

**Environment and Natural Resources Trust Fund  
2014 Request for Proposals (RFP)**

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**Project Title:**

**ENRTF ID: 157-F**

Restoring our Lands and Waters

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**Category:** F. Methods to Protect, Restore, and Enhance Land, Water, and Habitat

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**Total Project Budget: \$** 414,000

**Proposed Project Time Period for the Funding Requested:** 3 Years, July 2014 - June 2017

**Summary:**

Great River Greening will restore/enhance 0.27 miles (0.18 Trust Fund, 0.09 match) of shoreline and 340 acres (218 Trust Fund, 122 match) of forests, wetlands, woodlands, savanna and prairie.

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**Name:** Wiley Buck

**Sponsoring Organization:** Great River Greening

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**Location**

**Region:** Metro

**County Name:** Anoka, Carver, Chisago, Dakota, Goodhue, Isanti, Ramsey, Sherburne, Washington

**City / Township:**

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_____ Funding Priorities	_____ Multiple Benefits	_____ Outcomes	_____ Knowledge Base
_____ Extent of Impact	_____ Innovation	_____ Scientific/Tech Basis	_____ Urgency
_____ Capacity Readiness	_____ Leverage	_____ Employment	_____ TOTAL _____%



**Environment and Natural Resources Trust Fund (ENRTF)**

**2014 Main Proposal**

**Project Title:** Restoring our Lands and Waters – MeCC VIII

**PROJECT TITLE: Restoring Our Lands and Waters – MeCC VIII**

**I. PROJECT STATEMENT**

Much of the remaining natural habitat within the Greater Twin Cities metropolitan area is threatened by conversion, fragmentation, invasive species, development, altered hydrology, and climate change. Restoration and management of these habitats is needed to save Minnesota's natural heritage for future generations, protect rare and declining species, protect our clean water, reconnect habitat corridors, and engage the community so that volunteers can better enjoy and understand the restoration process, all to safeguard these natural treasures through time.

We have identified new sites for restoration/enhancement projects, and expansion of opportunities into new phases of existing projects. By working with an array of local, state, federal, non-profit, and private partners, Greening will restore/enhance 218 acres and 0.18 mile of shoreline; and engage at least 300 volunteers in meaningful parts of the work. We will also restore/enhance an additional 122 acres and 0.09 mile of shoreline with leveraged funds. These projects are exemplary of our continued engagement in the Anoka Sandplain, collar counties, metropolitan core, Wild & Scenic Rivers, and metro-area demonstration of innovative restoration/enhancement techniques.

**II. DESCRIPTION OF PROJECT ACTIVITIES**

**Activity 1: Restoration and Enhancement**

**Budget: \$ 414,000**

We will restore/enhance 0.27 miles (0.18 Trust Fund, 0.09 match) of shoreline and 340 acres (218 Trust Fund, 122 match) of forests, wetlands, woodlands, savanna and prairie, through planning, control of invasive species, seeding/planting, prescribed fire, prescribed grazing, prescribed haying, establishment mowing and associated activities.

<b>Outcome</b>	<b>Completion Date</b>
1. Camp Tannadoona Prairie and Savanna Restoration	June 2017
2. Katherine Abbot Park, Forest and Savanna Enhancement	June 2017
3. Carver Park Reserve, Oak Woodland Enhancement	June 2017
4. Allemansratt Park, Forest Enhancement	June 2017
5. Trillium Nature Preserve Establishment	June 2017
6. Wild & Scenic River Restoration/Enhancement Phase III	June 2017
7. Lilydale Bluff Management Plan	June 2017
8. Accelerated Migration of Southern Ecotypes in Upland Restoration	June 2017
9. Prescribed Grazing/Haying for Upland Enhancement	June 2017
10. Ojiketa Regional Park Forest Enhancement and Shoreline Restoration	June 2017



**Environment and Natural Resources Trust Fund (ENRTF)**  
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**III. PROJECT STRATEGY**

**A. Project Team/Partners**

Project partners include South Washington Watershed District, Camp Fire Minnesota, City of Mahtomedi, Three Rivers Park District, City of Lindstrom, St. Paul Parks and Rec, Private Individuals/Trust, City of Chisago City, City of Lilydale, City of Mendota Heights, Foundations, Corporations; Minnesota DNR Wild & Scenic Rivers Program.

**B. Timeline Requirements**

Three years, ending 6/30/17.

**C. Long-Term Strategy and Future Funding Needs**

The need and opportunities for restoration in project areas will continue into the foreseeable future, especially in light of climate change, increasing development pressures, and other threats. Greening has a robust record of securing funds from a variety of funding sources to sustain this important work.

