



Environment and Natural Resources Trust Fund (ENRTF) M.L. 2013 Work Plan

Date of Status Update Report: 10/02/2012

Date of Next Status Update Report: 02/01/2014

Date of Work Plan Approval: 06/11/2013

Project Completion Date: 06/30/2016

Is this an amendment request? N

PROJECT TITLE: Restoring Our Lands and Waters

Project Manager: Wiley Buck

Affiliation: Great River Greening

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Location: Anoka, Chisago, Dakota, Goodhue, Hennepin, Isanti, Ramsey, Scott, Sherburne, Washington,

Total ENRTF Project Budget:	ENRTF Appropriation:	\$208,000
	Amount Spent:	\$0
	Balance:	\$208,000

Legal Citation: M.L. 2013, Chp. 52, Sec. 2, Subd. 04d2.3

Appropriation Language:

\$2,000,000 the first year is from the trust fund for the acceleration of agency programs and cooperative agreements. Of this appropriation, \$10,000 is to the commissioner of natural resources for agency programs and \$1,990,000 is to the commissioner of natural resources for agreements as follows: \$304,000 with Friends of the Mississippi River; \$368,000 with Dakota County; \$208,000 with Great River Greening; \$310,000 with Minnesota Land Trust; \$400,000 with Minnesota Valley National Wildlife Refuge Trust, Inc.; and \$400,000 with the Trust for Public Land for planning, restoring, and protecting priority natural areas in the metropolitan area, as defined under Minnesota Statutes, section 473.121, subdivision 2, and portions of the surrounding counties, through contracted services, technical assistance, conservation easements, and fee title acquisition. Land acquired with this appropriation must be sufficiently improved to meet at least minimum management standards, as determined by the commissioner of natural resources. Expenditures are limited to the identified project corridor areas as defined in the work plan. This appropriation may not be used for the purchase of habitable residential structures, unless expressly approved in the work plan. All conservation easements must be perpetual and have a natural resource management plan. Any land acquired in fee title by the commissioner of natural resources with money from this appropriation must be designated as an outdoor recreation unit under Minnesota Statutes, section 86A.07. The commissioner may similarly designate any lands acquired in less than fee title. A list of proposed restorations and fee title and easement acquisitions must be provided as part of the required work plan. Lands that would require payments in lieu of taxes under Minnesota Statutes, section 97A.061 or 477A.12, shall not be acquired with money from this appropriation. Up to \$54,000 is for use by Minnesota Land Trust in a monitoring and enforcement fund as approved in the work plan and subject to subdivision 16. An entity that acquires a conservation easement with appropriations from the trust fund must have a long-term stewardship plan for the easement and a fund established for monitoring and enforcing the agreement. Money appropriated from the trust fund for easement acquisition may be used to establish a monitoring, management, and enforcement fund as approved in the work plan. An annual financial report is required for any monitoring, management, and enforcement fund established, including expenditures from the fund. This appropriation is available until June 30, 2016, by which time the project must be completed and final products delivered.

I. PROJECT TITLE: Restoring our Lands and Waters

II. 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, to safeguard these natural treasures through time.

We have identified: Four new sites for restoration/enhancement projects; new project areas/phases at three sites; four establishment projects; and a modest amount of maintenance activities to protect earlier investments. By working with an array of local, state, federal, non-profit, and private partners, Greening will restore/enhance 90 acres, and 0.18 mile of shoreline, engaging at least 100 volunteer community members in meaningful parts of the work. We will also restore/enhance an additional 40 acres and 0.08 mile of shoreline with leveraged funds. These projects are exemplary of our continued engagement in the Anoka Sandplain, collar counties, metropolitan core, and Wild & Scenic Rivers.

III. PROJECT STATUS UPDATES:

Project Status as of February 1, 2014:

Project Status as of August 1, 2014:

Project Status as of February 1, 2015:

Project Status as of August 1, 2015:

Project Status as of February 1, 2016:

IV. PROJECT ACTIVITIES AND OUTCOMES:

ACTIVITY 1:

Description: Restoration, Enhancement, and Establishment of Upland Habitats

We will restore/enhance and establish/maintain 90 acres of forests, woodlands, savanna and prairie through control of invasive species, seeding/planting, prescribed fire, establishment mowing and associated activities; and an additional 40 acres of same using matching funds.

For each site, an ecological restoration and management plan will be made that is consistent with the highest quality conservation and ecological goals for the restoration site. The plan will give consideration to factors such as soil, topography, geology, and other relevant factors that would provide for the best chance for long-term success of the restoration. The plan will include a timetable for implementing the restoration, identify long-term maintenance and management needs of the restoration and how they will be financed, take advantage of the best available science, and include innovative techniques to achieve the best restoration.

For each project, an initial restoration evaluation will be provided at the completion of the appropriation, and another evaluation three years after the completion of the expenditure. Restorations will be evaluated relative to the stated goals and standards in the restoration plan, current science, and, when applicable, the Board of Water and Soil Resources native vegetation establishment and enhancement guidelines. The evaluation shall determine whether the restoration is meeting planned goals, identify

any problems with the implementation of the restoration, and, if necessary, give recommendations on improving restorations.

Private lands will be required to have a permanent conservation/scenic easement in effect. Species lists will be based on DNR, DNR/Great River Greening, and USDA Plants Database lists. In instances when leveraged match funds exceed our goal, Greening prefers to reinvest, to a level that is justified, in the original project area to augment, improve, and accelerate the restoration of those acres, before enlarging the project boundary to begin restoration of additional acres. Consideration will be given for subcontracting with Conservation Corps Minnesota.

Summary Budget Information for Activity 1:

ENRTF Budget: \$ 147,000
Amount Spent: \$ 0
Balance: \$ 147,000

Activity Completion Date:

Outcome	Completion Date	Budget
1. 40ac Prairie and Savanna Establishment	October 30, 2014	\$ 21,000
2. 10ac Maintenance on Select Sites	June 30, 2015	\$ 5,000
2. 40ac Forest, Woodland, Savanna and Prairie Restoration/Enhancement	June 30, 2015	\$ 121,000

Activity Status as of February 1, 2014:

Activity Status as of August 1, 2014:

Activity Status as of February 1, 2015:

Activity Status as of August 1, 2015:

Activity Status as of February 1, 2016:

Final Report Summary:

ACTIVITY 2:

Description: Restoration, Enhancement, and Establishment of Shoreline and Wetland Habitats

We will restore/enhance or establish 0.18 mile of shoreline through control of invasive species, seeding/planting, and associated activities; and additional 0.08 mile with matching funds.

For each site, an ecological restoration and management plan will be made that is consistent with the highest quality conservation and ecological goals for the restoration site. The plan will give consideration to factors such as soil, topography, geology, and other relevant factors that would provide for the best chance for long-term success of the restoration. The plan will include a timetable for implementing the restoration, identify long-term maintenance and management needs of the restoration and how they will be financed, take advantage of the best available science, and include innovative techniques to achieve the best restoration.

