

0209768310 B. EVERETT JORDAN LAKE AT BUOY 12 AT FARRINGTON, NC

LOCATION.--Lat 35°47'56", long 79°00'21", Chatham County, Hydrologic Unit 03030002, .02 mi above Secondary Road 1008, and 0.2 mi east of Farrington.

PERIOD OF RECORD.--Water years 1992 to current year.

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 unfltrd 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...	1200	25	1.0	.60	763	9.5	98	8.1	152	16.7	33	8.40	2.86
30...	1205	--	3.0	--	763	8.6	87	7.6	158	16.3	--	--	--
30...	1210	--	5.0	--	763	.2	3	7.2	230	16.7	--	--	--
APR													
22...	1230	50	1.0	.50	760	6.9	--	8.2	--	18.7	36	9.29	3.18
22...	1235	--	3.0	--	760	6.9	--	7.3	--	17.8	--	--	--
22...	1240	--	5.0	--	760	5.1	--	7.1	--	17.0	--	--	--
JUN													
24...	0930	50	1.0	.60	758	5.4	68	7.6	198	27.4	39	10.3	3.22
24...	0935	--	2.0	--	758	5.2	67	7.5	198	27.4	--	--	--
24...	0940	--	4.0	--	758	2.2	27	7.2	202	27.0	--	--	--
AUG													
24...	1230	50	1.0	.40	760	6.2	79	7.6	150	27.3	33	8.43	2.79
24...	1235	--	2.0	--	760	4.6	57	7.0	147	26.9	--	--	--
24...	1240	--	4.0	--	760	1.6	20	6.7	153	26.1	--	--	--

Date	Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfltrd, titr., field, mg/L as CaCO3 (00419)	Bicar-bonate, wat unfltrd, 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...	3.62	16.2	38	46	12.8	.2	4.91	11.5	95	.95	.042	E.008	.002
30...	--	--	--	--	--	--	--	--	--	.84	.027	E.011	E.001
30...	--	--	--	--	--	--	--	--	--	.90	.038	E.008	.002
APR													
22...	3.47	20.1	35	42	23.7	.2	.07	12.5	109	1.1	.017	<.016	.002
22...	--	--	--	--	--	--	--	--	--	1.1	.068	E.010	.002
22...	--	--	--	--	--	--	--	--	--	1.3	.148	E.014	.003
JUN													
24...	3.97	22.2	40	49	21.4	.2	1.86	12.1	113	1.1	<.010	<.016	<.002
24...	--	--	--	--	--	--	--	--	--	.92	<.010	<.016	<.002
24...	--	--	--	--	--	--	--	--	--	1.0	E.006	<.016	<.002
AUG													
24...	3.63	16.5	34	41	15.1	.2	5.69	10.9	93	1.2	E.007	<.016	E.001
24...	--	--	--	--	--	--	--	--	--	1.1	E.006	<.016	E.001
24...	--	--	--	--	--	--	--	--	--	1.3	.147	E.013	.008

0209768310 B. EVERETT JORDAN LAKE AT BUOY 12 AT FARRINGTON, NC—Continued

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	.070	9.9	32.8	1.2	114	<2	<.04	<.8	.270	1.0	210	.37
30...	<.006	.065	--	--	--	--	--	--	--	--	--	240	--
30...	<.006	.075	--	--	--	--	--	--	--	--	--	320	--
APR													
22...	<.006	.088	10.7	39.6	3.3	99	E1	<.04	<.8	.475	1.3	250	.31
22...	<.006	.089	--	--	--	--	--	--	--	--	--	330	--
22...	<.006	.107	--	--	--	--	--	--	--	--	--	490	--
JUN													
24...	<.006	.074	10.7	62.2	2.5	--	--	--	--	--	--	230	--
24...	<.006	.073	--	--	--	--	--	--	--	--	--	230	--
24...	<.006	.081	--	--	--	--	--	--	--	--	--	300	--
AUG													
24...	E.003	.089	15.5	39.2	E1.7	--	--	--	--	--	--	390	--
24...	E.004	.091	--	--	--	--	--	--	--	--	--	350	--
24...	<.006	.096	--	--	--	--	--	--	--	--	--	480	--

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...	157	E.01	3.5	E.78	<.4	<.16
30...	170	--	--	--	--	--
30...	190	--	--	--	--	--
APR						
22...	180	.02	2.7	1.07	E.2	<.16
22...	206	--	--	--	--	--
22...	331	--	--	--	--	--
JUN						
24...	248	--	--	--	--	--
24...	250	--	--	--	--	--
24...	347	--	--	--	--	--
AUG						
24...	139	--	--	--	--	--
24...	140	--	--	--	--	--
24...	223	--	--	--	--	--

Remark codes used in this table:

< -- Less than

E -- Estimated value

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