## 2014 Detailed Project Budget

**Project Title:** Restoring our Lands and Waters

### IV. TOTAL ENRTF REQUEST BUDGET 3 years

<b>BUDGET ITEM</b>	<b>AMOUNT</b>
<b>Personnel:</b>	
Project Manager / Ecologist: \$18,000 (78% salary, 22% benefit); 30% FTE.	\$ 18,000
2 Ecologists: \$28,000 (85% salary, 15% benefits); 48% FTE	\$ 28,000
Director of Conservation Programs: \$4,000 (93% salary, 7% benefits); 6% FTE.	\$ 4,000
Volunteer Manager: \$10,000 (87% salary, 13% benefits); 20% FTE.	\$ 10,000
Field Coordinator: \$16,000 (86% salary, 14% benefits); 38% FTE.	\$ 16,000
6 Restoration Technicians: \$24,000 (93% salary, 7% benefits); 78% FTE.	\$ 24,000
Director of Finance: \$8,000 (81% salary, 19% benefits); 10% FTE.	\$ 8,000
Administrative Assistant: \$2,000 (86% salary, 14% benefits). 4% FTE.	\$ 2,000
<b>Contracts:</b>	\$ -
Habitat restoration/enhancement activities including site preparation, seed installation, earthwork, invasive species control, mowing/haying, prescribed burning, watering, fencing, mowing. Vendors TBD (competitive bid with consideration to CCM):	\$ 162,500
Vegetation monitoring assistance using contracted interns and research assistants from TBD area colleges and universities.	\$ 28,000
<b>Equipment/Tools/Supplies:</b>	\$ -
Restoration tools: Purchase/repair of power tools, sprayers, personal protective equipment. Mower, ATV maintenance/repair.	\$ 6,000
Restoration supplies: Seed, plants, mulch, herbicide, fencing	\$ 90,000
<b>Travel:</b>	\$ 7,000
Mileage reimbursement	
<b>Additional Budget Items:</b>	\$ -
Sign Printing, Sign Posts	\$ 300
Volunteer Event Supplies: Large tent/table/chair/portable toilet rentals; overnight security. Purchase of granola bars/juice/water/fruits/sandwiches; pop-up tents; safety glasses, work gloves, hand tools.	\$ 10,000
Rx burn and other permit fees.	\$ 200
<b>TOTAL ENVIRONMENT AND NATURAL RESOURCES TRUST FUND \$ REQUEST =</b>	<b>\$ 414,000</b>

### V. OTHER FUNDS

<b>SOURCE OF FUNDS</b>	<b>AMOUNT</b>	<b>Status</b>
<b>Other Non-State \$ Being Applied to Project During Project Period:</b>	\$ -	
South Washington Watershed District	\$ 5,000	<i>Secured</i>
Camp Fire Minnesota, City of Mahtomedi, Three Rivers Park District, City of Lindstrom, St. Paul Parks and Rec, Private Individuals/Trust, City of Chisago City, City of Lilydale, City of Mendota Heights, Foundations, Corporations.	\$ 173,000	<i>Pending</i>
<b>Other State \$ Being Applied to Project During Project Period:</b> Outdoor Heritage Fund	\$ 60,000	<i>Pending</i>
<b>In-kind Services During Project Period:</b>	\$ 13,500	<i>Pending</i>
Camp Tannadoona: Community volunteer event and youth camper engagement		
Katherine Abbott Park: Community volunteer event		
Carver Park Reserve: Community volunteer event		
Total of 900 volunteer hours		
<b>Remaining \$ from Current ENRTF Appropriation (if applicable):</b>	\$ 120,000	<i>Unspent</i>
2011 Restoring our Lands and Waters MeCC VI: As of 1 June 2013, all obligated.		
<b>Funding History:</b>	\$ 1,158,000	
ENRTF Spending History:		
M.L. 2003 \$ 124,000; M.L. 2005 \$ 100,000; M.L. 2007 \$ 60,000; M.L. 2008 \$ 111,000; M.L. 2009 \$ 155,000; M.L. 2011 \$400,000; M.L. 2013 \$208,000 (Pending)		