For each project, an initial restoration evaluation will be provided at the completion of the appropriation, and another evaluation three years after the completion of the expenditure. Restorations will be evaluated relative to the stated goals and standards in the restoration plan, current science, and, when applicable, the Board of Water and Soil Resources native vegetation establishment and enhancement guidelines. The evaluation shall determine whether the restoration is meeting planned goals, identify

any problems with the implementation of the restoration, and, if necessary, give recommendations on improving restorations.

Private lands will be required to have a permanent conservation/scenic easement in effect. Species lists will be based on DNR, DNR/Great River Greening, and USDA Plants Database lists. In instances when leveraged match funds exceed our goal, Greening prefers to reinvest, to a level that is justified, in the original project area to augment, improve, and accelerate the restoration, before enlarging the project boundary to begin restoration of additional shoreline. Consideration will be given for subcontracting with Conservation Corps Minnesota as allowed under the guidelines detailed in the current 'Reimbursement Manual for Pass Through Grants Administered by the Minnesota Department of Natural Resources'.

Summary Budget Information for Activity 2:

ENRTF Budget: \$ 61,000
Amount Spent: \$ 0
Balance: \$ 61,000

Activity Completion Date:

Outcome	Completion Date	Budget
1. 0.05 mile Shoreline Establishment	October 30, 2014	\$ 9,000
2. 0.13 mile Shoreline Restoration	June 30, 2015	\$ 52,000

Activity Status as of February 1, 2014:

Activity Status as of August 1, 2014:

Activity Status as of February 1, 2015:

Activity Status as of August 1, 2015:

Activity Status as of February 1, 2016:

Final Report Summary:

V. DISSEMINATION:

Description:

Project results will be shared with active engagement of landowner partners and matching fund partners, as well as the larger Metro Corridors partnership.

Great River Greening will periodically distribute information about the program through our e-postcard, 'Volunteer Opportunities' mailings, donor mailings and communications (including newsletter and annual report), at volunteer restoration events, and through our website www.greatrivergreening.org. Volunteer event descriptions acknowledging Trust Fund contributions and qualitative results will be emailed to over 5,000 subscribers in advance of our spring and fall volunteer event seasons. Information about the Metro Conservation Corridors is on our website in the Initiatives and Volunteer Events sections at <http://www.greatrivergreening.org/> which receives over 1,200 visits per month.

Status as of February 1, 2014:

Status as of August 1, 2014:

Status as of February 1, 2015:

Status as of August 1, 2015:

Status as of February 1, 2016:

Final Report Summary:

VI. PROJECT BUDGET SUMMARY:

A. ENRTF Budget:

Budget Category	\$ Amount	Explanation
Personnel:	\$ 55,000	Project Manager / Ecologist: \$9,000 (78% salary, 22% benefit); 15% FTE. 2 Ecologists: \$14,000 (83% salary, 17% benefits); 24% FTE Director of Conservation Programs: \$2,000 (93% salary, 7% benefits); 3% FTE. Volunteer Manager: \$5,000 (87% salary, 13% benefits); 10% FTE. Field Coordinator: \$8,000 (86% salary, 14% benefits); 19% FTE. 6 Restoration Technicians: \$12,000 (93% salary, 7% benefits); 40% FTE. Director of Finance: \$4,000 (81% salary, 19% benefits); 5% FTE. Administrative Assistant: \$1,000 (83% salary, 17% benefits). 2% FTE.
Professional/Technical/Service Contracts:	\$ 95,000	TBD (competitive bid): Habitat restoration activities including site preparation, seed installation, earthwork, invasive species control, establishment mowing, prescribed burning, watering.
Equipment/Tools/Supplies:	\$ 50,000	Restoration tools: Purchase/repair of power tools, sprayers, personal protective equipment; Mower, ATV maintenance/repair. (3K) Restoration supplies: Seed, plants, mulch, herbicide, fencing (47K)
Capital Expenditures over \$3,500:	\$-0-	
Printing:	\$ 500	Trust Fund signs
Travel Expenses in MN:	\$ 3,500	POV Mileage
Other:	\$ 4,000	Volunteer Event Supplies: Large tent/table/chair/portable toilet rentals; overnight security. Purchase of granola bars/juice/water/fruits/sandwiches; small pop-up tents; safety glasses, work gloves, hand tools. Rx burn and other permit fees; NHIS database and other license fees.
TOTAL ENRTF BUDGET:	\$208,000	

Explanation of Use of Classified Staff: N/A

Explanation of Capital Expenditures Greater Than \$3,500: N/A

Number of Full-time Equivalent (FTE) funded with this ENRTF appropriation: 1.2

Number of Full-time Equivalent (FTE) estimated to be funded through contracts with this ENRTF appropriation: 2.0

B. Other Funds:

Source of Funds	\$ Amount Proposed	\$ Amount Spent	Use of Other Funds
Non-state			
Municipal	\$ 132,500	\$	Personnel, Contracts, Supplies
Municipal	\$ 10,000		In-Kind Invasive Control
Private Individuals	\$ 8,000		Personnel, Contracts, Supplies
Private Individuals	\$ 2,000		In-kind Site Prep
Federal NRCS	\$ 4,000		Contracts, Supplies
Watershed District	\$20,000		Personnel, Contracts, Supplies.
County	\$8,000		Personnel, Contracts, Supplies.
County	\$13,000		In Kind Invasive Control
State			
Outdoor Heritage Fund	\$ 82,000	\$	Trillium Nature Sanctuary (anticipated)
TOTAL OTHER FUNDS:	\$279, 500	\$	

VII. PROJECT STRATEGY:

A. Project Partners:

B. Project Impact and Long-term Strategy: 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, to safeguard these natural treasures through time.

These projects are exemplary of our continued engagement in the Anoka Sandplain, collar counties, metropolitan core, and Wild & Scenic Rivers.

C. Spending History:

Funding Source	M.L. 2007 or FY08	M.L. 2008 or FY09	M.L. 2009 or FY10	M.L. 2010 or FY11	M.L. 2011 or FY12-13
ENRTF	\$ 60,000 Subd. 4c2.3	\$ 111,000 Subd. 3(a)2.3	\$ 155,000 Subd. 4(f)2.5	-0-	\$400,000 Subd. 04i2.3
Non-State - Various	\$ 90,000	\$ 140,000	\$ 153,000		\$414,000
DNR State Parks	\$ 31,000				
DNR Shorelands					\$40,000

VIII. ACQUISITION/RESTORATION LIST:

See Acquisition/Restoration List attachment

IX. MAP(S):

See Map attachment

X. RESEARCH ADDENDUM:

XI. REPORTING REQUIREMENTS:

Periodic work plan status update reports will be submitted not later than February 1, 2014, August 1, 2014, February 1, 2015, August 1, 2015, and February 1, 2016. A final report and associated products will be submitted between June 30 and August 15, 2016 as requested by the LCCMR.

