



Developing Targeting Tools for the East Branch of the Blue Earth River



Clean Water Funds: 2012

Clean Water Grant	\$37,574
Leveraged Funds*	\$9,480
Total Project Budget	\$47,054

* Leveraged Funds include required 25% local match

Project Sponsor:

Faribault Soil and Water Conservation District

Grant Period:

January 2012 — December 2014

Project Contact:

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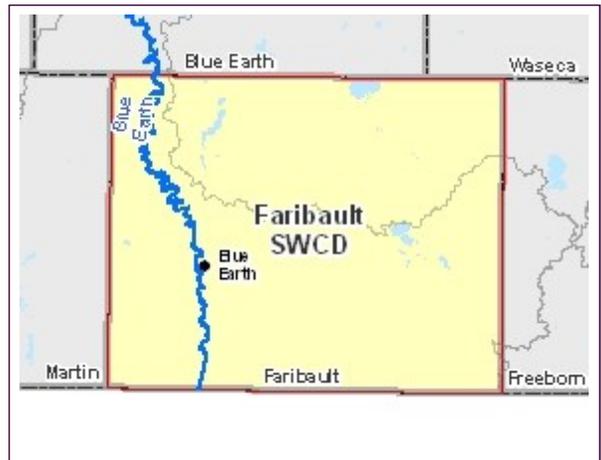
C12-50 - Accelerated Implementation

Project Narrative

The East Branch Blue Earth River is currently negatively impacted and has been shown to contribute disproportionately high sediment loads to the Minnesota River. With limited funds available for implementing conservation practices, targeting tools to pinpoint locations where conservation practices have the highest effectiveness are increasingly important.

Innovative use of technology can help streamline these targeting procedures. This project will utilize LiDAR topographic data to determine areas of high importance for conservation practice implementation on a 117 square mile subwatershed of the East

Branch Blue Earth River. Using sophisticated GIS analysis techniques, the project will create an enhanced method for alternative analysis for future conservation projects in which sites can be strategically selected to both reduce the rate of runoff as well as enhance water quality.



Proposed Outcomes:

Hydrologically Reconditioned Digital Elevation Model

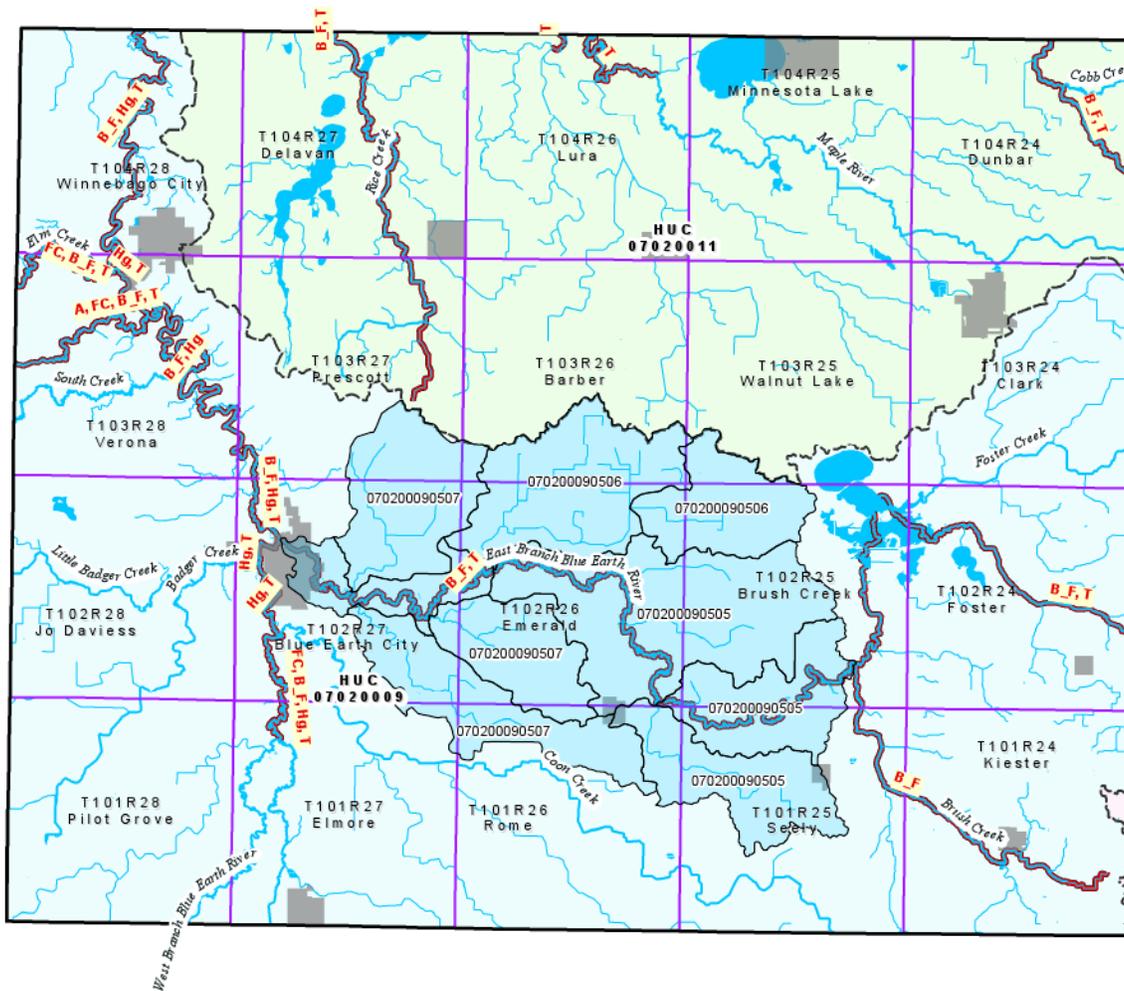
Stream Power Index, Wetness Index, and RUSLE Spatial Analysis

Development of Web-based GIS Application

Actual Outcomes:

Project in Progress

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FY 2012 BWSR
Clean Water Accelerated
Implementation Grant

Faribault County, MN

Impaired Waters,
Surface Waters &
East Branch Blue Earth River
Priority Area

12 DIGIT HUC:
070200090505,
070200090506,
070200090507



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