

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 District office in 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 2002 TO SEPTEMBER 2003

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, unfltrd mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	
OCT														
30...	1215	25	0.99	0.70	754	4.3	45	6.8	199	16.9	30	7.31	2.80	
30...	1220	--	4.0	--	754	4.3	44	6.9	199	16.9	--	--	--	
30...	1225	--	7.7	--	754	4.2	44	6.9	200	16.7	--	--	--	
MAY														
07...	1030	75	1.0	0.70	763	8.8	97	7.0	85	20.2	22	5.54	2.08	
07...	1035	--	4.0	--	763	6.4	68	6.4	85	18.3	--	--	--	
07...	1040	--	7.0	--	763	2.3	22	6.1	88	13.9	--	--	--	
JUN														
25...	1100	15	1.0	1.00	760	9.8	123	8.7	100	26.6	27	6.65	2.42	
25...	1105	--	3.0	--	760	7.6	92	7.1	97	25.0	--	--	--	
25...	1110	--	6.0	--	760	1.7	20	6.4	102	23.4	--	--	--	
AUG														
20...	1130	35	1.0	0.90	763	6.1	78	7.0	111	28.4	29	7.31	2.68	
20...	1135	--	3.0	--	763	4.8	61	6.7	111	28.3	--	--	--	
20...	1140	--	7.0	--	763	0.1	1	6.6	124	25.5	--	--	--	
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)	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)	Ortho-phosphate, water, fltrd, mg/L as P (00671)
OCT														
30...	4.32	21.5	36	44	20.5	5.8	18.3	109	0.65	0.037	0.64	0.010	E.006	
30...	--	--	--	--	--	--	--	--	0.60	0.034	0.62	0.010	E.004	
30...	--	--	--	--	--	--	--	--	0.62	0.044	0.61	0.010	<0.007	
MAY														
07...	2.18	7.45	19	23	7.72	2.9	8.7	65	0.58	E.010	0.150	0.007	<0.007	
07...	--	--	--	--	--	--	--	--	0.58	0.046	0.165	0.007	<0.007	
07...	--	--	--	--	--	--	--	--	0.68	0.186	0.230	0.007	E.006	
JUN														
25...	2.35	7.69	25	31	7.13	4.4	7.6	64	0.68	<0.015	<0.022	<0.002	<0.007	
25...	--	--	--	--	--	--	--	--	0.64	E.011	0.022	0.003	<0.007	
25...	--	--	--	--	--	--	--	--	0.63	0.102	0.071	0.005	<0.007	
AUG														
20...	2.55	8.39	28	34	7.44	6.1	6.8	62	0.68	<0.015	<0.022	<0.002	<0.007	
20...	--	--	--	--	--	--	--	--	0.65	<0.015	<0.022	<0.002	<0.007	
20...	--	--	--	--	--	--	--	--	0.83	0.164	<0.022	<0.002	<0.007	

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Date	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)	Manganese, water, unfltrd recover-able, ug/L (01055)
OCT													
30...	--	8.0	4.6	<0.1	130	<2	<0.2	<0.8	<3.4	E1.0	250	<1	174
30...	--	--	--	--	--	--	--	--	--	--	240	--	173
30...	--	--	--	--	--	--	--	--	--	--	360	--	225
MAY													
07...	0.049	9.4	E8.2	<0.1	120	<2	<0.2	<0.8	<3.4	1.9	360	<1	38.8
07...	0.057	--	--	--	--	--	--	--	--	--	400	--	46.7
07...	0.073	--	--	--	--	--	--	--	--	--	720	--	289
JUN													
25...	0.033	9.4	7.6	0.6	--	--	--	--	--	--	160	--	45.6
25...	0.033	--	--	--	--	--	--	--	--	--	190	--	46.7
25...	0.046	--	--	--	--	--	--	--	--	--	440	--	298
AUG													
20...	0.037	8.9	E11.1	<0.1	--	--	--	--	--	--	510	--	54.1
20...	0.035	--	--	--	--	--	--	--	--	--	80	--	81.1
20...	0.051	--	--	--	--	--	--	--	--	--	70	--	80.2

Date	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						
30...	E.01	3	<2.0	<3	<0.3	<25
30...	--	--	--	--	--	--
30...	--	--	--	--	--	--
MAY						
07...	0.15	<2	<2.0	<3	<0.3	<25
07...	--	--	--	--	--	--
07...	--	--	--	--	--	--
JUN						
25...	--	--	--	--	--	--
25...	--	--	--	--	--	--
25...	--	--	--	--	--	--
AUG						
20...	--	--	--	--	--	--
20...	--	--	--	--	--	--
20...	--	--	--	--	--	--

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

