

# Lessard-Sams Outdoor Heritage Council

## 2012 Accomplishment Plan

### **Program Title: Metro Big Rivers Habitat Phase 2**

Manager's Name: Deborah Loon

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**Funds Recommended: \$5,000,000**

**Legislative Citation: ML 2011, Ch. X, Art. X, Sec. X, Subd. X (x):** *(to be completed when signed by Governor)*

### **Abstract:**

Metro Big Rivers will protect 733 acres, restore 26 acres and enhance 158 acres of priority wildlife habitat within the three big rivers corridors in the Metropolitan Urbanizing Area.

## **Program Narrative**

### **Design and Scope of Work**

In this second project phase, Metro Big Rivers will permanently protect 733 acres, restore 41 acres and enhance 130 acres of high quality wildlife habitat and fisheries in the Metropolitan Urbanizing Section with Outdoor Heritage Funds. Using other leveraged funds, the partners will protect 127 additional acres, for a total of 860 acres protected in the three river corridors in the Metro Urbanizing Section.

The partners of Metro Big Rivers Phase 2 are five established and experienced conservation organizations – Friends of the Mississippi River, Great River Greening, Minnesota Land Trust, Minnesota Valley National Wildlife Refuge Trust, Inc., and Trust for Public Land. Each of these organizations has a solid track record completing the type of work proposed, both independently and collaboratively. Their proposed work is described below.

Priorities are set by the partners to meet objectives of the many applicable state and local plans (listed later) and in collaboration with the governmental agencies that will be the final stewards, where applicable.

of the Mississippi River (FMR) will conduct restoration and enhancement activities on 136 acres at two high priority publicly-owned sites in Dakota County. These sites were identified as being ecologically important by two or more separate and independent science-based planning processes, which also included public-input components. As a result, each of the proposed sites not only contains important habitat and other ecological values, they also benefit from the support of local communities. Both properties are connected to other important natural areas, build on existing restoration projects, and are within the Metro Conservation Corridors.

Gores Pool Wildlife Management Area, Freitag Tract -- FMR will (1) restore 4 acres of prairie and 15 acres of wet meadow by eradicating non-native grass cover and re-seeding with native wetland species, and restore 7 acres of floodplain forest by reducing invasive grass cover, and (2) enhance 94 acres of floodplain and upland forest by removing exotic invasive woody plants. Gores Pool is a state-owned Wildlife Management Area and Aquatic Management Area. It is a 6,449 acre complex of floodplain forest, marshland and backwater along the Mississippi River and Vermillion River Bottoms. The Freitag Tract was purchased in 2008 by the DNR in partnership with Dakota County and the City of Hastings. FMR developed a Natural Resource Management Plan and has begun working with the DNR's Area Wildlife Manager on habitat restoration and enhancement activities on 70 acres of this 300-acre tract.

Rosemount Wildlife Preserve -- FMR will enhance a restored 7 acre prairie and 9 acre forest with treatment of exotic invasive species and prescribed burns. These 16-acres are the public portion of the larger 24-acre wildlife preserve, which also includes permanently protected private land. This preserve is within the metro conservation corridors in north-central Rosemount, between Lebanon Hills Park and Pine Bend Bluffs SNA, and contains prairie, woodland and a pond. The City of Rosemount owns 16 acres and a private party owns the other 8 acres. The entire site is permanently protected by a conservation easement. The property is identified in state and local plans as ecologically significant and worthy of protection. FMR developed a Natural Resource Management Plan for the site and has been steadily implementing it over the last five years, in cooperation with the private landowner and the City of Rosemount, partners in this project. The work to be completed under this grant is a continuation of the restoration work started five years ago.

River Greening (GRG) will enhance over 10 acres of land at targeted sites along the northern bank of Crosby Lake. As a result, the project will improve water clarity and fish habitat in 48 acres of this important fishing lake in the City of St. Paul, Ramsey County.

