



Water-Data Report 2009

02087701 LAKE BENSON AT DAM NEAR GARNER, NC

Neuse Basin
Upper Neuse Subbasin

LOCATION.--Lat 35°39'45", long 78°36'41" referenced to North American Datum of 1983, Wake County, NC, Hydrologic Unit 03020201, at dam, 1.5 mi below Reedy Branch, 3.3 mi south of Garner.

DRAINAGE AREA.--66.30 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1990-95, 2005 to current year.

REMARKS.--Station operated to define water quality as part of a 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, chlorophyll *a*, and pheophytin *a* analyses were collected through a sampling zone equal to double the secchi disk depth using the depth-integration sampling technique. Prior to October 1, 2005, sample for chlorophyll *a* were analyzed using a high-performance liquid chromatography method.

