

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1950, 1969-72, 1979 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1979 to September 1984, April 2002 to current year.

WATER TEMPERATURE: October 1949 to September 1950, March 1979 to September 1984, April 2002 to current year.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry from April 2002 to current year. Water-quality monitor from October 1981 to September 1984.

REMARKS.--Station operated as part of NAWQA Program from March 1993 to present. Station also operated as part of NASQAN network from March 1979 to September 1993. Miscellaneous chemical data published for water years 1945, 1947-49, 1955-67.

EXTREMES FOR PERIOD OF DAILY RECORD.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	307, August 29, 2002	41, June 11, 1979 (daily)
WATER TEMPERATURE, °C	31.8, August 25, 2002	1.0, January 13, 14, 1981 (daily), January 18, 1982

EXTREMES FOR CURRENT YEAR.--

CONSTITUENT	MAXIMUM RECORDED	MINIMUM RECORDED
SPECIFIC CONDUCTANCE, microsiemens	188, January 30	48, August 14, 15
WATER TEMPERATURE, °C	28.4, August 30, 31	1.3, January 25, 28

02091500 CONTENTNEA CREEK AT HOOKERTON, NC—Continued

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 unfiltered, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Alkalinity, wat fltr inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltr incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)
OCT													
22...	1430	9	408	766	5.5	57	6.5	100	16.7	14	17	11.2	8.6
NOV													
07...	1600	9	609	765	10.7	100	6.6	90	12.6	10	12	10.2	7.4
DEC													
10...	1500	9	1,270	763	10.9	84	6.2	92	4.6	8	10	11.8	7.7
JAN													
22...	1400	9	561	761	12.3	93	6.8	109	3.4	15	18	13.9	9.2
FEB													
12...	1330	9	1,380	760	10.8	87	6.4	86	5.8	5	7	11.2	7.5
MAR													
07...	1315	9	3,030	765	8.3	75	6.3	72	10.9	--	--	--	--
18...	1330	9	1,560	752	7.2	72	6.2	86	14.7	9	11	9.74	7.6
APR													
03...	1330	9	1,420	760	6.8	70	6.4	79	16.7	10	12	9.16	5.6
04...	1200	9	1,530	758	6.7	72	7.0	77	18.6	--	--	--	--
21...	1415	9	1,530	759	6.8	69	6.3	80	16.0	--	--	--	--
MAY													
05...	1445	9	746	762	5.8	62	6.4	89	18.8	13	16	9.86	6.3
28...	1100	9	4,220	758	5.0	55	5.8	62	19.6	--	--	--	--
JUN													
05...	1400	9	1,270	757	5.9	68	6.2	84	21.8	10	13	8.35	6.2
27...	1120	9	524	759	5.7	72	6.4	80	26.7	--	--	--	--
JUL													
16...	1430	9	1,880	762	5.4	66	6.2	73	25.6	8	10	8.17	5.4
29...	1045	9	554	757	5.3	67	6.2	97	26.9	--	--	--	--
AUG													
05...	1000	9	738	759	5.8	72	6.0	95	26.1	--	--	--	--
05...	1300	D	761	759	5.8	72	6.0	95	26.1	--	--	--	--
19...	1400	9	4,100	762	3.9	48	6.2	63	25.9	9	11	6.30	3.4
SEP													
02...	1415	9	321	762	4.2	54	6.4	104	27.8	14	17	11.1	7.7