Crosby Lake is located within the floodplain of the Mississippi River and is part of a complex of wetland and forested areas associated with the Mississippi River Valley. When the Mississippi River floods, fish and other aquatic animals gain access to Crosby Lake and Upper Lake, which act as nurseries for their offspring. Since 2005, water clarity has declined and chlorophyll-a has increased in Crosby Lake, negatively affecting fish habitat for one of the most popular and accessible urban lakes. Crosby Lake and the associated Mississippi River are fish habitat for , crappie, pike, perch, , carp, and .

The declining quality of fish habitat in Crosby Lake has been noted as an issue in three plans developed with government and citizen involvement. GRG will utilize state-of-the-art bioengineering strategies to correct areas of erosion and protect 32 fish, 18 mollusk, 6 reptile and 4 amphibian species (identified during a 2009 BioBlitz survey).

The Minnesota Land Trust (MLT) will permanently protect 300 acres through conservation easements on 2 or 3 parcels in the Northwest Metro Mississippi River corridor to protect riparian habitat and critical linkages between important areas of publicly-protected habitat, like the Sherburne National Wildlife Refuge.

The 58-mile stretch of the Mississippi River through the northwest metropolitan area from Anoka to St. Cloud is known for its exceptional wildlife habitat and is popular for boating, canoeing, fishing, hunting, and other water-based recreational activities. While several popular game fish species are found in this stretch of the Mississippi, it is especially prime habitat for smallmouth bass.

Today, much of this stretch of the Mississippi River remains in a natural condition, with the forested shoreline of the River and its tributaries intact. This condition is increasingly threatened, however, due to the fact that this stretch of the Mississippi Corridor parallels one of the state's highest growth areas – the Interstate 94 corridor from the Twin Cities to St. Cloud.

The Minnesota Land Trust will expand its efforts in Protecting Habitat in the Northwest Metro Mississippi Corridor. This project will build on the more than 15 permanent conservation easements already in place within the Northwest Metro Mississippi Corridor, as well as the significant public investment in habitat protection, including several WMAs, Sand Dunes State Forest, Lake Maria State Park, several county parks, and Sherburne National Wildlife Refuge.

With this grant, MLT will:

- Acquire 2 or 3 perpetual conservation easements protecting a minimum of 300 acres of land
- Document property conditions, require habitat management plans as appropriate, and direct the use of native vegetation in conjunction with any required restoration
- Dedicate funds for the perpetual monitoring, management and enforcement of those easements.

The Land Trust will prioritize existing and future potential parcels for protection using the following criteria, in this order of importance:

- Habitat: quality and quantity of existing habitat on site
- Context: proximity and relationship to other protected lands
- Opportunity: cost-benefit ratio: which landowners will participate now
- Other Benefits: meeting multiple objectives, including visual and physical access, forestry goals, water quality, etc.

The Minnesota Valley National Wildlife Refuge Trust, Inc. will acquire fee title to 240 acres of high priority habitat to expand the Minnesota Valley National Wildlife Refuge (Refuge) in the floodplain of the Minnesota River between Chaska and LeSueur. The Trust will acquire 60 additional acres with other non-state funds, for a combined total of at least 300 acres.

The Refuge expansion units have been prioritized by the USFWS in its *Comprehensive Conservation Plan (CCP) for the Minnesota Valley National Wildlife Refuge and Wetland Management District*. Priorities were identified through a science-based, public planning process as having strong potential to provide high quality habitat for wildlife and opportunities for wildlife-dependent recreation.

All prioritized lands are along the Minnesota River and include river frontage, floodplain and cropland. Following acquisition, the Trust and USFWS will develop a restoration and management plan, then restore and enhance the floodplain forest, wetlands and prairie in cooperation with partners.

This project will reduce fragmentation and combat habitat loss to provide quality habitat and increase breeding and migratory habitat for waterfowl, shorebirds, neotropical migrants, and other species, including non-migratory resident species. It also will protect native plant and animal species, improve water quality of the Minnesota River and increase public access for wildlife-dependent recreation, including hunting, fishing, birding, photography, hiking and wildlife interpretation.

