

CAPE FEAR RIVER BASIN

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

LOCATION.--Lat 35°47'55", long 79°00'22", 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 2000 TO SEPTEMBER 2001

DATE	TIME	SAM-PLING DEPTH (M) (00098)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	HARD-NESS (MG/L AS CaCO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg) (00925)
OCT													
17...	1301	1.0	168	9.0	19.0	15	754	.60	12.8	140	33	8.61	2.83
17...	1302	3.0	169	8.9	18.5	--	754	--	12.3	133	--	--	--
17...	1303	4.7	173	6.4	16.8	--	754	--	2.0	21	--	--	--
APR													
24...	1215	1.0	120	7.0	20.0	80	761	.35	8.2	90	27	7.16	2.30
24...	1220	2.3	117	6.8	18.9	--	761	--	7.0	76	--	--	--
24...	1225	4.7	116	6.5	16.2	--	761	--	3.8	38	--	--	--
JUN													
20...	0945	1.0	151	7.3	27.2	8	763	.70	7.0	88	33	8.76	2.81
20...	0950	2.5	154	7.0	26.1	--	763	--	6.0	74	--	--	--
20...	0955	4.9	174	6.6	20.7	--	763	--	.4	4	--	--	--
AUG													
22...	1100	1.0	161	8.6	28.8	<1	769	.40	8.4	108	33	8.50	2.80
22...	1105	2.5	160	8.1	28.6	--	769	--	7.4	95	--	--	--
22...	1110	4.8	168	7.0	27.9	--	769	--	1.6	20	--	--	--

DATE	SODIUM, DIS-SOLVED (MG/L AS Na) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE IT-FLD AS HCO3 (99440)	ANC WATER UNFLTRD IT FIELD (MG/L AS CaCO3) (00419)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS Cl) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
OCT													
17...	16.8	49	1	3.48	54	45	12.7	16.9	.2	6.0	106	.003	<.005
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
24...	11.6	45	1.0	2.77	--	--	12.2	11.5	.2	4.0	96	.008	.123
24...	--	--	--	--	--	--	--	--	--	--	--	.007	.107
24...	--	--	--	--	--	--	--	--	--	--	--	.008	.087
JUN													
20...	15.6	47	1	3.15	28	23	12.0	12.8	.2	2.3	108	.011	.097
20...	--	--	--	--	--	--	--	--	--	--	--	.012	.110
20...	--	--	--	--	--	--	--	--	--	--	--	.007	.103
AUG													
22...	17.0	50	1	3.70	54	48	14.0	16.0	.3	5.2	--	<.001	<.005
22...	--	--	--	--	--	--	--	--	--	--	--	<.001	<.005
22...	--	--	--	--	--	--	--	--	--	--	--	.001	<.005

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00665)	PHOS-PHORUS PHYTO-PLANK-TON DIS-SOLVED (MG/L AS P) (00671)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70954)	ALUM-INUM, TOTAL RECOV-ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO) (01037)
OCT													
17...	.004	1.0	1.0	--	.080	E.005	11.4	E.3	51	<2	<.11	<1	<2
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
24...	.037	1.0	1.1	1.2	.107	E.004	5.6	E.2	555	<2	<.11	<1	<2
24...	.123	.77	.89	1.00	.078	E.004	--	--	--	--	--	--	--
24...	.246	.84	1.1	1.2	.074	E.006	--	--	--	--	--	--	--
JUN													
20...	.037	.77	.80	.90	<.060	<.007	7.1	E.2	--	--	--	--	--
20...	.133	.73	.86	.97	<.060	<.007	--	--	--	--	--	--	--
20...	.336	.78	1.1	1.2	E.040	<.007	--	--	--	--	--	--	--
AUG													
22...	.008	1.3	1.3	--	.088	<.007	44.0	3.3	--	--	--	--	--
22...	.010	1.2	1.2	--	.083	<.007	--	--	--	--	--	--	--
22...	.010	1.1	1.1	--	.078	<.007	--	--	--	--	--	--	--

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)	TRANS-1,2-DI-CHLORO-ETHENE TOTAL (UG/L) (34546)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L) (39702)	ETHANE-HEXA-CHLORO-WATER UNFLTRD RECOVER (UG/L) (34396)	NAPHTH-ALENE TOTAL (UG/L) (34696)	BENZENE 1,2,4-TRI-CHLORO-WAT UNF REC (UG/L) (34551)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	1,2-DIBROMO-ETHANE WATER WHOLE TOTAL (UG/L) (77651)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	DEETHYL-ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)
OCT 17...	--	--	--	--	--	--	--	--	--	--	--	--	--
OCT 17...	--	--	--	--	--	--	--	--	--	--	--	--	--
OCT 17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 20...	<.03	<.03	<.1	<.2	<.2	<.2	<.03	<.05	<.04	.071	E.009	E.003	<.018
JUN 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 20...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 22...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 22...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 22...	--	--	--	--	--	--	--	--	--	--	--	--	--

