

0209679804 LITTLE ALAMANCE CREEK AT SR 2309 NEAR GRAHAM, NC—Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: July 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, 27.1°C, July 19, 2002; minimum recorded, 0.9°C, Feb. 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)	Specif. conductance, wat unfltrd 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 as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	
Date		Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	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)	Biomass periphyton, ashfree drymass g/m2 (49954)	Periphyton biomass ash weight, g/m2 (00572)	Periphyton biomass dry weight, g/m2 (00573)
Date		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 (49295)	2,6-Diethyl-aniline water fltrd 0.7u GF (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)	3,4-Dichloro-aniline water, fltrd, ug/L (61625)	4Chloro-2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)
FEB 25...	1200	9	E9.5	755	11.6	99	7.3	185	8.2	19.4	15.9	0.39	<0.04	
MAY 20...	1205	D	10	--	7.6	--	7.1	116	15.0	--	--	--	--	
JUN 23...	1320	9	--	--	7.4	--	6.9	188	19.7	--	--	--	--	
JUL 10...	1032	9	--	--	--	--	--	--	--	--	--	--	--	
JUL 11...	1100	9	E7.6	746	6.7	82	7.1	136	24.1	7.72	8.8	0.37	<0.04	
FEB 25...	0.56	<0.008	<0.02	0.06	0.060	0.95	0.4	<0.1	0.4	3.7	--	--	--	
MAY 20...	--	--	--	--	--	--	--	--	--	--	3.400	58	61.80	
JUN 23...	--	--	--	--	--	--	--	--	--	--	--	--	--	
JUL 10...	--	--	--	--	--	--	--	--	--	--	--	--	--	
JUL 11...	0.43	E.005	E.01	0.06	0.057	0.80	0.4	<0.1	0.4	4.7	--	--	--	
FEB 25...	--	--	240	--	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	E.003	<0.006	
MAY 20...	375	3.7	--	9.1	--	--	--	--	--	--	--	--	--	
JUN 23...	--	--	--	--	--	--	--	--	--	--	--	--	--	
JUL 10...	--	--	5,300	--	--	--	--	--	--	--	--	--	--	
JUL 11...	--	--	--	--	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006	

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

Date	Alachlor, water, fltrd, ug/L (46342)	Atrazine, 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)	Cyper-methrin water, fltrd, ug/L (61586)	DCPA, water fltrd, 0.7u GF ug/L (82682)	Desulf-inyl fipronil, water, fltrd, ug/L (62170)
FEB 25...	<0.004	E.004	<0.02	<0.050	<0.010	E.004	<0.06	<0.005	<0.006	<0.008	<0.009	<0.003	<0.004
MAY 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 10...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 11...	<0.004	0.021	<0.02	<0.050	<0.010	E.039	<0.06	0.009	<0.006	<0.008	<0.009	<0.003	<0.004

Date	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 monooxon 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)	Desulf-inyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)
FEB 25...	<0.04	0.009	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	E.007
MAY 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 10...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 11...	<0.01	0.058	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	E.004	<0.006

Date	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)	Methyl para-oxon, water, fltrd, ug/L (61664)	Methyl para-thion, water, fltrd, 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)
FEB 25...	E.009	<0.002	<0.003	--	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013
MAY 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 10...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 11...	E.009	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	E.005

Date	Metri-buzin, water, fltrd, ug/L (82630)	Myclo-butanil water, fltrd, ug/L (61599)	Pendi-meth-alin, water, fltrd, 0.7u GF ug/L (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd, 0.7u GF ug/L (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 ug/L (82676)	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)
FEB 25...	<0.006	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	E.01	<0.005	<0.004	0.786	0.02	<0.07
MAY 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 10...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 11...	<0.006	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.19	<0.005	<0.004	0.040	E.17	<0.07

