02085430 DEEP CREEK NEAR MORIAH, 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.

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, 31.8°C, Aug. 30, 2003; minimum recorded, 0.0°C, Jan. 19, 23, Feb. 17, 2003.

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

Date	Time	Medium code	Instan- taneous dis- charge, cfs (00061)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Chlor- ide, 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)
MAR													
04	1400	9	E77	753	11.1	95	6.2	47	8.0	4.02	6.2	0.24	< 0.04
MAY	1.400	P	F2 0		0.6		7.0	60	10.4				
16 JUN	1400	D	E29		8.6		7.0	60	18.4				
24	1200	9			7.9		6.0	60	18.9				
JUL													
07	1000	9											
16	0900	9	E14	750	8.8	103	6.7	65	22.5	4.39	2.1	0.36	< 0.04

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Phos- phorus, water, unfltrd mg/L (00665)	Total nitro- gen, water, unfltrd mg/L (00600)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Biomass peri- phyton, ashfree drymass g/m2 (49954)	Peri- phyton biomass ash weight, g/m2 (00572)	Peri- phyton biomass dry weight, g/m2 (00573)
MAR													
04	0.23	< 0.008	< 0.02	0.04	0.027	0.46	0.3	< 0.1	0.3	4.5			
MAY													
16											3.700	46	50.10
JUN 24													
24 JUL													
07													
16	0.20	< 0.008	< 0.02	0.04	0.029	0.57	0.4	< 0.1	0.4	4.9			
- 5111													

Date	Biomass chloro- phyll ratio, peri- phyton, number (70950)	Pheo- phytin a, peri- phyton, mg/m2 (62359)	E coli, modif. m-TEC, water, col/ 100 mL (90902)	Chloro- phyll a peri- phyton, chromo- fluoro, mg/m2 (70957)	1-Naph- thol, water, fltrd 0.7u GF ug/L (49295)	2,6-Di- ethyl- 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)	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)
MAR													
04			K12		< 0.09	< 0.006	< 0.1	< 0.005	E.006	< 0.004	< 0.004	< 0.006	< 0.006
MAY													
16	621	7.0		6.0									
JUN													
24													
JUL													
07			97										
16					< 0.09	< 0.006	< 0.3	< 0.005	E.018	< 0.004	< 0.004	< 0.006	< 0.006

02085430 DEEP CREEK NEAR MORIAH, NC-Continued

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

Date	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)	Cyper- methrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulf- inyl fipro- nil, 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 16	<0.004	0.051	<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- fipro- nil amide, wat flt ug/L (62169)	Fipro- nil sulfide water, fltrd, ug/L (62167)	Fipro- nil sulfone water, fltrd, ug/L (62168)
MAR 04 MAY	< 0.04	< 0.005	< 0.08	< 0.005	< 0.006	< 0.03	< 0.004	< 0.008	< 0.03	< 0.03	< 0.009	< 0.005	< 0.005
16													
JUN 24													
JUL													
07 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	Fipro- 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)
MAR 04	< 0.007	< 0.002	< 0.003		<1	< 0.003	< 0.008	< 0.027	< 0.005	< 0.006	< 0.03	< 0.006	E.004
MAY 16													
JUN 24													
JUL 07 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.007

	Metri- buzin, water,	Myclo- butanil water,	Pendi- meth- alin, water, fltrd	Phorate oxon, water,	Phorate water fltrd	Phosmet oxon, water,	Phosmet water,	Prome- ton, water,	Prome- tryn, water,	Pron- amide, water, fltrd	Sima- zine, water,	Tebu- thiuron water fltrd	Ter- bufos oxon sulfone water,
Date	fltrd, ug/L (82630)	fltrd, ug/L (61599)	0.7u GF ug/L (82683)	fltrd, ug/L (61666)	0.7u GF ug/L (82664)	fltrd, ug/L (61668)	fltrd, ug/L (61601)	fltrd, ug/L (04037)	fltrd, ug/L (04036)	0.7u GF ug/L (82676)	fltrd, ug/L (04035)	0.7u GF ug/L (82670)	fltrd, ug/L (61674)
MAR 04 MAY	< 0.006	< 0.008	< 0.022	< 0.10	< 0.011	< 0.06	< 0.008	< 0.01	< 0.005	< 0.004	E.002	< 0.02	< 0.07
16 JUN													
24													
JUL 07 16	 <0.006	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	 M	<0.005	<0.004	0.032	< 0.02	 <0.07
16	<0.006	<0.008	< 0.022	<0.10	<0.011	<0.06	<0.008	M	<0.005	< 0.004	0.032	< 0.02	<0.07