After restoration and enhancement, the lands acquired will be donated to the USFWS for perpetual management for wildlife and wildlife-dependent recreation as part of the Minnesota Valley National Wildlife Refuge.

The Trust for Public Land (TPL) will acquire fee title to 200 acres of forest, wetland, prairie and aquatic habitat along the Minnesota, Mississippi and/or St. Croix Rivers and key tributaries. TPL will protect another 67 acres with leveraged dollars, for total protection of 267 acres of high quality habitat.

TPL will select among five projects (described below) that are high priorities identified by TPL's public partners to protect high quality habitat along the three big River Corridors in the Metropolitan Urbanizing Area. With the grant funds, TPL will not complete all of these projects. TPL will achieve the acreage targets from among these projects depending on how quickly projects move, landowner timelines, due diligence challenges, timing of leveraged dollars, etc.

Minnesota River Habitat Corridor potential projects:

- Acquire fee title of up to 98 acres to continue expansion of the DNR's Savage Fen Scientific and Natural Area along the Minnesota River. This addition is adjacent to existing protected land and includes wetland and associated upland forest.
- Acquire fee title of up to 30 acres at Pike Lake Natural Area for city, township or county protection. This is critical shoreline on a shallow lake with abundant waterfowl and nesting bald eagles. This project will connect existing natural area owned by the city with natural land

owned by the YMCA, creating a larger wildlife corridor along Pike Creek, which flows 3 miles to the north into the Minnesota River.

Mississippi River Habitat Corridor potential project:

- Acquire fee title of up to 170 acres with 1200 feet of shoreline on the Wild and Scenic Rum River, just a few miles upstream of the Mississippi River, for city, township or county protection. The Rum River is an excellent bass fishery and a favorite canoe route. The land is mixed woodland and wetland habitat.

St. Croix River Habitat Corridor potential projects:

- Acquire fee title of up to 200 acres of forest for state or federal protection in the Franconia/Scandia St. Croix River corridor. This project will complement existing protected lands along the St. Croix National Scenic Riverway.
- Acquire fee title of up to 1,000 acres of mixed forest and associated wetlands / shallow lake terrain, providing excellent habitat for waterfowl, deer and pheasant near Big Marine Lake. This is part of the larger St. Croix Greenway that connects to the St. Croix River. Ultimate protection will be in partnership with state and local partners.

## Planning

The Metro Big Rivers partnership has relied on science-based processes to identify potential projects for this grant phase. Partners apply the following key habitat priorities of the *Minnesota Statewide Conservation and Preservation Plan*:

- Protect priority habitat
- Protect critical shorelands
- Improve connectivity and access to outdoor recreation
- Restore land, wetlands, and wetland-associated watersheds
- Protect and restore critical in-water habitat of lakes and streams
- Keep water on the landscape.

Metro Big Rivers will meet three LSOHC priorities for the Metro Urbanizing Section:

- Protect habitat corridors, with emphasis on the Minnesota, Mississippi and St. Croix rivers
- Protect, enhance and restore remnant native prairie, Big Woods forests and oak savanna with an emphasis on areas with high biological diversity
- Protect, enhance and restore riparian and littoral habitats on lakes to benefit game and non-game fish species.

Specific to “improving connectivity and access to outdoor recreation,” Metro Big Rivers works to improve and expand new hunting, fishing and other wildlife-based recreational opportunities close to home for the 3 million Minnesotans who live in the Twin Cities Metropolitan Area. These opportunities will help to build a new generation of Minnesotans who love to hunt, fish, bird-watch, or study wildlife.

Metro Big Rivers also implements specific habitat priorities in the State Wildlife Action Plan (*Tomorrow's Habitat for the Wild and Rare: An Action Plan for Minnesota Wildlife*), supports several species occurrences documented in the DNR's *Minnesota County Biological Survey Heritage Database*, and implements recommendations from various species-specific plans (e.g., *Long Term Duck Recovery Plan*).

