

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 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 unfltrd 25 degC (00095)	Temper-ature, water, deg C (00010)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
OCT													
19...	1145	9	20	1.0	.50	755	8.1	89	7.8	156	19.7	33	8.37
19...	1150	9	--	2.0	--	755	7.4	81	7.4	157	19.4	--	--
19...	1155	9	--	4.0	--	755	6.4	69	7.2	162	18.9	--	--
APR													
21...	0900	9	60	1.0	.50	755	8.4	87	7.5	146	16.6	34	8.56
21...	0905	9	--	2.0	--	755	7.6	77	6.9	145	15.3	--	--
21...	0910	9	--	4.0	--	755	6.4	63	6.8	145	14.6	--	--
JUN													
24...	1245	9	15	1.0	.10	763	11.7	151	9.3	203	28.6	40	10.2
24...	1250	9	--	2.0	--	763	7.8	97	8.6	193	26.9	--	--
24...	1255	9	--	4.0	--	763	.8	9	6.8	180	24.9	--	--
AUG													
08...	1215	9	40	1.0	.40	759	8.1	108	8.5	198	29.9	39	10.2
08...	1220	9	--	2.0	--	759	5.8	76	7.5	197	29.4	--	--
08...	1225	9	--	4.0	--	759	3.5	46	6.9	196	28.9	--	--

Date	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfltrd, field, mg/L as CaCO3 (00419)	Bicar-bonate, wat unfltrd, 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)
OCT													
19...	2.91	3.65	16.0	34	41	14.4	.2	5.88	10.7	94	1.0	E.009	.023
19...	--	--	--	--	--	--	--	--	--	--	1.1	.030	.034
19...	--	--	--	--	--	--	--	--	--	--	1.1	.040	.037
APR													
21...	3.05	2.87	14.2	30	36	13.8	.2	3.99	11.1	91	.91	.035	.096
21...	--	--	--	--	--	--	--	--	--	--	1.0	.074	.167
21...	--	--	--	--	--	--	--	--	--	--	1.0	.152	.210
JUN													
24...	3.44	3.80	19.2	40	44	18.7	.2	2.88	13.5	131	1.3	<.010	<.016
24...	--	--	--	--	--	--	--	--	--	--	1.0	<.010	<.016
24...	--	--	--	--	--	--	--	--	--	--	.75	<.010	<.016
AUG													
08...	3.30	4.15	18.5	42	52	18.5	.3	4.29	13.2	119	1.0	<.050	<.080
08...	--	--	--	--	--	--	--	--	--	--	1.1	<.050	<.080
08...	--	--	--	--	--	--	--	--	--	--	1.2	.084	<.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													
19...	.002	<.006	.065	12.3	E10.4	E.6	99	<2	<.04	<.8	.242	1.2	220
19...	.003	<.006	.069	--	--	--	--	--	--	--	--	--	250
19...	.003	E.005	.073	--	--	--	--	--	--	--	--	--	250
APR													
21...	.007	<.006	.079	12.2	11.7	<.1	263	<2	<.04	E.8	.408	2.0	600
21...	.008	<.006	.091	--	--	--	--	--	--	--	--	--	630
21...	.009	<.006	.095	--	--	--	--	--	--	--	--	--	800
JUN													
24...	<.002	<.030	.103	11.9	28.6	<.1	--	--	--	--	--	--	440
24...	<.002	<.030	.089	--	--	--	--	--	--	--	--	--	280
24...	<.002	<.02	.066	--	--	--	--	--	--	--	--	--	310
AUG													
08...	<.010	<.030	.083	12.1	33.5	<.1	--	--	--	--	--	--	260
08...	<.010	<.02	.081	--	--	--	--	--	--	--	--	--	230
08...	<.010	<.04	.081	--	--	--	--	--	--	--	--	--	270

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								
19...	.31	127	.01	3.3	.77	.4	<.16	4
19...	--	130	--	--	--	--	--	--
19...	--	131	--	--	--	--	--	--
APR								
21...	.82	141	.06	2.0	1.00	.6	<.16	6
21...	--	157	--	--	--	--	--	--
21...	--	212	--	--	--	--	--	--
JUN								
24...	--	186	--	--	--	--	--	--
24...	--	141	--	--	--	--	--	--
24...	--	308	--	--	--	--	--	--
AUG								
08...	--	196	--	--	--	--	--	--
08...	--	197	--	--	--	--	--	--
08...	--	458	--	--	--	--	--	--

Remark codes used in this table:

< -- Less than.  
E -- Estimated.

Medium codes used in this table:

9 -- Surface water.

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