**Environment and Natural Resources Trust Fund
M.L. 2013 Acquisition/Restoration List**

Project Title: Restoring Our Lands and Water
Project Manager Name: Wiley Buck
M.L. 2013 ENRTF Appropriation: \$208,000

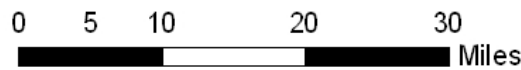
#	Acquisition or Restoration Parcel Name	Geographic Coordinates		Estimated Cost	Estimated Annual PILT Liabilities	County	Ecological Significance	Activity Description	# of Acres	# of Shoreline Miles	Type of Landowner	Proposed Fee Title or Easement Holder (if applicable)	Status
		Latitude	Longitude										
1	Trillium Nature Preserve	44.972401	-93.092003	\$ 37,000	\$ -	Ramsey	Ecological corridor to connect Trout Brook Greenway and Miss. R.	Prairie,savanna, woodland resto; forest enhancement	11		Municipal		Advanced Development; Raising other state \$ (OHF)
2	Long Pond Elk Ranch	45.508499	-93.560402	\$ 8,000	\$ -	Sherburne	Lg site w/ variety of game and non-game habitat in Rum R watershed	Prairie restoration	4		Pvt		Development
3	Pike Lake	44.750999	-93.429802	\$ 24,000	\$ -	Scott	Largely undeveloped shore, and lg blocks of upland habitat surrounding this potential FIN lake	Buckthorn removal and pr restoration	10		Municipal		Development
4	Freeman Park II	44.902699	-93.608101	\$ 25,000	\$ -	Hennepin	Forest and wetland complex in Carver Park / Lk Minnetonka area	Buckthorn removal	8		Municipal		Advanced Development
5a	Wild and Scenic Rivers II - Rum	45.4506	-93.309998	\$ 9,000	\$ -	Anoka, Isanti, Sherburne	Wild and scenic river with high density of rare features	Upland resto/enhancement	5		Public and Pvt		Development
5b	Wild and Scenic Rivers II - St. Croix	45.334301	-92.714203	\$ 8,000	\$ -	Chisago, Washington	Wild and scenic river with high density of rare features	Upland resto/enhancement	4		Public and Pvt		Development
5c	Wild and Scenic Rivers II - Cannon	44.544102	-92.779999	\$ 8,000	\$ -	Dakota, Goodhue	Wild and scenic river with high density of rare features	Upland resto/enhancement	4		Public and Pvt		Development
6	Pilot Knob Hill III	44.8811	-93.167297	\$ 2,000	\$ -	Dakota	High quality prairie in big river corridor, adj. to Ft Snelling St. Park	Prairie restoration	1		MNDOT		Development
7	Cedar Creek Conservation Area - Prairie Establishment	45.298698	-93.372902	\$ 10,000	\$ -	Anoka	Lg complex with high quality game and non-game habitat on Rum River.	Establishment mow and spot spray ≥1.5 year	20		County		Prep/Seeding/0.5yr Establishment w/ MeCCVI (2011)
8	Central Corridor Phases II and III - Prairie Establishment	44.863701	-92.908997	\$ 6,000	\$ -	Washington	Prairie, historically connected to Lost Valley Prairie SNA	Establishment mow and spot spray ≥1.5 year	12		Watershed District		Prep/Seeding/0.5yr Establishment w/ MeCCVI (2011)
9	Spring Lake Regional Park Ph III - Savanna Establishment	44.7172	-93.4767	\$ 5,000	\$ -	Scott	Lg area of high quality forest and adjacent lands.	Establishment mow and spot spray ≥1.5 year; tree maint.	10		County		Prep/Seeding/0.5yr Establishment w/ MeCCVI (2011)
10	Maintenance	TBD	TBD	\$ 5,000	\$ -	Various	Protect earlier investments at existing sites	Monitoring and various field activities.	10		Public and Pvt		Matching funds for Rx grazing for maint/enhancement at Pilot Knob Hill secured.
11	Mill Pond Shoreline Restoration	45.1968	-92.769501	\$ 52,000	\$ -	Washington	Corridor between bluffland and St Croix River	Shoreline restoration		0.13	Municipal		Development
12	Cedar Lake Farm Shoreline Restoration - Establishment	44.5765	-93.544098	\$ 9,000	\$ -	Scott	Regional Park with undeveloped shoreline	Spot invasive control, watering, plug replacement as nec.		0.05	County		Prep/Plugging/0.5yr Establishment w/ MeCCVI (2011)
NOTES:													

Attachment A: Budget Detail for M.L. 2013 Environment and Natural Resources Trust Fund Projects								
Project Title: Restoring Our Lands and Waters - MeCC VII								
Legal Citation: M.L. 2013, Chp. 52, Sec. 2, Subd. 04d2.3								
Project Manager: Wiley Buck								
M.L. 2013 ENRTF Appropriation: \$208,000								
Project Length and Completion Date: 3 years, June 30, 2016								
Date of Update: 10/02/2012 workplan								

ENVIRONMENT AND NATURAL RESOURCES TRUST FUND BUDGET	Activity 1 Budget	Amount Spent	Balance	Activity 2 Budget	Amount Spent	Balance	TOTAL BUDGET	TOTAL BALANCE
BUDGET ITEM	<i>Restoration, Enhancement, and Establishment of Upland Habitats</i>			<i>Restoration, Enhancement, and Establishment of Shoreline and Wetland Habitats</i>				
Personnel (Wages and Benefits) Overall Totals provided, with anticipated split of 65% for Activity 1 and 35% for Activity 2, with Activity and Position totals to be adjusted as nexessary for weather, match restrictions if any, and actual vs. estimated hours. Benefits subject to change with change in ins. premiums and benefits packages, and individual participation in 401k. Salaries subject to change in annual reviews.		0			0		55,000	55,000
Project Manager / Ecologist: \$9,000 (78% salary, 22% benefit); 15% FTE.								
2 Ecologists: \$14,000 (85% salary, 15% benefits); 24% FTE								
Director of Conservation Programs: \$2,000 (93% salary, 7% benefits); 3% FTE.								
Volunteer Manager: \$5,000 (87% salary, 13% benefits); 10% FTE.								
Field Coordinator: \$8,000 (86% salary, 14% benefits); 19% FTE.								
6 Restoration Technicians: \$12,000 (93% salary, 7% benefits); 40% FTE.								
Director of Finance: \$4,000 (81% salary, 19% benefits); 5% FTE.								
Administrative Assistant: \$1,000 (86%salary, 14% benefits). 2% FTE.								
Professional/Technical/Service Contracts								
TBD (competitive bid): Habitat restoration activities including site preparation, seed installation, earthwork, invasive species control, establishment mowing, prescribed burning, watering.	69,000		69,000	26,000		26,000	95,000	95,000
Equipment/Tools/Supplies								
Restoration tools: Purchase/repair of power tools, sprayers, personal protective equipment. Mower, ATV maintenance/repair.	2,000		2,000	1,000		1,000	3,000	3,000
Restoration supplies: Seed, plants, mulch, herbicide, fencing	35,000		35,000	12,000		12,000	47,000	47,000
Capital expenditures over \$3,500								
Printing Signs	500		500			0	500	500
Travel expenses in Minnesota Mileage	2,500		2,500	1,000		1,000	3,500	3,500
Other Volunteer Event Supplies: Large tent/table/chair/portable toilet rentals; overnight security. Purchase of granola bars/juice/water/fruits/sandwiches; small pop-up tents; safety glasses, work gloves.	1,800		1,800	1,800		1,800	3,600	3,600
Rx burn and other permit fees.	200		200	200		200	400	400
COLUMN TOTAL	\$111,000		\$111,000	\$42,000		\$42,000	\$208,000	\$208,000

