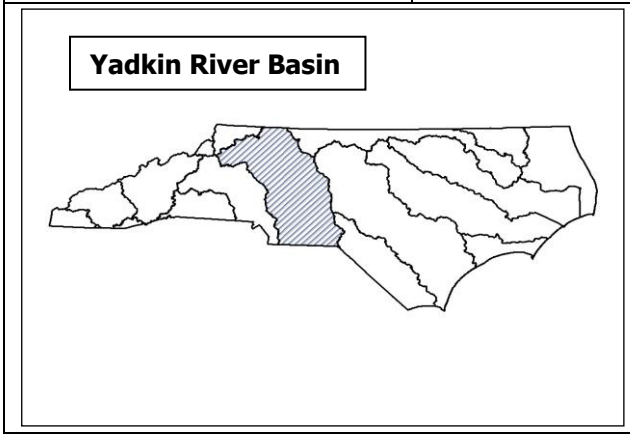
N.C. Ecosystem Enhancement Program

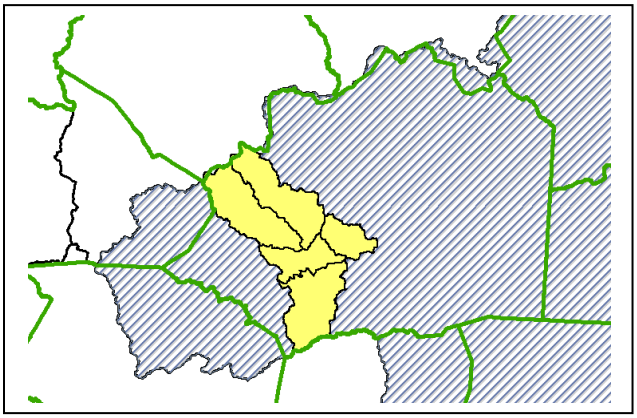
Restoring... Enhancing... Protecting Our State

KERR SCOTT RESERVOIR LOCAL WATERSHED PLAN

FACT SHEET

Location	Near Wilkesboro, NC
River Basin:	Yadkin
Cataloging Unit:	030401010
14-digit Hydrologic Units:	03040101010110, 03040101010100, 03040101010080, 03040101010090 and 03040101020010
County:	Wilkes
Watershed Area:	137 square miles
Planning Contact:	Hal Bryson (828) 450-9408 Hal.Bryson@ncdenr.gov
Participants:	Wilkes County Soil & Water Conservation District (SWCD) and Wilkes County Natural Resources and Conservation Service (NRCS)
Contractor Hired for Watershed Assessment:	Tetra Tech, Inc

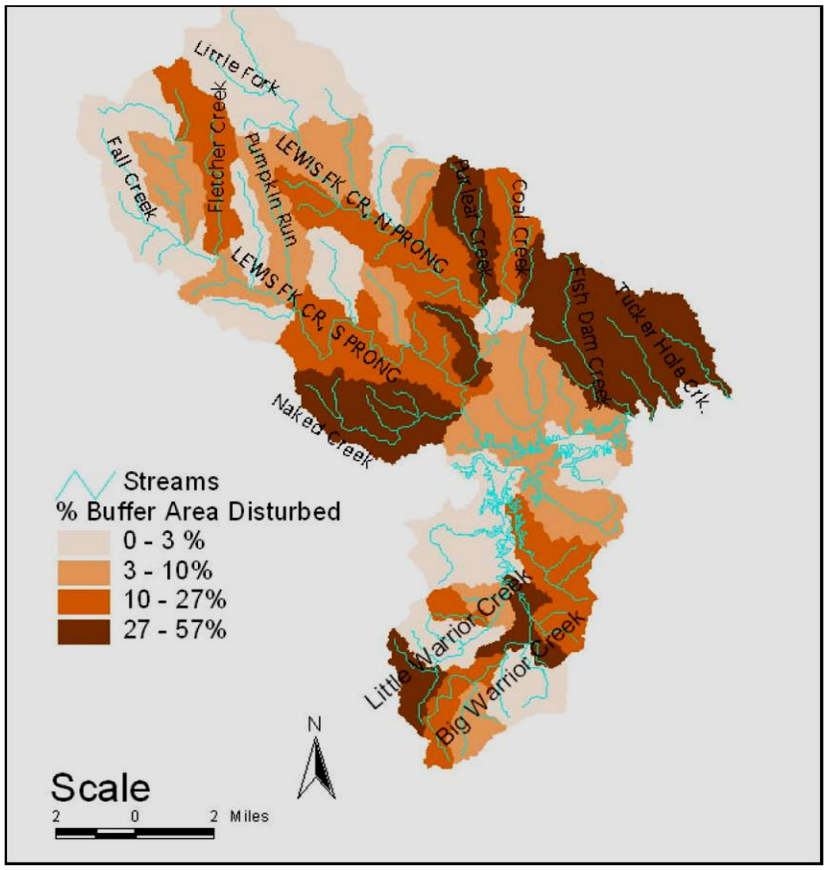




In March 2004, EEP and the Wilkes Soil and Water Conservation District (WSWCD), with the assistance of Tetra Tech, Inc., completed a comprehensive study of a portion of the W. Kerr Scott Lake Watershed in Wilkes County. This study evaluated the impact of agriculture and other land uses on water quality in streams draining to the reservoir and the Yadkin River. The study also proposed cost-effective restoration strategies that EEP, WSWCD and other resource management agencies could implement in cooperation with willing landowners to restore and protect degraded streams in the study area or other watersheds in Wilkes County and the Upper Yadkin River Basin.

The study used a number of techniques to assess existing watershed conditions including: biological monitoring, water quality monitoring, lake monitoring, stream channel and riparian buffer surveys, and watershed modeling. The study indicates that agriculture is the greatest source of nutrient and upland sediment pollution to streams and the lake. The study also suggests that stream bank erosion may contribute the most sediment to streams and the lake. The study recommends implementing pasture and cropland Best Management Practices (BMPs) in 22 high-priority areas around the lake to reduce nonpoint source pollution. The study also identifies high-priority

areas for steambank protection, stabilization and restoration to cost-effectively reduce sediment pollution. For more information about the study, contact EEP Watershed Planner **Hal Bryson** at (828) 450-9408 or EEP Project Manager **Julie Cahill** at (828) 230-5172.



W Kerr Scott Reservoir Local Watershed Plan Links

Preliminary Findings Report: Characterizes the existing watershed conditions to determine the most likely sources of nonpoint source pollution including fecal coliform bacteria, sediment, nutrients and copper.

Detailed Assessment Report: Quantifies and compares the amount of nonpoint pollution from various sources and uses this information to highlight those areas of the water most in need of restoration.

Management Report: Identifies and evaluates Best Management Practices to reduce nonpoint pollution and streambank erosion and determine the cost of implementing these practices to restore stream health. *(This is a large file and may take a while to open)*