

0209719700 B. EVERETT JORDAN LAKE, HAW RIVER ARM, ABOVE B. EVERETT JORDAN DAM, NC

LOCATION.--Lat 35°39'40", long 79°04'22", Chatham County, Hydrologic Unit 03030002, 0.5 mi above B. Everett Jordan Dam, and 1.4 mi southwest of Merry Oaks.

PERIOD OF RECORD.--Water years 1989 to current year. Prior to October 1993, published as Haw River at U.S. Highway 64 near Pittsboro (station 0209699980).

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 2003 TO SEPTEMBER 2004

Date	Time	Color, water, fltrd, Pt-Co units (00080)	Sam-pling depth, meters (00098)	Trans-parency Secchi disc, meters (00078)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)
OCT													
30...	1430	50	1.0	.70	763	12.1	129	8.9	159	18.7	33	7.91	3.15
30...	1435	--	3.0	--	763	10.7	105	7.8	230	14.6	--	--	--
30...	1440	--	5.0	--	763	10.6	103	7.7	227	14.1	--	--	--
APR													
22...	1000	50	1.0	1.00	760	7.1	--	7.9	--	21.8	33	7.25	3.58
22...	1005	--	3.0	--	760	6.7	--	7.5	--	19.9	--	--	--
22...	1010	--	5.0	--	760	3.9	--	6.9	--	15.7	--	--	--
JUN													
24...	1130	62	1.0	.60	758	7.6	98	8.4	216	27.9	40	10.7	3.30
24...	1135	--	2.0	--	758	5.9	75	8.0	218	27.5	--	--	--
24...	1140	--	5.0	--	758	2.1	26	7.0	211	25.4	--	--	--
AUG													
24...	1030	38	1.0	.60	760	7.1	91	8.3	147	27.5	32	7.54	3.11
24...	1035	--	2.5	--	760	5.7	73	7.6	150	27.2	--	--	--
24...	1040	--	5.0	--	760	5.5	67	7.0	141	25.7	--	--	--

Date	Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419)	Bicar-bonate, wat unf incrm. titr., field, mg/L (00450)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	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)
OCT													
30...	3.69	15.5	37	45	12.8	<.2	9.45	10.4	100	.86	E.005	.298	.007
30...	--	--	--	--	--	--	--	--	--	.85	<.010	.800	.008
30...	--	--	--	--	--	--	--	--	--	.61	.019	1.62	.007
APR													
22...	2.99	15.5	36	44	12.7	<.2	9.78	12.2	101	.54	.046	.424	.005
22...	--	--	--	--	--	--	--	--	--	.57	.059	.435	.006
22...	--	--	--	--	--	--	--	--	--	.72	.099	.370	.010
JUN													
24...	4.00	21.9	43	52	20.1	.2	1.91	20.4	134	.86	.036	.556	.014
24...	--	--	--	--	--	--	--	--	--	.74	.086	.645	.027
24...	--	--	--	--	--	--	--	--	--	.65	.091	.950	.008
AUG													
24...	3.40	15.8	32	40	12.2	<.2	8.65	11.7	89	.72	E.006	.210	.006
24...	--	--	--	--	--	--	--	--	--	.78	<.010	.209	.006
24...	--	--	--	--	--	--	--	--	--	.67	.028	.327	.007

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

Date	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Chlorophyll a phytoplankton, fluoro, ug/L (70953)	Chlorophyll b phytoplankton, fluoro, ug/L (70954)	Aluminum, water, unfltrd recover-able, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recover-able, ug/L (01034)	Cobalt water, unfltrd recover-able, ug/L (01037)	Copper, water, unfltrd recover-able, ug/L (01042)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, unfltrd recover-able, ug/L (01051)
OCT													
30...	<.006	.094	9.8	34.1	1.4	118	<2	E.03	E.5	.424	1.8	300	.37
30...	.054	.144	--	--	--	--	--	--	--	--	--	370	--
30...	.179	.23	--	--	--	--	--	--	--	--	--	720	--
APR													
22...	.082	.144	6.1	1.8	<.1	133	<2	E.04	E.4	.742	2.2	600	.36
22...	.075	.146	--	--	--	--	--	--	--	--	--	740	--
22...	.035	.116	--	--	--	--	--	--	--	--	--	620	--
JUN													
24...	.040	.156	8.7	20.3	E.7	--	--	--	--	--	--	570	--
24...	.042	.132	--	--	--	--	--	--	--	--	--	580	--
24...	.082	.168	--	--	--	--	--	--	--	--	--	970	--
AUG													
24...	E.004	.110	8.8	16.7	E1.1	--	--	--	--	--	--	430	--
24...	E.005	.083	--	--	--	--	--	--	--	--	--	410	--
24...	.017	.089	--	--	--	--	--	--	--	--	--	560	--

Date	Manganese, water, unfltrd recover-able, ug/L (01055)	Mercury water, unfltrd recover-able, ug/L (71900)	Molybdenum, water, unfltrd recover-able, ug/L (01062)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover-able, ug/L (01077)
OCT						
30...	78	<.02	2.5	E1.10	.5	<.16
30...	66	--	--	--	--	--
30...	49	--	--	--	--	--
APR						
22...	129	.07	1.3	1.05	E.2	<.16
22...	163	--	--	--	--	--
22...	148	--	--	--	--	--
JUN						
24...	70.1	--	--	--	--	--
24...	86.6	--	--	--	--	--
24...	184	--	--	--	--	--
AUG						
24...	59.0	--	--	--	--	--
24...	56.4	--	--	--	--	--
24...	92.8	--	--	--	--	--

Remark codes used in this table:

< -- Less than

E -- Estimated value

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