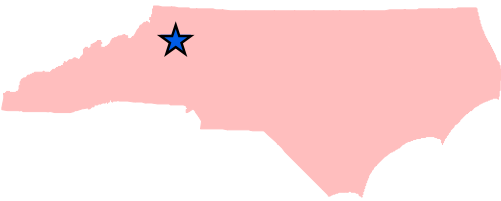


The W. Kerr Scott Dam and Reservoir (W. Kerr Scott Reservoir or the project) is located in the foothills of the Blue Ridge Mountains on the upper reaches of the Yadkin River approximately three (3) miles west of the Town of Wilkesboro, North Carolina. The project is comprised of approximately 1,475 acres of open water at normal pool elevation and an additional 2,279 acres of surrounding fee land in Wilkes County. The project is about an hour west of Winston-Salem and about 90 minutes north of Charlotte. This area is easily accessible via the principal highways in the region, including U.S. Highway 421. Secondary highways (State Highway 268) and county roads provide access to lands surrounding the reservoir.

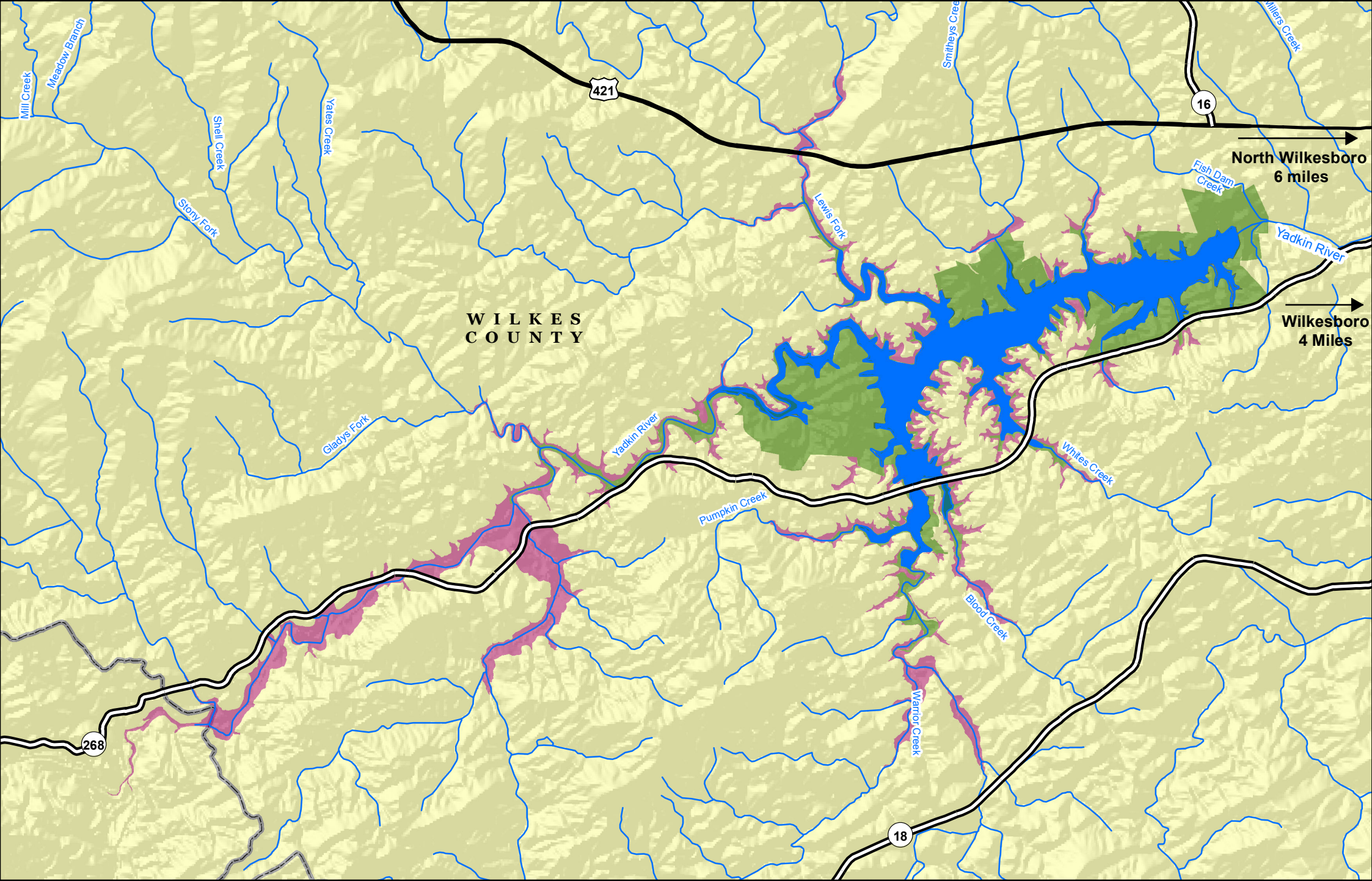
W. Kerr Scott Reservoir

Figure 1
Regional Location

- Primary Roads**
- Interstate
 - US Route
 - Yadkin River
 - Streams and Rivers
 - Waterbodies
 - W. Kerr Scott Reservoir
 - Municipal Boundary
 - County Boundary



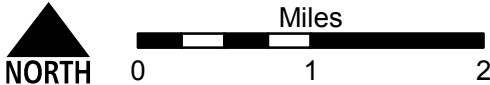
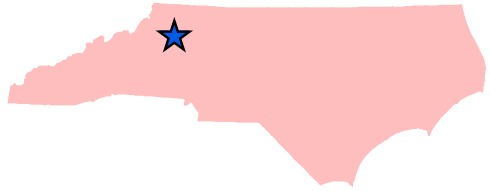
Sources: NCDOT 2006 and 2009;
NC One Map Various Dates;
TIGER 2000;
USACE 2010



