



# CHARLOTTE LOCAL WATERSHED PLAN FACT SHEET

<p><b>Location:</b> Charlotte Area</p> <p><b>River Basin:</b> Catawba</p> <p><b>Cataloging Unit (CU):</b> 03050103 and 03050101</p> <p><b>14-digit Hydrologic Units:</b> 03050101170010, 03050101170020, 03050103020020, 03050103020030, 03050103020050, 03050103020040, and 03050103020070</p> <p><b>County:</b> Mecklenburg</p>	<p style="text-align: center;"><b>Catawba River Basin</b></p> 
<p><b>Watershed Area:</b> 176,581 acres (275 mi<sup>2</sup>)</p>	<p style="text-align: center;"><b>Charlotte Area Local Watershed Planning Effort</b></p> 
<p><b>Participants:</b> City of Charlotte and Mecklenburg County</p>	
<p><b>Contractor Hired for Watershed Assessment:</b> CH2MHill</p>	

### **Project Overview**

The Charlotte Area Local Watershed plan assessed the condition of Charlotte area watersheds by breaking down larger hydrologic units into 306 separate small catchments of one square mile or less. Within these catchments various parameters such as water quality data, estimated pollutant loading rates, land cover, and land use were evaluated, and the catchments were ranked according to the level of degradation observed. Six target catchments were selected to further analyze opportunities for watershed enhancement: two highly degraded catchments for restoration; two impacted, rapidly developing catchments for enhancement; and two healthy catchments for preservation activities.

Within the six catchments individual opportunities for restoration, enhancement, and preservation were explored. Proposed projects included traditional stream restoration projects as well as stormwater best management practices (BMP's). The projects were ranked according to their feasibility, cost, and pollutant reduction benefit. The final plan provided maps and descriptions of all the proposed projects as well as models of various pollution reduction strategies in order to estimate long-term watershed trends.

### **Project Schedule**

The project began in 2002 and was completed in August 2003.

EEP contracted with Tetra Tech, Inc. to continue Phase IV of the planning effort by providing additional project feasibility analysis and developing a flexible mitigation protocol for equating stormwater BMP's with wetland mitigation credit.

### **Documents**

[Charlotte Local Watershed Plan](#)

[Summary of Findings and Recommendations](#)

## Map of Charlotte Area Local Watershed Planning Efforts