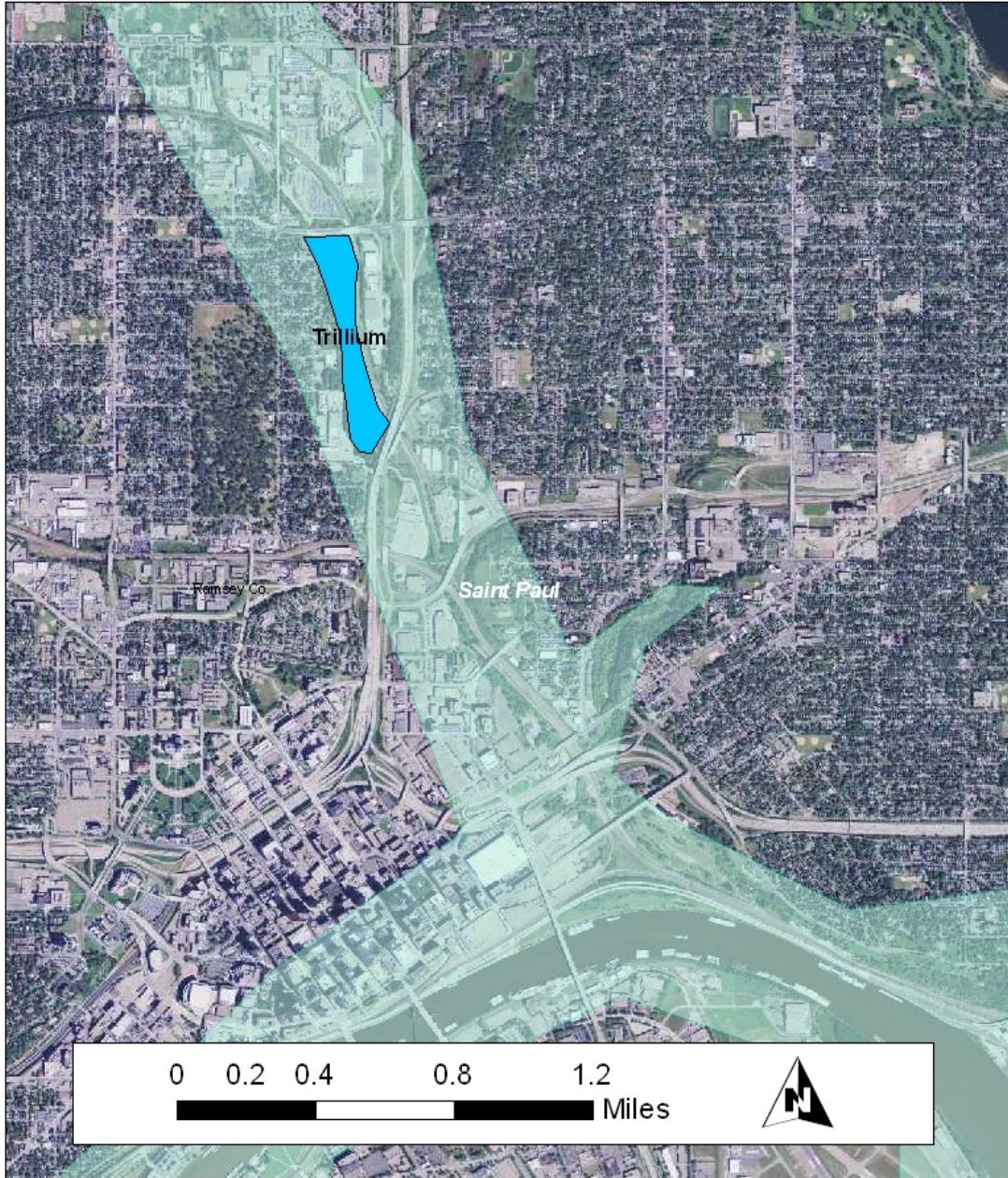


Restoring Our Lands and Waters MeCC VII Project Sites Overall





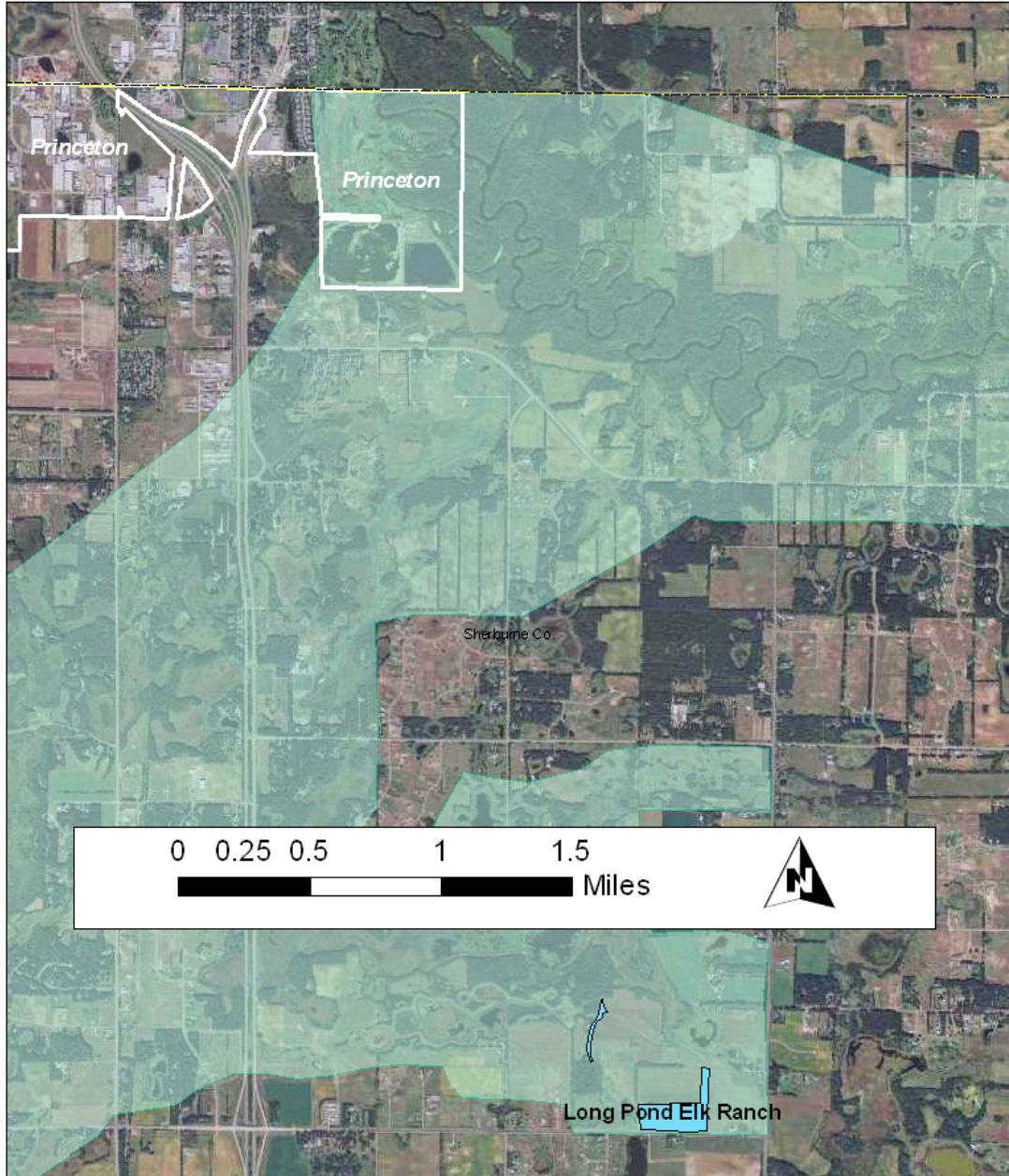
Restoring Our Lands and Waters MeCC VII Trillium Nature Preserve





