

02086920 FALLS LAKE AT INTERSTATE 85 NEAR REDWOOD, NC

LOCATION.--Lat 36°04'11", long 78°46'45", Durham County, Hydrologic Unit 03020201, at bridge on Interstate 85, 1.7 mi north of Redwood.

PERIOD OF RECORD.--Water years 1989 to 1995, 2005.

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment. A GC/FID scan for trace organic compounds was performed on samples collected in October 1994 and April 1995. Results may be obtained from the USGS Water Science Center, Raleigh, NC. 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)
AUG													
04...	1030	9	30	1.0	.20	757	2.1	28	7.1	240	28.9	47	11.9
04...	1035	9	--	2.0	--	757	1.4	18	7.0	243	28.1	--	--
04...	1040	9	--	4.0	--	757	.1	2	7.0	271	27.0	--	--

Date	Magnesium, 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 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)
AUG													
04...	4.14	4.09	22.7	52	63	22.9	.3	8.59	10.0	138	1.2	E.007	<.016
04...	--	--	--	--	--	--	--	--	--	--	1.1	.136	<.016
04...	--	--	--	--	--	--	--	--	--	--	1.5	.540	<.016

Date	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Chloro-phyll a phyto-plank- ton, fluoro, ug/L (70953)	Chloro-phyll b phyto-plank- ton, fluoro, ug/L (70954)	Iron, water, unfltrd recover-able, ug/L (01045)	Mangan-ese, water, unfltrd recover-able, ug/L (01055)
AUG								
04...	<.002	<.02	.17	12.7	35.9	4.3	1,780	852
04...	<.002	<.02	.17	--	--	--	1,990	1,090
04...	<.002	<.02	.21	--	--	--	2,430	2,070

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

Medium codes used in this table:
 9 -- Surface water