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

Date	Terbu- fos, water, fltrd, 0.7u GF (82675) ug/L	Ter- buthyl- azine, water, fltrd, (04022) ug/L	Tri- flur- alin, water, fltrd, 0.7u GF (82661) ug/L	Di- chlor- vos, water, fltrd, (38775) ug/L	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)
FEB 25...	<0.02	<0.01	<0.009	<0.01	85	16
MAY 20...	--	--	--	--	--	--
JUN 23...	--	--	--	--	--	--
JUL 10...	--	--	--	--	--	--
JUL 11...	<0.02	<0.01	<0.009	<0.01	94	7

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
JULY TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	JUNE			JULY			AUGUST			SEPTEMBER		
				MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	26.2	24.5	25.4	20.5	19.4	20.0			
2	---	---	---	---	---	---	25.9	24.2	25.1	20.6	20.1	20.3			
3	---	---	---	---	---	---	25.6	23.8	24.7	21.2	19.4	20.3			
4	---	---	---	---	---	---	25.4	23.5	24.5	22.4	20.7	21.6			
5	---	---	---	---	---	---	26.1	23.4	24.7	22.5	21.4	22.0			
6	---	---	---	---	---	---	25.4	23.8	24.6	21.8	20.0	21.0			
7	---	---	---	---	---	---	23.8	21.4	22.3	21.7	20.0	20.9			
8	---	---	---	---	---	---	22.3	19.6	20.9	21.0	19.1	20.2			
9	---	---	---	25.4	22.2	23.7	21.8	19.1	20.4	21.2	19.5	20.4			
10	---	---	---	26.7	23.5	24.9	22.5	19.1	20.7	22.1	20.2	21.1			
11	---	---	---	25.4	21.5	23.0	24.4	19.9	21.9	22.3	20.3	21.3			
12	---	---	---	21.8	20.7	21.3	25.7	21.6	23.6	21.4	19.1	19.9			
13	---	---	---	22.5	20.6	21.6	25.6	22.6	24.2	20.1	17.7	19.1			
14	---	---	---	23.9	22.1	22.8	24.8	22.8	23.9	20.5	19.5	20.0			
15	---	---	---	24.9	22.3	23.3	24.2	22.9	23.4	20.9	20.3	20.6			
16	---	---	---	25.7	22.7	24.1	24.5	23.3	23.8	22.0	20.9	21.4			
17	---	---	---	25.6	23.2	24.4	25.8	23.2	24.2	22.1	21.1	21.6			
18	---	---	---	26.2	23.5	24.9	25.0	23.4	24.2	22.6	21.4	21.8			
19	---	---	---	27.1	23.9	25.4	25.6	23.5	24.5	22.8	22.4	22.7			
20	---	---	---	26.1	24.0	25.0	25.8	23.6	24.6	22.5	21.6	22.1			
21	---	---	---	25.6	24.1	24.9	24.8	23.2	24.1	22.5	21.4	22.0			
22	---	---	---	25.7	23.8	24.6	25.6	23.9	24.7	22.9	21.6	22.2			
23	---	---	---	25.0	23.5	24.2	27.0	24.3	25.6	22.5	21.1	21.9			
24	---	---	---	24.6	23.6	24.1	27.0	24.7	25.7	21.1	19.4	20.1			
25	---	---	---	25.0	23.7	24.2	26.5	24.0	25.1	20.0	19.2	19.5			
26	---	---	---	25.0	24.0	24.6	24.8	22.9	23.7	19.5	18.9	19.2			
27	---	---	---	26.1	24.5	25.2	22.9	21.6	22.3	23.2	19.4	21.1			
28	---	---	---	26.2	25.0	25.6	21.8	20.5	20.9	23.1	21.7	22.4			
29	---	---	---	26.7	25.2	26.0	20.5	19.9	20.2	21.7	20.3	20.9			
30	---	---	---	26.8	25.3	26.1	20.7	19.9	20.1	20.4	18.9	19.7			
31	---	---	---	26.5	25.1	25.9	20.7	19.5	20.4	---	---	---			
MONTH	---	---	---	---	---	---	27.0	19.1	23.4	23.2	17.7	20.9			