02085430 DEEP CREEK NEAR MORIAH, NC-Continued

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

Date	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)
MAR 04 MAY	< 0.02	< 0.01	<0.009	< 0.01	95	7
16 JUN						
24 JUL						
07 16	<0.02	<0.01	<0.009	<0.01	 89	 6

Remark codes used in this table: < -- Less than E -- Estimated value M-- Presence verified, not quantified K -- Counts outside the acceptable range

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

TEMPERATURE, WATER, DEGREES CELSIUS AUGUST TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST		S	EPTEMBI	ER
1										20.3	19.7	20.0
2										21.0	19.8	20.3
3										23.0	19.2	21.1
4										24.8	20.9	22.8
5										25.9	22.0	23.6
6										24.2	19.5	21.7
7										24.8	19.3	21.6
8										24.4	18.8	21.2
9										25.7	19.4	21.8
10										27.0	20.4	23.1
11										27.6	19.9	23.1
12										26.5	17.5	21.3
13										26.2	15.6	20.4
14										21.6	19.1	20.5
15										22.9	21.0	21.7
16										25.1	21.3	22.6
17										26.2	20.7	22.9
18										23.8	20.6	22.2
19										26.4	21.2	23.0
20										27.0	20.3	23.1
21										26.4	20.0	23.1
22										29.3	20.6	24.1
23										24.8	20.8	22.8
24										26.5	18.1	21.6
25										22.9	18.9	20.8
26												
27												
28												
29												
30							21.1	20.1	20.6			
31							20.3	19.9	20.1			
MONTH												

