

Environment and Natural Resources Trust Fund 2009 Phase 2 Request for Proposals (RFP)

LCCMR ID: 084-C1

Project Title: Cooperative Invasive Species Control and Native Plant Re-establishment

Total Project Budget: \$ \$230,000

Proposed Project Time Period for the Funding Requested: July 2009 to June 2011

Other Non-State Funds: \$ \$50,000.00

Priority: C1. Aquatic and Terrestrial Invasive Species

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Last Name: Shaw

Sponsoring Organization: Board of Water and Soil Resources (BWSR)

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Region:

County Name:

City / Township:

Statewide

Summary: This project focuses on large scale control of emerging invasive species through the strengthening of Cooperative Weed Management Areas (CWMA) and the collection and dissemination of information about effective strategies.

Main Proposal: 1008-2-016-proposal-CWMA LCCMR Main Proposal.docx

Project Budget: 1008-2-016-budget-Copy of RFP_2009_Project Budget.xls

Qualifications: 1008-2-016-qualifications-Project Manager Qualifications and Organization D

Map: 1008-2-016-maps-cwma08_lt_blue.pdf

Letter of Resolution:

MAIN PROPOSAL

COOPERATIVE INVASIVE SPECIES CONTROL AND NATIVE PLANT RE-ESTABLISHMENT

Project Statement

This project focuses on strategic removal of emerging invasive species within the state by enhancing the efforts of 18 newly established Cooperative Weed Management Areas (CWMA). In 2007 a new BWSR grant program led to the establishment of new Cooperative Weed Management Areas (CWMA) in the state. CWMA are partnerships of state, federal, tribal and private landowners that focus on invasive species planning and control efforts across ownership boundaries. A primary strength of these partnerships is their ability to leverage resources and coordinate planning efforts across entire counties. As part of the BWSR program, CWMA are currently formalizing their partnerships, identifying species of concern and conducting invasive species mapping and planning. The LCCMR funding will be used to accelerate control efforts of these new partnerships while also promoting the collection and dissemination of information about effective strategies.

Description of Project Results

1) Use current CWMA planning efforts to manage invasive species and re-establish native communities after removal.

\$200,000

As new CWMA have developed their targeted approaches to invasive species control, this funding will be put to immediate use to significantly impact invasive species populations across counties. The groups will be focused on controlling emerging weeds in terrestrial and wetland communities. The funding will be used to conduct integrated control including prescribed burning, biological control, herbicide application and mechanical control. CWMA will also be focused on re-planting local sources of native plants to re-establish native plant communities after removal. This approach will help ensure long-term control and the restoration of multiple landscape functions.

CWMA will be asked to keep careful records related to their efforts including staff hours, equipment used, herbicide rates and biological control strategies. They will also be asked to conduct follow-up visits with standardized methods to determine the effectiveness of their strategies. This will allow future efforts to be adapted to increase effectiveness and the information will be passed on to others that are implementing invasive species control and re-planting strategies.

Measurable Outcomes: Acres of invasive species removal and native community re-establishment

Deliverable

Completion Date

A. 4000 acres of invasive species control/native community re-establishment completed by new CWMA. June 2011

B. Monitor and evaluate effectiveness of control and native community re-establishment efforts June 2011

3) Disseminate "What's Working" information related to invasive species removal and native community re-establishment.

\$30,000

This portion of the project will focus on summarizing and making available information about what is working related to practices, techniques and methods of invasive species control and native plant re-establishment. The information reported in activity 1 will be an important component of this effort. Information will be posted on BWSR's website and updated as new information is collected. The goal of BWSR staff is to use information submitted from CWMA regarding their management results as well as surveys and follow-up conversations to obtain information from CWMA participants, native plant vendors, agency staff and others in the field. This information will be obtained annually following each growing season. Information from conferences

and personal communications will also be included in this project. This effort will help ensure that CWMA's and other groups focused on conservation understand all of their options related to invasive species control and replanting and will help them effectively use available funding. Additional information that will be collected as part of this effort will include what is working related to running CWMA's, forming partnerships, finding additional funding, finding local seed sources and promoting restoration projects.

