

02100294 HASKETTS CREEK BELOW PENWOOD BRANCH NEAR ASHEBORO, 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.

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, 28.0°C, July 29, Aug. 23, 2002; minimum recorded, 0.9°C, Dec. 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	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 total, mg/L (00688)	Organic carbon, suspnd total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)
FEB 19...	1300	9	8.6	753	12.3	97	7.0	258	4.7	59.3	9.1	0.44	<0.04
FEB 20...	0913	9	--	--	--	--	--	--	--	--	--	--	--
MAY 13...	1415	D	2.5	--	7.3	--	7.0	113	18.4	--	--	--	--
JUN 11...	1220	9	--	--	7.0	--	6.8	102	20.0	--	--	--	--
JUL 01...	0950	9	--	--	--	--	--	--	--	--	--	--	--
JUL 08...	1130	9	2.7	745	6.7	80	6.7	121	23.1	7.74	4.6	0.34	<0.04
FEB 19...	--	--	0.40	--	E.004	<0.02	0.09	0.046	0.84	0.7	<0.1	0.7	6.4
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 08...	0.385	0.09	0.11	0.076	0.023	E.01	0.04	0.059	0.45	0.3	<0.1	0.3	5.7
FEB 19...	--	--	--	--	--	--	--	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004
FEB 20...	--	--	--	--	--	85	--	--	--	--	--	--	--
MAY 13...	2.000	32	33.50	413	2.5	--	4.8	--	--	--	--	--	--
JUN 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 01...	--	--	--	--	--	2,600	--	--	--	--	--	--	--
JUL 08...	--	--	--	--	--	--	--	<0.09	<0.006	<0.1	<0.005	<0.006	<0.004

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

Date	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)	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)
FEB 19...	<0.004	<0.006	<0.006	<0.004	E.002	<0.02	<0.050	<0.010	E.004	<0.06	<0.005	<0.006	<0.008
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 08...	<0.004	<0.006	<0.006	<0.004	<0.007	<0.02	<0.050	<0.010	E.005	<0.06	<0.005	<0.006	<0.008
Date	Cypermethrin water, fltrd, ug/L (61586)	DCPA, water fltrd, 0.7u GF (82682)	Desulf-inyl fipronil, water, fltrd, ug/L (62170)	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-uate, water, fltrd, 0.7u GF (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)
FEB 19...	<0.009	<0.003	E.003	<0.04	E.004	<0.08	<0.005	<0.006	<0.03	<0.004	<0.008	<0.03	<0.03
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 08...	<0.009	<0.003	<0.004	<0.01	0.009	<0.08	<0.005	<0.006	<0.03	<0.004	<0.031	<0.03	<0.03
Date	Desulf-inyl-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)	Hexa-zinone, water, fltrd, ug/L (04025)	Ipro-dione, water, fltrd, ug/L (61593)	Isofen-phos, water, fltrd, ug/L (61594)	Malax-on, water, fltrd, ug/L (61652)	Malathion, water, fltrd, ug/L (39532)	Meta-laxyl, water, fltrd, ug/L (61596)	Methi-althion water, fltrd, ug/L (61598)
FEB 19...	<0.009	<0.005	E.005	E.017	<0.002	<0.003	--	<1	<0.003	<0.008	<0.027	<0.005	<0.006
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 08...	<0.009	E.004	<0.006	E.008	<0.002	<0.003	0.049	<1	<0.003	<0.008	<0.027	<0.005	<0.006
Date	Methyl para-oxon, water, fltrd, ug/L (61664)	Methyl para-thion, water, fltrd, 0.7u GF (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 (82683)	Phorate oxon, water, fltrd, ug/L (61666)	Phorate water fltrd, 0.7u GF (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 (82676)
FEB 19...	<0.03	<0.006	<0.013	<0.006	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.04	<0.005	<0.004
FEB 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 13...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 08...	<0.03	<0.006	<0.013	<0.006	<0.008	<0.022	<0.10	<0.011	<0.06	<0.008	0.03	<0.005	<0.004

