

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 2004 TO SEPTEMBER 2005

Date	Time	Medium code	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, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)
OCT													
19...	1045	9	18	1.0	.60	755	7.1	80	7.2	158	20.5	31	7.77
19...	1050	9	--	4.0	--	755	5.2	58	6.8	155	20.0	--	--
19...	1055	9	--	8.0	--	755	4.7	53	7.0	156	20.0	--	--
APR													
21...	1045	9	30	1.0	.90	756	9.6	101	8.3	143	17.3	30	7.27
21...	1050	9	--	4.0	--	756	4.9	48	6.7	144	14.3	--	--
21...	1055	9	--	7.0	--	756	4.9	48	6.8	147	14.3	--	--
JUN													
24...	1145	9	25	1.0	.70	763	8.5	109	8.8	164	27.8	34	8.42
24...	1150	9	--	4.0	--	763	4.1	50	7.1	161	25.0	--	--
24...	1155	9	--	8.0	--	763	.2	2	6.9	186	20.1	--	--
AUG													
08...	1445	9	15	1.0	.80	759	6.3	83	7.6	169	29.3	34	8.43
08...	1446	R	--	1.0	.80	759	6.3	83	7.6	169	29.3	--	--
08...	1447	R	--	1.0	.80	759	6.3	83	7.6	169	29.3	--	--
08...	1448	R	--	1.0	.80	759	6.3	83	7.6	169	29.3	--	--
08...	1449	R	--	1.0	.80	759	6.3	83	7.6	169	29.3	--	--
08...	1450	9	--	5.0	--	759	2.6	34	6.7	172	28.6	--	--
08...	1455	9	--	9.0	--	759	.1	1	6.5	211	21.1	--	--
Date	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfltrd, titr., mg/L as CaCO3 (00419)	Bicar-bonate, wat unfltrd, titr., mg/L (00450)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat fltrd 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)
OCT													
19...	2.89	3.52	15.9	32	39	14.3	.2	5.74	10.4	92	.84	E.005	<.016
19...	--	--	--	--	--	--	--	--	--	--	1.0	.088	E.010
19...	--	--	--	--	--	--	--	--	--	--	.92	.137	<.016
APR													
21...	2.84	3.02	15.1	29	35	14.1	.2	3.26	11.6	94	.85	.061	.091
21...	--	--	--	--	--	--	--	--	--	--	.94	.186	.108
21...	--	--	--	--	--	--	--	--	--	--	.98	.241	.123
JUN													
24...	3.19	3.21	15.1	34	42	14.4	.2	1.28	11.5	101	.68	.015	<.016
24...	--	--	--	--	--	--	--	--	--	--	.65	E.007	<.016
24...	--	--	--	--	--	--	--	--	--	--	1.3	.512	<.016
AUG													
08...	3.15	3.42	15.5	38	46	15.7	.2	2.31	11.1	98	.64	<.050	<.080
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--	--	--	.62	<.050	<.080
08...	--	--	--	--	--	--	--	--	--	--	1.9	1.25	<.080

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	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)
OCT 19...	<.002	<.006	.048	10.1	E20.3	<.1	58	<2	<.04	<.8	.186	1.2	170
19...	E.001	<.006	.062	--	--	--	--	--	--	--	--	--	350
19...	E.001	<.006	.053	--	--	--	--	--	--	--	--	--	280
APR 21...	.008	<.006	.058	10.6	8.8	<.1	81	<2	<.04	<.8	.229	1.8	160
21...	.009	<.006	.067	--	--	--	--	--	--	--	--	--	310
21...	.011	<.006	.074	--	--	--	--	--	--	--	--	--	430
JUN 24...	<.002	<.030	.036	8.5	6.2	<.1	--	--	--	--	--	--	50
24...	<.002	<.030	.037	--	--	--	--	--	--	--	--	--	70
24...	<.002	.032	.167	--	--	--	--	--	--	--	--	--	2,240
AUG 08...	<.010	<.030	.034	8.6	7.3	<.1	--	--	--	--	--	--	60
08...	--	--	--	--	4.5	<.1	--	--	--	--	--	--	--
08...	--	--	--	--	12.6	<.1	--	--	--	--	--	--	--
08...	--	--	--	--	12.4	<.1	--	--	--	--	--	--	--
08...	--	--	--	--	17.6	<.1	--	--	--	--	--	--	--
08...	<.010	<.030	.035	--	--	--	--	--	--	--	--	--	90
08...	<.010	.110	.18	--	--	--	--	--	--	--	--	--	3,650

Date	Lead, water, unfltrd recover-able, ug/L (01051)	Manganese, water, unfltrd recover-able, ug/L (01055)	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 19...	.18	129	E.01	2.8	.70	.8	<.16	4
19...	--	350	--	--	--	--	--	--
19...	--	256	--	--	--	--	--	--
APR 21...	.25	66	.09	1.6	.86	.9	<.16	2
21...	--	177	--	--	--	--	--	--
21...	--	260	--	--	--	--	--	--
JUN 24...	--	48.8	--	--	--	--	--	--
24...	--	74.1	--	--	--	--	--	--
24...	--	2,410	--	--	--	--	--	--
AUG 08...	--	101	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--
08...	--	--	--	--	--	--	--	--
08...	--	196	--	--	--	--	--	--
08...	--	3,830	--	--	--	--	--	--

Remark codes used in this table:
 < -- Less than.
 E -- Estimated.

Medium codes used in this table:
 9 -- Surface water.
 R -- Quality-control sample, surface water.