Another aspect of the project will involve conducting workshops across the state to increase dialog among existing CWMA's and potential new CWMA partnerships. These workshops will focus on three topics, setting up CWMA's, operating CWMA's and on-the ground control and re-establishment efforts. There will be a particular emphasis placed on the control of emerging weed threats. Members from existing CWMA's will be important/lead participants in the workshops as their experiences will be invaluable to other CWMA's.

Measurable Outcomes: Dissemination of information about successful efforts of invasive species management, native community restoration and effectively running CWMA's. Information presented to 200 workshop attendees.

Deliverable

- A. Development of "What's Working" Section of BWSR Website
- B. Annual collection and posting of "What's Working" Information
- C. Conduct 6 workshops across the state

Completion Date

- November 2009
- December 2009,2011
- July 2009 – July 2011

Project Partners

Project Partners include 18 Cooperative Weed Management Area partnerships within the state, involving 103 non-private landowner partners. An advisory team for the CWMA program will remain involved in planning and advising this program. Staff from the following agencies will be involved: Mn/Dot, USFWS, County Ag Inspectors, MnDNR, Mn Dept of Agriculture, The Nature Conservancy, University of Minnesota Extension, US Fish and Wildlife Service, Minnesota Association of Counties, Minnesota Pollution Control Agency.

Project Impact

This project will lead to large scale control of invasive species through the strengthening of CWMA partnerships within counties. In particular, populations of emerging invasive species will be controlled. Information collected through this project will significantly increasing the knowledge base related to strategies of controlling invasive species, re-establishing native plant communities and running effective CWMA's. Information will be summarized and made available that will benefit a wide range of conservation projects.

Time

The funding for this project will be spread over two years with project planning and the design of data collection methods being conducted early in the process. Field activities and data collection as well as the dissemination of information through the BWSR website and workshops will be conducted throughout the length of the project.

Long-Term Strategy

As BWSR has had significant interest for CWMA establishment funding from group in portions of the state where no CWMA's exist they plan to use their program funding for the next four years to set up new CWMA's. This LCCMR funding will allow the 18 existing groups/counties to start focused control efforts. After four years CWMA's should be distributed across the state and BWSR then plans to focus program funding on removal efforts, eliminating the need for additional LCCMR funding. This LCCMR funding will help build a base of knowledge and momentum for CWMA's within the state and greatly improve the knowledge base and effectiveness of invasive species control and native plant re-establishment efforts.

Project Budget

INSTRUCTIONS AND TEMPLATE (1 PAGE LIMIT)

(One page limit, single-sided, 10 pt. font minimum Retain the bold text and remove all instructions typed in italics. Add or delete rows as is necessary. If a category is not applicable you may write "N/A", leave it blank, or delete the row.)