W. Kerr Scott Reservoir

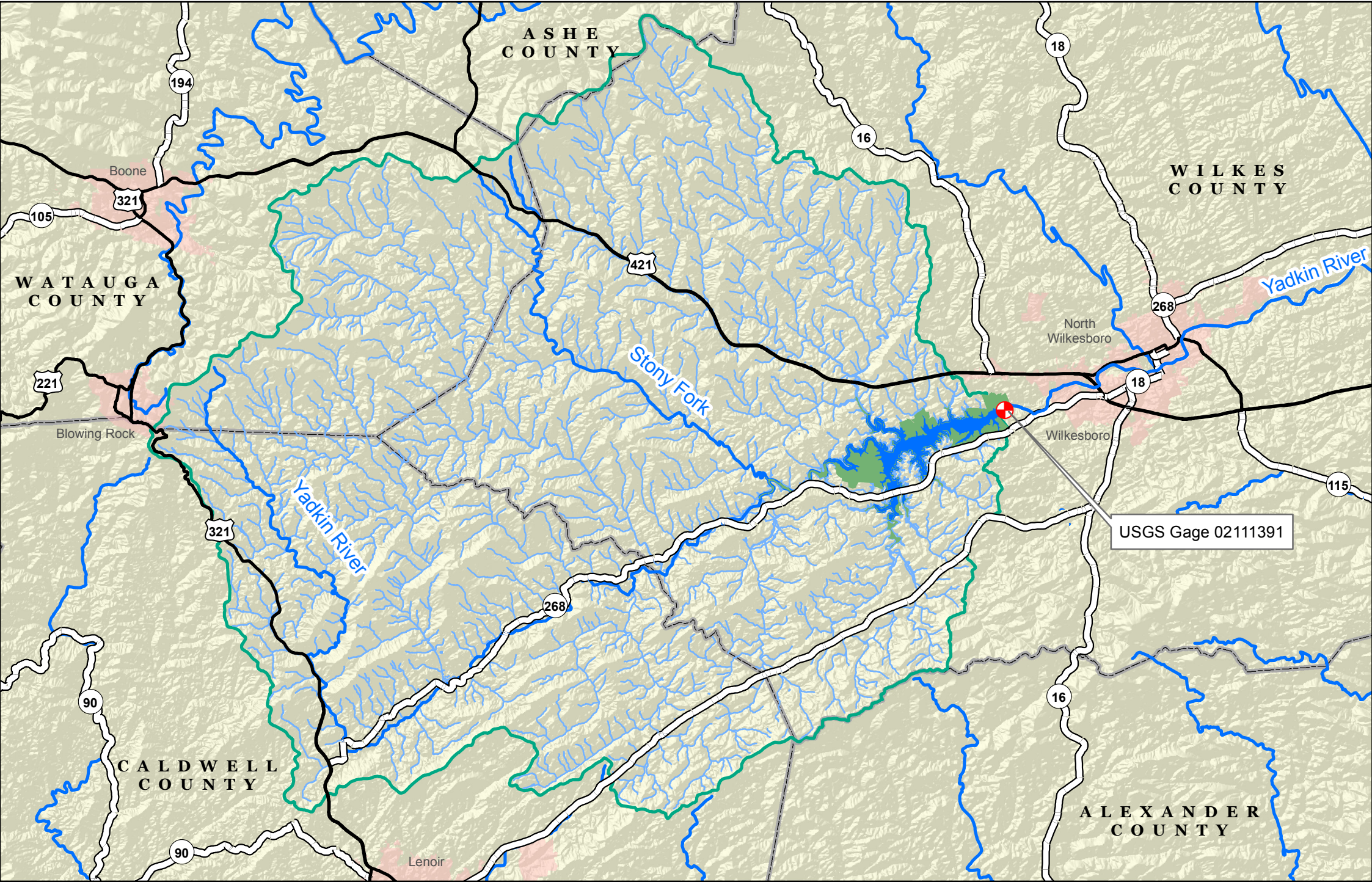
Figure 2
Project Lands

- Streams and Rivers
- US Route
- NC Route
- Project Lands
- Easement Lands
- Reservoir
- County Boundary



Sources: TIGER 2000; USDOT 2006; USACE 2010

The W. Kerr Scott Reservoir contains almost 2,300 acres of land above elevation 1,030 feet msl (top of conservation pool). Approximately 700 acres is devoted to developed public recreational use. Designated land uses within the project boundary include project operations, developed recreation, and wildlife management areas. USACE also owns flowage easements in addition to the fee owned project lands for operation of the project. Fee-owned project lands are public use, while easement lands are only available for temporary storage of flood waters.



The movement of water into, through, and out of the project lands is influenced by regional and site specific conditions, including annual and seasonal precipitation patterns and the landforms that make up the project. The amount of surface water and ground water and its ability to move through the project lands dictates current and future management of the project. One location where water level is measured is at a stream gage maintained by the U.S. Geological Survey (USGS) at the dam.