02085430 DEEP CREEK NEAR MORIAH, 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		Ν	IOVEMBEI	R		DECEMBEI	ર		JANUARY	
1 2 3 4 5	 	 	 	 	 	 	7.6 5.6 7.6 2.8 3.1	2.9 1.5 2.8 0.3 0.3	4.9 3.8 4.5 1.8 1.9	11.2 10.8 9.6 8.5 6.0	7.9 9.4 8.5 6.0 4.8	10 9.8 9.4 7.3 5.4
6 7 8 9 10	 	 	 	 	 	 	4.4 3.9 4.4 5.0 4.7	3.1 2.5 2.7 4.2 4.0	3.8 3.3 3.6 4.6 4.4	5.8 4.9 6.1 8.1 7.9	4.6 3.3 3.9 5.4 6.0	5.2 4.1 4.9 6.7 7.1
11 12 13 14 15	 	 	 	 11.4	 9.5	 10.6	5.4 6.7 6.6 7.4 7.0	4.2 5.2 6.0 6.1 5.8	5.0 5.9 6.2 6.8 6.4	6.0 4.0 3.9 4.5 4.5	3.8 2.4 1.2 2.2 1.9	5.0 3.3 2.6 3.3 3.3
16 17 18 19 20	 	 	 	12.2 12.2 11.4 9.7 9.8	11.4 11.4 9.5 8.1 8.0	11.8 12.0 10.4 9.1 9.0	7.3 6.7 7.1 7.9 10.9	5.6 5.6 5.7 6.7 7.9	6.5 6.2 6.4 7.2 9.7	2.8 3.7 2.2 1.2 3.8	$ \begin{array}{r} 1.1 \\ 1.3 \\ 0.1 \\ 0.0 \\ 0.3 \\ \end{array} $	2.0 2.3 0.7 0.4 1.7
21 22 23 24 25	 	 	 	10.3 10.4 8.8 9.0 9.8	8.9 8.6 7.2 6.2 6.7	9.6 9.7 8.0 7.7 8.2	9.4 8.0 7.7 7.2 7.2	7.0 5.8 6.2 6.6 6.5	8.1 6.9 7.0 6.9 7.0	2.8 3.6 1.9 1.1 1.9	$1.5 \\ 0.4 \\ 0.0 \\ 0.1 \\ 0.1$	2.1 1.8 0.7 0.3 0.5
26 27 28 29 30 31	 	 	 	9.4 8.6 7.2 6.6 9.1	6.8 6.0 3.6 2.3 5.0	8.2 7.6 5.1 4.4 6.7	6.5 5.5 5.0 5.9 6.3	5.5 4.2 3.3 3.9 4.3	6.0 4.8 4.3 4.9 5.3	1.2 1.5 0.8 1.9 3.5	0.2 0.2 0.2 0.4 1.9	0.5 0.5 0.4 1.0 2.8
MONTH							7.9 10.9	5.4 0.3	6.5 5.5	4.1 11.2	3.4 0.0	3.8 3.5
		FEBRUARY			MARCH		10.9	APRIL	5.5	11.2	MAY	5.5
1 2 3 4 5	5.8 6.3 7.3 10.0 8.0	4.1 4.2 4.6 7.2 5.4	4.9 5.2 6.0 8.6 6.7	6.4 8.3 8.5 8.6 11.5	4.6 6.3 6.7 5.9 8.4	5.3 7.1 7.7 7.3 9.8	11.8 15.4 17.3 17.2 16.8	8.2 10.7 12.9 14.2 15.1	9.9 13.0 15.1 15.8 15.8	 	 	
6 7 8 9 10	5.4 5.1 5.0 4.8 4.9	3.6 3.5 3.8 3.0 4.0	4.5 4.3 4.4 3.8 4.3	11.7 11.2 9.5 12.6 11.3	10.8 7.2 5.7 8.7 8.8	11.2 9.0 7.6 10.5 10.1	16.6 15.0 9.6 9.4 9.0	13.5 9.6 9.4 8.3 8.4	15.1 11.2 9.5 8.8 8.6	 	 	
11 12 13 14 15	5.7 6.3 5.5 5.1 6.0	3.2 3.8 3.0 3.5 5.1	4.4 4.9 4.3 4.4 5.5	8.8 10.5 12.8 12.8 10.6	6.7 5.4 8.5 10.6 8.6	7.5 7.9 10.7 11.8 9.1	9.3 13.3 14.7 15.7	8.3 9.2 10.9 11.7	8.7 11.0 12.8 13.7	 	 	
16 17 18 19 20	5.2 1.2 4.4 5.0 6.4	1.1 0.0 1.2 2.7 4.6	3.4 0.6 2.7 3.9 5.4	10.2 11.9 12.9 12.6 10.7	8.4 10.2 11.4 10.7 8.1	9.2 11.0 12.1 11.8 8.8	 	 	 	 	 	
21 22 23 24 25	6.5 7.0 8.9 8.5 8.2	5.6 6.4 7.0 5.8 6.7	6.1 6.6 8.0 7.2 7.6	11.1 13.2 13.4 14.9 15.3	8.1 10.2 10.4 11.3 11.0	9.5 11.7 12.1 13.0 13.2	 	 	 	 	 	
26 27 28 29 30 31	7.4 5.0 4.8 	5.0 4.0 3.8	6.1 4.3 4.3	16.7 16.4 16.6 18.0 16.9 10.8	12.6 13.4 12.7 15.4 9.9 8.5	14.6 14.8 14.7 16.5 12.8 9.7	 	 	 	 	 	
MONTH	10.0	0.0	5.1	18.0	4.6	10.6						