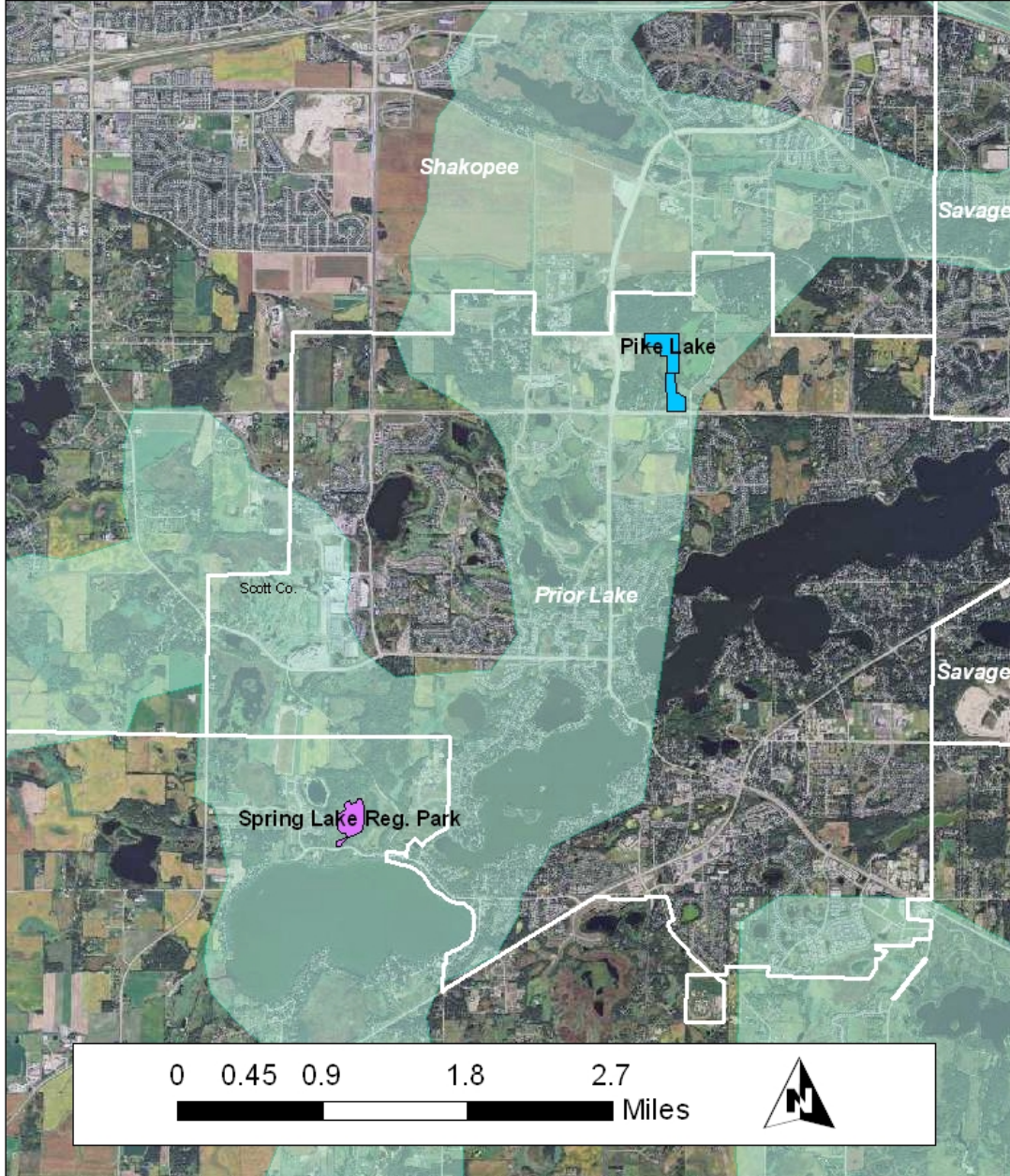
Restoring Our Lands and Waters MeCC VII

Long Pond Elk Ranch



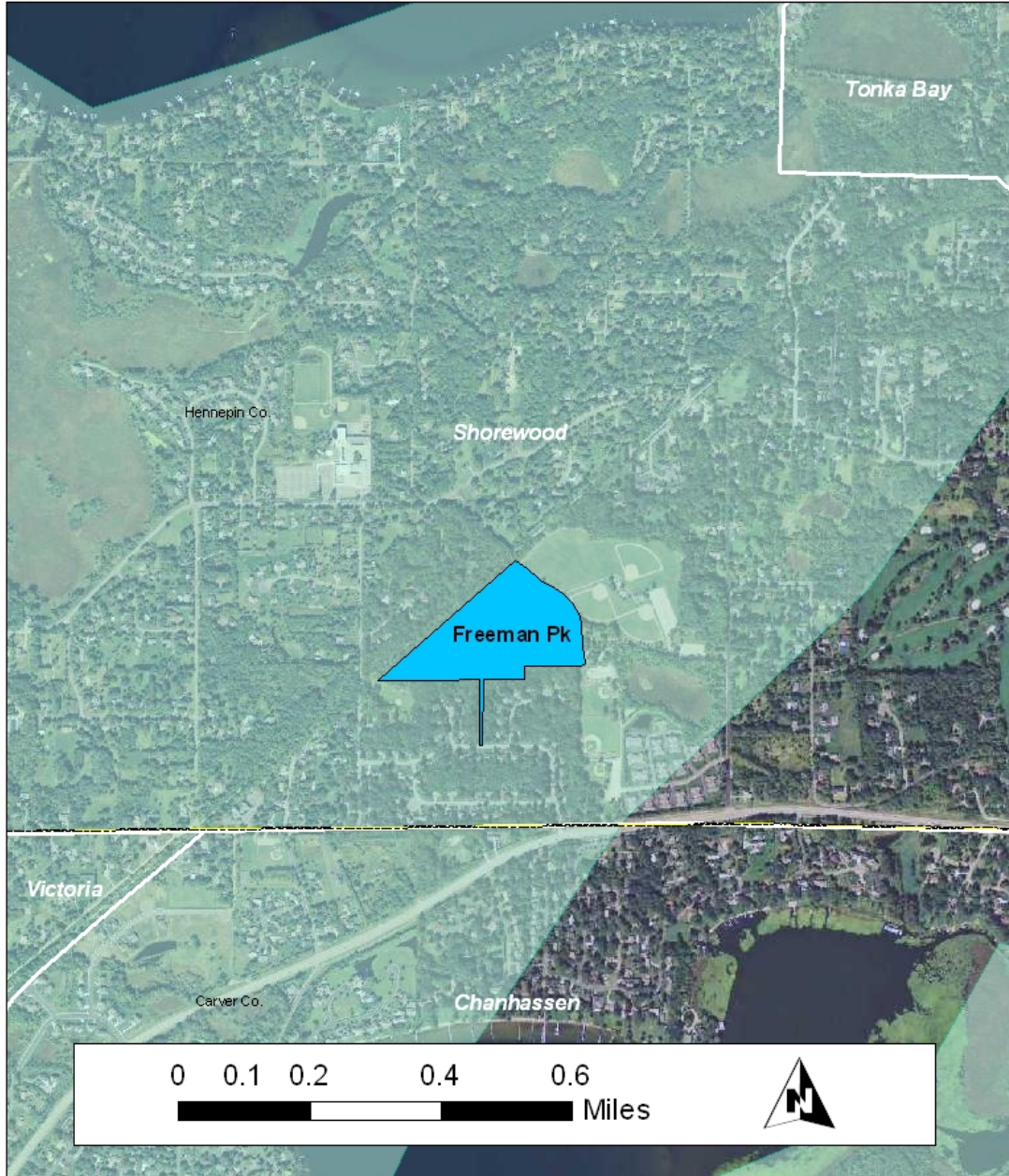


Restoring Our Lands and Waters MeCC VII Pike Lake and Spring Lake Regional Park



