

0209697900 POKEBERRY CREEK NEAR PITTSBORO, 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, 28.7°C, Aug. 30, 2003; minimum recorded, 0.0°C, Jan. 19, 23-28, 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)	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)
FEB 21...	1100	9	E19	751	11.6	95	6.7	64	6.1	3.54	5.6	0.20	<0.04
MAY 14...	1300	D	4.0	--	8.3	--	7.4	88	18.1	--	--	--	--
JUN 11...	1200	9	--	--	8.3	--	7.5	92	22.7	--	--	--	--
JUL 01...	1130	9	E5.3	744	7.8	93	6.8	90	22.7	5.15	1.9	0.32	<0.04
JUL 01...	1140	9	--	--	--	--	--	--	--	--	--	--	--
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)
FEB 21...	--	--	0.34	--	<0.008	<0.02	0.06	0.026	0.54	0.3	<0.1	0.3	3.0
MAY 14...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 01...	0.969	0.22	0.25	0.089	0.027	<0.02	0.06	0.054	0.56	0.5	<0.1	0.5	4.5
JUL 01...	--	--	--	--	--	--	--	--	--	--	--	--	--
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, col/100 mL (90902)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)	1-Naphthol, water, fltrd 0.7u GF ug/L (49295)	2,6-Diethyl-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)
FEB 21...	--	--	--	--	--	80	--	<0.09	<0.006	<0.1	<0.005	E.002	<0.004
MAY 14...	4.000	61	65.00	425	3.8	--	9.4	--	--	--	--	--	--
JUN 11...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUL 01...	--	--	--	--	--	--	--	<0.09	<0.006	<0.1	<0.005	E.007	<0.004
JUL 01...	--	--	--	--	--	97	--	--	--	--	--	--	--

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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)
FEB 21...	E.003	<0.02	<0.07	<0.02	<0.01	<0.009	<0.01	96	7
MAY 14...	--	--	--	--	--	--	--	--	--
JUN 11...	--	--	--	--	--	--	--	--	--
JUL 01...	<0.005	<0.02	<0.07	<0.02	<0.01	<0.009	<0.01	98	19
01...	--	--	--	--	--	--	--	--	--

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
AUGUST TO SEPTEMBER 2002

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	20.8	19.7	20.1
2	---	---	---	---	---	---	---	---	---	21.3	19.6	20.1
3	---	---	---	---	---	---	---	---	---	23.7	18.3	20.7
4	---	---	---	---	---	---	---	---	---	25.4	19.8	22.3
5	---	---	---	---	---	---	---	---	---	24.5	20.9	22.7
6	---	---	---	---	---	---	---	---	---	23.0	18.2	20.7
7	---	---	---	---	---	---	23.8	18.6	21.2	22.2	18.3	20.5
8	---	---	---	---	---	---	22.8	16.5	19.7	21.9	17.8	20.0
9	---	---	---	---	---	---	22.1	16.4	19.4	21.5	18.5	20.3
10	---	---	---	---	---	---	22.4	16.5	19.6	22.8	20.2	21.4
11	---	---	---	---	---	---	24.1	17.5	20.8	22.6	19.0	21.0
12	---	---	---	---	---	---	25.1	19.2	22.2	21.1	17.5	19.4
13	---	---	---	---	---	---	25.7	20.6	23.2	20.1	16.3	18.4
14	---	---	---	---	---	---	24.7	21.3	23.1	20.5	19.2	19.8
15	---	---	---	---	---	---	25.7	22.2	23.5	21.3	20.2	20.5
16	---	---	---	---	---	---	24.8	22.2	23.4	21.8	20.4	21.0
17	---	---	---	---	---	---	26.1	22.3	24.0	23.0	20.0	21.3
18	---	---	---	---	---	---	27.5	22.8	24.8	21.4	20.5	21.0
19	---	---	---	---	---	---	27.0	22.0	24.1	22.7	20.7	21.5
20	---	---	---	---	---	---	26.9	21.6	24.1	23.4	19.8	21.3
21	---	---	---	---	---	---	26.3	22.1	24.3	22.8	19.2	21.0
22	---	---	---	---	---	---	27.4	23.4	25.2	23.5	19.6	21.3
23	---	---	---	---	---	---	28.0	23.1	25.5	21.4	19.6	20.5
24	---	---	---	---	---	---	28.4	23.6	25.6	21.2	18.5	19.8
25	---	---	---	---	---	---	27.3	22.6	24.9	20.2	18.3	19.3
26	---	---	---	---	---	---	24.3	22.0	22.9	20.0	19.0	19.4
27	---	---	---	---	---	---	22.0	21.1	21.5	22.9	19.8	21.1
28	---	---	---	---	---	---	21.2	20.4	20.7	22.7	21.0	21.5
29	---	---	---	---	---	---	20.9	20.0	20.4	21.5	19.1	20.4
30	---	---	---	---	---	---	20.3	19.7	20.1	20.8	17.0	19.1
31	---	---	---	---	---	---	19.9	19.5	19.7	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	25.4	16.3	20.6