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

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)	Sus- pended sedi- ment load, tons/d (80155)
FEB 19...	E.005	<0.02	<0.07	<0.02	<0.01	<0.009	<0.01	96	19	0.44
20...	--	--	--	--	--	--	--	--	--	--
MAY 13...	--	--	--	--	--	--	--	--	--	--
JUN 11...	--	--	--	--	--	--	--	--	--	--
JUL 01...	--	--	--	--	--	--	--	--	--	--
08...	E.004	<0.02	<0.07	<0.02	<0.01	<0.009	<0.01	96	9	0.07

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	22.4	24.3	20.0	19.2	19.6			
2	---	---	---	---	---	---	25.8	22.1	23.9	20.4	19.3	19.8			
3	---	---	---	---	---	---	25.7	21.2	23.4	22.3	18.5	20.2			
4	---	---	---	---	---	---	25.5	20.7	23.1	24.3	19.9	21.8			
5	---	---	---	---	---	---	25.8	20.6	23.2	23.8	20.5	21.9			
6	---	---	---	---	---	---	25.7	21.2	23.1	22.8	18.0	20.4			
7	---	---	---	---	---	---	25.6	17.7	20.3	22.0	18.3	20.1			
8	---	---	---	---	---	---	22.0	15.6	18.9	21.5	17.3	19.4			
9	---	---	---	24.3	20.6	22.3	22.5	15.5	19.0	21.6	18.0	19.6			
10	---	---	---	25.1	22.0	23.3	23.3	15.9	19.5	22.6	18.9	20.5			
11	---	---	---	22.8	20.1	21.4	24.8	17.5	20.9	22.6	18.4	20.3			
12	---	---	---	21.4	19.8	20.5	26.0	19.7	22.6	19.8	16.4	18.2			
13	---	---	---	22.0	19.3	20.6	26.2	21.0	23.5	20.3	15.6	18.1			
14	---	---	---	23.7	21.2	22.1	24.6	20.3	22.9	22.2	18.6	20.1			
15	---	---	---	24.0	21.3	22.4	24.9	22.4	23.1	21.7	21.0	21.3			
16	---	---	---	25.1	21.1	23.0	24.7	21.6	22.6	22.0	21.0	21.4			
17	---	---	---	25.0	20.8	23.0	25.2	21.6	23.2	22.5	20.8	21.5			
18	---	---	---	25.4	21.4	23.4	25.9	21.9	23.6	22.3	21.1	21.5			
19	---	---	---	25.8	21.8	23.8	26.0	21.6	23.6	22.4	21.7	22.0			
20	---	---	---	24.8	21.6	23.0	26.1	21.3	23.5	22.7	21.2	21.8			
21	---	---	---	25.6	20.8	23.2	25.4	20.7	23.0	22.7	20.7	21.6			
22	---	---	---	25.2	21.0	22.7	26.5	21.8	24.0	23.3	20.9	21.9			
23	---	---	---	23.9	22.0	22.9	28.0	22.6	25.1	21.9	20.2	21.2			
24	---	---	---	24.3	22.4	23.2	27.9	22.5	24.4	20.5	18.1	19.3			
25	---	---	---	25.4	23.1	23.8	26.0	21.1	23.3	19.3	18.2	18.8			
26	---	---	---	24.5	23.4	23.8	22.9	20.8	21.9	19.6	18.0	18.7			
27	---	---	---	25.8	23.1	24.1	21.5	19.9	20.5	21.2	19.3	20.3			
28	---	---	---	27.5	22.7	24.7	20.6	19.5	20.2	21.2	20.5	20.9			
29	---	---	---	28.0	23.7	25.6	20.4	19.7	20.0	20.8	18.9	19.9			
30	---	---	---	27.1	23.8	25.3	20.2	19.6	19.9	19.8	17.1	18.5			
31	---	---	---	26.4	22.8	24.6	20.1	19.3	19.9	---	---	---			
MONTH	---	---	---	---	---	---	28.0	15.5	22.3	24.3	15.6	20.4			