Metro Big Rivers projects also are supported and often identified in location-specific plans, including the following:

- Dakota County Farmland and Natural Area Protection Plan, Mississippi River Greenway Strategic Plan & Northern Dakota County Greenway Plan (FMR).
- The Crosby Lake Management Plan, Work Plan, Crosby Farm Regional Park Ecological Inventory and Restoration Management Plan, and Crosby Park Bluff Trail Study (GRG).
- Comprehensive Conservation Plan for the Minnesota Valley National Wildlife Refuge and Wetland Management District (MVT)
- Washington County Land Protection Plan; Scott County Land Protection Plan, and St. Croix River Association Land Protection Plan (TPL).

### Relationship to Other Constitutional Funds

All Metro Big Rivers partners also are partners in the Metropolitan Conservation Corridors (MeCC), which complete protection, restoration and enhancement work with grants from the Minnesota Environment and Natural Resources Trust Fund (ENRTF), as recommended by the Legislative-Citizen Commission on Minnesota Resources (LCCMR). MeCC has been working since 2005.

In all cases, the projects to be completed by Metro Big Rivers Phase 2 with this Outdoor Heritage Fund grant complement other funding and, most importantly, accelerate habitat work in the Twin Cities Metropolitan Urbanizing Area. The grant to Metro Big Rivers Phase 2 does not supplant any other sources of funds.

One partner's projects (TPL) may require other state funding sources to successfully complete the fee title acquisition identified herein. These other funding sources may include ENRTF, Clean Water or Parks / Trails funds.

### Relationship to Current Organizational Budget

The OHF grant funds will be used exclusively to complete the proposed project activities, thereby accelerating the protection, restoration and enhancement of high priority habitat in the Twin Cities Metropolitan Area. The grant funds are in addition to the organizational operating budget of each partner and other funds secured for habitat work. These grant funds will not substitute for or supplant other funding sources.

## Sustainability and Maintenance

Metro Big Rivers Habitat partners will work with experienced local, state and federal land programs and private landowners to maintain the acquired and restored lands. With a strong record of leveraging funds to protect, restore and enhance wildlife habitat in the metro area, the partners are committed to working with the land stewards to secure resources to maintain these lands.

The specific long-term land stewards for each project are listed here:

**Friends of Mississippi River** – By the end of the project period, FMR expects the bulk of needed restoration and enhancement activities will be accomplished and the project will move into a lower cost maintenance phase. There will be continued costs associated with controlling exotic brush, for example. FMR has a long history of staying involved at each project site, and seeking additional maintenance funds as the need arises. The exact sources of funding are not known at this time, but would likely include a combination of state, local, and private funds.

**Great River Greening** –The cost of ongoing management is relatively low and will be accommodated in the existing program funds of the City of Saint Paul.

**Minnesota Land Trust** – The land protected through conservation easements will be sustained through the best standards and practices for conservation easement stewardship. Funding for easement stewardship for the Minnesota Land Trust is included in the budget outlined above. The Minnesota Land Trust has a comprehensive stewardship program that includes annual property monitoring, effective records management, addressing inquiries and interpretations, tracking changes in ownership, investigating potential violations and defending the easement in case of a true violation.

**Minnesota Valley Trust** - After acquisition, the habitat will be restored and/or enhanced, as needed, by the MN Valley Trust and USFWS. The lands will then be donated to the USFWS for perpetual management by USFWS as part of the Minnesota Valley National Wildlife Refuge.

**Trust for Public Land** – In each of the five potential projects, TPL will work with the long term public agency steward to develop a plan for enhancement and restoration as needed, including a plan to fund the initial work and maintain the land in the long term. The long term steward will be the Minnesota DNR, federal government or a local unit of government. TPL will require that the long term steward support this sustainable approach to habitat protection.