02091500 CONTENTNEA CREEK AT HOOKERTON, NC—Continued

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

Date	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	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)	Organic nitrogen, water, unfltrd mg/L (00605)	Ortho-phosphate, water, fltrd, mg/L (00660)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Particulate nitrogen, susp, water, mg/L (49570)	Phosphorus, water, unfltrd mg/L (00665)
OCT 22...	0.60	--	<0.04	1.40	0.32	0.34	0.066	0.020	--	0.117	0.04	<0.02	0.122
NOV 07...	0.56	--	<0.04	1.33	0.30	0.31	0.033	0.010	--	--	E.02	0.03	0.079
DEC 10...	0.53	--	<0.04	--	--	0.50	--	<0.008	--	0.071	0.02	0.09	0.084
JAN 22...	0.47	--	E.03	--	--	0.68	--	<0.008	--	--	E.01	0.07	0.052
FEB 12...	0.52	--	<0.21	--	--	0.49	--	<0.040	--	--	<0.09	0.09	0.069
MAR 07...	0.53	--	E.03	--	--	0.45	--	<0.008	--	0.055	0.02	--	0.074
MAR 18...	0.65	0.11	0.08	2.92	0.66	0.67	0.033	0.010	0.56	0.104	0.03	0.08	0.103
APR 03...	0.60	0.07	0.06	1.95	0.44	0.45	0.046	0.014	0.54	0.113	0.04	0.09	0.116
APR 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 21...	0.73	0.11	0.08	--	--	0.55	--	E.007	0.65	0.120	0.04	--	0.110
MAY 05...	0.77	0.10	0.08	2.26	0.51	0.52	0.033	0.010	0.70	0.190	0.06	0.09	0.137
MAY 28...	0.89	0.07	0.05	--	--	0.46	--	E.006	0.83	0.141	0.05	--	0.160
JUN 05...	0.68	0.11	0.09	--	--	0.51	--	E.006	0.59	0.138	0.04	0.09	0.117
JUN 27...	0.63	--	<0.04	1.74	0.39	0.41	0.036	0.011	--	0.113	0.04	--	0.112
JUL 16...	0.76	--	E.03	--	--	0.50	--	<0.008	--	0.138	0.04	0.08	0.142
JUL 29...	0.58	--	<0.04	2.87	0.65	0.67	0.056	0.017	--	0.129	0.04	--	0.145
AUG 05...	0.74	--	<0.04	1.18	0.27	0.30	0.105	0.032	--	0.113	0.04	--	0.191
AUG 05...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 19...	0.71	0.05	0.04	--	--	0.18	--	E.004	0.67	0.166	0.05	0.12	0.134
SEP 02...	0.72	--	<0.04	3.03	0.68	0.69	0.036	0.011	--	0.169	0.06	0.06	0.154

02091500 CONTENTNEA CREEK AT HOOKERTON, NC—Continued

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

Date	Total nitrogen, water, unfltrd mg/L (00600)	Total carbon, suspd total, mg/L (00694)	Inorganic carbon, suspd total, mg/L (00688)	Organic carbon, suspd 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)	Biomass chlorophyll ratio, periphyton, number (70950)	Pheophytin a, periphyton, mg/m2 (62359)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)	2,6-Diethyl-aniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)
OCT 22...	0.94	0.2	<0.1	0.2	12.4	--	--	--	--	--	--	<0.006	<0.006
NOV 07...	0.86	0.4	<0.1	0.4	10.8	--	--	--	--	--	--	<0.006	<0.006
DEC 10...	1.0	0.6	<0.1	0.6	10.5	--	--	--	--	--	--	<0.006	<0.006
JAN 22...	1.2	0.4	<0.1	0.4	6.7	--	--	--	--	--	--	<0.006	<0.006
FEB 12...	1.0	0.8	<0.1	0.8	8.3	--	--	--	--	--	--	<0.006	<0.006
MAR 07...	0.98	--	--	--	--	--	--	--	--	--	--	<0.006	E.002
MAR 18...	1.3	0.6	<0.1	E.6	9.8	--	--	--	--	--	--	<0.006	<0.006
APR 03...	1.1	0.8	<0.1	0.8	12.1	--	--	--	--	--	--	<0.006	E.007
APR 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 21...	1.3	--	--	--	--	--	--	--	--	--	--	<0.006	E.003
MAY 05...	1.3	0.7	<0.1	0.7	11.1	--	--	--	--	--	--	<0.006	E.010
MAY 28...	1.3	--	--	--	--	--	--	--	--	--	--	<0.006	E.058
JUN 05...	1.2	0.9	<0.1	0.9	10.8	--	--	--	--	--	--	<0.006	E.018
JUN 27...	1.0	--	--	--	--	--	--	--	--	--	--	<0.006	E.003
JUL 16...	1.3	0.8	<0.1	0.8	12.0	--	--	--	--	--	--	<0.006	E.008
JUL 29...	1.2	--	--	--	--	--	--	--	--	--	--	<0.006	E.004
AUG 05...	1.0	--	--	--	--	--	--	--	--	--	--	<0.006	<0.006
AUG 05...	--	--	--	--	--	5.2	33	38.30	434	5.4	12.0	--	--
AUG 19...	0.89	1.1	<0.1	1.1	16.7	--	--	--	--	--	--	<0.006	E.003
SEP 02...	1.4	0.5	<0.1	0.5	11.3	--	--	--	--	--	--	<0.006	<0.006

