

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: August 2002 to November 2003.

INSTRUMENTATION.--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, 26.5°C, Aug. 7, 2003; minimum recorded, 0.8°C, Dec. 4, 5, 2002.

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 as N (00625)	Ammonia water, fltrd, mg/L as N (00608)		
Date															
MAR 04...	1230	9	E55	753	10.8	91	6.3	44	7.2	3.01	6.0	0.31	<0.04		
MAY 16...	1015	D	E11	--	--	--	--	69	18.0	--	--	--	--		
JUN 24...	1405	9	--	--	8.4	--	6.5	66	22.6	--	--	--	--		
JUL 07...	1100	9	--	--	--	--	--	--	--	--	--	--	--		
JUL 16...	1100	9	E6.9	750	8.1	97	7.0	78	23.7	3.96	2.0	0.32	<0.04		
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 (00660)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd 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)
MAR 04...			0.12	<0.008	<0.02	<0.02	0.024	0.43	0.2	<0.1	0.2	6.4	--	--	--
MAY 16...			--	--	--	--	--	--	--	--	--	--	15.800	45	60.50
JUN 24...			--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 07...			--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 16...			0.11	<0.008	<0.02	0.03	0.021	0.43	0.3	<0.1	0.3	5.0	--	--	--
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, chromo-fluoro, 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)	Aceto-chlor, water, fltrd, ug/L (49260)
MAR 04...			--	--	K15	--	<0.09	<0.006	<0.1	<0.005	E.002	<0.004	<0.004	<0.006	<0.006
MAY 16...			1,400	7.8	--	11.3	--	--	--	--	--	--	--	--	--
JUN 24...			--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 07...			--	--	74	--	--	--	--	--	--	--	--	--	--
JUL 16...			--	--	--	--	<0.09	<0.006	<0.1	<0.005	E.010	<0.004	<0.004	<0.006	<0.006

## 02081190 TAR RIVER NEAR BERE A, NC—Continued

## 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)
MAR 04...	<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
MAY 16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 16...	<0.004	0.024	<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- fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)
MAR 04...	<0.04	0.189	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005
MAY 16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 16...	<0.01	<0.005	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03	<0.009	<0.005	<0.005
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)	Iprodi- one, 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)
MAR 04...	<0.007	<0.002	<0.003	--	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	E.003
MAY 16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 16...	<0.007	<0.002	<0.003	<0.013	<1	<0.003	<0.008	<0.027	<0.005	<0.006	<0.03	<0.006	E.006
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)
MAR 04...	<0.006	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	<0.01	<0.005	<0.004	<0.005	<0.02	<0.07
MAY 16...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 07...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 16...	<0.006	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	M	<0.005	<0.004	0.009	<0.02	<0.07