**Environment and Natural Resources Trust Fund  
2014 Proposed Acquisition/Restoration List**

Project Title: Restoring Our Lands and Waters

Project Manager Name: Wiley Buck

ENRTF \$ Request: \$ 414,000

#	Acquisition or Restoration Parcel Name	Geographic Coordinates Format: [Deg.]° [Min.]' [Sec.]" [Hemis.]		County	Estimated Cost	Ecological Significance	Activity Description	# of Acres	# of Shoreline Miles	Type of Landowner	Proposed Fee Title or Easement Holder (if applicable)
		Latitude	Longitude								
1	Camp Tannadoona	44° 52' 20.2758"	-93° 35' 50.2722"	Hennepin	\$ 63,000	Large site, on Lake Minnewashta, adjacent to Lake Minnewashta Regional Park	Prairie, Savanna and Wetland restoration; full mgmt plan on 80 acres	22		Non-profit organization	n/a
2	Katherine Abbot Park	45° 2' 36.9528"	-92° 57' 50.0328"	Wash.	\$ 53,000	Site with mosaic of habitats	Forest and Savanna Enhancement	20		Public	n/a
3	Carver Park Reserve	44° 52' 37.5672"	-93° 42' 10.0692"	Carver	\$ 158,000	Site with mosaic of habitats	Oak Woodland Enhancement	67		Public	n/a
4	Allemansratt Park	45° 24' 5.0466"	-92° 50' 28.6836"	Chisago	\$ 13,000	Site with mosaic of habitats	Forest Enhancement	8		Public	n/a
5	Trillium Nature Preserve Establishment	44° 58' 20.2836"	-93° 5' 31.9236"	Ramsey	\$ 11,000	Ecological corridor to connect Trout Brook Greenway and Miss. R.	Establishment of 2014 Restoration	6		Public	n/a
6	Wild & Scenic Rivers, Rum and Cannon	TBD	TBD	Anoka, Isanti, Sherburne, Goodhue, Dakota	\$ 21,000	Wild and scenic river with high density of rare features	Upland restoration and enhancement	7		Private Ind./Trust	n/a
7	Lilydale Bluffs	44° 54' 37.44"	-93° 7' 32.4978"	Dakota	\$ 42,000	Mississippi River Corridor	Management plan and invasive control	6		Public	n/a
8	Accelerated Migration	TBD	TBD	TBD	\$ 11,000	Planting(s) with southern and/or harsh conditions ecotype of in-range species and/or expand range of southern MN species such as black oak, shagbark hickory	Incorporation into one of the other projects, with data collection and analysis.	incl.		TBD	n/a
9	Prescribed Grazing/Haying, at a) Central Corridor; and b) Pilot Knob Hill	a) 44° 51' 45.7236" b) 44° 52' 49.4466"	a) -92° 54' 33.8436" b) -93° 9' 57.5994"	a) Wash. b) Dakota	\$ 21,000	Enhance plant diversity and create mosaic of wildlife structure	a) Rx haying with data collection and analysis b) Rx horse and/or goat grazing/browsing with data collection and analysis	50		Public	n/a
10	Ojiketa Regional Park	45° 20' 35.5236"	-92° 53' 4.5522"	Chisago	\$ 21,000	Maple basswood forest along Green lake	Green Lake shoreline restoration and enhancement of adjacent bluffland forest	33	0.18	Public	n/a
NOTES: Estimated match of \$238,000											

# Restoring Our Lands and Waters

## MeCC VIII Project Sites Overall



0 4.5 9 18 27  
Miles





## Organization Description

The nonprofit Great River Greening leads and promotes community based restoration of natural areas and open spaces. Our team of experienced ecologists and landscape ecologists bring multiple years' combined experience managing native habitats, conducting natural resource inventories, fundraising for restoration projects on public lands, and engaging over 20,000 volunteers.

We have a regional reputation at all levels of community and government. For example the Department of Natural Resources (DNR) has come to us for numerous partnerships: management for the Eagle Creek Aquatic Management Area (AMA) adjacent to private housing, the landowner incentive program for the Franconia – Scandia corridor, and restoration of Afton State Park, to name only a few. We are also a member of the Metro Conservation Corridors, a government-nonprofit collaboration of ten partners that has legislative funding for metro area protection and management.

## Project Highlights

- Flint Hills Resources, Rosemount – This ongoing project is designed to restore and reconstruct prairie, savanna and oak woodland areas on the 700-acre Flint Hills property. It is part of the larger Pine Bend Bluffs Natural Area, which has been identified by the DNR County Biological Survey as a site of high statewide biological significance. Greening continues to work with Flint Hills employee and community volunteers to implement the management plan designed by the DNR.
- Mounds Park Bluffs, Saint Paul – This ongoing project is located near culturally significant Native American burial mounds. The Bluffs, which overlook the Mississippi River and downtown Saint Paul, are also heavily used for their scenic value. The restorative design focuses on reducing erosion without obstructing the view, invasive species abatement and periodic prescribed burns.
- Pilot Knob, Mendota – Overlooking the Minnesota Valley and Fort Snelling, the site is widely recognized for its historical and cultural significance. Greening, in collaboration with Mdewakanton Dakota, City of Mendota and other partners are restoring oak savanna and prairie to this 24-acre site. In a 'top tier' township for SGCN needs and opportunities, this site is also being managed for non-game birds and native snakes.
- Pond-Dakota Mission Park, Bloomington - The site of historic Oak Grove Mission and the 1856 Gideon and Agnes Pond House, this historically important site is situated along and overlooks the Minnesota Valley NWR. Restoration of oak savanna and mesic woodland is occurring at the site over the next two years.

## Project Manager

**Wiley Buck, Restoration Ecologist** (M.S., Wildlife Conservation, University of Minnesota) is responsible for project development and management, particularly for multi-year restoration projects such as Metro Conservation Corridors, a cooperative effort for protection and acquisition in priority areas of the metro, Landowner Incentive Program for St. Croix Corridor, and Bucks and Buckthorn, a youth hunter and ecological education project (completed). Wiley gained his restoration expertise through his experience with McHenry County Conservation District, The Nature Conservancy, Chicago Wilderness, and the Minnesota DNR's Scientific and Natural Areas Program (SNA).

