

02102000 DEEP RIVER AT MONCURE, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1955, 1957 to 1965, 1968 to 1970, 1972, 1976 to 1978, 1981 to 1983, 2002, to current year.

REMARKS.--Station operated in cooperation with the Upper Cape Fear River Basin Association to assess constituent loads.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity, wat unflab, Hach 2100AN NTU (99872)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfl uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfl incrm. titr., field, mg/L as CaCO3 (00419)	Chloride, water, fltrd, mg/L (00940)
OCT													
01...	1100	529	--	763	8.8	7.3	80	18.4	--	--	--	21	--
07...	1030	360	--	763	9.3	7.4	103	17.9	--	--	--	28	--
15...	1200	461	--	761	9.4	7.6	133	18.4	--	--	--	32	--
20...	1200	360	--	764	10.2	7.8	145	16.7	--	--	--	34	--
31...	1430	1,380	--	--	10.8	7.4	142	15.6	--	--	--	36	--
NOV													
12...	1030	461	--	760	10.7	7.6	142	14.4	--	--	--	36	--
21...	1200	1,010	--	761	10.8	7.5	147	12.8	--	--	--	36	--
28...	1215	385	--	751	12.1	7.5	176	11.8	--	--	--	38	--
DEC													
11...	1500	5,090	--	753	11.9	7.1	99	9.1	--	--	--	17	--
23...	1230	706	--	762	14.9	7.2	117	4.6	--	--	--	26	--
JAN													
06...	1045	587	--	--	11.8	7.6	127	8.3	--	--	--	32	--
20...	1100	828	--	762	13.2	7.4	144	3.8	--	--	--	61	--
FEB													
03...	1100	976	--	759	13.1	7.5	155	3.1	--	--	--	59	--
18...	1300	2,190	--	762	12.5	7.2	102	5.6	--	--	--	34	--
MAR													
08...	1045	1,000	--	758	11.4	7.3	111	13.1	--	--	--	20	--
18...	1100	2,680	--	762	11.3	7.2	121	12.1	--	--	--	25	--
30...	1100	605	--	762	10.4	7.5	123	14.3	--	--	--	27	--
APR													
13...	1200	906	--	--	9.9	7.1	134	14.9	--	--	--	33	--
MAY													
12...	1145	313	--	765	8.4	7.3	114	23.3	--	--	--	22	--
27...	1030	180	--	755	6.6	7.6	159	27.4	--	--	--	34	--
JUN													
10...	1115	245	--	761	7.9	7.3	197	26.1	--	--	--	31	--
22...	1045	192	--	756	7.6	7.5	205	26.2	--	--	--	36	--
JUL													
09...	1115	260	--	762	7.0	7.3	169	28.5	--	--	--	32	--
15...	1115	196	--	754	7.5	7.7	170	29.7	--	--	--	32	--
20...	1115	1,160	12	758	7.2	7.3	180	27.0	8.55	4.07	16.6	32	16.0
27...	1530	99	4.0	758	7.0	7.3	214	28.8	9.97	5.14	20.3	42	22.5
30...	1130	883	31	762	6.6	7.3	242	26.6	10.9	4.62	24.6	38	27.2
AUG													
03...	1045	324	21	754	7.0	7.3	144	27.5	7.76	3.32	11.7	32	13.2
06...	1130	285	--	756	7.9	7.3	227	26.7	--	--	--	38	--
10...	1015	113	--	755	7.4	7.5	218	26.1	--	--	--	38	--
15...	0945	1,830	76	764	7.7	7.2	122	22.4	7.12	2.78	8.46	29	10.1