IV. TOTAL PROJECT REQUEST BUDGET

BUDGET ITEM <i>(See list of Eligible & Non-Eligible Costs, p. 17)</i>	AMOUNT	% FTE
Personnel: <i>Who is getting paid to do what and what is the % of full-time employment for each position? List out by position.</i>	\$ -	%
BWSR Intern for assistance in coordinating with SWCDs and dissemination of "what's working" information	\$ 30,000	50%
	\$ -	%
Contracts: <i>With whom and for what? List out by item.</i>	\$ -	
Norman County SWCD (prescribed burning, biological control, herbicide application, mechanical control, monitoring and data collection)	\$ 10,000	
Kandiyohi County SWCD (prescribed burning, biological control, herbicide application, mechanical control, monitoring and data collection)	\$ 10,000	
Pope County SWCD (prescribed burning, biological control, herbicide application, mechanical control, monitoring and data collection)	\$ 10,000	
Red Lake County SWCD (prescribed burning, biological control, herbicide application, mechanical control, monitoring and data collection)	\$ 10,000	
Wabasha County SWCD (prescribed burning, biological control, herbicide application, mechanical control, monitoring and data collection)	\$ 10,000	
Becker County SWCD (prescribed burning, biological control, herbicide application, mechanical control, monitoring and data collection)	\$ 10,000	
Washington County SWCD (prescribed burning, biological control, herbicide application, mechanical control, monitoring and data collection)	\$ 10,000	
Wadena County SWCD (prescribed burning, biological control, herbicide application, mechanical control, monitoring and data collection)	\$ 10,000	
Wright County SWCD (prescribed burning, biological control, herbicide application, mechanical control, monitoring and data collection)	\$ 10,000	
Ramsey County SWCD (prescribed burning, biological control, herbicide application, mechanical control, monitoring and data collection)	\$ 10,000	
Martin County SWCD (prescribed burning, biological control, herbicide application, mechanical control, monitoring and data collection)	\$ 10,000	
Rice County SWCD (prescribed burning, biological control, herbicide application, mechanical control, monitoring and data collection)	\$ 10,000	
Mahnomen County SWCD (prescribed burning, biological control, herbicide application, mechanical control, monitoring and data collection)	\$ 10,000	
Steele County SWCD (prescribed burning, biological control, herbicide application, mechanical control, monitoring and data collection)	\$ 10,000	
East Polk County SWCD (prescribed burning, biological control, herbicide application, mechanical control, monitoring and data collection)	\$ 10,000	
Carlton County SWCD (prescribed burning, biological control, herbicide application, mechanical control, monitoring and data collection)	\$ 10,000	
Roseau County SWCD (prescribed burning, biological control, herbicide application, mechanical control, monitoring and data collection)	\$ 10,000	
Redwood County SWCD (prescribed burning, biological control, herbicide application, mechanical control, monitoring and data collection)	\$ 10,000	
Equipment/Tools: <i>Herbicide, Biological Controls</i>	\$ 20,000	
Acquisition (Including Easements): <i>List # of acres and who will hold title (e.g., DNR, Non-profit)</i>	\$ -	

Restoration: Approximately 4,000 acres (accomplished through contracts with SWCDs)	\$ -
Other: <i>List by item and explain.</i>	\$ -
	\$ -
TOTAL PROJECT BUDGET REQUEST TO LCCMR	\$ 230,000

V. OTHER FUNDS

SOURCE OF FUNDS	AMOUNT	Status
Remaining \$ From Previous Trust Fund Appropriation (if applicable): <i>How much Trust Fund money remains not spent or legally obligated from any previous Trust Fund appropriation for any directly related project of the proposing project, project manager, or project organization? Specify the appropriation.</i>	\$ -	<i>Unspent or Not Legally Obligated</i>
Other Non-State \$ Being Leveraged During Project Period: <i>Each SWCD would provide 25% non-state match for the funding they would receive</i>	\$50,000	<i>Pending</i>
Other State \$ Being Spent During Project Period: General Fund allocation for 2010/2011 expected to be around \$200,000	\$200,000	<i>Pending</i>
In-kind Services During Project Period: Minimum total of non-state or federal funding the would be expected to match the the \$200,000 of BWSR funding for 2010/2011	\$50,000	
Past Spending: <i>List money spent or to be spent on this specific project, cash and/or in-kind, for 2-year timeframe prior to July 1, 2009</i>	\$ -	