02091500 CONTENTNEA CREEK AT HOOKERTON, NC—Continued

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

Date	Aceto- chlor, water, fltrd, ug/L (49260)	Ala- chlor, water, fltrd, ug/L (46342)	alpha- HCH, water, fltrd, ug/L (34253)	Amino- methyl- phos- phonic acid, wat flt ug/L (62649)	Atra- zine, water, fltrd, ug/L (39632)	Azin- phos- methyl, water, fltrd 0.7u GF ug/L (82686)	Ben- flur- alin, water, fltrd 0.7u GF ug/L (82673)	Butyl- ate, water, fltrd, ug/L (04028)	Car- baryl, water, fltrd 0.7u GF ug/L (82680)	Carbo- furan, water, fltrd 0.7u GF ug/L (82674)	Chlor- pyrifos water, fltrd, ug/L (38933)	cis- Per- methrin water fltrd 0.7u GF ug/L (82687)	Cyana- zine, water, fltrd, ug/L (04041)
OCT 22...	<0.006	<0.004	<0.005	<0.1	0.009	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018
NOV 07...	<0.006	<0.004	<0.005	<0.1	E.006	E.024	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018
DEC 10...	<0.006	<0.004	<0.005	<0.1	E.006	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018
JAN 22...	<0.006	<0.004	<0.005	<0.1	0.012	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018
FEB 12...	<0.006	<0.004	<0.005	<0.1	0.029	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018
MAR 07...	<0.006	<0.004	<0.005	<0.1	0.020	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018
MAR 18...	<0.006	<0.004	<0.005	<0.1	0.011	<0.050	<0.010	<0.002	<0.041	<0.020	0.021	<0.006	<0.018
APR 03...	<0.006	E.004	<0.005	--	0.187	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018
APR 04...	--	--	--	<0.1	--	--	--	--	--	--	--	--	--
APR 21...	<0.006	0.008	<0.005	<0.1	0.054	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018
MAY 05...	<0.006	0.027	<0.005	<0.1	0.154	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006	<0.018
MAY 28...	<0.006	0.086	<0.005	<0.1	0.460	<0.050	<0.010	<0.002	E.013	<0.020	0.007	<0.006	<0.018
JUN 05...	<0.006	0.008	<0.005	<0.1	0.162	<0.050	<0.010	<0.002	E.004	E.008	<0.005	<0.006	<0.018
JUN 27...	<0.006	<0.004	<0.005	<0.1	0.020	<0.050	<0.010	<0.002	E.002	<0.020	<0.005	<0.006	<0.018
JUL 16...	<0.006	<0.004	<0.005	<0.1	0.033	<0.050	<0.010	<0.002	E.006	<0.020	0.006	<0.006	<0.018
JUL 29...	<0.006	<0.004	<0.005	<0.1	0.017	<0.050	<0.010	<0.002	E.008	<0.020	<0.005	<0.006	<0.018
AUG 05...	<0.006	<0.004	<0.005	0.1	0.023	<0.050	<0.010	<0.002	E.010	<0.020	<0.005	<0.006	<0.018
AUG 05...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 19...	<0.006	<0.004	<0.005	<0.1	0.013	<0.050	<0.010	<0.002	E.263	<0.020	<0.005	<0.006	<0.018
SEP 02...	<0.006	<0.004	<0.005	<0.1	E.005	<0.050	<0.010	<0.002	E.009	<0.020	<0.005	<0.006	<0.018

02091500 CONTENTNEA CREEK AT HOOKERTON, NC—Continued

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

Date	DCPA, water fltrd 0.7u GF (82682)	Desulf- inyl fipro- nil, water, fltrd, ug/L (62170)	Diazi- non, water, fltrd, ug/L (39572)	Diel- drin, water, fltrd, ug/L (39381)	Disul- foton, water, fltrd 0.7u GF (82677)	EPTC, water, fltrd 0.7u GF (82668)	Ethal- flur- alin, water, fltrd 0.7u GF (82663)	Etho- prop, water, fltrd 0.7u GF (82672)	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)	Fipro- nil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)
OCT 22...	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003
NOV 07...	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003
DEC 10...	<0.003	<0.004	<0.008	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003
JAN 22...	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003
FEB 12...	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003
MAR 07...	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003
MAR 18...	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003
APR 03...	<0.003	<0.004	0.008	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003
APR 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 21...	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003
MAY 05...	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003
MAY 28...	<0.003	<0.004	<0.005	<0.005	<0.02	0.005	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003
JUN 05...	<0.003	<0.004	E.003	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003
JUN 27...	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003
JUL 16...	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003
JUL 29...	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003
AUG 05...	<0.003	<0.004	E.004	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003
AUG 05...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 19...	<0.003	<0.004	E.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003
SEP 02...	<0.003	<0.004	<0.005	<0.005	<0.02	<0.020	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007	<0.003

