

0209517912 NORTH BUFFALO CREEK AT GREENSBORO, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 2002 to November 2003 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: August 2002 to November 2003.

INSTRUMENTAION.--Logging pressure transducer with water temperature probe.

REMARKS.--Station operated as part of NAWQA Urban Land Use Gradient study.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum recorded, 28.4°C, Aug. 29, 2003; minimum recorded, 0.0°C, Jan. 12, 13, 17-20, 22-28, Feb. 16, 17, 2003.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Medium code	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 unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L (00625)	Ammonia water, fltrd, mg/L (71846)
FEB 20...	1200	9	E3.0	748	12.9	108	7.8	332	6.9	55.5	16.1	0.50	0.10
MAY 14...	1400	D	1.2	--	8.5	--	7.8	254	19.5	--	--	--	--
JUN 12...	1515	9	--	--	7.1	--	6.9	249	22.0	--	--	--	--
JUL 01...	0740	9	--	--	--	--	--	--	--	--	--	--	--
JUL 09...	0830	9	E1.5	742	6.5	80	6.9	231	24.4	14.2	13.3	0.41	--
Date	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)	Organic nitrogen, water, unfltrd mg/L (00605)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)
FEB 20...	0.08	0.71	E.007	0.42	--	E.01	0.12	0.071	1.2	1.1	<0.1	1.1	3.3
MAY 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 09...	E.03	0.47	E.007	--	0.135	0.04	0.03	0.082	0.87	0.5	<0.1	0.5	3.5
Date	Biomass periphyton, ashfree drymass g/m2 (49954)	Periphyton biomass ash weight, g/m2 (00572)	Periphyton biomass dry weight, g/m2 (00573)	Biomass chlorophyll ratio, periphyton, number (70950)	Pheophytin a, periphyton, mg/m2 (62359)	E coli, modif. m-TEC, water, col/100 mL (90902)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethyl-aniline water fltrd 0.7u GF ug/L (82660)	2-[(2-Et-6-Me-Ph)-amino]propan-1-ol, ug/L (61615)	2Chloro-2,6-diethyl acet-anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methyl-aniline water, fltrd, ug/L (61620)
FEB 20...	--	--	--	--	--	2,700	--	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004
MAY 14...	0.7	8.9	9.600	152	3.2	--	4.6	--	--	--	--	--	--
JUN 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 01...	--	--	--	--	--	600	--	--	--	--	--	--	--
JUL 09...	--	--	--	--	--	--	--	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	3,4-Di-chloro-aniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl oxon, water, fltrd, ug/L (61635)	Azin-phos-methyl, water, fltrd, 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd, 0.7u GF ug/L (82673)	Car-baryl, water, fltrd, 0.7u GF ug/L (82680)	Chlor-pyrifos oxon, water, fltrd, ug/L (61636)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd, 0.7u GF ug/L (82687)	Cyflu-thrin, water, fltrd, ug/L (61585)
FEB 20...	<0.004	E.001	<0.006	<0.004	<0.007	<0.02	<0.050	<0.010	E.004	<0.06	<0.005	<0.006	<0.008
MAY 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 09...	0.011	<0.006	<0.006	<0.004	<0.007	<0.02	<0.050	<0.010	E.029	<0.06	<0.005	<0.006	<0.008
Date	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd, 0.7u GF ug/L (82682)	Desulf-inyl fipronil, water, fltrd, ug/L (62170)	Diaz-inon oxon, water, fltrd, ug/L (61638)	Diazi-non, water, fltrd, ug/L (39572)	Dicro-tophos, water, fltrd, ug/L (38454)	Diel-drin, water, fltrd, ug/L (39381)	Dimeth-oate, water, fltrd, 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenami-phos sulfone water, fltrd, ug/L (61645)	Fenami-phos sulf-oxide, water, fltrd, ug/L (61646)	Fenami-phos, water, fltrd, ug/L (61591)
FEB 20...	<0.009	<0.003	E.003	<0.04	0.010	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03
MAY 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 09...	<0.009	<0.003	E.004	<0.01	<0.005	<0.08	0.006	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03
Date	Desulf-inyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexa-zinone, water, fltrd, ug/L (04025)	Ipro-dione, water, fltrd, ug/L (61593)	Isofen-phos, water, fltrd, ug/L (61594)	Mala-oxon, water, fltrd, ug/L (61652)	Mala-thion, water, fltrd, ug/L (39532)	Meta-laxyl, water, fltrd, ug/L (61596)	Methi-althion water, fltrd, ug/L (61598)
FEB 20...	<0.009	<0.005	<0.005	E.012	<0.002	<0.003	--	<1	<0.003	<0.008	<0.027	<0.005	<0.006
MAY 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 09...	<0.009	E.004	<0.005	0.009	<0.002	<0.003	E.011	<1	<0.003	<0.008	<0.027	0.006	<0.006
Date	Methyl para-oxon, water, fltrd, ug/L (61664)	Methyl para-thion, water, fltrd, 0.7u GF (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Myclo-butanil water, fltrd, ug/L (61599)	Pendi-meth-alin, water, fltrd, 0.7u GF (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd, 0.7u GF (82664)	Phosmet oxon, water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prome-ton, water, fltrd, ug/L (04037)	Prome-tryn, water, fltrd, ug/L (04036)	Pron-amide, water, fltrd, 0.7u GF (82676)
FEB 20...	<0.03	<0.006	0.090	<0.006	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004
MAY 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 12...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 09...	<0.03	<0.006	0.087	<0.006	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.10	<0.005	<0.004