## TAR RIVER BASIN

02081190 TAR RIVER NEAR BERE A, NC—Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	10.6	8.0	9.5
2	---	---	---	---	---	---	---	---	---	10.6	9.5	9.9
3	---	---	---	---	---	---	---	---	---	9.5	8.4	9.2
4	---	---	---	---	---	---	---	---	---	8.4	6.1	7.3
5	---	---	---	---	---	---	5.1	0.8	2.9	6.1	5.2	5.7
6	---	---	---	---	---	---	4.3	2.6	3.3	6.0	4.7	5.3
7	---	---	---	---	---	---	2.9	1.7	2.4	5.6	3.4	4.4
8	---	---	---	---	---	---	3.5	2.0	2.8	7.7	4.4	5.7
9	---	---	---	---	---	---	4.2	3.4	3.8	---	---	---
10	---	---	---	---	---	---	4.2	3.6	3.9	---	---	---
11	---	---	---	---	---	---	4.3	4.0	4.2	---	---	---
12	---	---	---	---	---	---	5.5	4.2	4.9	---	---	---
13	---	---	---	---	---	---	5.7	5.4	5.5	---	---	---
14	---	---	---	---	---	---	6.4	5.4	5.9	---	---	---
15	---	---	---	12.2	10.3	11.2	6.5	5.6	6.1	---	---	---
16	---	---	---	12.9	11.9	12.5	7.2	5.5	6.3	---	---	---
17	---	---	---	12.3	10.9	11.7	6.8	5.7	6.3	---	---	---
18	---	---	---	10.9	9.1	9.8	8.1	5.9	6.7	---	---	---
19	---	---	---	9.6	8.1	8.9	8.1	6.9	7.5	---	---	---
20	---	---	---	9.7	7.9	8.9	10.7	8.0	9.5	---	---	---
21	---	---	---	10.5	8.8	9.7	9.0	7.3	8.2	---	---	---
22	---	---	---	---	---	---	9.4	6.4	7.7	---	---	---
23	---	---	---	---	---	---	9.6	6.1	7.5	---	---	---
24	---	---	---	---	---	---	7.6	6.6	7.1	---	---	---
25	---	---	---	---	---	---	6.6	5.8	6.2	---	---	---
26	---	---	---	---	---	---	5.8	4.8	5.3	---	---	---
27	---	---	---	---	---	---	5.1	3.8	4.5	---	---	---
28	---	---	---	---	---	---	4.8	3.4	4.2	---	---	---
29	---	---	---	---	---	---	5.6	3.8	4.8	6.5	3.1	5.0
30	---	---	---	---	---	---	6.8	4.1	5.5	5.8	2.3	3.4
31	---	---	---	---	---	---	8.8	5.2	6.7	3.1	2.2	2.6
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.7	3.1	3.9	6.3	4.5	5.2	12.3	9.4	10.8	---	---	---
2	5.7	3.9	4.7	9.0	6.3	7.5	15.7	11.6	13.7	---	---	---
3	6.8	4.4	5.7	9.0	7.7	8.5	18.3	13.9	16.0	---	---	---
4	9.4	6.7	7.9	9.2	6.9	8.2	18.6	14.9	16.9	---	---	---
5	8.6	6.4	7.3	11.8	8.8	10.4	18.2	15.9	17.0	---	---	---
6	6.8	5.0	5.8	12.6	11.6	12.2	18.4	14.5	16.5	---	---	---
7	5.4	4.7	5.0	12.5	8.7	10.4	16.0	9.9	12.0	---	---	---
8	5.1	4.2	4.7	10.2	7.2	8.9	9.9	9.6	9.7	---	---	---
9	5.2	3.7	4.4	13.0	9.6	11.2	9.8	8.6	9.1	---	---	---
10	5.5	4.6	5.0	12.6	9.8	11.1	9.3	8.8	8.9	---	---	---
11	6.1	4.1	5.2	9.8	7.8	8.7	9.7	8.6	9.0	---	---	---
12	7.6	4.6	5.8	13.1	6.3	9.6	13.4	9.7	11.4	---	---	---
13	7.2	3.4	5.3	15.0	9.0	12.2	15.5	12.1	13.8	20.9	15.2	17.6
14	6.4	4.1	5.4	13.7	11.6	12.7	16.7	13.2	14.9	20.7	12.8	16.5
15	6.9	5.8	6.3	11.6	10.2	10.6	---	---	---	18.3	14.8	16.6
16	5.8	2.7	4.5	11.2	9.8	10.6	---	---	---	18.7	16.2	17.3
17	2.7	1.4	1.9	12.5	11.2	11.8	---	---	---	16.7	15.1	16.0
18	5.2	2.1	3.5	13.8	12.1	12.9	---	---	---	15.1	13.8	14.4
19	4.8	3.1	4.0	13.4	11.7	12.7	---	---	---	14.7	13.5	14.1
20	6.4	4.8	5.6	11.7	8.6	9.5	---	---	---	17.1	13.7	15.2
21	7.0	6.1	6.6	11.5	8.7	9.9	---	---	---	16.9	14.8	15.8
22	7.7	7.0	7.1	13.6	11.1	12.4	---	---	---	16.3	15.0	15.7
23	9.5	7.7	8.8	14.3	11.6	13.1	---	---	---	15.9	15.4	15.7
24	9.3	7.3	8.3	15.6	12.7	14.1	---	---	---	16.5	15.3	15.9
25	9.2	7.8	8.6	16.9	12.3	14.6	---	---	---	17.6	15.8	16.7
26	8.3	6.2	7.3	18.2	13.6	15.8	---	---	---	18.8	17.2	18.0
27	6.2	4.0	5.2	18.4	14.1	16.1	---	---	---	18.2	16.2	17.2
28	4.7	3.8	4.2	19.1	13.9	16.2	---	---	---	---	---	---
29	---	---	---	19.6	16.6	17.9	---	---	---	---	---	---
30	---	---	---	18.1	10.1	13.9	---	---	---	---	---	---
31	---	---	---	10.7	8.7	9.8	---	---	---	---	---	---
MONTH	9.5	1.4	5.6	19.6	4.5	11.6	---	---	---	---	---	---