02091500 CONTENTNEA CREEK AT HOOKERTON, NC—Continued

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

Date	Glufosinate, water, fltrd 0.7u GF (62721)	Glyphosate, water, fltrd 0.7u GF (62722)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF (82671)	Napropamide, water, fltrd 0.7u GF (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF (82669)
OCT 22...	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	E.012	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004
NOV 07...	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	E.010	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004
DEC 10...	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	0.019	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004
JAN 22...	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	E.010	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004
FEB 12...	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	0.014	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004
MAR 07...	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	0.014	<0.006	<0.002	0.024	<0.003	<0.010	<0.004
MAR 18...	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	0.013	<0.006	<0.004	0.013	<0.003	<0.010	<0.004
APR 03...	--	--	<0.004	<0.035	<0.027	<0.006	0.077	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004
APR 04...	<0.1	<0.1	--	--	--	--	--	--	--	--	--	--	--
APR 21...	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	0.031	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004
MAY 05...	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	0.043	<0.006	<0.002	<0.007	<0.003	<0.010	0.020
MAY 28...	<0.1	0.2	<0.004	<0.035	<0.027	<0.006	0.203	0.007	<0.002	0.008	<0.003	<0.010	<0.004
JUN 05...	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	0.076	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004
JUN 27...	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	0.051	0.008	<0.002	<0.007	<0.003	<0.010	<0.004
JUL 16...	<0.1	0.2	<0.004	<0.035	<0.027	<0.006	0.074	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004
JUL 29...	<0.1	0.1	<0.004	<0.035	<0.027	<0.006	0.038	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004
AUG 05...	<0.1	0.1	<0.004	<0.035	<0.027	<0.006	0.022	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004
AUG 05...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 19...	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	0.030	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004
SEP 02...	<0.1	<0.1	<0.004	<0.035	<0.027	<0.006	0.015	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004

02091500 CONTENTNEA CREEK AT HOOKERTON, NC—Continued

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

Date	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome- ton, water, fltrd, ug/L (04037)	Pron- amide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Thio- bencarb water fltrd 0.7u GF ug/L (82681)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)
OCT 22...	<0.022	<0.011	0.02	<0.004	<0.010	<0.011	<0.02	<0.010	0.02	E.027	<0.02	<0.005	<0.002
NOV 07...	<0.022	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	0.007	<0.02	<0.034	<0.02	<0.005	<0.002
DEC 10...	<0.022	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	0.038	<0.02	<0.034	<0.02	<0.005	<0.002
JAN 22...	<0.022	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	0.018	<0.02	<0.034	<0.02	<0.005	<0.002
FEB 12...	<0.022	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	0.073	<0.02	<0.034	<0.02	<0.005	<0.002
MAR 07...	<0.022	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	0.132	<0.02	<0.034	<0.02	<0.005	<0.002
MAR 18...	<0.022	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	0.056	<0.02	<0.034	<0.02	<0.005	<0.002
APR 03...	<0.022	<0.011	0.04	<0.004	<0.010	<0.011	<0.02	0.109	<0.02	<0.034	<0.02	<0.005	<0.002
APR 04...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 21...	<0.022	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	0.037	<0.02	<0.034	<0.02	<0.005	<0.002
MAY 05...	<0.022	<0.011	0.03	<0.004	<0.010	<0.011	<0.02	0.039	<0.02	<0.034	<0.02	<0.005	<0.002
MAY 28...	<0.022	<0.011	0.03	<0.004	<0.010	<0.011	<0.02	0.025	E.02	<0.034	<0.02	<0.005	<0.002
JUN 05...	<0.022	<0.011	0.02	<0.004	<0.010	<0.011	<0.02	0.011	<0.02	<0.034	<0.02	<0.005	<0.002
JUN 27...	<0.022	<0.011	0.02	<0.004	<0.010	<0.011	<0.02	0.038	<0.02	<0.034	<0.02	<0.005	<0.002
JUL 16...	<0.022	<0.011	0.03	<0.004	<0.010	<0.011	<0.02	0.019	E.01	E.036	<0.02	<0.005	<0.002
JUL 29...	<0.022	<0.011	0.03	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002
AUG 05...	<0.022	<0.011	0.03	<0.004	<0.010	<0.011	<0.02	0.013	E.03	<0.034	<0.02	<0.005	<0.002
AUG 05...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 19...	<0.022	<0.011	0.03	<0.004	<0.010	<0.011	<0.02	0.006	<0.02	<0.034	<0.02	<0.005	<0.002
SEP 02...	<0.022	<0.011	0.02	<0.004	<0.010	<0.011	<0.02	<0.005	E.01	<0.034	<0.02	<0.005	<0.002

02091500 CONTENTNEA CREEK AT HOOKERTON, NC—Continued

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

Date	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	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)
OCT				
22...	<0.009	92	20	22
NOV				
07...	<0.009	85	14	23
DEC				
10...	<0.009	92	13	45
JAN				
22...	<0.009	83	4	6.1
FEB				
12...	<0.009	86	9	34
MAR				
07...	<0.009	74	14	115
18...	<0.009	94	10	42
APR				
03...	<0.009	97	10	38
04...	--	--	--	--
21...	<0.009	94	5	21
MAY				
05...	<0.009	97	10	20
28...	E.001	74	22	251
JUN				
05...	<0.009	93	8	27
27...	<0.009	93	9	13
JUL				
16...	<0.009	70	10	51
29...	<0.009	56	8	12
AUG				
05...	<0.009	94	23	46
05...	--	--	--	--
19...	<0.009	--	--	--
SEP				
02...	<0.009	96	9	7.8