CAPE FEAR RIVER BASIN

0209517912 NORTH BUFFALO CREEK AT GREENSBORO, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd, 0.7u GF ug/L (82670)	Ter- bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu- fos, water, fltrd, 0.7u GF ug/L (82675)	Ter- buthyl- azine, water, fltrd, ug/L (04022)	Tri- flur- alin, water, fltrd, 0.7u GF ug/L (82661)	Di- chlor- vos, water fltrd, ug/L (38775)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)
FEB 20...	E.005	E.01	<0.07	<0.02	<0.01	0.009	<0.01	93	11
MAY 14...	--	--	--	--	--	--	--	--	--
JUN 12...	--	--	--	--	--	--	--	--	--
JUL 01...	--	--	--	--	--	--	--	--	--
09...	<0.005	E.02	<0.07	<0.02	<0.01	<0.009	<0.01	75	3

Remark codes used in this table:

- < -- Less than
- E -- Estimated value

Medium codes used in this table:

- 9 -- Surface water
- D -- Plant tissue

TEMPERATURE, WATER, DEGREES CELSIUS
AUGUST TO SEPTEMBER 2002

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	21.2	19.1	20.1
2	---	---	---	---	---	---	---	---	---	21.1	19.6	20.3
3	---	---	---	---	---	---	---	---	---	23.2	19.2	21.1
4	---	---	---	---	---	---	---	---	---	24.5	21.0	22.7
5	---	---	---	---	---	---	---	---	---	23.6	21.4	22.4
6	---	---	---	---	---	---	25.4	23.2	24.5	22.7	19.7	21.2
7	---	---	---	---	---	---	23.2	20.7	21.8	21.9	20.2	21.1
8	---	---	---	---	---	---	21.3	19.2	20.4	21.4	19.4	20.3
9	---	---	---	---	---	---	21.4	19.0	20.3	21.5	19.5	20.5
10	---	---	---	---	---	---	22.0	19.4	20.8	21.8	19.5	20.6
11	---	---	---	---	---	---	23.0	20.4	21.8	22.1	20.0	21.0
12	---	---	---	---	---	---	23.8	21.6	22.8	21.0	18.8	19.6
13	---	---	---	---	---	---	25.6	22.1	23.7	20.7	17.9	19.3
14	---	---	---	---	---	---	24.6	22.9	23.7	21.6	20.2	20.8
15	---	---	---	---	---	---	24.6	23.6	24.0	22.6	21.4	22.0
16	---	---	---	---	---	---	25.3	23.3	24.3	23.8	21.4	22.4
17	---	---	---	---	---	---	26.3	23.4	24.5	23.6	21.8	22.7
18	---	---	---	---	---	---	26.7	23.7	25.2	23.1	21.7	22.2
19	---	---	---	---	---	---	25.7	23.8	24.8	23.4	21.9	22.4
20	---	---	---	---	---	---	25.3	23.6	24.5	23.3	21.7	22.4
21	---	---	---	---	---	---	24.6	22.8	23.7	23.0	21.3	22.2
22	---	---	---	---	---	---	25.2	23.4	24.2	22.8	21.6	22.2
23	---	---	---	---	---	---	26.0	23.7	24.9	22.3	20.7	21.4
24	---	---	---	---	---	---	26.1	24.1	25.0	20.7	18.7	19.6
25	---	---	---	---	---	---	25.2	23.5	24.4	19.9	18.7	19.0
26	---	---	---	---	---	---	24.2	22.4	23.1	19.7	18.3	18.9
27	---	---	---	---	---	---	22.4	21.1	21.8	23.9	19.5	21.6
28	---	---	---	---	---	---	21.2	19.9	20.5	23.7	21.4	22.4
29	---	---	---	---	---	---	20.9	19.4	20.2	21.5	19.7	20.7
30	---	---	---	---	---	---	21.0	20.1	20.6	21.4	18.6	20.0
31	---	---	---	---	---	---	20.4	19.3	20.0	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	24.5	17.9	21.1

