

0208524845 LITTLE RIVER RESERVOIR AT DAM NEAR BAHAMA, NC

LOCATION.--Lat 36°06'53", long 78°52'10", Durham County, Hydrologic Unit 03020201, at dam 7.5 mi below State Highway 501, and 4.0 mi south of Bahama.

DRAINAGE AREA.--97.7 mi<sup>2</sup>.

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. Samples for nutrient and chlorophyll a and b analyses were collected through a sampling zone equal to double the secchi disk depth using the depth-integration sampling technique.

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

DATE	TIME	SAMPLING DEPTH (M) (00098)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	BAROMETRIC PRESSURE (MM HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (PERCENT SATURATION) (00300)	OXYGEN, DIS-SOLVED (MG/L) (00301)	HARDNESS TOTAL (MG/L AS CaCO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg) (00925)
OCT													
27...	1220	1.0	77	7.0	19.7	13	755	1.00	6.9	76	27	6.58	2.55
27...	1221	10.0	80	6.4	18.8	--	755	--	6.4	70	--	--	--
27...	1222	21.1	242	7.2	10.4	--	755	--	.3	3	--	--	--
APR													
17...	1230	1.0	59	6.9	18.4	50	761	.90	8.2	88	20	4.64	1.95
17...	1235	12.0	65	6.1	8.8	--	761	--	5.1	44	--	--	--
17...	1240	23.0	84	6.1	8.5	--	761	--	.9	8	--	--	--
JUN													
25...	1215	1.0	73	6.6	24.1	20	767	.80	5.9	70	23	5.59	2.27
25...	1220	11.5	76	6.1	18.4	--	767	--	.2	2	--	--	--
25...	1225	23.0	121	6.5	9.2	--	767	--	.3	3	--	--	--
AUG													
23...	1230	1.0	72	6.7	27.7	12	756	.60	4.7	61	23	5.60	2.23
23...	1235	11.0	83	6.6	24.3	--	756	--	.2	3	--	--	--
23...	1240	21.5	223	7.2	11.4	--	756	--	.3	3	--	--	--

DATE	SODIUM, DIS-SOLVED (MG/L AS Na) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORPTION RATIO (00931)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)	BICARBONATE, DIS-SOLVED (MG/L AS HCO3) (99440)	ANC WATER UNFLTRD FIELD (MG/L AS CaCO3) (00419)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUORIDE, 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)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
OCT													
27...	4.8	26	.4	1.80	29	24	3.0	5.3	<.2	9.2	56	.002	.094
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
17...	3.6	26	.4	1.97	16	13	6.0	4.6	<.2	5.0	39	.005	.123
17...	--	--	--	--	--	--	--	--	--	--	--	.004	.316
17...	--	--	--	--	--	--	--	--	--	--	--	.006	.240
JUN													
25...	3.9	25	.4	1.96	23	19	4.8	4.4	E.1	4.2	44	.002	.037
25...	--	--	--	--	--	--	--	--	--	--	--	.003	.072
25...	--	--	--	--	--	--	--	--	--	--	--	.001	.041
AUG													
23...	3.7	24	.3	2.15	26	21	4.0	5.0	<.2	5.7	58	<.001	.006
23...	--	--	--	--	--	--	--	--	--	--	--	<.001	.005
23...	--	--	--	--	--	--	--	--	--	--	--	<.001	.005

