

0208718195 FALLS LAKE ABOVE DAM AT FALLS, NC

LOCATION.--Lat 35°56'29", long 78°35'01", Wake County, Hydrologic Unit 03020201, 0.05 mi above dam, 0.5 mi northwest of Falls.

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 May 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 un-f 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													
02...	1200	9	12	1.0	1.70	758	6.0	80	7.4	107	29.8	25	5.37
02...	1205	9	--	4.0	--	758	4.6	61	7.0	108	29.5	--	--
02...	1210	9	--	8.0	--	758	.2	2	6.6	130	21.6	--	--

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat un-f incrm. titr., mg/L as CaCO3 (00419)	Bicar-bonate, wat un-f incrm. 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													
02...	2.79	2.25	7.88	22	27	8.15	.1	5.05	8.4	60	.40	E.005	<.016
02...	--	--	--	--	--	--	--	--	--	--	.43	E.006	<.016
02...	--	--	--	--	--	--	--	--	--	--	.53	.053	<.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								
02...	E.001	<.006	.021	6.3	3.3	<.1	40	45.0
02...	E.001	<.006	.020	--	--	--	100	114
02...	E.001	<.006	.034	--	--	--	1,010	1,550

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

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