Remark codes used in this table:

< -- Less than
E -- Estimated value

Medium codes used in this table:

9 - Surface water
D - Plant tissue

02091500 CONTENTNEA CREEK AT HOOKERTON, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 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	124	120	121	106	98	102	107	106	106	100	93	97
2	128	120	124	103	99	101	107	106	107	99	99	99
3	134	127	130	99	94	97	107	106	106	99	99	99
4	135	132	133	94	89	91	135	105	108	101	99	100
5	137	135	136	90	86	87	134	112	117	101	97	98
6	139	136	137	91	87	89	112	104	108	97	96	97
7	142	138	140	96	91	93	112	110	111	97	95	96
8	143	141	142	101	94	98	112	107	109	95	93	94
9	142	139	141	103	98	101	107	98	103	95	94	94
10	150	138	141	103	94	98	98	91	94	97	95	96
11	145	51	118	96	91	95	91	88	89	97	96	96
12	126	114	121	98	78	95	88	84	86	99	97	98
13	131	119	123	105	96	101	90	84	87	101	98	100
14	160	115	135	104	102	103	95	89	93	103	101	102
15	115	87	97	105	102	104	96	95	95	108	103	105
16	88	85	86	103	97	100	96	94	95	107	106	107
17	85	83	84	97	90	94	94	90	93	110	106	108
18	85	83	83	90	87	88	90	86	88	110	109	109
19	91	85	88	88	87	88	87	85	86	109	108	109
20	96	91	93	89	88	88	88	85	86	109	107	108
21	98	96	97	89	87	89	96	88	92	134	109	114
22	100	98	99	88	87	88	98	95	97	134	111	119
23	102	100	101	90	88	89	99	98	99	116	108	110
24	104	101	104	99	90	94	99	95	97	125	114	120
25	103	99	101	102	98	100	95	94	95	117	112	114
26	99	94	96	103	100	101	97	95	96	112	111	111
27	94	91	93	103	101	102	98	96	97	112	110	111
28	92	91	92	101	98	99	98	94	97	113	111	112
29	92	89	91	104	97	100	95	92	94	127	110	113
30	95	91	93	107	103	105	93	91	92	188	114	145
31	98	95	96	---	---	---	96	92	92	129	119	122
MONTH	160	51	111	107	78	96	135	84	97	188	93	107
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	119	115	116	78	76	77	87	86	87	84	83	83
2	124	113	115	81	78	79	86	81	84	84	83	83
3	128	103	117	81	78	80	82	78	80	86	84	86
4	103	98	99	80	78	78	79	76	77	88	86	87
5	98	94	96	78	76	77	77	76	76	91	88	89
6	95	94	94	76	74	75	79	77	78	94	90	91
7	99	94	96	74	72	73	83	79	80	92	90	91
8	99	96	98	73	71	72	85	81	83	90	82	85
9	98	97	97	71	68	70	87	84	85	83	81	82
10	99	97	99	68	64	66	85	78	82	81	81	81
11	97	91	94	64	61	62	78	64	72	85	81	83
12	92	86	89	62	61	62	66	57	61	89	85	87
13	86	84	85	65	62	63	57	55	56	96	89	93
14	84	83	83	70	65	67	55	55	55	97	96	97
15	85	83	84	77	70	73	55	54	55	100	97	98
16	88	85	87	85	77	82	60	55	57	102	99	100
17	94	88	91	90	84	87	61	59	60	103	101	102
18	94	91	93	93	86	89	65	60	62	106	87	103
19	91	89	90	89	84	86	69	64	67	100	80	93
20	90	86	88	86	81	84	76	69	72	95	87	93
21	87	83	85	91	84	87	79	75	77	100	86	92
22	84	83	83	87	78	81	82	79	80	100	86	91
23	86	83	84	79	73	76	84	81	82	86	81	83
24	89	86	87	73	68	70	85	81	83	83	82	82
25	89	87	88	68	65	66	87	85	86	82	78	80
26	87	81	84	65	63	64	87	86	87	78	73	77
27	81	78	79	63	62	62	87	87	87	73	64	67
28	78	76	76	67	63	64	87	86	87	68	64	65
29	---	---	---	75	67	70	88	87	87	71	68	69
30	---	---	---	85	73	79	87	84	86	73	71	72
31	---	---	---	88	82	85	---	---	---	76	73	74
MONTH	128	76	92	93	61	74	88	54	76	106	64	86

