



Red Cedar River Watershed Planning Grant

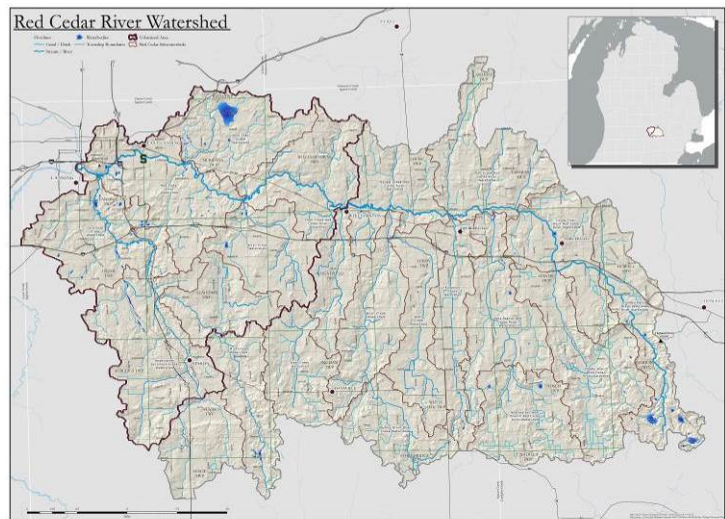
February 1, 2012 through March 31, 2015

The Red Cedar River Watershed Management Plan (WMP) represents the culmination of a two and a half year collaborative process designed to address existing and potential pollutants in the Red Cedar River. The process included data collection and analysis, an extensive watershed inventory effort and stakeholder involvement. The WMP describes the watershed and water quality issues within it, including the existing Total Maximum Daily Loads (TMDLs) that have been established for *E. coli* bacteria and dissolved oxygen. Subwatersheds within the Red Cedar are described in detail, and best management practices for addressing nonpoint sources of pollutants within subwatersheds are included as a critical component. The subwatersheds are prioritized using a scoring system to focus implementation activities in the next phase of the watershed planning process.

Grant Amount: \$ 204,300

Match Funds: \$ 118,900

Total Amount: \$ 323,200



Project Highlights

- Conducted windshield surveys and neighborhood source assessments
- Monitored *E. coli* concentrations in 2012 and 2013 at new sampling sites
- Utilized canine scent tracking and microbial source tracking analysis
- Prioritized subwatersheds for BMP implementation
- Mapped priority conservation and restoration areas
- Reviewed and made policy ordinance recommendations for 22 townships, 3 cities and 2 villages

I&E Activities:

- Hosted various meetings for stakeholders and the public
- Conducted two focus group meetings for agricultural producers and service providers
- Developed Red Cedar River Watershed project website
- Promoted river cleanup events
- Developed I/E Strategy



Partners involved:

- Clinton Conservation District
- Clinton County Drain Commissioner
- Delhi Charter Township
- City of East Lansing
- Eaton Conservation District
- Ingham Conservation District
- Ingham County Drain Commissioner
- Ingham County Health Department
- City of Lansing
- Lansing Charter Township
- Livingston County Drain Commissioner
- Livingston County Health Department
- Meridian Charter Township
- Michigan Department of Environmental Quality
- Michigan State University
- Streamside Ecological Services
- Tri-County Regional Planning Commission
- City of Williamston
- Williamstown Township



***E. coli* sampling on a tributary of the Red Cedar River. Thirteen sites were sampled over a period of four weeks in 2012. A one-day sampling event was held in 2013 at 14 sites.**



Canine scent tracking was conducted by Environmental Canine Services, LLC. Canine scent analysis was positive at eight sampling locations for human sources of bacteria.



Student volunteers pose for a picture following a Red Cedar River cleanup event. Cleanup events are held in the fall and spring of each year.



The Red Cedar River, photographed on Michigan State University's campus.