

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 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 unfltrd uS/cm (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)	
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)	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-phos-phate, water, fltrd, mg/L as P (00671)
OCT														
02...	1115	E50	1.0	0.50	762	4.0	47	7.2	241	23.9	38	9.71	3.27	
02...	1120	--	2.0	--	762	4.0	48	7.2	240	23.8	--	--	--	
02...	1125	--	3.5	--	762	1.9	22	6.9	245	23.7	--	--	--	
MAY														
08...	1045	88	1.0	0.80	758	6.8	76	6.8	98	20.4	27	7.04	2.39	
08...	1050	--	2.0	--	758	5.9	65	6.6	100	20.1	--	--	--	
08...	1055	--	5.0	--	758	1.1	11	6.3	98	16.5	--	--	--	
JUN														
23...	1400	62	1.0	0.40	759	8.1	100	8.6	130	25.8	32	8.32	2.71	
23...	1405	--	3.0	--	759	5.6	68	6.7	129	25.0	--	--	--	
23...	1410	--	5.0	--	759	1.1	13	6.5	127	24.1	--	--	--	
AUG														
26...	1100	50	1.0	0.70	758	4.1	53	6.2	134	28.5	33	8.59	2.90	
26...	1105	--	3.0	--	758	3.2	41	6.1	138	28.4	--	--	--	
26...	1110	--	5.0	--	758	0.3	5	6.0	158	28.0	--	--	--	
OCT														
02...	4.53	27.1	42	51	24.2	6.5	24.5	131	1.7	<0.015	<0.06	<0.002	E.004	
02...	--	--	--	--	--	--	--	--	1.4	<0.015	<0.06	<0.002	<0.007	
02...	--	--	--	--	--	--	--	--	2.0	0.052	<0.06	E.002	<0.007	
MAY														
08...	2.47	8.15	22	27	7.69	5.0	8.2	75	0.74	0.072	0.062	0.006	E.004	
08...	--	--	--	--	--	--	--	--	0.73	0.086	0.072	0.006	<0.007	
08...	--	--	--	--	--	--	--	--	0.90	0.277	0.098	0.007	E.005	
JUN														
23...	2.67	10.8	30	37	9.61	4.7	8.3	79	1.1	<0.015	<0.022	0.003	E.004	
23...	--	--	--	--	--	--	--	--	1.0	<0.015	<0.022	0.003	E.004	
23...	--	--	--	--	--	--	--	--	0.92	0.132	0.076	0.011	<0.007	
AUG														
26...	2.86	11.4	35	42	9.91	5.26	7.7	94	0.83	0.018	<0.022	<0.002	<0.007	
26...	--	--	--	--	--	--	--	--	0.92	0.107	<0.022	E.002	<0.007	
26...	--	--	--	--	--	--	--	--	1.0	0.209	<0.022	0.003	<0.007	

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

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													
02...	--	12.9	7.0	<0.1	120	<2	<0.2	<0.8	<3.4	1.5	280	<1	159
02...	--	--	--	--	--	--	--	--	--	--	220	--	141
02...	--	--	--	--	--	--	--	--	--	--	320	--	193
MAY													
08...	0.062	10.8	E14.3	<0.1	180	E1	<0.2	<0.8	<3.4	1.9	510	M	135
08...	0.060	--	--	--	--	--	--	--	--	--	540	--	157
08...	0.069	--	--	--	--	--	--	--	--	--	880	--	690
JUN													
23...	0.103	12.2	13.4	1.3	--	--	--	--	--	--	650	--	221
23...	0.108	--	--	--	--	--	--	--	--	--	700	--	230
23...	0.074	--	--	--	--	--	--	--	--	--	720	--	421
AUG													
26...	0.060	10.3	E18.1	<0.1	--	--	--	--	--	--	250	--	298
26...	0.069	--	--	--	--	--	--	--	--	--	330	--	491
26...	0.091	--	--	--	--	--	--	--	--	--	600	--	729

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						
02...	0.02	6	E1.2	<5	<0.3	E31
02...	--	--	--	--	--	--
02...	--	--	--	--	--	--
MAY						
08...	E.02	E1	<2.0	<3	<0.3	<25
08...	--	--	--	--	--	--
08...	--	--	--	--	--	--
JUN						
23...	--	--	--	--	--	--
23...	--	--	--	--	--	--
23...	--	--	--	--	--	--
AUG						
26...	--	--	--	--	--	--
26...	--	--	--	--	--	--
26...	--	--	--	--	--	--

Remark codes used in this table:
 < -- Less than
 E -- Estimated value
 M-- Presence verified, not quantified

CAPE FEAR RIVER BASIN

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