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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	21.3	18.3	19.5	10.6	9.3	9.9	5.9	3.9	5.1	11.1	7.9	9.8
2	21.8	18.3	20.0	9.7	8.2	8.9	5.2	3.1	4.1	11.0	10.1	10.3
3	21.9	19.2	20.6	9.6	8.0	8.7	5.8	3.5	4.5	10.1	9.5	10
4	22.0	19.4	20.7	10.5	8.8	9.6	4.1	1.8	3.1	9.5	7.8	8.5
5	22.5	20.3	21.3	11.0	9.9	10.2	3.8	0.9	2.3	7.8	7.0	7.3
6	20.8	18.3	19.3	11.8	10.9	11.3	4.3	3.5	3.9	7.3	7.0	7.2
7	20.1	17.3	18.6	10.9	9.1	9.9	3.9	2.8	3.5	7.1	6.4	6.6
8	18.3	15.2	16.3	9.5	8.0	8.8	4.3	2.9	3.6	6.9	6.1	6.5
9	16.1	14.6	15.3	10.7	8.6	9.7	4.9	4.1	4.4	7.8	6.9	7.3
10	18.3	14.9	16.1	13.2	10.5	11.9	4.8	4.0	4.4	8.2	7.7	7.9
11	19.1	18.2	18.6	15.3	13.2	14.5	5.2	4.2	4.7	7.7	6.5	7.1
12	19.5	18.6	19.0	15.8	13.9	15.1	7.4	5.2	6.3	6.5	5.4	5.9
13	19.2	18.5	18.9	13.9	11.5	12.9	7.1	6.4	6.7	5.4	4.9	5.2
14	18.5	15.7	17.1	11.5	9.7	10.4	8.0	7.1	7.6	5.4	4.6	5.0
15	15.7	13.8	14.6	10.8	9.0	10	7.6	6.5	6.9	5.4	4.6	5.0
16	15.3	13.8	14.6	12.2	10.8	11.5	7.4	6.1	6.8	4.7	4.2	4.5
17	14.9	13.7	14.2	12.2	10.9	11.9	7.3	6.6	7.0	4.8	4.3	4.5
18	13.9	12.1	12.8	10.9	8.9	9.7	7.5	6.7	7.1	4.3	3.1	3.7
19	13.2	11.4	12.3	9.0	7.6	8.4	8.1	7.5	7.7	3.4	2.8	3.0
20	14.1	12.6	13.4	9.2	7.6	8.5	10.8	8.1	9.7	4.1	2.9	3.4
21	14.4	13.4	14.0	10.2	9.1	9.6	9.9	7.8	8.6	4.0	3.6	3.8
22	13.5	13.0	13.3	9.8	8.5	9.5	8.1	7.2	7.7	4.2	3.4	3.8
23	13.6	12.6	13.0	8.5	7.1	7.7	7.9	7.0	7.4	3.8	2.8	3.3
24	13.2	12.5	12.9	8.0	6.2	7.1	7.7	7.0	7.4	2.9	2.4	2.6
25	12.8	12.3	12.5	8.4	6.5	7.3	7.8	7.1	7.5	2.9	2.2	2.5
26	13.5	12.3	12.8	8.3	6.6	7.3	7.2	6.1	6.4	2.9	2.4	2.6
27	13.9	13.0	13.4	7.9	6.1	7.2	6.2	5.3	5.7	2.8	2.3	2.6
28	14.4	13.6	13.9	6.2	4.1	5.4	5.6	4.9	5.3	2.9	2.1	2.5
29	14.0	12.1	12.9	5.2	3.4	4.2	6.2	5.3	5.8	3.6	2.6	3.2
30	12.1	11.2	11.5	6.8	4.3	5.5	6.6	5.8	6.2	4.5	3.6	4.0
31	11.2	10.3	10.7	---	---	---	7.9	6.5	7.0	4.7	4.3	4.5
MONTH	22.5	10.3	15.6	15.8	3.4	9.4	10.8	0.9	5.9	11.1	2.1	5.3