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TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	22.2	19.6	20.8	12.9	11.0	12.0	6.9	4.9	5.6	12.4	9.6	10.9
2	23.4	20.5	21.8	11.0	9.3	10.2	6.2	3.9	5.1	10.0	8.5	9.4
3	24.0	21.3	22.6	11.0	9.5	10.2	7.3	5.0	5.9	9.7	7.2	9.0
4	24.0	21.8	22.9	12.2	10.4	11.3	5.1	2.0	3.6	7.2	4.0	5.6
5	24.4	22.4	23.4	12.7	11.5	12.0	---	---	---	7.1	2.9	4.4
6	23.3	20.2	21.1	13.5	11.7	12.5	6.0	4.3	4.8	6.4	2.9	4.6
7	21.4	19.6	20.5	12.6	11.0	12.0	6.2	3.5	4.7	5.0	0.7	2.5
8	20.5	16.9	18.1	12.2	10.1	11.1	7.0	4.1	5.5	8.4	2.8	5.0
9	17.3	16.1	16.7	13.3	10.6	12.0	6.7	5.8	6.3	10.7	4.9	7.2
10	18.4	16.6	17.5	15.6	12.8	14.2	6.8	5.5	6.1	9.2	4.8	6.8
11	20.5	18.4	19.6	17.9	15.6	16.9	7.2	3.9	6.0	6.2	1.5	3.1
12	21.3	19.5	20.4	16.6	14.7	15.8	8.6	6.3	7.5	3.1	0.0	1.1
13	21.4	20.4	20.9	14.7	12.2	13.9	6.5	4.9	5.7	4.7	0.0	1.6
14	20.4	16.9	18.2	12.7	10.4	11.6	7.9	5.5	6.6	5.2	0.3	2.8
15	16.9	15.1	15.6	12.9	10.2	11.7	6.9	3.5	5.2	4.7	0.3	1.7
16	17.6	14.6	16.3	13.5	12.8	13.1	8.6	4.5	6.3	3.2	0.1	1.2
17	16.8	15.3	16.1	13.2	11.6	12.6	6.5	4.1	5.3	3.9	0.0	1.6
18	15.3	13.3	14.5	12.0	10.3	11.1	7.1	4.5	5.8	2.0	0.0	1.0
19	15.6	12.8	14.2	11.2	9.0	10.2	8.2	6.0	7.1	2.1	0.0	1.0
20	16.9	14.7	15.7	11.3	8.8	10.1	12.3	7.4	10.4	5.0	0.0	1.6
21	17.0	14.2	15.9	12.6	10.7	11.5	7.8	5.0	6.3	2.8	0.9	2.1
22	15.2	13.7	14.6	11.5	8.8	10.5	9.1	4.7	6.6	4.6	0.0	1.6
23	15.2	13.0	14.0	9.4	7.1	8.2	8.1	4.3	6.3	2.5	0.0	1.2
24	14.2	13.3	13.7	10.2	7.0	8.5	7.3	6.3	6.7	3.1	0.0	1.9
25	13.6	12.5	13.0	11.0	8.0	9.3	7.0	4.3	6.0	2.6	0.0	1.2
26	15.6	13.2	14.3	10.4	8.2	9.1	5.8	3.2	4.3	1.8	0.0	0.9
27	15.6	14.1	14.9	9.1	6.4	8.4	5.1	1.6	3.3	2.8	0.0	1.4
28	15.8	14.6	15.2	6.9	5.1	5.8	5.1	1.4	3.2	2.1	0.0	1.1
29	14.6	12.9	13.5	6.8	4.4	5.5	7.2	2.3	4.4	6.3	0.8	3.5
30	13.3	11.5	12.6	9.1	6.3	7.4	7.5	2.6	5.0	6.2	3.4	4.4
31	13.5	12.4	12.9	---	---	---	10.3	4.6	7.0	4.3	3.1	3.7
MONTH	24.4	11.5	17.1	17.9	4.4	11.0	---	---	---	12.4	0.0	3.4
