

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 2004 TO SEPTEMBER 2005

Date	Time	Medium code	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 un-f 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)		
OCT															
20...	1100	9	25	1.0	.50	755	11.0	124	9.0	161	20.8	33	8.00		
20...	1105	9	--	2.0	--	755	10.9	124	9.0	161	20.8	--	--		
20...	1110	9	--	4.0	--	755	8.6	94	8.3	233	19.2	--	--		
APR															
20...	1415	9	50	1.0	.60	756	10.3	113	8.6	148	19.6	37	8.38		
20...	1420	9	--	2.0	--	756	8.4	88	7.5	147	17.3	--	--		
20...	1425	9	--	4.0	--	756	7.6	77	7.2	153	15.5	--	--		
JUN															
24...	1500	9	38	1.0	.50	763	12.6	164	9.2	206	29.1	34	7.95		
24...	1505	9	--	2.0	--	763	10.5	131	8.8	238	26.9	--	--		
24...	1510	9	--	4.0	--	763	5.7	70	7.3	255	25.8	--	--		
AUG															
08...	1000	9	40	1.0	.50	759	9.7	130	8.8	199	30.4	33	8.15		
08...	1005	9	--	2.0	--	759	7.8	104	8.5	199	29.9	--	--		
08...	1010	9	--	4.0	--	759	2.4	31	6.7	209	28.4	--	--		
Date			Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf incrm. titr., mg/L as CaCO3 (00419)	Bicar-bonate, wat unf incrm. titr., 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)
OCT															
20...	3.05	3.90	16.4	35	43	13.7	.2	8.53	12.0	98	.97	E.006	.017	<.016	
20...	--	--	--	--	--	--	--	--	--	--	.99	E.009	.017	<.016	
20...	--	--	--	--	--	--	--	--	--	--	.96	E.009	.017	.020	
APR															
20...	3.92	2.45	15.7	38	46	12.4	.1	8.91	12.2	103	.63	.020	.024	.378	
20...	--	--	--	--	--	--	--	--	--	--	.41	.024	.024	.379	
20...	--	--	--	--	--	--	--	--	--	--	.54	.077	.077	.547	
JUN															
24...	3.54	3.66	25.1	42	51	17.9	.3	8.27	17.3	130	1.0	.010	.012	.164	
24...	--	--	--	--	--	--	--	--	--	--	1.0	.012	.012	.274	
24...	--	--	--	--	--	--	--	--	--	--	.74	.089	.089	.609	
AUG															
08...	3.16	4.16	20.4	41	50	15.9	.2	6.65	15.3	110	1.1	<.050	<.050	E.069	
08...	--	--	--	--	--	--	--	--	--	--	.98	<.050	<.050	.130	
08...	--	--	--	--	--	--	--	--	--	--	.80	.109	.109	.370	

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Nitrite water, fltrd, mg/L as N (00613)	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)
OCT													
20...	E.001	E.003	.078	10.2	E12.8	<.1	72	<2	.04	<.8	.353	1.7	260
20...	E.001	E.003	.079	--	--	--	--	--	--	--	--	--	260
20...	E.001	<.006	.083	--	--	--	--	--	--	--	--	--	270
APR													
20...	.005	.007	.079	7.4	4.5	<.1	152	<2	E.03	E.4	.531	2.4	680
20...	.003	.007	.053	--	--	--	--	--	--	--	--	--	740
20...	.006	.008	.073	--	--	--	--	--	--	--	--	--	1,000
JUN													
24...	.005	<.030	.087	7.0	28.6	<.1	--	--	--	--	--	--	280
24...	.005	<.030	.111	--	--	--	--	--	--	--	--	--	420
24...	.006	.049	.148	--	--	--	--	--	--	--	--	--	820
AUG													
08...	E.007	<.030	.114	9.5	13.9	<.1	--	--	--	--	--	--	330
08...	E.006	<.030	.116	--	--	--	--	--	--	--	--	--	410
08...	.016	<.030	.117	--	--	--	--	--	--	--	--	--	700

Date	Lead, water, unfltrd recover-able, ug/L (01051)	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)	Zinc, water, unfltrd recover-able, ug/L (01092)
OCT								
20...	.23	66.4	E.01	2.6	.93	.8	<.16	5
20...	--	66.0	--	--	--	--	--	--
20...	--	71.2	--	--	--	--	--	--
APR								
20...	.44	80	.02	1.4	1.21	1.1	<.16	4
20...	--	59.3	--	--	--	--	--	--
20...	--	226	--	--	--	--	--	--
JUN								
24...	--	70.2	--	--	--	--	--	--
24...	--	93.6	--	--	--	--	--	--
24...	--	205	--	--	--	--	--	--
AUG								
08...	--	72.5	--	--	--	--	--	--
08...	--	90.6	--	--	--	--	--	--
08...	--	249	--	--	--	--	--	--

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

Medium codes used in this table:
 9 -- Surface water.

