

N.C. Ecosystem Enhancement Program

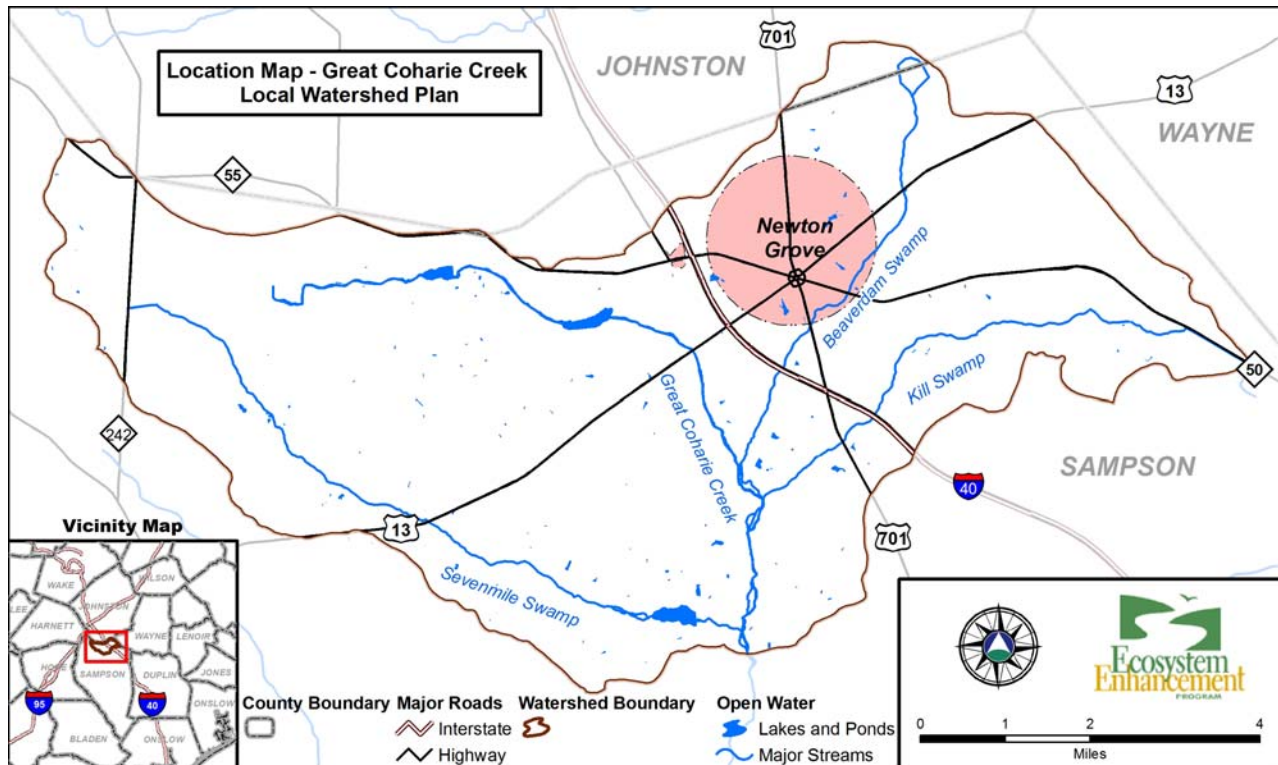


Restoring... Enhancing... Protecting Our State

Great Coharie Creek Local Watershed Plan

FACT SHEET

<p>Location</p> <p>River Basin: Middle Cape Fear</p> <p>Cataloging Unit: 03030006</p> <p>14-digit Hydrologic Units: 03030006090010, 03030006090015, 03030006090020</p> <p>Counties: Sampson, Johnston</p>	
<p>Watershed Area</p>	53 square miles
<p>Planning Contact:</p>	<p>Kristin Miguez EEP Project Manager, Eastern Region</p> <p>kristin.miguez@ncdenr.gov</p>
<p>Participants:</p>	<p>Technical Advisory Team—Sampson County Cooperative Extension, Sampson County Soil and Water, Friends of Sampson County Waterways, Mid-Carolina Council of Government, Cape Fear River Assembly, Cape Fear Arch, Town of Newton Grove</p>
<p>Contractor(s) / Consultant(s)</p>	<p>Most of the planning and field work is conducted in-house by EEP staff. GIS mapping and analysis is provided by Triangle J Council of Governments.</p>



Project Overview

The planning area is the headwaters of Great Coharie Creek, in the northern portion of Sampson County, including the Town of Newton Grove. In the planning area, the headwater of Great Coharie Creek is joined by Seven Mile Swamp, Beaverdam Swamp and Kill Swamp to form the main stem of Great Coharie Creek, where EEP has 4,850 acres of high quality preservation. This area has been designated as Significant Natural Heritage Area because it supports two populations of the Significantly Rare bluff oak (*Quercus austrina*). This site also contains extensive area of Cypress Gum Swamp natural community.

The receiving waters for Great Coharie Creek have been identified by the Natural Heritage Program as the Coharie / Six Runs Creek Aquatic Habitat which contains populations of two rare fishes, Federal and State Species of Concern broadtail madtom (*Noturus* species) and State Special Concern thinlip chub (*Cyprinella* species). There are also 3 rare freshwater mollusks: State Threatened eastern lampmussel (*Lampsilis radiata*), State Special Concern pod lance (*Elliptio folliculata*) and State Significantly Rare eastern creekshell (*Villosa delumbis*). Great Coharie Creek is classified as C Sw, which acknowledges natural characteristics of swamps such as low DO. Great Coharie Creek is impaired in the fish consumption category for mercury.

The draft *Preliminary Findings Report* is completed. The watershed assessment, including water quality monitoring, biological monitoring and project identification began in July, 2010. The watershed assessment is expected to continue through the summer of 2011.

Project Schedule

Start: January 2009

Preliminary Findings Report: December 2010

Watershed Assessment: September 2011

Watershed Management Plan: December 2011

Local Advisory Team Meeting Links

[Meeting 1 Presentation](#)

[Meeting Notes](#)

Local Watershed Plan Document Links

[Great Coharie LWP Existing Data Report](#)

Great Coharie Preliminary Findings Report

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[Report \(11MB\)](#)

[Appendix](#)

