

0209651815 BRANCH CREEK BELOW NC 54 NEAR GRAHAM, NC—Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: August 2002 to July 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, 27.6°C, Sept. 17, 2002; minimum recorded, 0.0°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, 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...	0930	9	E1.3	756	11.4	96	7.5	294	7.7	30.1	23.2	0.18	<0.04			
MAY 20...	0915	D	1.4	--	7.8	--	7.3	242	--	--	--	--	--			
JUN 13...	0900	9	--	--	6.8	--	7.1	214	20.8	--	--	--	--			
JUL 10...	1044	9	--	--	--	--	--	--	--	--	--	--	--			
JUL 11...	0930	9	E1.4	746	7.5	91	7.4	285	23.6	24.3	19.5	0.26	<0.04			
FEB 25...	0.78	<0.008	<0.02	0.03	0.023	0.96	<0.1	<0.1	<0.1	1.9	--	--	--			
MAY 20...	--	--	--	--	--	--	--	--	--	--	2.2	70	72.50			
JUN 13...	--	--	--	--	--	--	--	--	--	--	--	--	--			
JUL 10...	--	--	--	--	--	--	--	--	--	--	--	--	--			
JUL 11...	0.52	E.004	E.01	0.06	0.042	0.78	0.4	<0.1	0.4	3.1	--	--	--			
FEB 25...	--	--	150	--	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004	<0.004	<0.006	<0.006			
MAY 20...	447	1.8	--	4.9	--	--	--	--	--	--	--	--	--			
JUN 13...	--	--	--	--	--	--	--	--	--	--	--	--	--			
JUL 10...	--	--	7,700	--	--	--	--	--	--	--	--	--	--			
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-pyri-fos oxon, water, fltrd, ug/L (61636)	Chlor-pyri-fos oxon, water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd, 0.7u GF ug/L (82687)	Cyflu-thrin, water, fltrd, ug/L (61585)	Cy-per-methrin water, fltrd, ug/L (61586)	DCPA, water fltrd, 0.7u GF ug/L (82682)	Desulf-inyl fipron-il, water, fltrd, ug/L (62170)
FEB 25...	<0.004	<0.007	<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 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 10...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 11...	<0.004	0.007	<0.02	<0.050	<0.010	<0.041	<0.06	<0.005	<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 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)	Desulf-inyl-fipron-il amide, wat flt ug/L (62169)	Fipron-nil sulfide water, fltrd, ug/L (62167)	Fipron-nil sulfone water, fltrd, ug/L (62168)
FEB 25...	<0.04	E.003	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005
MAY 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 10...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 11...	<0.01	0.026	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.006

Date	Fipron-nil, 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.007	<0.002	<0.003	--	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013
MAY 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 10...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 11...	<0.007	<0.002	<0.003	0.023	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	<0.013

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	E.003	0.06	<0.07
MAY 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 10...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 11...	<0.006	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.02	<0.005	<0.004	0.030	0.33	<0.07