Project Manager Qualifications

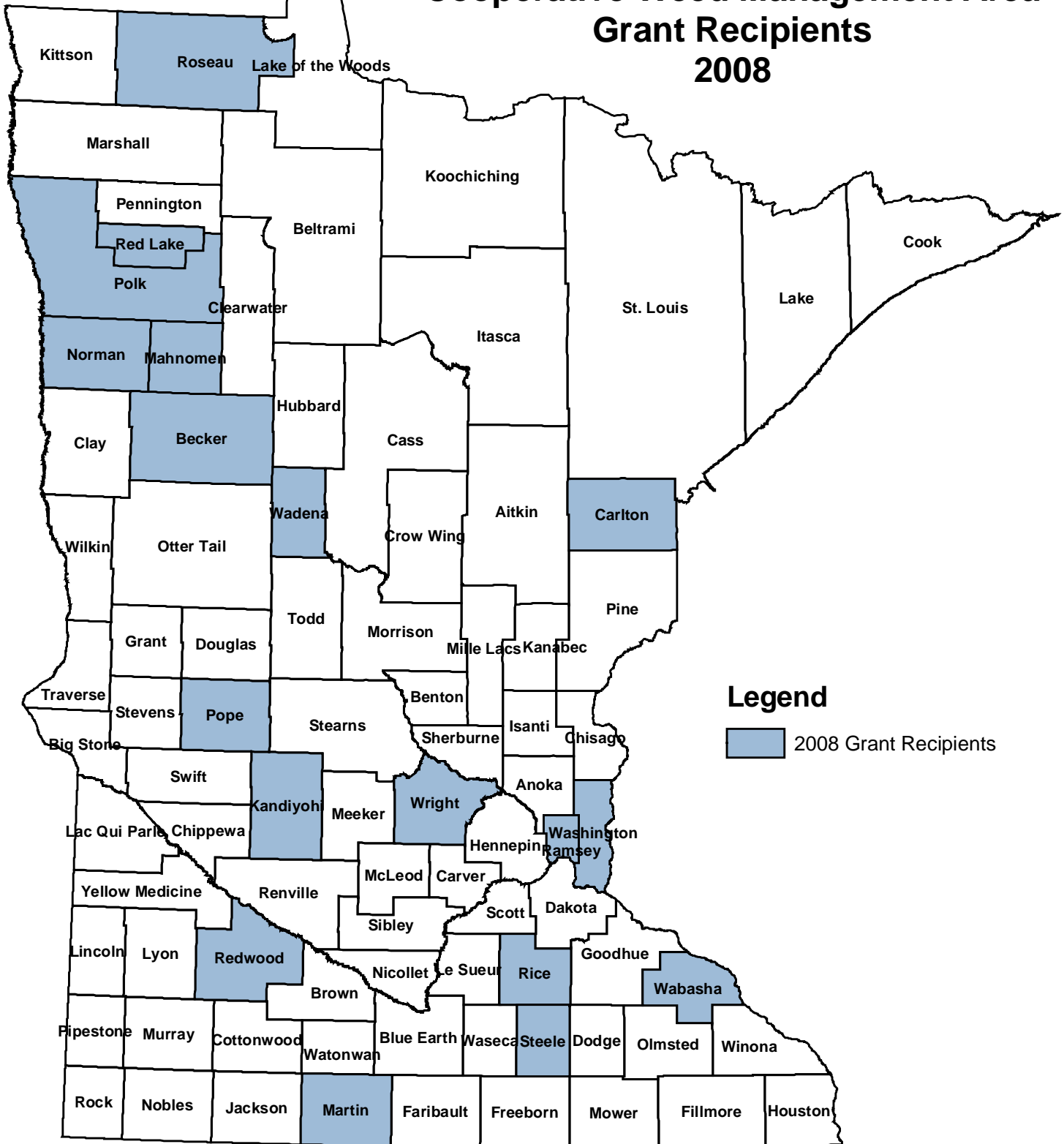
The project manager for the project will be BWSR's Vegetation Specialist/Landscape Ecologist Dan Shaw. Dan has managed many Federal, state, foundation and local grants as a non-profit Conservation Director as well as at the State of Minnesota. Dan was the project manager for the development of the BWSR Cooperative Weed Management Area Grant Program and the BWSR Native Buffer Cost-share Grant Program. Dan has been involved in agriculture, invasive species control and native community establishment as part of restoration companies, consulting companies and a non-profit organization for 20 years. Dan has also authored several publications on native vegetation establishment and management and is an adjunct assistant professor at the University of Minnesota.

Organization Description:

The Minnesota Board of Water and Soil Resources is the state's administrative agency for 91 soil and water conservation districts, 46 watershed districts, 23 metropolitan watershed management organizations, and 80 county water managers. The agency's purpose, working through local government, is to protect and enhance the state's soil and water resources by implementing the state's soil and water conservation policy, comprehensive local water management, and the Wetland Conservation Act as it relates to the 41.7 million acres of private land in Minnesota.

Because 78 percent of the state's land is held in private ownership, the agency's focus on private lands is critical for the state to attaining its goals for clean water, clean air, and abundant fish and wildlife. Managed wisely, these working lands Minnesota's farms, forests, and urban areas contribute greatly to the production of environmental goods and benefits including cleaner air and water, fish and wildlife habitat, and preservation of open spaces.

BWSR Cooperative Weed Management Area Grant Recipients 2008



Legend

2008 Grant Recipients

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