	FEBRUARY			MARCH			APRIL			MAY		
1	5.5	4.7	5.1	7.0	5.5	6.2	12.2	7.7	9.9	18.2	17.1	17.7
2	5.7	5.1	5.4	9.1	6.9	7.8	15.2	11.0	13.1	19.1	16.8	17.9
3	6.6	5.5	5.9	9.0	6.9	8.0	16.7	12.9	14.9	18.9	17.6	18.3
4	8.9	6.6	7.7	9.2	6.3	7.8	16.9	14.4	15.8	18.4	16.7	17.3
5	8.5	7.1	7.7	11.3	9.0	10.1	16.4	15.3	15.8	16.7	14.8	15.4
6	7.1	6.2	6.6	11.5	10.7	11.0	16.3	13.8	15.2	16.6	14.8	15.7
7	6.3	5.4	5.7	11.2	7.8	9.4	15.5	10.1	11.4	18.2	16.3	17.1
8	6.0	5.2	5.6	9.3	6.3	7.9	10.3	9.5	9.9	20.0	17.6	18.7
9	5.8	5.2	5.5	11.7	8.7	10.1	9.5	8.4	9.0	21.1	19.3	20.2
10	6.0	5.8	5.9	11.0	9.3	10.2	9.2	7.5	8.3	21.8	20.2	21.0
11	6.0	5.4	5.7	9.6	8.0	8.8	10.0	8.7	9.2	21.5	20.3	21.0
12	6.3	5.8	6.0	10.5	7.3	8.9	13.4	9.3	11.1	20.4	18.6	19.5
13	6.0	5.5	5.8	12.0	9.3	10.5	14.9	11.1	12.9	19.1	16.7	18.0
14	5.9	5.5	5.7	12.4	11.3	11.9	15.6	11.7	13.6	18.5	15.6	17.1
15	6.7	5.9	6.3	11.3	9.4	10.2	17.1	13.1	15.1	17.7	16.6	17.2
16	6.6	4.8	6.0	10.3	9.2	9.6	18.0	14.4	16.3	18.4	17.2	17.7
17	4.8	4.1	4.3	12.0	10.3	11.1	17.8	15.0	16.5	18.1	16.5	17.4
18	5.1	4.0	4.4	12.6	11.8	12.1	16.1	13.0	14.1	16.5	15.4	15.8
19	5.8	4.7	5.2	12.4	11.2	11.9	13.4	12.4	12.8	15.8	14.7	15.0
20	6.9	5.8	6.3	11.2	8.2	9.1	15.2	12.7	13.8	16.7	14.2	15.5
21	7.1	6.7	6.8	12.3	9.2	10.6	15.5	14.6	15.0	18.2	16.2	16.7
22	8.6	7.1	7.7	13.7	10.8	12.2	17.0	15.1	15.8	18.1	16.6	17.0
23	9.4	8.6	9.1	13.7	10.5	12.2	16.0	13.3	14.8	16.8	16.4	16.6
24	8.8	7.6	8.3	14.6	10.9	12.7	15.0	12.2	13.9	17.4	16.4	16.8
25	8.8	8.2	8.5	15.3	10.8	13.1	14.6	14.1	14.4	19.1	17.0	18.0
26	8.5	7.1	7.9	16.5	13.0	14.6	16.0	14.4	15.1	19.2	18.2	18.7
27	7.1	4.6	6.0	16.0	13.6	14.7	17.0	14.7	15.8	18.9	17.6	18.1
28	5.7	5.2	5.5	16.4	13.0	14.8	17.7	14.6	16.2	18.0	16.1	17.1
29	---	---	---	18.0	15.4	16.6	18.4	15.9	17.2	17.8	16.7	17.3
30	---	---	---	17.0	9.5	12.4	19.0	16.4	17.7	18.3	16.3	17.4
31	---	---	---	10.4	8.0	9.2	---	---	---	19.0	17.2	18.0
MONTH	9.4	4.0	6.3	18.0	5.5	10.8	19.0	7.5	13.8	21.8	14.2	17.6

