140 CAPE FEAR RIVER BASIN

02097464 MORGAN CREEK NEAR WHITE CROSS, NC--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1989 to current year.

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)
OCT 25 DEC	0950	1.6	118	6.9	14.0	15	760	7.7	75	42	10.4	3.82	5.8
20 FEB	1145	3.0	95	6.4	1.6	60	758	12.6	91	32	7.96	2.88	4.9
21	1230	3.5	88	6.8	9.6	60	762	10.5	93	29	7.16	2.66	4.9
MAR 21	1300	47	59	6.3	12.3	160	743	9.3	90	19	4.53	1.82	3.4
APR 10	1215	8.0	74	6.2	7.4	30				29	7.17	2.60	4.7
JUN 14	1200	3.0	102	6.9	21.8	12	750	7.4	86	35	8.69	3.22	4.8
AUG 27	1230	.28	128	7.1	21.6	10	756	5.8	67	47	12.4	3.99	4.8
DATE	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE IT-FLD (MG/L AS HCO3) (99440)	ANC WATER UNFLTRD IT FIELD MG/L AS CACO3 (00419)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)
OCT 25 DEC	22	.4	3.26	50	41	3.0	6.4	<.2	13.2	69	.001	.006	.004
20	23	.4	2.52	37	30	5.8	6.4	<.2	13.1	74	.004	.684	.022
FEB 21	26	.4	1.65	28	23	6.4	6.3	<.2	11.7	65	.003	.596	.007
MAR 21	26	.3	1.87	14	12	6.7	4.4	<.2	7.5	56	.002	.398	.057
APR 10	25	.4	1.54	30	25	4.2	5.4	<.2	8.1	62	.003	.281	.005
JUN 14	21	.4	3.83	43	35	4.1	5.5	E.1	10.9	80	.006	.384	.010
AUG 27	17	.3	3.61	83	68	3.2	4.5	<.2	13.9	92	.002	.328	.028
DATE	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)
OCT 25 DEC	.29	.29	.30	.075	.044	E23	<2	<.11	<1	<2	E1.1	220	<1
20 FEB	.33	.35	1.0	E.053	.027								
21 MAR	.32	.32	.92	.075	.020								
21 APR	.63	.69	1.1	.107	.020	635	<2	<.11	1	<2	2.9	1040	1
10 JUN	.37	.37	.65	E.040	.010	37	E1	1.57	<1	<2	<1.8	270	20
14 AUG	.52	.53	.92	.191	.123								
27	.28	.30	.63	.093	.053								

CAPE FEAR RIVER BASIN 141

02097464 MORGAN CREEK NEAR WHITE CROSS, NC--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
OCT										
25	34	< .14	<1.5	M	<2.6	< .43	<31	4.9	4	.02
DEC 20								6.5	66	.53
FEB								0.5	00	. 55
21								4.3	5	.05
MAR										
21	146	<.14	<1.5	E1	<2.6	< .43	<31	13	33	4.1
APR 10	153	< .14	<1.5	<2	<2.6	< .43	269	2.1	6	.13
JUN	133	<.14	<1.5	<2	<2.0	<.43	209	2.1	0	.13
14								6.5	40	.32
AUG										
27								4.7	9	.01