

0209799150 B. EVERETT JORDAN LAKE ABOVE U.S. HIGHWAY 64 NEAR WILSONVILLE, NC

LOCATION.--Lat 35°44'30", long 79°01'09", Chatham County, Hydrologic Unit 03030002, 0.2 mi above bridge on U.S. Highway 64, and 1.1 mi west of Wilsonville.

PERIOD OF RECORD.--Water years 1991 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 25 degC (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)
OCT													
30...	1300	30	1.0	0.40	754	4.5	47	6.9	204	16.9	31	7.60	2.83
30...	1305	--	5.0	--	754	4.5	47	6.9	204	16.8	--	--	--
30...	1310	--	9.2	--	754	4.8	49	6.9	200	16.4	--	--	--
MAY													
07...	1115	75	1.0	0.70	763	7.8	84	6.7	86	19.3	23	5.63	2.06
07...	1120	--	5.0	--	763	3.1	31	6.1	88	15.4	--	--	--
07...	1125	--	9.0	--	763	1.8	17	6.1	92	13.6	--	--	--
JUN													
25...	1000	22	1.0	1.00	760	8.5	109	8.8	109	28.3	28	7.03	2.42
25...	1005	--	5.0	--	760	1.5	18	6.4	105	23.9	--	--	--
25...	1010	--	11.0	--	760	0.2	2	6.8	143	19.9	--	--	--
AUG													
26...	1000	40	1.0	0.90	758	7.0	92	6.7	112	28.9	31	7.72	2.80
26...	1005	--	5.0	--	758	0.1	1	5.9	115	27.8	--	--	--
26...	1010	--	10.0	--	758	0.2	2	5.9	164	24.7	--	--	--

Date	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)	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-phosphate, water, fltrd, mg/L as P (00671)
OCT													
30...	4.39	22.5	36	44	19.3	5.9	18.8	108	0.62	0.034	0.63	0.011	E.004
30...	--	--	--	--	--	--	--	--	0.60	0.033	0.63	0.010	E.005
30...	--	--	--	--	--	--	--	--	0.66	0.020	0.65	0.010	<0.007
MAY													
07...	2.22	7.39	16	20	6.96	3.7	8.2	71	0.65	0.035	0.130	0.006	<0.007
07...	--	--	--	--	--	--	--	--	0.64	0.147	0.172	0.007	<0.007
07...	--	--	--	--	--	--	--	--	0.98	0.288	0.206	0.008	E.006
JUN													
25...	2.36	8.39	26	31	7.95	3.9	8.1	63	0.70	<0.015	<0.022	<0.002	E.004
25...	--	--	--	--	--	--	--	--	0.61	0.096	0.087	0.006	<0.007
25...	--	--	--	--	--	--	--	--	1.3	0.513	<0.022	E.002	0.036
AUG													
26...	2.74	9.52	32	39	8.38	4.88	6.9	82	0.69	<0.015	<0.022	<0.002	<0.007
26...	--	--	--	--	--	--	--	--	0.68	0.046	<0.022	<0.002	<0.007
26...	--	--	--	--	--	--	--	--	1.3	0.603	<0.022	<0.002	0.036

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 30...	--	8.0	4.2	<0.1	190	<2	<0.2	<0.8	<3.4	E.8	320	<1	216
OCT 30...	--	--	--	--	--	--	--	--	--	--	300	--	215
OCT 30...	--	--	--	--	--	--	--	--	--	--	540	--	270
MAY 07...	0.064	9.7	E10.0	<0.1	130	<2	<0.2	<0.8	<3.4	1.6	380	M	47.8
MAY 07...	0.054	--	--	--	--	--	--	--	--	--	520	--	182
MAY 07...	0.082	--	--	--	--	--	--	--	--	--	890	--	802
JUN 25...	0.037	10.0	7.7	0.5	--	--	--	--	--	--	190	--	66.8
JUN 25...	0.042	--	--	--	--	--	--	--	--	--	400	--	401
JUN 25...	0.28	--	--	--	--	--	--	--	--	--	5,130	--	3,340
AUG 26...	0.040	9.6	E10.3	<0.1	--	--	--	--	--	--	70	--	85.0
AUG 26...	0.047	--	--	--	--	--	--	--	--	--	110	--	376
AUG 26...	0.115	--	--	--	--	--	--	--	--	--	1,570	--	2,800

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 30...	E.01	3	<2.0	<3	<0.3	<25
OCT 30...	--	--	--	--	--	--
OCT 30...	--	--	--	--	--	--
MAY 07...	0.12	<2	<2.0	<3	<0.3	E19
MAY 07...	--	--	--	--	--	--
MAY 07...	--	--	--	--	--	--
JUN 25...	--	--	--	--	--	--
JUN 25...	--	--	--	--	--	--
JUN 25...	--	--	--	--	--	--
AUG 26...	--	--	--	--	--	--
AUG 26...	--	--	--	--	--	--
AUG 26...	--	--	--	--	--	--

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

0209799150 B. EVERETT JORDAN LAKE ABOVE U.S. HIGHWAY 64 NEAR WILSONVILLE, NC—Continued