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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	21.4	19.7	20.5	13.7	11.3	12.2	7.2	5.2	6.1	12.6	8.2	11.1
2	22.0	20.2	21.1	11.4	9.8	10.3	5.7	4.1	5.1	12.1	10.4	10.9
3	22.7	20.9	21.8	10.4	9.6	10.0	7.0	4.7	5.6	10.6	9.4	10.2
4	22.9	21.2	22.1	11.8	10.3	11.0	5.1	1.9	3.8	9.4	6.8	8.1
5	23.4	21.9	22.6	11.7	11.4	11.5	4.0	1.1	2.7	6.8	5.5	6.2
6	22.6	20.5	21.3	12.4	11.6	11.9	5.0	4.0	4.5	6.7	5.7	6.2
7	21.0	19.5	20.4	11.6	10.7	11.1	5.1	4.1	4.7	5.9	4.5	5.1
8	20.4	17.6	18.7	10.9	9.3	10.2	5.6	4.3	4.9	6.3	4.7	5.5
9	17.6	16.8	17.2	11.9	9.9	11.0	6.0	5.3	5.7	7.8	6.0	6.9
10	19.4	16.7	17.3	14.6	11.9	13.0	5.8	5.4	5.6	8.1	6.8	7.4
11	20.0	18.9	19.5	16.4	14.6	15.6	5.8	4.8	5.5	6.8	5.3	6.0
12	20.6	19.8	20.2	16.8	14.6	15.8	7.2	5.6	6.5	5.3	4.0	4.6
13	21.1	20.1	20.3	14.6	12.5	13.9	7.0	6.3	6.7	4.1	3.1	3.7
14	20.6	17.6	19.0	12.5	10.8	11.7	7.5	6.5	7.1	4.4	3.0	3.8
15	17.6	15.6	16.5	12.3	10.4	11.4	7.2	6.4	6.9	4.8	3.6	4.1
16	16.2	15.0	15.6	12.9	12.3	12.5	7.4	6.3	6.9	3.7	2.9	3.4
17	16.2	15.4	15.7	12.7	11.6	12.5	7.1	5.9	6.5	4.7	3.0	3.6
18	15.5	13.9	14.5	11.6	9.9	10.7	7.3	6.0	6.6	3.2	1.9	2.4
19	14.5	13.2	13.9	10.3	8.7	9.6	8.2	7.2	7.5	2.6	1.4	1.8
20	15.3	14.2	14.6	10.4	8.8	9.7	11.9	8.2	10.3	3.7	1.4	2.6
21	15.7	15.1	15.4	11.2	9.9	10.5	10.4	7.7	8.8	3.6	3.1	3.3
22	15.1	14.4	14.7	10.9	9.3	10.3	8.3	6.7	7.5	4.1	2.3	3.1
23	14.5	13.6	14.1	9.3	8.0	8.6	7.7	6.3	7.2	3.1	1.0	2.4
24	14.4	14.0	14.2	9.0	7.2	8.3	7.6	7.0	7.3	2.5	1.0	1.5
25	14.0	13.5	13.7	9.6	7.7	8.7	7.5	6.3	6.9	2.7	1.2	1.7
26	14.4	13.3	13.8	9.4	7.9	8.7	6.4	5.6	6.0	2.8	1.3	1.9
27	14.6	14.1	14.4	9.1	7.5	8.5	5.8	4.7	5.3	2.7	1.1	1.7
28	15.5	14.6	14.9	7.5	5.8	6.5	5.2	3.8	4.6	2.5	1.1	1.7
29	14.8	12.3	13.5	5.9	4.3	5.3	5.9	4.2	5.1	3.7	2.0	2.7
30	12.8	12.2	12.4	7.9	5.9	6.9	6.4	4.8	5.7	5.2	3.4	4.3
31	13.9	11.9	12.7	---	---	---	8.2	6.0	6.9	4.5	4.0	4.2
MONTH	23.4	11.9	17.0	16.8	4.3	10.6	11.9	1.1	6.1	12.6	1.0	4.6
