02081510 FOUNDRY BRANCH AT MOUTH NEAR OXFORD, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May to November 2003 (discontinued)

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: May 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, 29.5°C, July 4; minimum recorded, 0.1°C, several days during the year.

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 unf 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)
APR													
29...	1205	9	--	--	--	--	7.0	153	16.2	--	--	--	--
MAY													
20...	1050	D	E5.4	--	9.5	--	7.2	115	14.7	--	--	--	--
JUN													
13...	1200	9	--	--	6.8	--	7.3	161	20.8	--	--	--	--
JUL													
07...	1145	9	--	--	--	--	--	--	--	--	--	--	--
16...	1300	9	--	751	7.6	91	7.1	176	23.4	9.83	6.9	0.39	<0.04
SEP													
22...	1330	9	--	--	7.6	--	7.2	161	--	--	--	--	--

Date	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	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)
APR													
29...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	1.62	0.36	0.37	0.026	0.008	E.01	0.05	0.086	0.77	0.5	<0.1	0.5	5.4
SEP													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--

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-Diethylaniline 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 acetanilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methylaniline water, fltrd, ug/L (61620)
APR													
29...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
20...	1.700	34	35.90	1,260	1.1	--	1.4	--	--	--	--	--	--
JUN													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
07...	--	--	--	--	--	150	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	<0.09	<0.006	<0.1	<0.005	E.003	<0.004
SEP													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--

02081510 FOUNDRY BRANCH AT MOUTH NEAR OXFORD, NC—Continued

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

Date	3,4-Dichloroaniline water fltrd, ug/L (61625)	4Chloro 2methyl phenol, water, fltrd, ug/L (61633)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl oxon, water, fltrd, ug/L (61635)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyfluthrin, water, fltrd, ug/L (61585)
APR													
29...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	0.006	<0.006	<0.006	<0.004	<0.007	<0.02	<0.050	<0.010	E.013	<0.06	<0.005	<0.006	<0.008
SEP													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon oxon, water, fltrd, ug/L (61638)	Diazinon, water, fltrd, ug/L (39572)	Dicrotophos, water fltrd, ug/L (38454)	Dieldrin, water, fltrd, ug/L (39381)	Dimethoate, water, fltrd 0.7u GF ug/L (82662)	Ethion monoxon water, fltrd, ug/L (61644)	Ethion, water, fltrd, ug/L (82346)	Fenamiphos sulfone water, fltrd, ug/L (61645)	Fenamiphos sulfoxide, water, fltrd, ug/L (61646)	Fenamiphos, water, fltrd, ug/L (61591)
APR													
29...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<0.009	<0.003	<0.004	<0.01	0.006	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03
SEP													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--

Date	Desulfinyl-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)	Hexazinone, water, fltrd, ug/L (04025)	Iprodione, water, fltrd, ug/L (61593)	Isofenphos, water, fltrd, ug/L (61594)	Malaoxon, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Metalaxyl, water, fltrd, ug/L (61596)	Methialthion water, fltrd, ug/L (61598)
APR													
29...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<0.009	0.007	<0.005	E.013	<0.002	<0.003	0.074	<1	<0.003	<0.008	<0.027	<0.005	<0.006
SEP													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--

02081510 FOUNDRY BRANCH AT MOUTH NEAR OXFORD, NC—Continued

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

Date	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)	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)
APR													
29...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY													
20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL													
07...	--	--	--	--	--	--	--	--	--	--	--	--	--
16...	<0.03	<0.006	E.004	<0.006	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.08	<0.005	<0.004
SEP													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--

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)
APR									
29...	--	--	--	--	--	--	--	--	--
MAY									
20...	--	--	--	--	--	--	--	--	--
JUN									
13...	--	--	--	--	--	--	--	--	--
JUL									
07...	--	--	--	--	--	--	--	--	--
16...	0.030	<0.02	<0.07	<0.02	<0.01	<0.009	<0.01	96	8
SEP									
22...	--	--	--	--	--	--	--	--	--

