

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

LOCATION.--Lat 35°44'29", long 79°01'10", 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 2001 TO SEPTEMBER 2002

Date	Time	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAMPLING DEPTH (M) (00098)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, SATUR-ATION (00301)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-WATER (DEG C) (00010)	HARD-NESS AS (MG/L CaCO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg) (00925)	
OCT														
25...	1200	80	1.0	.70	756	7.9	89	8.3	146	20.4	30	7.54	2.67	
25...	1205	--	2.0	--	756	7.9	88	8.2	146	20.4	--	--	--	
25...	1210	--	3.0	--	756	7.7	86	8.0	146	20.3	--	--	--	
APR														
17...	1100	25	1.0	1.10	763	8.8	98	8.3	159	20.8	30	7.59	2.65	
17...	1105	--	4.2	--	763	6.8	73	7.0	159	18.2	--	--	--	
17...	1110	--	8.5	--	763	6.8	69	6.6	162	15.6	--	--	--	
JUN														
18...	1130	25	1.0	.90	760	7.9	100	8.8	199	27.3	33	8.47	2.97	
18...	1135	--	3.0	--	760	7.4	93	8.4	198	27.0	--	--	--	
18...	1140	--	6.0	--	760	.2	2	6.9	202	21.3	--	--	--	
SEP														
03...	1045	125	1.0	.50	762	6.9	82	7.3	215	24.1	36	8.90	3.23	
03...	1050	--	4.0	--	762	5.1	60	7.0	216	23.9	--	--	--	
03...	1055	--	7.0	--	762	4.9	58	7.0	217	23.8	--	--	--	
Date		POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS Na) (00930)	ANC WATER UNFLTRD IT FIELD (MG/L AS CaCO3) (00419)	BICAR-BONATE IT-FLD (MG/L AS HCO3) (99440)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C (MG/L) (70300)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)
OCT														
25...	3.32	16.1	32	40	14.8	.2	4.2	13.2	90	<.015	.85	<.013	<.002	<.002
25...	--	--	--	--	--	--	--	--	--	<.015	.76	<.013	<.002	<.002
25...	--	--	--	--	--	--	--	--	--	<.015	.75	<.013	<.002	<.002
APR														
17...	3.61	18.7	28	34	18.0	.2	.3	16.3	94	.027	.93	.193	.006	.006
17...	--	--	--	--	--	--	--	--	--	.058	.86	.182	.006	.006
17...	--	--	--	--	--	--	--	--	--	.297	1.1	.168	.007	.007
JUN														
18...	3.96	21.6	37	45	21.6	.3	1.0	17.6	111	<.015	.86	<.013	<.002	<.002
18...	--	--	--	--	--	--	--	--	--	<.015	.83	<.013	<.002	<.002
18...	--	--	--	--	--	--	--	--	--	.292	1.1	<.013	<.002	<.002
SEP														
03...	4.43	25.5	44	54	22.5	.3	3.7	16.7	124	.088	1.3	<.013	E.002	E.002
03...	--	--	--	--	--	--	--	--	--	.228	1.4	<.013	E.002	E.002
03...	--	--	--	--	--	--	--	--	--	.243	1.3	<.013	E.002	E.002
Date		ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	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)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)
OCT														
25...	<.007	E.03	10.4	21.5	E.1	50	<2	<.1	<.8	<2.0	E.8	130	<1	<1
25...	<.007	E.04	--	--	--	--	--	--	--	--	--	140	--	--
25...	<.007	<.06	--	--	--	--	--	--	--	--	--	140	--	--
APR														
17...	<.007	E.05	8.6	E13.4	E1.1	70	<2	<.1	<.8	9.0	E1.0	110	<1	<1
17...	<.007	E.04	--	--	--	--	--	--	--	--	--	110	--	--
17...	<.007	E.05	--	--	--	--	--	--	--	--	--	340	--	--
JUN														
18...	<.007	E.05	9.7	E17.1	E.8	--	--	--	--	--	--	90	--	--
18...	<.007	E.05	--	--	--	--	--	--	--	--	--	90	--	--
18...	<.007	.08	--	--	--	--	--	--	--	--	--	940	--	--
SEP														
03...	<.007	--	9.6	41.0	<.1	--	--	--	--	--	--	190	--	--
03...	<.007	--	--	--	--	--	--	--	--	--	--	270	--	--
03...	<.007	--	--	--	--	--	--	--	--	--	--	290	--	--

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOVERABLE (UG/L AS HG) (71900)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI) (01067)	SELENIUM, TOTAL RECOVERABLE (UG/L AS SE) (01147)	SILVER, TOTAL RECOVERABLE (UG/L AS AG) (01077)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)
OCT							
25...	141	.05	E1	<2.0	<2	<.3	<20
25...	169	--	--	--	--	--	--
25...	179	--	--	--	--	--	--
APR							
17...	40.3	.02	E1	18.4	<2	<.3	<20
17...	52.2	--	--	--	--	--	--
17...	303	--	--	--	--	--	--
JUN							
18...	112	--	--	--	--	--	--
18...	119	--	--	--	--	--	--
18...	1790	--	--	--	--	--	--
SEP							
03...	525	--	--	--	--	--	--
03...	561	--	--	--	--	--	--
03...	589	--	--	--	--	--	--

Remark codes used in this report:  
 < -- Less than  
 E -- Estimated value