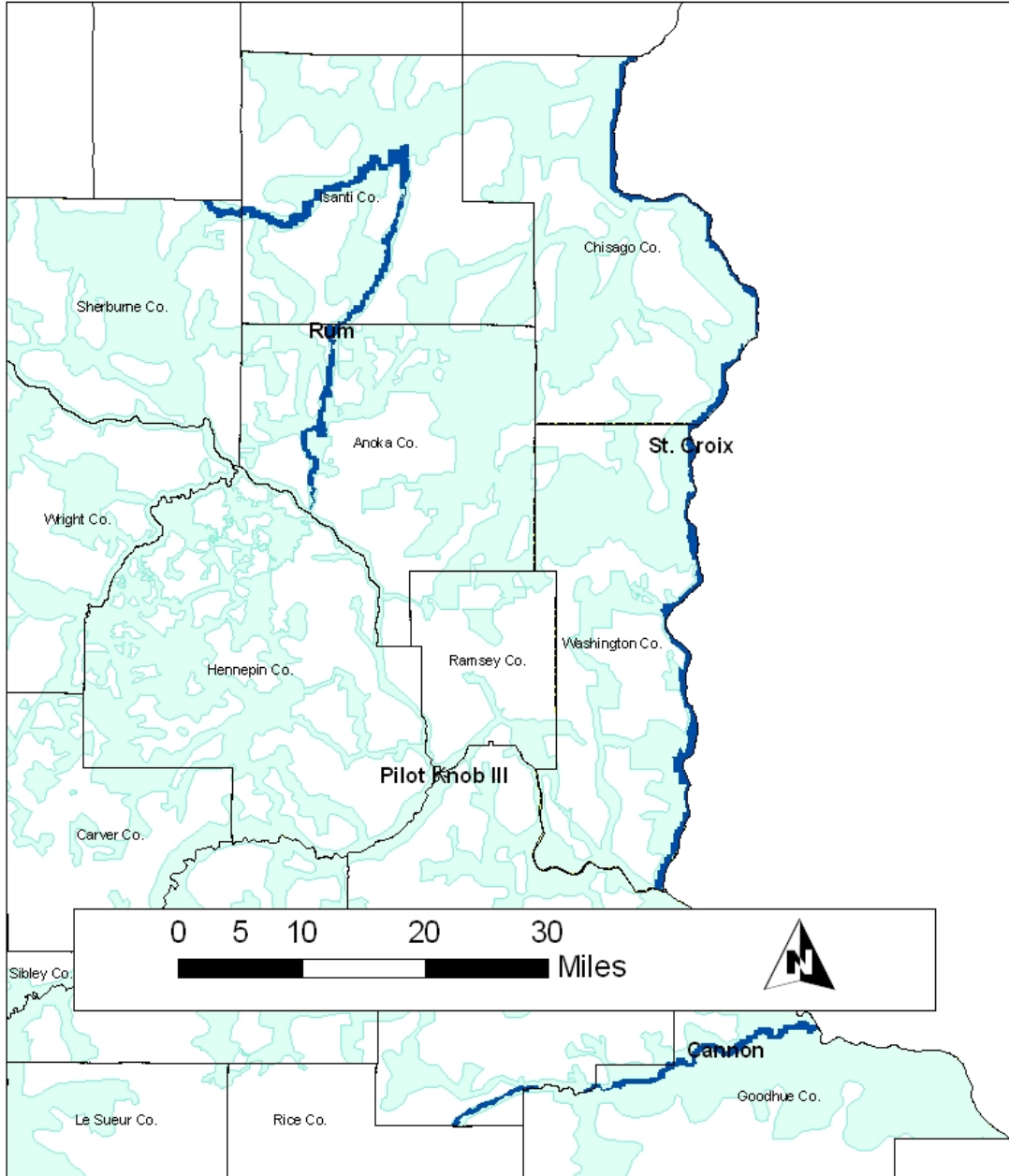


Restoring Our Lands and Waters MeCC VII Freeman Park





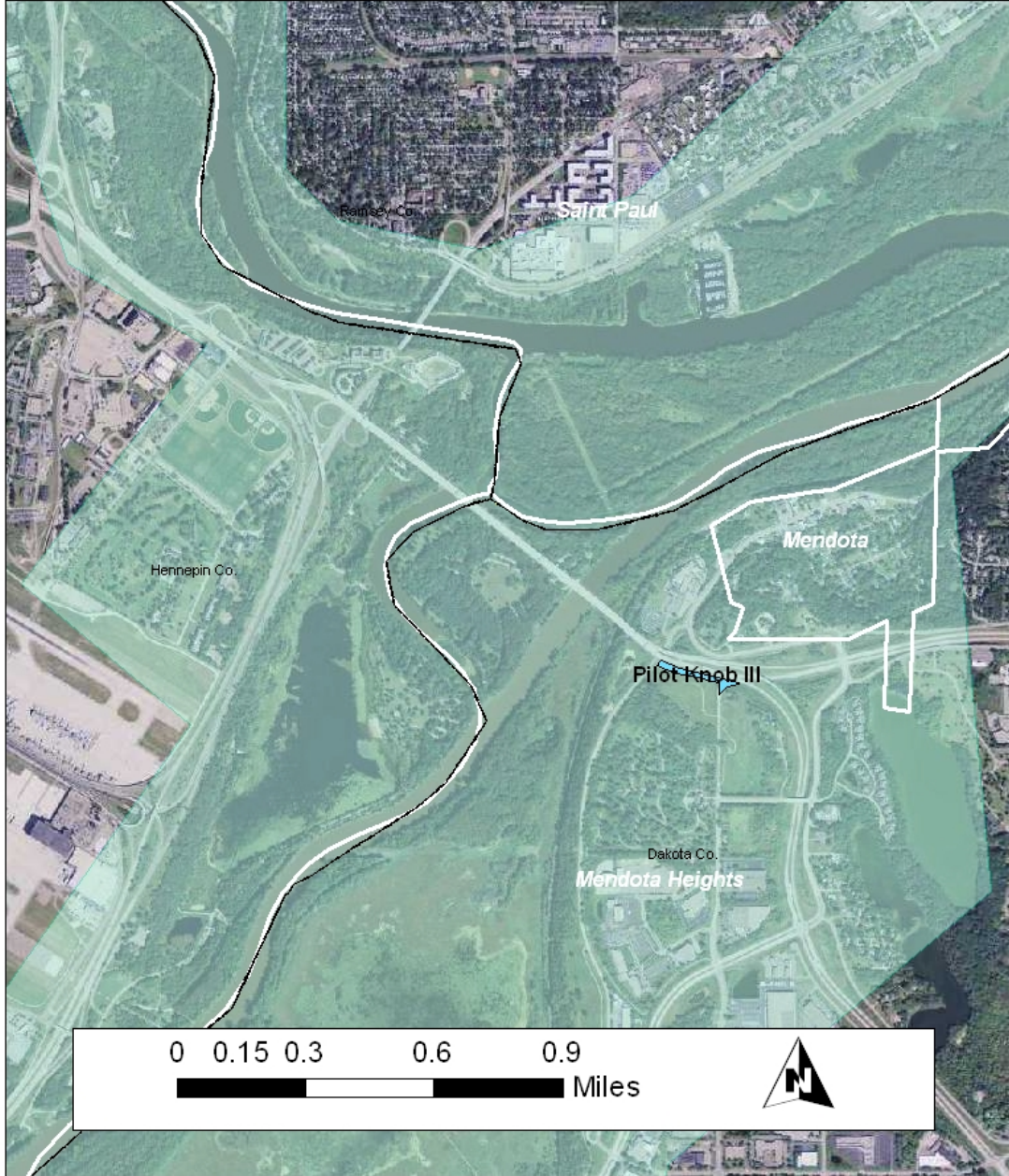
Restoring Our Lands and Waters MeCC VII Wild and Scenic Rivers Target Areas





