

CAPE FEAR RIVER BASIN

0209719700 B. EVERETT JORDAN LAKE, HAW RIVER ARM, ABOVE B. EVERETT JORDAN DAM, NC

LOCATION.--Lat 35°39'39", long 79°04'23", Chatham County, Hydrologic Unit 03030002, 0.5 mi above B. Everett Jordan Dam, and 1.4 mi southwest of Merry Oaks.

PERIOD OF RECORD.--Water years 1989 to current year. Prior to October 1993, published as Haw River at U.S. Highway 64 near Pittsboro (station 0209699980).

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	SAMPLING DEPTH (M) (00098)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STANDARD) (00400)	TEMPERATURE WATER (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	BAROMETRIC PRESSURE (MM OF HG) (00025)	TRANSPARENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (PERCENT) (00300)	OXYGEN, DIS-SOLVED SATURATION (MG/L) (00301)	HARDNESS TOTAL (MG/L AS CaCO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg) (00925)
OCT													
17...	1031	1.0	164	11.4	18.8	15	754	.60	10.5	114	34	8.47	3.22
17...	1032	2.0	160	10.7	18.6	--	754	--	9.1	98	--	--	--
17...	1033	3.3	292	11.5	18.3	--	754	--	9.9	107	--	--	--
APR													
26...	1200	1.0	149	7.0	18.5	20	768	.95	8.0	84	31	7.62	3.02
26...	1205	2.0	144	6.3	15.5	--	768	--	5.1	50	--	--	--
26...	1210	4.0	171	6.3	13.9	--	768	--	2.4	23	--	--	--
JUN													
19...	1100	1.0	258	7.8	27.9	20	763	.70	7.2	91	42	10.2	3.92
19...	1105	2.9	201	7.3	26.7	--	763	--	5.6	70	--	--	--
19...	1110	5.8	257	6.5	24.7	--	763	--	.7	9	--	--	--
AUG													
24...	1020	1.0	223	9.1	28.9	20	757	.30	10.1	133	35	8.70	3.17
24...	1025	2.5	217	7.5	28.9	--	757	--	5.4	71	--	--	--
24...	1030	5.2	239	7.1	27.3	--	757	--	4.4	56	--	--	--

DATE	SODIUM, DIS-SOLVED (MG/L AS Na) (00930)	SODIUM PERCENT (00932)	SODIUM ADSORPTION RATIO (00931)	POTASSIUM, DIS-SOLVED (MG/L AS K) (00935)	BICARBONATE (MG/L AS HCO3) (99440)	ANC WATER UNFLTRD IT FIELD (MG/L AS CaCO3) (00419)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUORIDE, 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)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
OCT													
17...	18.5	51	1	3.69	30	25	16.6	14.2	.3	7.0	105	.001	<.005
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
26...	14.4	47	1	3.08	38	31	15.7	12.5	E.2	6.0	90	.008	.333
26...	--	--	--	--	--	--	--	--	--	--	--	.010	.337
26...	--	--	--	--	--	--	--	--	--	--	--	.013	.363
JUN													
19...	33.8	60	2	5.19	52	42	28.5	27.4	.2	10.8	186	.010	1.02
19...	--	--	--	--	--	--	--	--	--	--	--	.016	.559
19...	--	--	--	--	--	--	--	--	--	--	--	.022	.541
AUG													
24...	27.9	60	2	4.83	49	41	23.0	21.3	.2	5.9	128	.008	.046
24...	--	--	--	--	--	--	--	--	--	--	--	.014	.146
24...	--	--	--	--	--	--	--	--	--	--	--	.034	.413

DATE	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITROGEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, TOTAL (MG/L AS N) (00600)	PHOSPHORUS, TOTAL (MG/L AS P) (00665)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70954)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
OCT													
17...	.010	1.0	1.0	--	.071	.007	3.0	<.1	72	<2	<.11	--	M
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
26...	.078	.63	.71	1.0	.079	.021	6.8	<.1	158	<2	<.11	<.14	<1
26...	.180	.56	.74	1.1	E.052	.013	--	--	--	--	--	--	--
26...	.427	.75	1.2	1.5	.147	.023	--	--	--	--	--	--	--
JUN													
19...	.007	.92	.93	1.9	.174	.125	7.9	.7	--	--	--	--	--
19...	.021	.91	.93	1.5	.117	.051	--	--	--	--	--	--	--
19...	.095	.77	.86	1.4	.092	.054	--	--	--	--	--	--	--
AUG													
24...	.008	1.5	1.5	1.6	.132	.007	40.5	1.0	--	--	--	--	--
24...	.007	1.3	1.3	1.5	.122	.015	--	--	--	--	--	--	--
24...	.064	.79	.86	1.3	.105	.042	--	--	--	--	--	--	--



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0209719700 B. EVERETT JORDAN LAKE, HAW RIVER ARM, ABOVE B. EVERETT JORDAN DAM, NC--Continued

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

DATE	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	ETHANE, 1,1,2,2 TETRA- CHLORO- WAT UNF REC (UG/L) (34516)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34536)	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)	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)
OCT													
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN													
19...	<.04	<.04	<.03	<.06	<.09	<.03	<.1	<.03	<.03	<.1	<.2	<.2	<.2
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
24...	--	--	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--	--	--

DATE	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...	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--
APR							
26...	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--
JUN							
19...	<.03	<.05	<.04	.058	.054	<.006	<.018
19...	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--
AUG							
24...	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--