02091500 CONTENTNEA CREEK AT HOOKERTON, NC—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	79	76	77	96	92	94	73	67	71	98	95	97
2	83	79	81	95	71	90	89	73	80	102	98	100
3	86	83	85	82	69	75	94	89	92	103	102	102
4	87	86	87	80	76	79	96	90	94	114	103	105
5	87	85	86	78	74	76	98	83	92	105	102	103
6	88	85	86	74	65	70	85	81	82	104	98	101
7	94	88	91	65	61	63	91	85	88	99	96	97
8	96	94	95	62	60	61	90	87	89	102	98	100
9	99	96	97	63	61	62	87	82	85	107	102	104
10	100	98	99	67	63	65	82	77	80	117	106	111
11	101	98	100	77	67	70	77	69	74	117	106	112
12	100	88	94	76	72	74	69	60	65	117	112	115
13	89	77	82	78	76	77	62	53	57	115	113	113
14	77	71	73	78	77	77	54	48	51	113	110	111
15	75	71	72	79	73	76	49	48	49	111	109	110
16	80	75	77	74	72	72	52	49	51	113	109	111
17	86	80	84	80	73	77	56	51	53	114	111	113
18	90	86	88	82	73	79	60	56	58	115	104	110
19	94	90	92	76	70	74	64	60	62	107	104	106
20	98	94	95	79	75	77	70	64	67	107	104	106
21	103	97	99	83	79	81	74	69	72	104	99	101
22	103	99	101	91	83	88	77	74	75	100	95	98
23	105	102	103	94	91	92	81	76	79	95	86	90
24	105	91	99	94	89	93	87	80	83	88	86	87
25	91	78	83	89	75	83	88	82	85	92	88	90
26	79	78	79	79	75	76	90	84	87	95	92	93
27	83	79	80	88	79	83	91	86	88	98	95	96
28	86	83	84	93	88	91	89	87	88	99	98	99
29	90	86	87	94	90	91	92	89	90	100	99	100
30	92	89	91	97	93	95	94	92	93	102	99	100
31	---	---	---	97	66	83	95	93	94	---	---	---
MONTH	105	71	88	97	60	79	98	48	77	117	86	103

