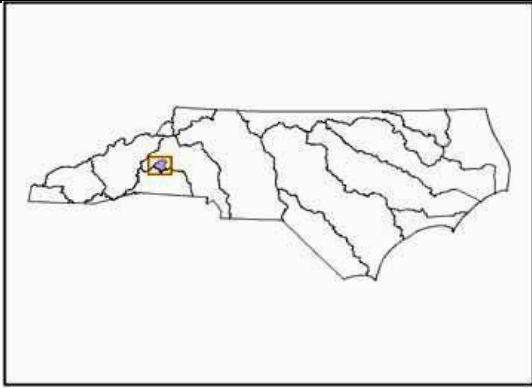
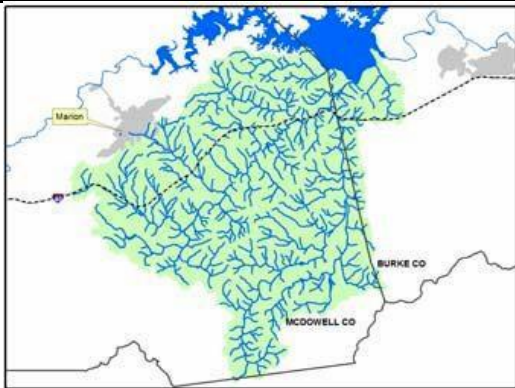


## Muddy Creek Watershed Restoration Plan Fact Sheet

<p><b><u>Location</u></b>  <b>River Basin:</b>  <b>Cataloging Unit:</b>  <b>14-digit Hydrologic Units:</b>  <b>Counties:</b></p>	<p>Catawba  0305010  03050101040010, 03050101040020, part of 03050101030060  McDowell, Burke</p>
<p><b><u>Watershed Area</u></b>  <b>Planning Contact:</b></p>	<p>111 square miles  Equinox Environmental Consultation and Design  Asheville, NC</p>
<p><b><u>Participants:</u></b></p>	<p>McDowell Co SWCD, Marion, McDowell &amp; Burke Co, NC Cooperative Extension Service, NRCS, WRC, Trout Unlimited, Duke Energy, Foothills Conservancy, Carolina Land &amp; Lakes RC&amp;D, EEP, citizens of the Muddy Creek watershed</p>
<p><b><u>Funding Sources:</u></b></p>	<p>CWMTF, National Fish &amp; Wildlife Foundation, Trout &amp; Salmon Foundation, Duke Energy, DWQ, DWR, EPA, Vulcan Materials, Trout Unlimited, WRC, EEP</p>
<div style="display: flex; justify-content: space-around;">   </div>	

### **Project Overview**

The Muddy Creek Restoration Partnership formed in 1998 to address severe sedimentation issues in the Muddy Creek watershed and its impacts on the Catawba River. Habitat degradation, high fecal coliform bacteria levels, and degraded biological communities are found throughout the watershed. A watershed restoration and feasibility study was completed in 2003, which names priority stream restoration, riparian buffer establishment, livestock exclusion, and riparian preservation areas. From 2004 to the present, efforts have focused on the outreach and recruitment of landowners into priority conservation projects. In addition, a monitoring program was developed to collect baseline data and evaluate site-specific and cumulative impacts of on-the-ground restoration. In 2007, the Corpening-Jacktown watershed improvement initiative was started to address impacts to an impaired stream draining the City of Marion. The Corpening Creek Watershed Plan was completed by Equinox in September 2011. It identifies urban stormwater runoff as a major cause of local watershed degradation.



As of 2013, over 20 miles of stream enhancement and restoration are complete. One farmland preservation project has been implemented, protecting 115 acres and one mile of stream. Several stormwater best management practices (BMPs) are either in design or installed.

Although the Ecosystem Enhancement Program (now Division of Mitigation Services, or DMS) is not formally involved in the Partnership, it has implemented priority projects identified by the Partnership since 2004. In 2008, it contracted with Equinox Environmental to develop a detailed project atlas of stream restoration and preservation projects and to perform landowner outreach for priority projects. As of 2013, DMS has 13 project sites in the ground or in development within the Muddy Creek watershed.

### **Documents**

[Feasibility Report and Restoration Plan for the Muddy Creek Watershed \(2003\)](#)

[Muddy Creek Watershed Monitoring Report \(2008\)](#)

[Muddy Creek Project Atlas \(2008\)](#)

[Corpening Creek Watershed Plan \(2011\)](#)

[Summary of Findings & Recommendations](#)

