μg/L (82661)	Caffeine, water, filtered, recover able, μg/L (50305)	Suspended sediment concen tration, mg/L (80154)	Suspended sediment discharge, tons per day (80155)
	11-11-2009	< .006	< .018	< .08	< .018	< .080	406
12-03-2009	--	--	--	--	--	37	4.9
02-18-2010	--	--	--	--	--	11	.20
05-04-2010	--	--	--	--	--	10	.04
06-24-2010	--	--	--	--	--	10	.03
08-27-2010	--	--	--	--	--	4	.00