02091500 CONTENTNEA CREEK AT HOOKERTON, 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
1	24.7	23.4	24.0	14.8	13.6	14.1	8.4	7.4	7.9	8.2	6.6	7.5
2	24.8	23.5	24.1	13.6	12.6	13.0	7.4	6.9	7.1	9.0	8.2	8.6
3	25.3	23.9	24.5	12.6	12.1	12.3	7.6	7.0	7.3	9.9	9.0	9.5
4	25.4	24.3	24.8	12.3	12.0	12.2	7.0	6.0	6.5	9.9	9.2	9.6
5	26.1	24.6	25.2	12.2	12.0	12.1	6.0	5.5	5.7	9.2	8.3	8.7
6	25.8	24.7	25.2	13.1	12.2	12.8	5.5	5.0	5.3	8.3	7.7	8.0
7	25.3	24.0	24.6	12.9	12.3	12.5	5.0	4.4	4.6	7.7	6.3	6.9
8	24.4	22.6	23.5	12.3	11.8	12.1	4.5	4.1	4.3	6.3	6.1	6.2
9	22.6	21.6	22.0	12.4	11.8	12.2	4.6	4.4	4.5	6.7	6.2	6.4
10	21.6	21.0	21.3	13.3	12.3	12.7	4.8	4.5	4.6	7.4	6.7	7.1
11	22.1	21.0	21.4	14.5	13.3	13.9	5.2	4.8	5.0	7.2	6.8	7.0
12	22.2	21.5	21.8	15.5	14.5	15.0	6.1	5.2	5.6	6.9	6.2	6.5
13	21.9	21.4	21.6	15.5	14.9	15.2	6.5	6.1	6.2	6.2	5.7	6.0
14	21.7	20.8	21.3	14.9	14.0	14.4	7.2	6.5	6.9	5.9	5.3	5.6
15	20.8	19.8	20.2	14.0	13.2	13.4	7.2	6.9	7.1	5.6	4.9	5.3
16	19.8	19.1	19.5	13.3	13.1	13.2	7.2	6.9	7.1	4.9	4.4	4.5
17	19.1	18.4	18.6	13.4	13.0	13.3	7.3	6.7	6.9	4.7	4.3	4.5
18	18.4	17.4	17.9	13.0	12.1	12.5	6.7	6.4	6.5	4.3	3.5	3.9
19	17.4	16.7	17.0	12.1	11.6	11.7	7.2	6.5	6.7	3.5	3.0	3.2
20	17.2	16.6	16.9	11.6	11.3	11.4	8.8	7.2	8.1	3.6	2.8	3.2
21	17.4	16.9	17.2	11.4	11.2	11.3	8.8	8.4	8.6	3.6	3.3	3.5
22	16.9	16.6	16.7	11.5	11.2	11.3	8.7	8.4	8.6	3.6	3.1	3.3
23	17.0	16.2	16.6	11.2	10.2	10.6	8.8	8.6	8.7	3.3	2.3	3.0
24	16.7	16.3	16.5	10.2	9.9	10.1	8.6	8.0	8.3	2.3	1.7	2.0
25	16.4	16.1	16.3	10.1	9.8	10	8.2	7.7	8.0	2.0	1.3	1.6
26	16.9	16.2	16.6	10.1	9.8	10	7.7	7.0	7.2	1.9	1.5	1.7
27	17.0	16.6	16.8	10.1	9.9	10	7.0	6.2	6.5	2.1	1.6	1.8
28	17.3	16.9	17.1	9.9	8.9	9.3	6.2	5.4	5.7	2.0	1.3	1.7
29	17.2	16.6	16.9	8.9	8.2	8.4	5.4	5.2	5.4	3.4	1.9	2.6
30	16.6	15.6	16.1	8.5	8.1	8.3	5.8	5.3	5.5	3.9	3.4	3.8
31	15.6	14.8	15.2	---	---	---	6.6	5.8	6.2	4.3	3.9	4.1
MONTH	26.1	14.8	19.9	15.5	8.1	12.0	8.8	4.1	6.5	9.9	1.3	5.1
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	5.1	4.3	4.7	8.1	7.7	7.9	14.8	13.9	14.2	21.2	20.4	20.8
2	5.5	4.9	5.2	8.8	8.1	8.4	14.8	13.9	14.3	21.7	20.8	21.2
3	5.9	5.0	5.4	9.1	8.6	8.9	15.9	14.8	15.2	21.6	21.0	21.4
4	6.9	5.9	6.5	9.6	8.8	9.1	17.0	15.9	16.4	21.0	19.7	20.2
5	7.1	6.7	6.9	10.8	9.6	10.2	18.0	17.0	17.5	19.7	18.6	19.0
6	7.2	7.0	7.1	11.6	10.8	11.2	18.2	17.9	18.1	19.6	18.6	19.1
7	7.0	6.6	6.9	11.6	10.4	11.1	17.9	16.0	17.0	20.4	19.6	19.9
8	6.6	6.2	6.4	10.5	9.9	10.3	16.0	14.4	15.2	21.9	20.4	21.1
9	6.2	5.8	6.0	11.3	10.5	10.9	14.4	12.2	13.2	23.0	21.9	22.3
10	5.9	5.5	5.6	11.9	11.2	11.5	12.2	11.0	11.4	24.1	23.0	23.5
11	5.8	5.2	5.5	11.6	10.8	11.1	11.0	10.4	10.7	25.0	24.1	24.5
12	6.2	5.6	5.9	11.3	10.3	10.8	11.2	10.2	10.7	24.9	24.2	24.5
13	6.2	5.8	6.0	12.3	11.3	11.8	12.3	11.2	11.7	24.2	22.8	23.6
14	6.2	5.9	6.0	12.7	12.3	12.5	13.5	12.2	12.8	23.2	22.4	22.8
15	6.7	6.1	6.4	12.4	11.8	12.0	14.6	13.2	13.8	22.6	21.5	22.1
16	6.7	6.2	6.5	13.6	11.9	12.6	16.1	14.6	15.2	22.0	21.0	21.5
17	6.2	5.3	5.7	14.4	13.6	14.0	17.2	16.1	16.6	21.9	20.9	21.4
18	5.3	4.8	5.0	15.0	14.4	14.7	17.1	16.7	16.9	20.9	19.5	20.2
19	5.5	4.8	5.1	15.1	14.5	14.8	16.7	16.3	16.5	19.5	17.6	18.2
20	6.3	5.5	5.8	15.0	14.5	14.6	16.3	15.8	16.0	18.2	17.2	17.7
21	7.1	6.3	6.5	15.5	15.0	15.3	16.3	15.8	16.0	18.8	18.1	18.4
22	9.3	7.1	8.0	16.4	15.4	15.8	17.3	16.3	16.7	18.9	18.6	18.7
23	10.5	9.3	10.1	16.4	16.1	16.2	17.5	16.8	17.2	19.0	18.9	18.9
24	10.7	9.8	10.2	16.4	15.8	16.1	17.5	16.9	17.2	18.9	18.6	18.8
25	11.0	10.7	10.9	16.6	15.9	16.3	17.4	17.1	17.2	19.5	18.7	19.1
26	11.0	9.5	10.2	17.1	16.2	16.6	17.7	16.9	17.3	20.1	19.5	19.9
27	9.5	8.5	8.9	17.2	16.8	17.0	18.1	17.1	17.6	20.1	19.8	20.0
28	8.5	8.0	8.1	17.2	16.5	16.9	18.7	17.6	18.1	20.1	19.5	19.8
29	---	---	---	17.9	17.2	17.5	19.5	18.4	18.9	20.2	19.7	20.0
30	---	---	---	18.1	16.2	17.5	20.6	19.5	20.0	20.4	19.9	20.1
31	---	---	---	16.2	14.8	15.2	---	---	---	20.3	20.1	20.2
MONTH	11.0	4.3	6.8	18.1	7.7	13.2	20.6	10.2	15.7	25.0	17.2	20.6

