

0209801100 B. EVERETT JORDAN LAKE AT BELLS LANDING NEAR GRIFFINS CROSSROADS, NC

LOCATION.--Lat 35°43'39", long 79°02'34", Chatham County, Hydrologic Unit 03030002, at Bells Landing and 2.0 mi southeast of Griffins Crossroads.

PERIOD OF RECORD.--Water years 1991-1995, 1999 to current year.

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment. A GC/FID scan for trace organic compounds was performed on samples collected in November 1994 and May 1995. Results may be obtained from the USGS Water Science Center, Raleigh. 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...	1000	9	20	1.0	.70	755	8.8	99	8.1	156	21.1	30	7.46
20...	1005	9	--	3.0	--	755	8.6	97	7.9	155	21.1	--	--
20...	1010	9	--	6.0	--	755	6.3	71	7.2	156	20.6	--	--
APR													
21...	1000	9	30	1.0	.90	755	11.8	126	9.1	145	18.4	30	7.13
21...	1005	9	--	3.0	--	755	10.2	106	8.3	142	16.8	--	--
21...	1010	9	--	6.0	--	755	6.6	66	7.0	144	14.4	--	--
JUN													
24...	1045	9	25	1.0	.60	763	9.0	113	9.0	162	27.2	32	7.79
24...	1050	9	--	3.0	--	763	8.0	98	8.6	159	26.1	--	--
24...	1055	9	--	6.0	--	763	.1	2	6.8	170	21.5	--	--
AUG													
08...	1415	9	15	1.0	.80	759	8.4	113	8.6	167	30.9	33	7.95
08...	1420	9	--	3.0	--	759	5.3	70	7.2	165	29.8	--	--
08...	1425	9	--	6.0	--	759	.2	2	6.7	184	26.9	--	--

Date	Magnesium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat un-f incrm. titr., mg/L as CaCO3 (00419)	Bicar-bonate, wat un-f 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...	2.65	3.45	15.2	35	43	14.5	.2	5.76	10.8	94	.77	E.005	<.016
20...	--	--	--	--	--	--	--	--	--	--	.81	E.005	<.016
20...	--	--	--	--	--	--	--	--	--	--	.81	E.006	<.016
APR													
21...	2.86	2.99	15.3	28	34	13.6	.2	3.26	11.8	95	.86	E.006	.040
21...	--	--	--	--	--	--	--	--	--	--	.88	E.008	.063
21...	--	--	--	--	--	--	--	--	--	--	.72	.073	.134
JUN													
24...	3.08	3.10	15.1	29	36	13.9	.2	1.72	12.1	88	.64	E.008	<.016
24...	--	--	--	--	--	--	--	--	--	--	.68	<.010	<.016
24...	--	--	--	--	--	--	--	--	--	--	.83	.198	<.016
AUG													
08...	3.16	3.31	15.8	36	43	15.0	.2	1.84	11.7	89	.60	.011	E.013
08...	--	--	--	--	--	--	--	--	--	--	.59	<.050	<.080
08...	--	--	--	--	--	--	--	--	--	--	.59	<.050	<.080

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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...	<.002	<.006	.046	10.1	E15.6	<.1	51	<2	<.04	<.8	.193	.7	150
20...	<.002	E.003	.045	--	--	--	--	--	--	--	--	--	150
20...	E.001	<.006	.045	--	--	--	--	--	--	--	--	--	160
APR													
21...	.007	<.006	.053	9.8	8.7	<.1	35	<2	<.04	<.8	.182	1.6	90
21...	.007	<.006	.051	--	--	--	--	--	--	--	--	--	110
21...	.010	<.006	.045	--	--	--	--	--	--	--	--	--	150
JUN													
24...	<.002	<.030	.031	10.2	2.8	<.1	--	--	--	--	--	--	50
24...	<.002	<.030	.034	--	--	--	--	--	--	--	--	--	90
24...	<.002	<.030	.053	--	--	--	--	--	--	--	--	--	420
AUG													
08...	E.001	<.006	.030	8.3	8.9	1.9	--	--	--	--	--	--	60
08...	<.010	<.030	.032	--	--	--	--	--	--	--	--	--	130
08...	<.010	<.04	.039	--	--	--	--	--	--	--	--	--	160

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...	.17	95.4	E.01	2.8	.76	.9	<.16	2
20...	--	95.5	--	--	--	--	--	--
20...	--	104	--	--	--	--	--	--
APR								
21...	.14	39	.07	1.5	.80	.7	<.16	E2
21...	--	42.8	--	--	--	--	--	--
21...	--	64.2	--	--	--	--	--	--
JUN								
24...	--	38.1	--	--	--	--	--	--
24...	--	55.5	--	--	--	--	--	--
24...	--	1,690	--	--	--	--	--	--
AUG								
08...	--	54.5	--	--	--	--	--	--
08...	--	96.5	--	--	--	--	--	--
08...	--	742	--	--	--	--	--	--

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

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

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