

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 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 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)	Magnes-ium, water, fltrd, mg/L (00925)	
OCT														
28...	1130	50	1.0	.60	756	8.4	90	7.6	117	18.3	29	7.12	2.69	
28...	1135	--	4.0	--	756	8.4	90	7.6	117	18.3	--	--	--	
28...	1140	--	7.0	--	756	8.6	92	7.5	117	18.2	--	--	--	
APR														
20...	1000	25	1.0	.80	761	11.1	--	8.9	--	18.7	28	6.87	2.57	
20...	1005	--	3.0	--	761	10.4	--	8.4	--	17.3	--	--	--	
20...	1010	--	7.2	--	761	4.6	--	7.0	--	14.4	--	--	--	
JUN														
23...	0945	20	1.0	1.00	757	7.9	101	8.6	169	27.5	31	7.68	2.92	
23...	0950	--	3.0	--	757	7.1	91	8.1	170	27.3	--	--	--	
23...	0955	--	6.0	--	757	.2	3	7.0	166	25.4	--	--	--	
AUG														
24...	1130	18	1.0	.80	760	8.7	112	8.9	173	28.1	35	8.80	3.06	
24...	1135	--	3.0	--	760	2.4	30	6.9	170	26.6	--	--	--	
24...	1140	--	6.0	--	760	.2	2	6.7	175	25.6	--	--	--	
Date		Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat un-f incrm. titr., field, mg/L as CaCO3 (00419)	Bicar-bonate, wat un-f 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														
28...	3.19	10.6	28	35	8.65	<.2	7.59	8.5	80	.70	.017	.096	.006	
28...	--	--	--	--	--	--	--	--	--	.73	.010	.093	.005	
28...	--	--	--	--	--	--	--	--	--	.63	E.009	.094	.006	
APR														
20...	3.16	14.5	32	39	13.8	<.2	.06	10.8	84	.71	E.009	<.016	.002	
20...	--	--	--	--	--	--	--	--	--	.70	E.009	E.011	.003	
20...	--	--	--	--	--	--	--	--	--	.70	.029	.025	.004	
JUN														
23...	3.26	17.4	37	45	16.9	.2	1.17	10.3	102	.55	<.010	<.016	<.002	
23...	--	--	--	--	--	--	--	--	--	.54	<.010	<.016	<.002	
23...	--	--	--	--	--	--	--	--	--	.59	<.010	<.016	<.002	
AUG														
24...	3.56	17.9	36	44	17.8	.2	3.01	10.0	89	.77	E.007	<.016	<.002	
24...	--	--	--	--	--	--	--	--	--	.80	E.006	<.016	<.002	
24...	--	--	--	--	--	--	--	--	--	.86	.192	<.016	<.002	

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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													
28...	<.006	.043	7.7	16.4	<.1	122	<2	<.04	E.6	.239	1.1	190	.32
28...	<.006	.043	--	--	--	--	--	--	--	--	--	180	--
28...	<.006	.042	--	--	--	--	--	--	--	--	--	170	--
APR													
20...	<.006	.042	9.0	15.2	E.7	47	<2	<.04	<.8	.237	1.3	100	.12
20...	<.006	.047	--	--	--	--	--	--	--	--	--	100	--
20...	<.006	.046	--	--	--	--	--	--	--	--	--	160	--
JUN													
23...	<.006	.029	8.2	11.3	<.1	--	--	--	--	--	--	50	--
23...	<.006	.028	--	--	--	--	--	--	--	--	--	50	--
23...	<.006	.046	--	--	--	--	--	--	--	--	--	270	--
AUG													
24...	<.006	.038	9.0	21.9	E.8	--	--	--	--	--	--	60	--
24...	<.006	.037	--	--	--	--	--	--	--	--	--	100	--
24...	<.006	.044	--	--	--	--	--	--	--	--	--	300	--

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						
28...	117	<.02	1.8	E.70	.5	<.16
28...	117	--	--	--	--	--
28...	116	--	--	--	--	--
APR						
20...	46	.03	1.5	.77	<.4	<.16
20...	41.0	--	--	--	--	--
20...	84.2	--	--	--	--	--
JUN						
23...	47.7	--	--	--	--	--
23...	49.1	--	--	--	--	--
23...	565	--	--	--	--	--
AUG						
24...	49.5	--	--	--	--	--
24...	120	--	--	--	--	--
24...	735	--	--	--	--	--

Remark codes used in this table:

< -- Less than

E -- Estimated value

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