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	7.2	4.2	5.7	13.4	9.8	12.1
2	---	---	---	---	---	---	6.5	2.9	4.8	11.2	9.3	10.3
3	---	---	---	---	---	---	7.7	4.0	5.6	10.7	8.8	10.2
4	---	---	---	---	---	---	4.7	1.0	3.1	8.8	6.3	7.3
5	---	---	---	---	---	---	4.9	0.7	2.8	6.8	5.0	6.0
6	---	---	---	---	---	---	6.2	4.4	5.2	7.4	5.6	6.4
7	---	---	---	---	---	---	6.9	3.3	4.9	5.7	3.5	4.5
8	---	---	---	12.3	9.1	10.6	7.2	3.7	5.5	7.0	4.4	5.7
9	---	---	---	13.5	9.6	11.4	7.0	5.8	6.4	9.5	6.5	8.0
10	---	---	---	15.9	12.2	14.2	6.3	5.2	5.7	9.3	6.9	8.1
11	---	---	---	17.8	15.8	17.0	6.8	3.7	5.8	6.9	4.7	5.7
12	---	---	---	17.0	14.0	15.7	9.2	6.6	7.8	4.9	2.9	3.9
13	---	---	---	14.3	11.9	13.7	7.9	5.6	6.8	4.7	2.2	3.4
14	---	---	---	12.5	9.9	11.4	9.0	6.9	7.8	5.4	2.7	4.0
15	---	---	---	12.8	9.9	11.6	8.0	5.5	6.9	5.5	3.1	4.2
16	---	---	---	13.6	12.2	12.9	8.9	5.8	7.4	4.4	2.8	3.4
17	---	---	---	12.7	11.0	12.0	7.9	6.1	7.0	4.9	2.4	3.5
18	---	---	---	11.8	9.5	10.6	8.1	6.2	7.2	3.3	0.9	2.0
19	---	---	---	11.0	8.2	9.8	9.0	7.9	8.3	3.0	0.6	1.7
20	---	---	---	11.3	8.6	10.1	12.8	9.0	11.3	5.3	1.7	3.2
21	---	---	---	12.0	10.4	11.2	9.6	6.9	7.9	4.1	3.1	3.6
22	---	---	---	11.6	8.6	10.3	8.7	6.0	7.4	4.8	1.8	3.1
23	---	---	---	9.7	7.1	8.3	8.6	6.1	7.4	3.2	0.5	1.8
24	---	---	---	10.5	6.6	8.3	7.9	7.2	7.4	1.4	0.4	0.8
25	---	---	---	11.4	7.3	9.1	7.8	5.6	6.8	3.0	0.4	1.4
26	---	---	---	11.0	7.4	9.0	6.9	5.0	5.9	3.5	0.8	2.0
27	---	---	---	9.4	6.6	8.4	6.4	4.0	5.3	2.8	0.6	1.6
28	---	---	---	7.5	4.6	5.8	6.1	3.6	5.0	3.3	0.6	1.8
29	---	---	---	7.0	3.2	5.0	7.3	4.3	5.9	6.1	2.6	3.9
30	---	---	---	9.5	5.9	7.4	7.6	5.1	6.4	6.2	3.6	4.9
31	---	---	---	---	---	---	9.8	6.5	8.0	5.2	4.0	4.6
MONTH	---	---	---	---	---	---	12.8	0.7	6.4	13.4	0.4	4.6
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.2	5.2	6.1	7.7	4.8	6.2	10.6	7.3	8.9	---	---	---
2	7.3	4.9	6.1	9.9	6.2	7.7	17.5	9.4	13.1	---	---	---
3	8.8	5.4	7.1	9.8	5.8	7.8	18.8	11.7	15.3	---	---	---
4	11.7	8.8	10.1	10.1	5.8	8.0	18.0	12.9	15.7	---	---	---
5	8.9	5.6	7.2	12.7	8.9	10.6	17.2	14.2	15.6	---	---	---
6	6.0	2.7	4.8	12.4	10.7	11.5	17.1	12.3	14.8	---	---	---
7	6.1	2.2	4.1	10.7	6.5	8.2	14.9	8.6	10.2	---	---	---
8	5.8	3.2	4.5	10.8	4.9	7.8	10.0	8.4	9.3	---	---	---
9	5.9	2.9	4.4	13.2	8.6	10.8	9.2	7.6	8.4	---	---	---
10	6.3	4.8	5.4	11.4	8.3	9.8	8.8	7.3	7.9	---	---	---
11	6.4	3.0	4.9	8.9	6.7	7.5	10.7	8.5	9.3	---	---	---
12	7.2	3.9	5.3	11.2	5.9	8.5	15.2	9.0	11.7	---	---	---
13	6.0	2.5	4.4	13.5	8.8	11.1	15.9	10.2	13.0	---	---	---
14	5.9	3.8	4.8	12.9	10.8	12.0	16.7	10.9	13.8	---	---	---
15	7.0	5.6	6.3	10.8	8.5	9.2	18.0	12.7	15.3	---	---	---
16	5.6	0.2	3.2	9.9	8.0	9.0	18.6	13.8	16.2	---	---	---
17	1.9	0.0	0.9	12.3	9.9	11.0	18.1	14.3	16.3	---	---	---
18	4.7	1.9	3.4	13.1	11.1	12.0	---	---	---	---	---	---
19	7.7	2.9	5.0	12.6	10.2	11.3	---	---	---	---	---	---
20	8.2	5.7	6.9	10.2	7.8	8.9	---	---	---	---	---	---
21	7.5	6.0	6.9	11.0	9.2	10	---	---	---	---	---	---
22	8.1	6.7	7.1	11.8	9.8	10.8	---	---	---	---	---	---
23	9.7	7.0	8.6	11.4	9.2	10.4	---	---	---	---	---	---
24	9.9	5.1	7.5	11.4	9.6	10.6	---	---	---	---	---	---
25	9.0	6.8	8.0	11.9	9.2	10.5	---	---	---	---	---	---
26	7.8	4.4	6.0	13.1	10.9	11.9	---	---	---	---	---	---
27	4.4	2.6	3.3	12.5	11.4	11.9	---	---	---	---	---	---
28	5.1	3.2	4.4	13.3	10.9	12.1	---	---	---	---	---	---
29	---	---	---	15.2	13.3	14.2	---	---	---	---	---	---
30	---	---	---	14.5	10.1	11.9	---	---	---	---	---	---
31	---	---	---	10.1	8.1	8.9	---	---	---	---	---	---
MONTH	11.7	0.0	5.6	15.2	4.8	10.1	---	---	---	---	---	---