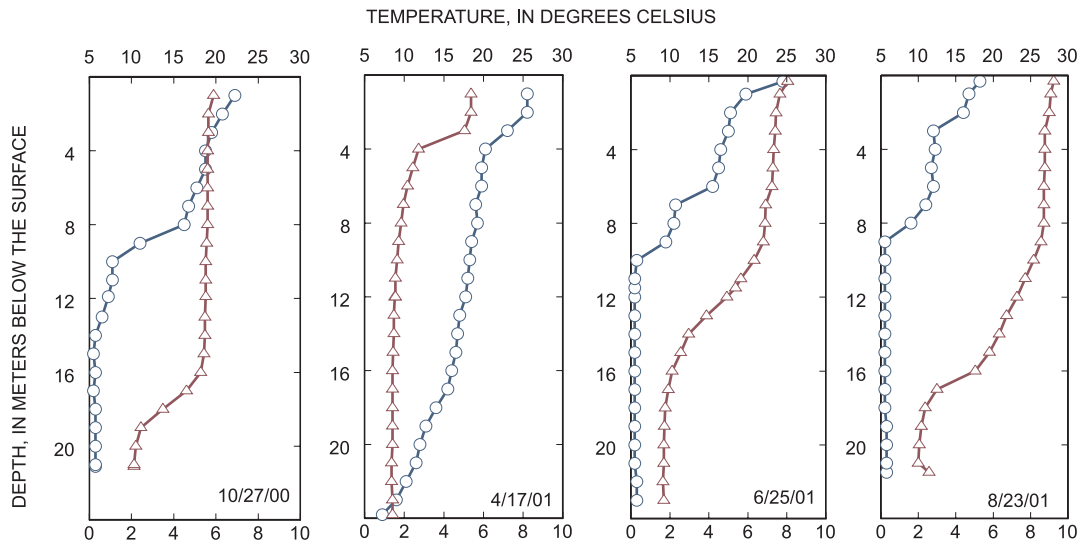
DATE	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CHLOROPHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOROPHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOVERABLE (UG/L AS CO) (01037)
OCT													
27...	.016	.38	.39	.49	<.060	<.007	.9	<.1	E25	<2	<.11	M	<2
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
17...	.006	.49	.50	.62	E.033	<.007	2.3	<.1	165	E1	<.11	<1	<2
17...	.177	.51	.68	1.00	E.051	.015	--	--	--	--	--	--	--
17...	.366	.65	1.0	1.3	.085	.009	--	--	--	--	--	--	--
JUN													
25...	.072	.60	.67	.71	<.060	<.007	9.3	<.1	--	--	--	--	--
25...	.169	.45	.62	.69	<.060	<.007	--	--	--	--	--	--	--
25...	.754	.60	1.4	1.4	.073	.014	--	--	--	--	--	--	--
AUG													
23...	.036	.56	.60	.60	E.054	<.007	3.1	.5	--	--	--	--	--
23...	.133	.39	.53	.53	<.060	<.007	--	--	--	--	--	--	--
23...	.706	.27	.97	.98	<.060	<.007	--	--	--	--	--	--	--



0208524845 LITTLE RIVER RESERVOIR AT DAM NEAR BAHAMA, NC--Continued

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

DATE	1,2-DI-CHLORO-PROPANE (UG/L) (34541)	TRANS-1,2-DI-CHLORO-ETHENE (UG/L) (34546)	HEXA-CHLORO-BUT-ADIENE (UG/L) (39702)	ETHANE-HEXA-CHLORO-WATER UNFLTRD (UG/L) (34396)	NAPHTH-ALENE (UG/L) (34696)	BENZENE 1,2,4-TRI-CHLORO-WAT UNF (UG/L) (34551)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD (UG/L) (34566)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD (UG/L) (34571)	1,2-DIBROMO-ETHANE (UG/L) (77651)	SI-MAZINE, DISS, (UG/L) (04035)	PRO-METON, DISS, (UG/L) (04037)	DEETHYL-ATRA-ZINE, DISS, (UG/L) (04040)	CYANA-ZINE, DISS, (UG/L) (04041)
OCT 27...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 17...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 25...	<.03	<.03	<.1	<.2	<.2	<.2	<.03	<.05	<.04	<.011	E.004	E.002	<.018
AUG 23...	--	--	--	--	--	--	--	--	--	--	--	--	--



DISSOLVED OXYGEN, IN MILLIGRAMS PER LITER