02102000 DEEP RIVER AT MONCURE, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	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)	Phos- phorus, water, unfltrd mg/L (00665)	Alum- inum, water, fltrd, ug/L (01106)	Arsenic water, fltrd, ug/L (01000)	Cadmium water, fltrd, ug/L (01025)	Chrom- ium, water, fltrd, ug/L (01030)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)
OCT													
01...	--	.61	<.015	.58	.004	.126	.23	--	--	--	--	--	--
07...	--	.50	<.010	.79	.004	.133	.21	--	--	--	--	--	--
15...	--	.34	E.007	.91	.004	.096	.15	--	--	--	--	--	--
20...	--	.47	E.007	1.18	.004	.149	.20	--	--	--	--	--	--
31...	--	.45	E.009	.82	.004	.074	.11	--	--	--	--	--	--
NOV													
12...	--	.45	<.010	.88	.003	.137	.19	--	--	--	--	--	--
21...	--	.47	E.005	.95	.003	.109	.18	--	--	--	--	--	--
28...	--	.44	<.010	1.58	.004	.241	.33	--	--	--	--	--	--
DEC													
11...	--	1.6	.099	1.27	.011	.168	.46	--	--	--	--	--	--
23...	--	.54	.022	1.07	.006	.091	.16	--	--	--	--	--	--
JAN													
06...	--	.31	E.009	1.23	.002	.091	.14	--	--	--	--	--	--
20...	--	.36	<.010	1.08	.002	.071	.13	--	--	--	--	--	--
FEB													
03...	--	.36	<.010	1.12	.002	.051	.09	--	--	--	--	--	--
18...	--	.52	.034	.79	.007	.060	.12	--	--	--	--	--	--
MAR													
08...	--	.49	.022	.80	.008	.084	.15	--	--	--	--	--	--
18...	--	.74	.040	.79	.007	.057	.14	--	--	--	--	--	--
30...	--	.38	<.010	.64	.003	.068	.12	--	--	--	--	--	--
APR													
13...	--	.43	.026	.55	.003	.076	.11	--	--	--	--	--	--
MAY													
12...	--	.60	.024	1.07	.011	.133	.21	--	--	--	--	--	--
27...	--	.42	.027	.71	.008	.136	.21	--	--	--	--	--	--
JUN													
10...	--	.57	.024	1.52	.011	.231	.31	--	--	--	--	--	--
22...	--	.50	.019	1.40	.006	.351	.40	--	--	--	--	--	--
JUL													
09...	--	.60	.013	1.26	.006	.198	.26	--	--	--	--	--	--
15...	--	.60	.021	1.01	.008	.236	.31	--	--	--	--	--	--
20...	13.6	.59	.012	1.03	.005	.316	.39	19	1.0	<.04	<.8	2.5	276
27...	16.7	.57	.022	1.40	.009	.334	.39	11	1.0	E.02	E.6	2.2	186
30...	19.5	.68	.039	1.96	.014	.354	.43	7	.9	E.02	<.8	2.5	97
AUG													
03...	9.9	.58	.022	.82	.006	.223	.29	13	.9	E.02	<.8	2.3	228
06...	--	.73	.026	1.61	.015	.244	.33	--	--	--	--	--	--
10...	--	.58	.027	1.68	.009	.304	.35	--	--	--	--	--	--
15...	9.2	1.4	.405	.81	.014	.205	.33	51	1.0	<.04	<.8	3.6	415

CAPE FEAR RIVER BASIN

02102000 DEEP RIVER AT MONCURE, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Lead, water, fltrd, ug/L (01049)	Mangan- ese, water, fltrd, ug/L (01056)	Mercury water, fltrd, ug/L (71890)	Nickel, water, fltrd, ug/L (01065)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
OCT						
01...	--	--	--	--	--	--
07...	--	--	--	--	--	--
15...	--	--	--	--	--	--
20...	--	--	--	--	7	6.8
31...	--	--	--	--	13	48
NOV						
12...	--	--	--	--	6	7.5
21...	--	--	--	--	9	25
28...	--	--	--	--	10	10
DEC						
11...	--	--	--	--	162	2,230
23...	--	--	--	--	10	19
JAN						
06...	--	--	--	--	7	11
20...	--	--	--	--	9	20
FEB						
03...	--	--	--	--	5	13
18...	--	--	--	--	16	95
MAR						
08...	--	--	--	--	10	27
18...	--	--	--	--	32	232
30...	--	--	--	--	8	13
APR						
13...	--	--	--	--	10	24
MAY						
12...	--	--	--	--	12	10
27...	--	--	--	--	9	4.4
JUN						
10...	--	--	--	--	12	7.9
22...	--	--	--	--	8	4.1
JUL						
09...	--	--	--	--	12	8.4
15...	--	--	--	--	8	4.2
20...	.12	76.2	<.02	1.22	23	72
27...	E.08	58.7	<.02	1.40	5	1.3
30...	E.06	48.1	<.02	1.54	19	45
AUG						
03...	.10	47.9	<.02	.94	9	7.9
06...	--	--	--	--	9	6.9
10...	--	--	--	--	2	.61
15...	.19	49.4	<.02	1.21	57	282

Remark codes used in this table:

< -- Less than

E -- Estimated value