Remark codes used in this table:
< -- Less than
E -- Estimated value

Medium codes used in this table:
9 - Surface water
D - Plant tissue

02081510 FOUNDRY BRANCH AT MOUTH NEAR OXFORD, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
MAY TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---	---	---	---	---	---	---	20.1	15.7	17.7
2	---	---	---	---	---	---	---	---	---	20.6	15.9	17.8
3	---	---	---	---	---	---	---	---	---	20.1	16.7	17.7
4	---	---	---	---	---	---	---	---	---	17.7	14.2	15.3
5	---	---	---	---	---	---	---	---	---	15.8	12.2	13.3
6	---	---	---	---	---	---	---	---	---	15.9	12.7	13.7
7	---	---	---	---	---	---	---	---	---	19.4	14.3	15.9
8	---	---	---	---	---	---	---	---	---	21.7	16.7	18.4
9	---	---	---	---	---	---	---	---	---	22.1	17.2	19.1
10	---	---	---	---	---	---	---	---	---	22.4	17.7	19.7
11	---	---	---	---	---	---	---	---	---	22.2	18.6	19.9
12	---	---	---	---	---	---	---	---	---	22.4	17.1	19.7
13	---	---	---	---	---	---	---	---	---	20.9	15.2	17.6
14	---	---	---	---	---	---	---	---	---	20.7	12.8	16.5
15	---	---	---	---	---	---	---	---	---	18.3	14.8	16.6
16	---	---	---	---	---	---	---	---	---	18.7	16.2	17.3
17	---	---	---	---	---	---	---	---	---	16.7	15.1	16.0
18	---	---	---	---	---	---	---	---	---	15.1	13.8	14.4
19	---	---	---	---	---	---	---	---	---	14.7	13.5	14.1
20	---	---	---	---	---	---	---	---	---	17.1	13.6	15.2
21	---	---	---	---	---	---	---	---	---	16.9	14.8	15.7
22	---	---	---	---	---	---	---	---	---	16.3	15.0	15.7
23	---	---	---	---	---	---	---	---	---	15.9	15.4	15.7
24	---	---	---	---	---	---	---	---	---	16.5	15.3	15.9
25	---	---	---	---	---	---	---	---	---	17.6	15.8	16.7
26	---	---	---	---	---	---	---	---	---	18.8	17.2	18.0
27	---	---	---	---	---	---	---	---	---	18.2	16.2	17.2
28	---	---	---	---	---	---	---	---	---	18.2	15.1	16.4
29	---	---	---	---	---	---	---	---	---	18.6	15.6	16.5
30	---	---	---	---	---	---	---	---	---	19.4	14.8	16.6
31	---	---	---	---	---	---	---	---	---	19.4	15.5	16.8
MONTH	---	---	---	---	---	---	---	---	---	22.4	12.2	16.7
	JUNE			JULY			AUGUST			SEPTEMBER		
1	20.4	15.5	17.2	24.2	22.4	23.2	25.7	23.2	24.3	27.1	23.8	25.1
2	19.7	13.7	16.2	22.4	21.3	21.9	24.6	22.9	23.9	27.0	23.3	25.1
3	18.3	14.4	16.2	22.2	21.3	21.8	26.3	22.8	24.4	26.9	23.2	25.1
4	21.8	16.1	18.5	23.9	20.4	21.9	25.6	23.7	24.8	26.0	23.4	24.4
5	21.6	19.6	20.6	26.4	21.6	23.4	26.0	22.9	24.2	25.4	21.9	23.4
6	21.8	18.0	19.6	27.1	22.6	24.3	25.8	21.6	23.7	21.9	18.9	20.3
7	23.0	19.1	20.3	26.4	23.0	24.3	24.6	22.6	23.4	21.9	17.9	20.3
8	22.5	20.7	21.4	28.2	22.5	24.9	24.0	22.6	23.2	20.8	19.6	20.0
9	22.2	20.4	21.4	28.5	23.3	25.1	25.5	22.7	23.6	21.8	19.0	20.1
10	22.9	19.6	21.1	28.3	23.9	25.5	23.8	22.4	23.0	21.1	18.5	19.4
11	23.5	19.9	21.4	27.9	23.4	24.9	24.2	22.6	23.3	22.0	16.4	19.1
12	24.5	20.7	22.1	27.7	23.3	25.0	25.5	22.6	23.6	20.0	18.7	19.2
13	24.4	21.1	22.2	25.1	22.6	23.5	25.6	22.9	23.9	19.9	18.5	19.2
14	25.5	21.2	22.8	24.5	21.8	23.0	25.5	22.9	24.0	22.7	19.7	20.9
15	25.0	21.6	23.0	26.4	21.9	23.8	27.1	22.7	24.5	23.3	20.0	21.5
16	23.7	21.2	22.5	27.8	22.3	24.5	26.2	23.1	24.3	23.7	18.4	21.3
17	21.2	19.9	20.5	27.1	22.7	24.5	26.8	23.1	24.6	22.6	16.1	19.2
18	21.8	19.6	20.5	27.4	22.0	24.4	26.6	23.0	24.6	19.7	18.3	19.1
19	23.1	20.6	22.2	25.6	22.8	24.2	25.0	22.9	23.9	21.5	19.0	20.0
20	22.8	20.5	21.6	27.0	21.9	24.3	25.6	22.4	24.0	23.4	18.9	20.7
21	21.6	19.1	20.4	27.2	22.6	25.0	26.6	21.8	24.2	23.5	18.8	20.9
22	22.5	17.6	19.6	27.3	24.0	25.6	26.2	22.7	24.6	22.4	20.4	21.2
23	24.4	18.0	20.5	24.9	22.9	23.5	26.1	22.4	24.5	22.4	21.0	21.9
24	25.2	18.4	21.2	25.9	22.4	23.7	25.0	22.1	23.7	21.9	19.1	20.2
25	26.0	19.2	22.0	25.7	20.7	23.2	25.6	20.3	23.3	22.4	18.0	19.8
26	26.7	19.8	22.7	26.0	21.3	23.8	26.6	21.9	24.4	22.6	18.1	20.0
27	26.7	21.0	23.4	27.3	22.6	25.1	27.2	22.6	25.2	23.0	17.7	20.2
28	23.6	21.3	22.4	27.4	23.9	25.8	28.1	23.8	26.0	21.8	19.3	20.4
29	26.1	20.4	22.9	26.0	24.0	24.8	28.5	24.4	26.4	19.3	16.3	17.7
30	26.5	21.0	23.4	24.1	22.7	23.1	28.7	24.6	26.6	18.0	13.2	15.8
31	---	---	---	24.0	22.0	22.9	26.2	24.3	25.1	---	---	---
MONTH	26.7	13.7	21.0	28.5	20.4	24.0	28.7	20.3	24.3	27.1	13.2	20.7