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.0	4.5	5.2	7.3	5.3	6.1	13.0	8.5	10.7	19.3	17.6	18.4
2	6.3	4.8	5.6	9.0	7.0	7.9	16.4	11.6	13.9	19.8	17.4	18.6
3	7.6	5.3	6.4	9.5	7.2	8.4	18.3	13.5	15.9	18.9	17.7	18.4
4	10.1	7.6	8.9	9.8	6.8	8.4	18.4	15.1	16.8	17.7	15.2	16.3
5	9.0	6.6	7.9	12.3	9.5	10.8	17.6	16.1	16.8	15.2	13.6	14.0
6	6.6	4.9	5.7	12.8	11.6	12.2	17.7	14.6	16.2	15.6	13.6	14.6
7	5.5	3.6	4.7	12.1	8.0	9.9	16.3	10.0	11.7	18.0	15.4	16.5
8	5.8	4.4	5.1	10.3	6.3	8.5	10.6	9.8	10.3	20.0	17.4	18.7
9	6.0	3.7	4.8	13.2	9.3	11.1	9.8	8.3	9.0	21.1	18.9	20.0
10	5.8	4.9	5.3	12.3	9.4	10.8	9.3	7.9	8.4	21.7	20.0	20.9
11	6.5	3.9	5.3	9.7	7.8	8.6	10.2	8.8	9.3	21.2	20.0	20.8
12	7.3	4.3	5.6	12.0	6.4	9.2	14.2	9.5	11.5	20.0	18.0	18.9
13	6.6	3.0	4.8	14.4	9.3	11.8	15.7	11.7	13.7	18.2	16.2	17.2
14	5.6	4.0	4.9	14.3	12.1	13.3	16.8	12.8	14.8	17.6	14.7	16.3
15	6.7	5.6	6.1	12.1	9.7	10.5	18.2	14.6	16.4	17.6	16.3	16.8
16	5.9	1.5	4.1	10.5	8.8	9.6	19.1	15.7	17.5	18.4	17.1	17.7
17	2.2	0.9	1.5	12.6	10.5	11.6	19.3	16.3	17.8	18.3	15.9	17.1
18	5.4	2.2	3.7	13.6	12.2	12.8	17.6	12.6	14.5	15.9	14.5	15.2
19	6.5	4.1	5.3	13.3	11.6	12.6	12.6	11.6	12.0	14.5	13.7	14.1
20	7.9	5.8	6.8	11.6	8.1	9.0	14.1	11.5	12.7	16.2	13.7	14.8
21	7.6	6.5	7.1	12.3	9.0	10.5	14.6	13.2	13.9	17.9	15.3	16.2
22	8.2	7.6	7.8	14.3	11.1	12.6	15.9	14.0	14.9	17.8	15.3	16.1
23	9.8	8.2	9.0	14.4	11.3	13.0	15.2	12.4	13.9	16.2	15.6	15.9
24	9.7	6.9	8.4	15.8	12.1	13.9	14.4	11.8	13.4	16.5	15.7	16.1
25	9.2	7.9	8.7	16.5	12.0	14.3	14.0	13.5	13.8	18.2	15.9	16.9
26	8.5	6.1	7.2	17.7	13.8	15.7	16.3	13.8	14.7	18.9	17.4	18.1
27	6.1	3.5	4.6	17.6	14.4	15.9	17.6	15.5	16.3	18.4	17.1	17.6
28	5.3	3.8	4.5	17.6	14.0	15.9	17.8	14.7	16.4	17.6	15.7	16.7
29	---	---	---	19.4	16.6	17.8	18.3	15.7	17.1	17.2	16.3	16.7
30	---	---	---	18.5	10.1	13.2	18.5	16.6	17.7	17.9	15.9	16.9
31	---	---	---	11.3	8.7	10	---	---	---	18.6	16.4	17.3
MONTH	10.1	0.9	5.9	19.4	5.3	11.5	19.3	7.9	14.1	21.7	13.6	17.1