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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	21.9	19.1	20.4	---	---	---	7.3	2.9	5.6	12.5	9.7	11.4
2	22.4	19.2	20.8	---	---	---	6.9	1.5	4.4	11.1	9.4	10
3	22.7	20.1	21.6	---	---	---	8.0	3.4	5.4	10.2	8.8	9.9
4	23.5	20.3	22.0	---	---	---	4.1	1.5	3.0	8.8	6.5	7.3
5	24.0	21.6	22.9	---	---	---	4.0	2.7	3.4	6.5	4.6	5.6
6	23.3	20.1	21.5	---	---	---	5.9	4.0	4.8	6.8	5.1	6.0
7	21.9	19.4	20.8	---	---	---	5.2	2.8	4.1	6.0	3.4	4.3
8	21.3	17.6	18.8	11.9	8.8	10.2	5.6	3.0	4.3	6.6	4.0	5.3
9	18.6	16.8	17.7	13.2	9.2	11.1	5.7	4.8	5.3	9.1	5.7	7.3
10	18.9	16.6	17.7	15.5	11.5	13.5	5.6	4.6	5.1	9.4	6.3	8.1
11	20.0	18.6	19.4	16.5	14.8	15.9	6.5	5.2	5.9	6.6	3.6	5.3
12	21.5	19.8	20.5	16.3	14.8	15.8	8.0	6.1	7.0	4.7	2.4	3.5
13	21.0	19.6	20.0	14.8	12.3	13.9	7.8	6.9	7.1	4.7	1.6	3.1
14	19.9	16.7	18.4	12.4	10.5	11.5	8.8	7.0	7.7	5.6	2.4	3.8
15	16.7	15.0	15.4	12.5	9.9	11.2	7.6	5.6	6.7	5.2	1.4	3.6
16	---	---	---	13.5	11.9	12.9	8.2	5.3	6.8	4.1	1.4	2.8
17	---	---	---	13.2	11.7	12.8	7.7	5.6	6.5	4.4	1.6	3.1
18	---	---	---	11.7	9.8	10.6	7.5	5.8	6.7	2.5	0.1	1.1
19	---	---	---	10.3	8.2	9.4	8.8	7.4	7.8	2.4	0.0	0.8
20	---	---	---	10.8	8.3	9.5	12.0	8.8	10.7	6.0	0.6	3.0
21	---	---	---	11.2	9.5	10.3	9.8	7.2	8.2	4.0	2.5	3.5
22	---	---	---	11.0	8.2	9.9	8.3	5.8	7.3	4.6	0.9	2.7
23	---	---	---	9.8	6.9	8.1	8.1	6.1	7.2	2.6	0.0	1.6
24	---	---	---	10.5	6.1	8.0	7.8	7.0	7.4	1.9	0.0	0.7
25	---	---	---	11.0	6.4	8.2	8.1	6.3	7.4	2.2	0.0	1.1
26	---	---	---	10.7	6.3	8.4	6.4	4.8	5.7	3.5	0.0	1.4
27	---	---	---	9.5	5.8	7.9	5.5	3.5	4.7	3.1	0.0	1.8
28	---	---	---	7.3	3.9	5.5	5.3	3.0	4.3	3.6	0.0	1.3
29	---	---	---	6.7	3.0	4.7	6.0	3.5	4.9	5.2	1.9	4.0
30	---	---	---	9.7	5.0	7.2	6.8	4.2	5.7	5.5	4.0	4.8
31	---	---	---	---	---	---	9.7	5.8	7.4	4.7	3.7	4.1
MONTH	---	---	---	---	---	---	12.0	1.5	6.1	12.5	0.0	4.3
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.6	4.6	5.5	8.1	6.1	6.9	14.9	8.1	11.3	22.0	19.2	20.7