02081510 FOUNDRY BRANCH AT MOUTH NEAR OXFORD, NC—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
OCTOBER TO NOVEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	16.5	13.2	15.0	16.7	11.5	13.9	---	---	---	---	---	---
2	16.7	13.6	15.0	17.1	11.9	14.4	---	---	---	---	---	---
3	15.2	9.8	12.8	17.3	12.2	14.7	---	---	---	---	---	---
4	16.6	10.9	14.0	17.6	13.7	15.6	---	---	---	---	---	---
5	17.2	12.8	15.2	18.3	15.4	16.8	---	---	---	---	---	---
6	---	---	---	20.3	16.9	18.5	---	---	---	---	---	---
7	---	---	---	19.8	18.0	18.8	---	---	---	---	---	---
8	---	---	---	18.1	13.7	16.5	---	---	---	---	---	---
9	19.0	16.5	17.5	14.0	10.3	12.4	---	---	---	---	---	---
10	17.9	16.9	17.5	13.0	8.3	10.5	---	---	---	---	---	---
11	18.1	17.6	17.9	12.7	8.3	10.7	---	---	---	---	---	---
12	20.8	17.3	18.8	15.6	11.0	13.5	---	---	---	---	---	---
13	19.8	16.3	18.3	14.9	9.5	12.8	---	---	---	---	---	---
14	18.8	17.6	18.2	10.4	6.7	8.7	---	---	---	---	---	---
15	18.7	15.0	17.4	10.3	8.8	9.6	---	---	---	---	---	---
16	17.5	12.6	14.9	12.8	9.8	11.2	---	---	---	---	---	---
17	16.9	11.9	14.7	---	---	---	---	---	---	---	---	---
18	16.9	13.7	15.2	---	---	---	---	---	---	---	---	---
19	17.0	10.8	13.9	---	---	---	---	---	---	---	---	---
20	17.1	11.8	14.4	---	---	---	---	---	---	---	---	---
21	17.6	13.2	15.4	---	---	---	---	---	---	---	---	---
22	17.5	13.8	15.6	---	---	---	---	---	---	---	---	---
23	13.8	10.7	12.3	---	---	---	---	---	---	---	---	---
24	14.1	8.8	11.3	---	---	---	---	---	---	---	---	---
25	13.9	10.4	12.1	---	---	---	---	---	---	---	---	---
26	15.1	13.7	14.4	---	---	---	---	---	---	---	---	---
27	16.1	13.9	14.9	---	---	---	---	---	---	---	---	---
28	14.9	13.3	13.8	---	---	---	---	---	---	---	---	---
29	14.1	12.3	13.2	---	---	---	---	---	---	---	---	---
30	14.9	11.4	12.8	---	---	---	---	---	---	---	---	---
31	15.8	11.4	13.3	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---