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.8	4.0	5.1	7.9	5.5	6.6	15.6	7.2	11.1	21.8	17.7	19.7
2	8.8	2.3	5.1	11.8	6.8	8.7	19.4	11.2	15.0	22.2	18.2	20.2
3	9.7	3.5	6.8	11.2	5.4	7.9	20.7	13.0	16.7	21.3	18.2	19.3
4	11.9	6.6	9.9	12.2	5.4	8.5	19.4	14.5	17.2	18.5	15.7	16.6
5	7.3	3.4	5.4	14.5	9.6	11.9	19.3	15.5	17.1	15.7	13.7	14.2
6	6.0	3.0	4.4	13.7	10.9	12.4	17.6	12.8	15.4	18.1	13.8	16.2
7	6.6	2.3	4.4	10.9	5.7	7.7	16.0	9.8	11.6	20.4	16.1	18.1
8	6.3	2.1	3.8	13.2	4.0	8.4	10.8	9.1	10.1	22.7	18.6	20.6
9	7.1	1.9	3.9	16.4	9.0	12.2	10.4	8.3	9.4	23.8	20.0	22.0
10	7.3	3.7	5.0	12.4	8.0	10	9.2	7.3	8.4	24.0	21.4	22.9
11	8.0	1.3	4.2	10.2	5.8	7.3	12.1	8.8	9.9	23.5	20.6	22.1
12	8.6	3.1	5.0	15.2	4.9	9.7	18.4	9.2	13.0	20.6	17.6	19.0
13	7.8	0.5	3.7	17.0	9.2	13.1	19.2	10.9	14.6	19.1	16.4	17.7
14	5.6	2.7	4.5	14.0	10.5	12.4	20.0	11.9	15.7	19.5	15.4	17.5
15	7.4	4.3	6.0	11.0	8.3	9.2	21.6	14.4	17.8	18.8	16.6	17.7
16	4.8	0.0	1.9	11.5	8.9	10.3	20.8	15.4	18.2	17.9	16.4	17.2
17	1.0	0.0	0.4	14.3	11.2	12.6	19.7	15.6	17.8	17.6	14.4	15.6
18	5.6	0.3	3.0	14.3	12.2	13.2	16.9	10.9	12.7	15.1	14.2	14.9
19	7.9	2.5	4.9	13.4	10.4	12.0	12.1	10.5	11.2	14.8	13.9	14.2
20	8.5	5.5	6.9	10.4	7.8	8.8	17.0	11.5	13.7	16.7	13.2	15.1
21	7.3	5.5	6.6	16.3	9.5	12.2	16.1	14.3	15.1	18.0	15.4	16.6
22	8.2	6.2	7.2	17.3	11.2	13.9	17.6	14.4	15.9	17.3	14.7	16.1
23	10.4	5.9	8.5	16.0	10.2	13.1	16.9	11.6	14.3	16.4	15.3	15.8
24	11.9	4.1	7.6	17.5	10.5	13.8	15.9	11.9	14.3	18.0	15.2	16.2
25	8.7	5.9	7.3	18.3	10.9	14.5	15.6	14.2	14.6	19.7	16.5	17.9
26	6.0	4.0	4.8	19.1	13.3	15.9	19.0	14.3	16.0	21.6	17.7	19.3
27	4.2	3.2	3.6	17.7	12.9	15.4	20.5	14.6	17.1	19.2	16.9	17.6
28	6.2	3.9	5.1	18.7	12.5	15.7	20.3	14.9	17.8	18.1	15.3	16.8
29	---	---	---	21.2	16.2	18.5	20.6	16.5	18.7	18.8	16.3	17.3
30	---	---	---	18.0	9.3	11.6	21.7	17.2	19.3	18.3	15.3	17.0
31	---	---	---	12.6	6.6	9.4	---	---	---	20.8	16.5	18.3
MONTH	11.9	0.0	5.2	21.2	4.0	11.5	21.7	7.2	14.7	24.0	13.2	17.7

