

0209801100 B. EVERETT JORDAN LAKE AT BELLS LANDING NEAR GRIFFINS CROSSROADS, NC

LOCATION.--Lat 35°43'38", long 79°02'35", Chatham County, Hydrologic Unit 03030002, at Bells Landing and 2.0 mi southeast of Griffins Crossroads.

PERIOD OF RECORD.--Water years 1991-1995, 1999 to current year.

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment. A GC/FID scan for trace organic compounds was performed on samples collected in November 1994 and May 1995. Results may be obtained from the District office in Raleigh. 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...	1401	.99	145	8.2	19.4	10	754	.60	9.2	100	29	7.26	2.65
17...	1402	3.0	145	7.4	18.6	--	754	--	8.0	86	--	--	--
17...	1403	6.2	147	6.6	18.4	--	754	--	4.0	43	--	--	--
APR													
26...	1315	1.0	140	6.7	17.5	20	768	.65	7.4	77	28	7.15	2.52
26...	1320	5.0	141	6.5	16.8	--	768	--	6.3	65	--	--	--
26...	1325	7.5	144	6.2	15.0	--	768	--	3.5	34	--	--	--
JUN													
19...	1215	1.0	154	8.1	27.5	5	763	1.10	8.4	106	29	7.14	2.66
19...	1220	3.6	152	6.7	26.8	--	763	--	3.6	45	--	--	--
19...	1225	7.4	162	6.6	24.1	--	763	--	.4	5	--	--	--
AUG													
24...	1130	1.0	140	8.6	28.5	8	757	.70	8.2	106	29	7.11	2.64
24...	1135	3.0	140	8.0	28.5	--	757	--	7.2	93	--	--	--
24...	1140	7.0	177	7.0	24.8	--	757	--	.4	5	--	--	--

DATE	SODIUM, DIS-SOLVED (MG/L AS Na) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORPTION 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...	14.3	48	1	3.15	35	28	11.3	13.4	.2	5.6	93	<.001	<.005
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
26...	14.3	49	1	3.15	33	27	14.1	13.5	.2	2.5	78	.008	.231
26...	--	--	--	--	--	--	--	--	--	--	--	.008	.226
26...	--	--	--	--	--	--	--	--	--	--	--	.012	.237
JUN													
19...	14.6	49	1	3.02	30	24	14.5	14.4	.2	1.9	110	.007	.093
19...	--	--	--	--	--	--	--	--	--	--	--	.007	.102
19...	--	--	--	--	--	--	--	--	--	--	--	.007	.113
AUG													
24...	14.6	49	1	3.29	38	31	12.2	13.6	.2	2.6	78	<.001	.008
24...	--	--	--	--	--	--	--	--	--	--	--	<.001	.006
24...	--	--	--	--	--	--	--	--	--	--	--	<.001	.005

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...	<.002	--	.83	--	E.040	<.007	7.0	<.1	36	<2	<.11	--	<1
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
26...	.135	.72	.86	1.1	E.045	E.005	14.4	E.2	257	<2	<.11	<.14	<1
26...	.110	.70	.81	1.0	E.058	<.007	--	--	--	--	--	--	--
26...	.289	.92	1.2	1.5	.133	E.004	--	--	--	--	--	--	--
JUN													
19...	.007	.59	.60	.69	<.060	<.007	4.1	.6	--	--	--	--	--
19...	.029	.60	.63	.73	<.060	<.007	--	--	--	--	--	--	--
19...	.164	.65	.81	.92	<.060	<.007	--	--	--	--	--	--	--
AUG													
24...	.004	.65	.66	.67	E.033	<.007	16.8	E.2	--	--	--	--	--
24...	.005	.69	.70	.70	E.037	<.007	--	--	--	--	--	--	--
24...	.121	.49	.62	.62	<.060	<.007	--	--	--	--	--	--	--

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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 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	.114	E.012	<.006	<.018
19...	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--
AUG							
24...	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--