NEUSE RIVER BASIN

02091500 CONTENTNEA CREEK AT HOOKERTON, 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
1	20.2	19.7	20.0	27.5	26.2	26.7	26.4	25.9	26.2	28.0	27.1	27.6
2	20.2	19.8	20.0	26.2	23.6	25.1	27.3	26.2	26.7	28.0	26.9	27.5
3	20.7	20.0	20.3	24.2	23.3	23.6	27.3	26.8	27.0	28.0	26.8	27.4
4	21.4	20.7	21.0	25.0	23.7	24.3	27.4	26.7	26.9	27.8	26.9	27.4
5	22.4	21.3	21.7	25.5	24.8	25.1	26.7	26.1	26.4	26.9	25.8	26.3
6	22.6	21.9	22.2	26.0	25.4	25.6	26.8	26.1	26.4	25.8	24.0	24.8
7	22.8	22.5	22.6	26.3	25.8	26.0	26.8	26.3	26.5	24.0	23.3	23.6
8	23.3	22.7	22.9	27.0	26.1	26.5	26.7	26.2	26.5	23.8	23.2	23.5
9	24.6	23.1	23.8	27.7	27.0	27.3	26.4	26.0	26.2	23.9	22.9	23.4
10	25.2	24.1	24.6	27.9	27.4	27.6	26.0	25.3	25.6	23.6	22.8	23.3
11	25.8	25.0	25.4	27.7	27.2	27.5	25.3	25.0	25.2	22.9	22.1	22.4
12	26.5	25.6	26.0	27.4	26.6	26.9	25.2	24.8	25.0	22.1	21.7	21.9
13	26.7	26.2	26.4	26.7	25.5	26.2	25.2	24.8	25.0	21.7	21.4	21.5
14	26.8	26.5	26.7	25.5	25.0	25.2	25.5	25.0	25.2	22.7	21.2	21.9
15	27.0	26.6	26.8	25.1	24.5	24.8	26.0	25.3	25.6	23.7	22.3	22.9
16	27.0	26.3	26.6	25.8	24.9	25.2	26.1	25.9	26.0	24.0	22.9	23.4
17	26.3	25.3	25.7	26.1	25.6	25.9	26.1	25.8	25.9	23.5	22.6	23.0
18	25.7	25.0	25.3	26.2	25.8	26.0	26.0	25.6	25.8	22.7	20.9	21.8
19	26.1	25.1	25.5	25.8	25.4	25.5	26.0	25.6	25.8	21.8	20.4	21.1
20	25.8	25.3	25.5	26.0	25.0	25.5	26.1	25.7	25.9	22.1	21.3	21.7
21	25.3	24.6	25.0	26.6	25.7	26.1	26.4	25.9	26.1	22.5	21.7	22.1
22	24.7	23.9	24.3	27.2	26.3	26.7	26.7	26.3	26.5	22.8	22.3	22.5
23	25.0	23.8	24.4	26.9	26.1	26.6	26.9	26.3	26.6	23.4	22.8	23.0
24	25.1	24.2	24.6	26.1	25.6	25.8	26.8	26.4	26.7	23.2	22.7	23.0
25	25.9	24.8	25.3	25.7	24.9	25.2	26.6	25.9	26.2	23.1	22.5	22.8
26	26.6	25.6	26.1	25.6	25.0	25.3	26.8	26.0	26.4	22.9	22.4	22.6
27	27.4	26.2	26.8	26.5	25.2	25.8	27.3	26.4	26.8	23.0	22.4	22.6
28	27.5	26.6	27.0	27.1	26.2	26.6	27.8	26.9	27.3	23.2	22.4	22.7
29	27.1	26.1	26.7	27.9	26.5	27.1	28.2	27.1	27.6	22.7	21.6	22.1
30	27.8	26.2	27.1	27.8	26.9	27.3	28.4	27.4	27.9	21.6	20.5	20.9
31	---	---	---	27.2	25.9	26.4	28.4	27.5	28.0	---	---	---
MONTH	27.8	19.7	24.5	27.9	23.3	26.0	28.4	24.8	26.3	28.0	20.4	23.4