2	7.0	4.1	5.4	11.9	7.5	9.2	18.5	11.3	14.8	23.2	18.6	21.0
3	9.0	4.5	6.9	11.4	7.2	9.3	19.9	13.3	16.7	21.5	19.2	20.6
4	11.7	8.8	10.3	11.5	6.6	9.0	19.6	14.7	17.3	19.2	16.7	18.3
5	9.4	6.1	7.6	14.1	10.0	11.7	18.6	15.9	17.3	16.7	15.0	15.7
6	6.7	5.3	5.9	13.1	11.1	12.2	18.0	14.1	16.4	18.5	15.3	16.7
7	7.5	5.1	6.1	12.1	7.5	9.5	17.5	11.1	12.9	20.8	17.6	19.0
8	6.9	4.2	5.6	12.2	5.5	8.6	11.1	10.3	10.7	23.6	19.4	21.4
9	6.7	4.2	5.5	14.6	9.0	11.6	10.4	9.6	10	24.6	20.9	22.6
10	6.6	5.4	5.9	12.6	9.2	11.2	9.9	9.1	9.4	25.5	21.8	23.5
11	7.4	3.6	5.5	10.8	7.8	9.4	10.9	9.2	9.8	24.0	21.5	22.9
12	7.9	4.5	6.3	13.6	7.2	10.4	16.8	9.0	12.3	23.0	18.6	20.9
13	7.6	3.4	5.6	15.0	10.0	12.5	18.1	11.5	14.6	22.0	16.7	19.1
14	6.5	4.4	5.5	14.7	12.2	13.5	19.3	12.4	15.7	21.7	15.0	18.2
15	7.6	6.4	7.0	12.7	10.0	10.6	20.5	14.3	17.4	19.5	17.1	18.2
16	6.8	1.2	4.3	11.7	9.6	10.7	21.2	15.6	18.4	20.0	17.4	18.6
17	2.5	0.5	1.4	14.5	11.5	12.7	20.6	16.1	18.6	19.5	17.1	18.6
18	6.1	2.5	4.2	15.1	12.9	13.9	19.3	13.8	15.3	17.1	15.5	16.3
19	7.4	3.8	5.4	14.3	11.7	12.8	14.1	12.8	13.4	15.9	15.0	15.4
20	8.9	6.1	7.3	11.7	9.6	10.3	16.6	12.9	14.6	18.9	14.5	16.7
21	8.2	6.3	7.2	14.1	10.0	11.5	17.0	14.4	15.8	18.3	17.1	17.9
22	9.5	7.6	8.4	15.8	10.6	13.1	18.8	15.9	17.4	17.9	16.8	17.1
23	11.4	8.7	10	16.0	10.6	13.3	17.6	13.4	16.0	17.4	16.6	16.9
24	11.5	6.2	8.7	17.4	11.8	14.5	16.6	12.6	15.3	19.2	16.8	17.8
25	11.1	8.0	9.5	17.8	11.4	14.7	16.6	15.1	15.7	19.6	17.6	18.5
26	9.8	6.3	7.6	18.8	13.2	16.1	17.8	15.4	16.3	20.8	18.6	19.5
27	6.3	5.1	5.4	17.8	14.4	16.3	19.3	14.7	17.0	20.3	18.7	19.1
28	---	---	---	18.9	13.7	16.3	19.6	15.2	17.9	19.9	16.6	18.4
29	---	---	---	20.6	16.8	18.5	21.2	16.8	19.3	19.5	17.5	18.5
30	---	---	---	19.8	10.5	14.1	22.1	18.4	20.4	19.9	16.5	18.4
31	---	---	---	13.4	8.4	10.6	---	---	---	19.6	17.6	18.6
MONTH	---	---	---	20.6	5.5	12.1	22.1	8.1	15.3	25.5	14.5	18.9

