

CAPE FEAR RIVER BASIN

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 2000 TO SEPTEMBER 2001

DATE	TIME	SAM-PLING DEPTH (M) (00098)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD WATER UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM- COBALT UNITS) (00080)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	TRANS-PAR-ENCY (SECCHI DISK) (M) (00078)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (MG/L) (00300)	OXYGEN, DIS-SOLVED (MG/L) (00301)	HARD-NESS (MG/L AS CaCO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS Ca) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS Mg) (00925)
OCT													
31...	1020	1.0	146	7.1	18.2	20	763	.60	7.3	77	30	7.63	2.75
31...	1021	3.0	147	7.0	18.0	--	763	--	6.8	72	--	--	--
31...	1022	7.2	148	7.0	17.8	--	763	--	7.0	73	--	--	--
APR													
24...	1330	1.0	137	6.9	18.6	50	761	.55	7.6	81	27	6.92	2.37
24...	1335	5.0	133	6.5	15.8	--	761	--	5.1	51	--	--	--
24...	1340	10.0	135	6.5	15.2	--	761	--	3.8	38	--	--	--
JUN													
20...	1130	1.0	143	7.8	27.2	5	763	.80	8.0	100	31	7.89	2.70
20...	1135	4.5	144	6.6	24.8	--	763	--	1.8	21	--	--	--
20...	1140	9.0	172	6.7	20.1	--	763	--	.5	5	--	--	--
AUG													
22...	0945	1.0	142	8.5	28.8	8	767	1.20	8.0	103	29	7.25	2.57
22...	0950	5.0	141	7.0	27.7	--	767	--	3.8	48	--	--	--
22...	0955	9.3	194	7.1	23.8	--	767	--	.4	5	--	--	--

DATE	SODIUM, DIS-SOLVED (MG/L AS Na) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE IT-FLD (MG/L AS HCO3) (99440)	ANC WATER UNFLTRD IT FIELD (MG/L AS CaCO3) (00419)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	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)	SOLIDS, RESIDUE AT 180 DEG. C (MG/L) (70300)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
OCT													
31...	15.1	49	1	3.15	36	30	11.9	13.7	.2	5.4	93	<.001	.012
31...	--	--	--	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
24...	13.6	49	1	2.90	32	26	14.1	13.9	.2	2.4	114	.008	.189
24...	--	--	--	--	--	--	--	--	--	--	--	.008	.189
24...	--	--	--	--	--	--	--	--	--	--	--	.010	.173
JUN													
20...	14.6	48	1	3.08	37	31	12.1	13.0	.2	1.9	102	.006	.115
20...	--	--	--	--	--	--	--	--	--	--	--	.005	.124
20...	--	--	--	--	--	--	--	--	--	--	--	.005	.030
AUG													
22...	14.1	48	1	3.19	40	32	12.2	13.4	.2	3.2	88	<.001	<.005
22...	--	--	--	--	--	--	--	--	--	--	--	<.001	<.005
22...	--	--	--	--	--	--	--	--	--	--	--	.001	.006

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00665)	PHOS-PHORUS PHOS-ORPHO, DIS-SOLVED (MG/L AS P) (00671)	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)
OCT													
31...	.005	.94	.95	.96	E.036	<.007	4.3	<.1	57	<2	<.11	<.1	E1
31...	--	--	--	--	--	--	--	--	--	--	--	--	--
31...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR													
24...	.032	1.0	1.0	1.2	.075	<.007	4.3	<.1	294	<2	E.05	<.1	<2
24...	.196	.52	.72	.91	E.055	E.005	--	--	--	--	--	--	--
24...	.292	.57	.86	1.0	.063	E.006	--	--	--	--	--	--	--
JUN													
20...	.012	.60	.61	.73	<.060	E.004	4.0	E.3	--	--	--	--	--
20...	.112	.52	.63	.76	<.060	<.007	--	--	--	--	--	--	--
20...	.260	.56	.82	.85	<.060	<.007	--	--	--	--	--	--	--
AUG													
22...	.009	.74	.75	--	E.045	<.007	8.9	.5	--	--	--	--	--
22...	.011	.76	.77	--	E.036	<.007	--	--	--	--	--	--	--
22...	1.37	.87	2.2	2.2	.193	.088	--	--	--	--	--	--	--



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

DATE	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)	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 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 31...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 24...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 20...	<.03	<.03	<.1	<.2	<.2	<.2	<.03	<.05	<.04	.132	E.011	<.006	<.018
AUG 22...	--	--	--	--	--	--	--	--	--	--	--	--	--