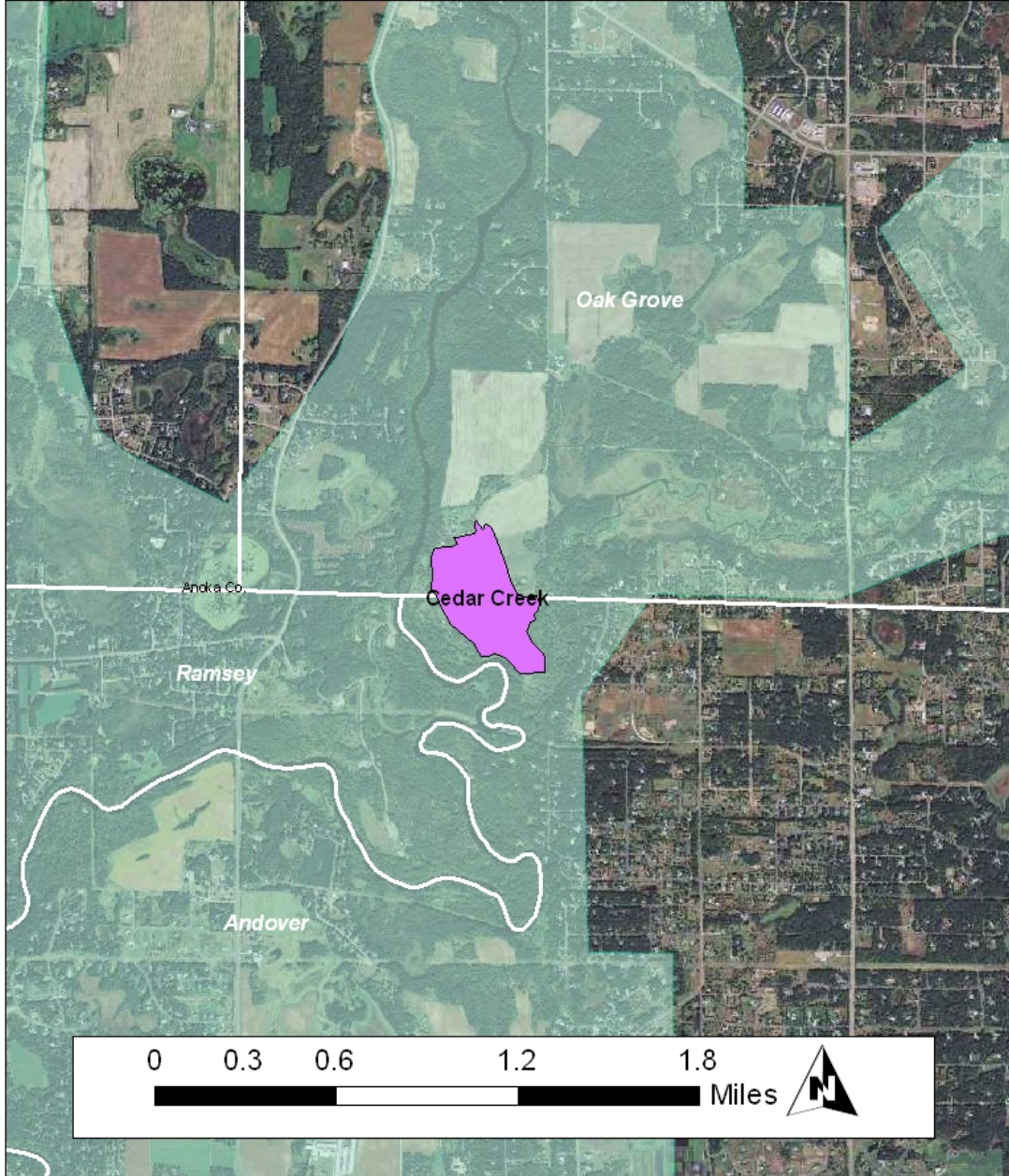
Restoring Our Lands and Waters MeCC VII

Pilot Knob Hill III



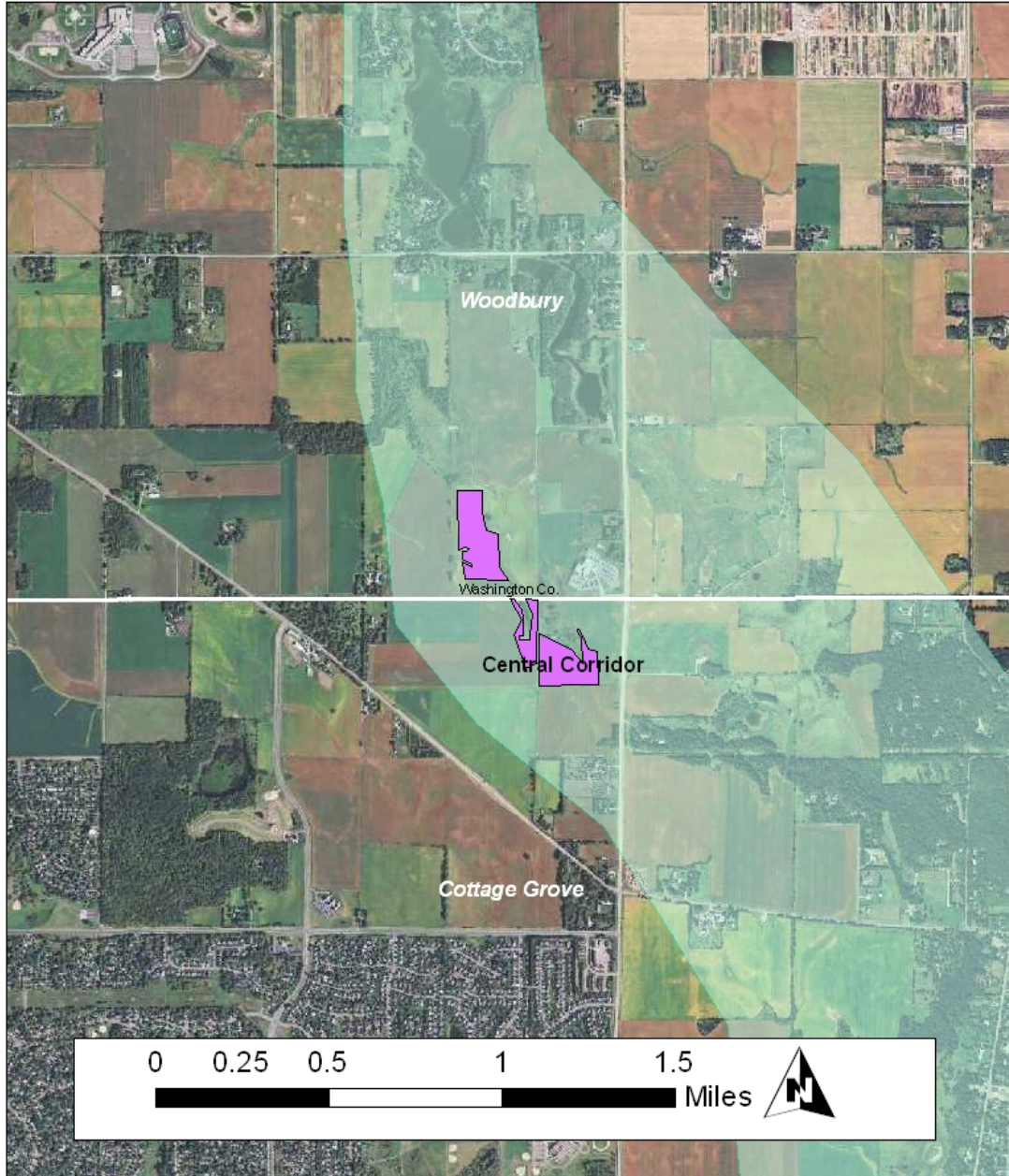


Restoring Our Lands and Waters MeCC VII Cedar Creek Conservation Area





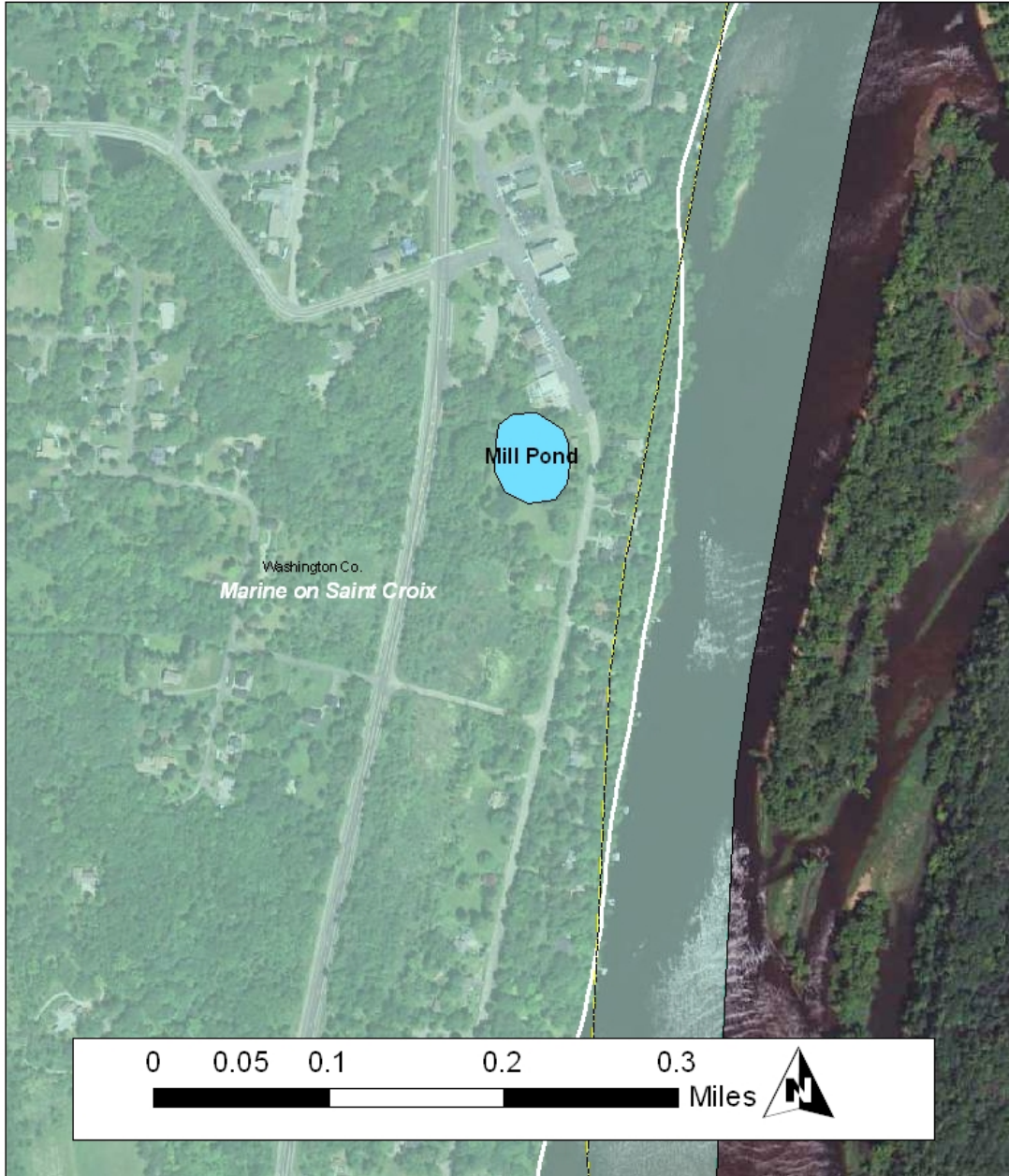
Restoring Our Lands and Waters MeCC VII Central Corridor Prairie Establishment





Restoring Our Lands and Waters MeCC VII

Mill Pond Shoreline Restoration





Restoring Our Lands and Waters MeCC VII Cedar Lake Farm Shoreline Establishment