USACE Wilmington Master Plan

W. Kerr Scott Reservoir

Figure 3
Hydrology



W. Kerr Scott Dam Stream Gage

US Route

NC Route

Reservoir

Project Lands

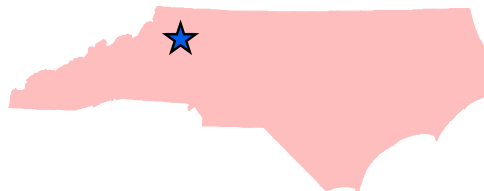
Streams and Rivers

Secondary Streams

Municipal Boundary

Watershed Boundary

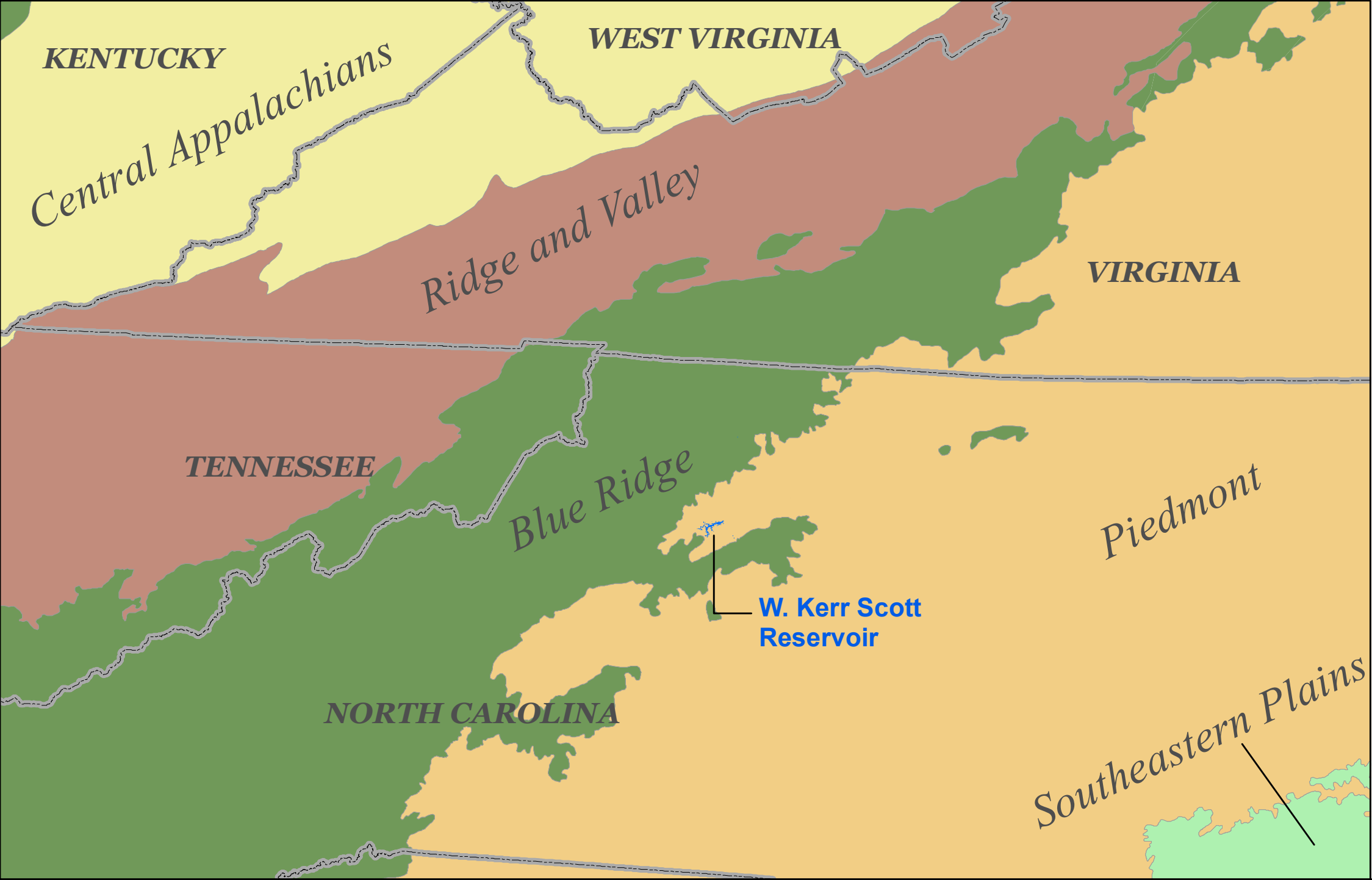
County Boundary



Miles
0 2.5 5

Sources:

NCDOT 2006; NC OneMap Various Dates;
TIGER 2000; USACE 2010

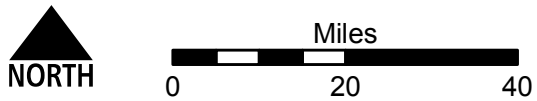
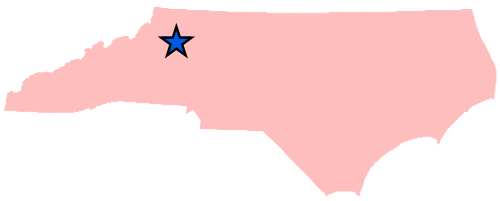


The project is located within the inner belt of the Piedmont physiographic province between the Blue Ridge and Brushy Mountain ranges. The local topography, geology, and soils have been an important influence in the development and management of W. Kerr Scott Reservoir. The relationship between these three resources dictates the type of vegetation that can succeed in a given area, the availability of ground water, susceptibility to flooding, and appropriate recreational uses.

W. Kerr Scott Reservoir

Figure 4
Physiography

- Reservoir
- State Boundary
- Ecoregions**
 - Blue Ridge
 - Central Appalachians
 - Piedmont
 - Ridge and Valley
 - Southeastern Plains



Sources:
ESRI 2000; TIGER 2000; USEPA 2003