

02096846 CANE CREEK NEAR ORANGE GROVE, NC—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1989 to current year.

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
OCT 27...	1200	.78	38	745	7.8	80	7.0	102	15.6	34	8.40	3.26	2.32
DEC 09...	1015	.30	25	755	14.6	110	7.4	85	3.0	31	7.57	2.96	1.40
FEB 24...	0915	3.5	35	750	13.4	114	7.5	80	7.3	27	6.68	2.48	.82
APR 01...	0915	30	125	741	10.8	101	7.2	82	10.9	28	6.90	2.57	1.63
JUN 22...	1230	.07	50	748	6.8	78	7.3	114	21.3	41	10.7	3.41	1.43
AUG 17...	1145	2.7	125	754	7.3	82	7.1	80	20.5	26	6.54	2.26	1.60
AUG 30...	1245	578	150	745	6.9	81	5.9	42	22.1	14	3.60	1.26	2.71

Date	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfltrd, titr., mg/L as CaCO3 (00419)	Bicarbonate, wat unfltrd, titr., mg/L (00450)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	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)	Orthophosphate, water, fltrd, mg/L as P (00671)
OCT 27...	5.71	32	39	6.69	<.2	14.8	2.1	71	.34	<.010	.186	.002	.010
DEC 09...	5.44	27	33	7.27	<.2	13.0	3.4	65	.19	<.010	.417	.003	<.006
FEB 24...	5.77	36	49	6.70	<.2	9.34	4.4	58	.22	E.005	.543	.004	E.005
APR 01...	5.82	26	32	6.18	<.2	10.9	3.6	70	1.1	.074	.372	.008	.013
JUN 22...	5.80	42	51	5.80	<.2	19.3	1.9	87	.39	.024	.457	.002	.029
AUG 17...	4.84	20	25	5.45	<.2	12.8	5.2	69	.53	.017	.655	.004	.022
AUG 30...	1.97	8	9	2.54	<.2	5.54	3.2	61	1.9	.089	.273	.007	.078

Date	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	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)	Mercury water, unfltrd recover-able, ug/L (71900)	Molybdenum, water, unfltrd recover-able, ug/L (01062)
OCT 27...	.052	5.7	80	<.2	<.04	<.8	.210	.9	450	.09	78	<.02	<.2
DEC 09...	.016	2.4	--	--	--	--	--	--	--	--	--	--	--
FEB 24...	.023	2.9	--	--	--	--	--	--	--	--	--	--	--
APR 01...	.125	9.3	401	<.2	<.04	<.8	.842	1.3	1,610	.64	304	<.02	<.2
JUN 22...	.088	5.6	--	--	--	--	--	--	--	--	--	--	--
AUG 17...	.081	11.0	--	--	--	--	--	--	--	--	--	--	--
AUG 30...	.46	29.3	3,470	E1	.07	2.1	5.64	7.4	6,330	5.32	738	.03	<.2

CAPE FEAR RIVER BASIN

02096846 CANE CREEK NEAR ORANGE GROVE, NC—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Nickel, water, unfltrd recover- able, ug/L (01067)	Selen- ium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover- able, ug/L (01077)	Zinc, water, unfltrd recover- able, ug/L (01092)	Sus- pended sedi- ment concen- tration mg/L (80154)
OCT 27...	.36	<.4	<.16	<2	7
DEC 09...	--	--	--	--	8
FEB 24...	--	--	--	--	5
APR 01...	.35	<.4	<.16	E1	47
JUN 22...	--	--	--	--	15
AUG 17...	--	--	--	--	14
30...	1.72	.5	<.16	22	558

Remark codes used in this table:

< -- Less than

E -- Estimated value