02085430 DEEP CREEK NEAR MORIAH, NC-Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST	,	S	EPTEMBE	ER
1 2 3 4 5	 20.8	 18.9	 19.7	23.3 22.0 21.0 22.4 24.3	21.9 20.4 20.6 19.9 21.4	22.4 21.1 20.8 21.1 22.7	25.8 24.2 26.3 25.8 25.9	22.8 22.8 22.7 23.4 22.5	23.9 23.4 24.3 24.5 24.0	25.1 26.7 26.8 25.9 22.9	22.1 22.0 21.6 22.2 21.0	23.5 24.2 24.2 23.6 22.0
6 7 8 9 10	20.7 20.4 20.4 20.7 21.5	17.5 19.2 19.4 19.7 19.4	19.2 19.7 19.9 20.1 20.5	25.3 25.0 26.5 27.3 26.5	22.7 23.1 22.9 23.8 23.3	23.9 24.1 24.6 25.2 24.8	24.8 24.2 23.8 23.5 22.5	21.9 21.8 21.6 21.6 21.4	23.3 22.8 22.6 22.5 22.0	21.3 21.1 20.3 20.8 20.6	18.8 17.3 18.4 17.6 17.1	20.0 19.4 19.2 19.1 18.4
11 12 13 14 15	22.1 23.0 22.8 23.9 24.4	19.6 20.7 21.0 21.4 22.0	20.9 21.8 21.8 22.5 23.0	26.6 26.1 25.2 23.6 25.0	23.7 22.7 22.6 22.1 22.2	24.9 24.3 23.7 22.8 23.4	23.3 23.9 23.9 25.0 26.0	21.7 21.7 22.1 22.2 22.2	22.4 22.7 23.0 23.5 23.9	24.3 20.2 19.7 23.0 25.0	14.8 16.6 17.6 18.9 19.3	18.3 18.0 18.6 20.7 21.3
16 17 18 19 20	23.0 21.3 20.5 22.0 21.7	21.2 19.6 19.3 20.3 20.4	22.0 20.2 19.8 21.0 21.0	26.3 25.2 25.9 25.9 26.6	22.6 22.8 22.3 23.0 22.2	24.2 23.9 24.1 24.4 24.3	25.5 26.0 25.3 25.2 25.6	22.8 22.5 22.3 22.1 21.5	23.8 24.1 23.8 23.5 23.5	26.2 25.2 19.0 19.3 20.2	17.6 14.6 17.0 17.6 17.9	20.9 18.7 17.9 18.3 19.1
21 22 23 24 25	21.0 20.8 22.4 23.3 24.4	18.9 17.7 18.4 18.9 19.8	20.0 19.3 20.3 21.0 22.0	27.1 27.1 24.5 24.4 25.1	22.5 23.4 22.9 21.9 20.9	24.8 25.0 23.4 23.1 22.9	25.9 27.0 26.9 26.0 26.6	21.0 21.8 21.4 21.4 18.9	23.7 24.2 24.0 23.4 22.7	20.8 21.1 20.9 19.9 19.6	18.2 19.9 19.8 18.2 17.1	19.6 20.4 20.4 19.1 18.4
26 27 28 29 30 31	25.5 25.7 23.4 24.9 25.8	21.0 22.1 22.0 20.8 21.3	23.1 23.8 22.7 22.8 23.5	25.8 27.4 27.9 26.7 24.3 24.4	21.1 22.1 23.3 23.5 22.7 22.0	23.5 24.7 25.6 25.1 23.3 23.0	28.0 29.7 30.6 30.8 31.8 29.5	20.7 21.8 22.7 23.0 23.2 23.0	24.0 25.0 25.8 25.9 26.0 24.4	20.1 20.8 20.6 19.4 17.6	17.3 17.3 17.7 14.2 11.5	18.7 19.1 19.3 16.8 14.5
MONTH						23.7 , WATER, DI R TO NOVEN		18.9 LSIUS	23.8	26.8	11.5	19.7
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBE	ર	Ν	OVEMBE	ER	D	ECEMBE	ER		JANUAR	Y
1	16.9	11.5	13.6	16.2	13.4	14.9						
2	19.0	11.1	14.1	16.8	14.3	15.6						
3	16.9	8.0	11.8	16.9	14.1	15.7						
4	18.3	8.5	12.8	17.8	15.8	16.8						
5	19.9	10.7	14.3	19.0	16.8	17.9						
6				20.1	17.9	18.8						
7				19.5	18.6	19.1						
8				18.7	14.6	16.7						
9	19.8	18.0	18.7	14.6	11.9	13.1						
10	19.2	18.2	18.5	12.7	10.5	11.7						
11	18.3	17.8	18.0	13.4	10.5	12.2						
12	19.4	17.5	18.4	15.9	13.0	14.5						
13	19.4	17.8	18.7	15.7	10.5	13.8						
14	19.3	18.4	18.7	10.5	8.6	9.6						
15	18.7	16.2	17.4	10.8	9.0	10.0						
16	16.8	14.3	15.7	13.4	10.7	12.2						
17	18.0	13.9	15.6									
18	17.1	14.8	15.9									
19	15.7	13.1	14.5									
20	16.1	13.7	15.0									
21	17.2	14.9	16.0									
22	17.0	14.3	16.0									
23	14.3	12.3	13.2									
24	13.0	10.8	12.0									
25	14.2	11.6	12.9									
26	15.9	14.1	15.1									
27	17.2	15.7	16.4									
28	16.3	13.9	14.9									
29	15.7	13.2	14.7									
30	15.7	13.6	14.6									
31	15.9	13.3	14.6									
MONTH												