## Accomplishment Timeline

### Friends of the Mississippi River -

Activity	Milestone	Date
Commence project	Let contractor bids	Aug 2011

Prairie enhancement	Complete 17 acres	June 2013
Prairie restoration	Complete 22 acres	June 2013
Forest enhancement	Complete 65 acres	June 2015
Prairie restoration	Complete 4 acres	June 2015
Wetland restoration	Complete 15 acres	June 2015

#### **Great River Greening –**

<b>Activity</b>	<b>Milestone</b>	<b>Date</b>
Commence project		July 2011
Project scoping and design	Design implementation plan	March 2012
Enhancement of ten acres	Ten acres completed	July 2013

#### **Minnesota Land Trust –**

<b>Activity</b>	<b>Milestone</b>	<b>Date</b>
Acquire conservation easements: <ul style="list-style-type: none"> <li>Identify landowners</li> <li>Negotiate, draft, complete easements</li> <li>Dedicate funds for easement stewardship</li> </ul>	Protect 300 acres by completing 2-3 conservation easements	June 2013

#### **Minnesota Valley Trust –**

<b>Activity</b>	<b>Milestone</b>	<b>Date</b>
Complete landowner negotiations & purchase agreements – parcels	Complete	February 2012
Restoration & stewardship planning, due diligence	Complete	August 2012
Closing	Closing parcels – 150 acres	October 2012
Complete landowner negotiations & purchase agreements – parcels	Complete	June 2012
Restoration & stewardship planning, due diligence	Complete	December 2012
Closing	Closing 2nd parcels – 150 acres	June 2013

#### **Trust for Public Land –**

<b>Activity</b>	<b>Milestone</b>	<b>Date</b>
Complete landowner negotiations & secure purchase agreements – parcels	Complete	October 2011



Restoration & stewardship planning and acquisition due diligence	Complete	August 2012
Closing	Closing parcels – 180 acres	October 2012
Complete landowner negotiations & secure purchase agreements – parcels	Complete	April 2012
Restoration & stewardship planning and acquisition due diligence	Complete	October 2012
Closing	Closing 2nd parcels – 80 acres	February 2013

**Table B-2. Other Outcome Table – Not Applicable**

Goal 1	Activity – P/R/E	Measure	Impact	Ecological Type
N/A				
Goal 2				

Attachments (*on spreadsheet workbook – 3 separate tabs*):

- A. Budget
- B. Proposed Outcome Tables
- C. Parcel List

*No Map is needed for the accomplishment plan*

## Attachment A. Budget Spreadsheet

Name of Proposal:

Metro Big Rivers Habitat Phase 2

Date:

8-Oct-10

Legal Citation / Proposal Number:

H-05

[Link Here to definitions of the budget items below.](#)

Total Amount of Request

\$

5,000,000

From page 1 on the funding form.

## Personnel

Position breakdown here	FTE	Over # of years	LSOHC Request	Anticipated Cash Leverage	Cash Leverage Source	Total
Conservation Director (FMR)	0.02	4	\$ 5,184		\$	5,184
Ecologist/Project Mgr (FMR)	0.08	4	\$ 22,260		\$	22,260
Ecologist (GRG)	0.34	2	\$ 15,000	\$ 15,000	\$	30,000
Business Director (GRG)	0.03	2	\$ 2,800	\$ 2,800	\$	5,600
Conservation Staff (MLT)	0.25	2	\$ 35,000		\$	35,000
Staff Attorney (MLT)	0.05	2	\$ 9,000		\$	9,000
Support Staff (MLT)	0.05	2	\$ 5,000		\$	5,000
<b>Total</b>	<b>0.82</b>		<b>\$ 94,244</b>	<b>\$ 17,800</b>	<b>\$ -</b>	<b>\$ 112,044</b>

## Budget and Cash Leverage (All your LSOHC Request Funds must be direct to and necessary for program outcomes.)

Please describe how you intend to spend the requested funds.

Budget Item	LSOHC Request	Anticipated Cash Leverage	Cash Leverage Source	Total
Personnel - auto entered from above	\$ 94,244	\$ 17,800	\$ -	\$ 112,044
Contracts	\$ 209,134	\$ 10,000	FMR	\$ 219,134
Fee Acquisition w/ PILT (breakout in table 6 & 7)	\$ 2,030,000	\$ 700,000	Local, other state, fed	\$ 2,730,000
Fee Acquisition w/o PILT (breakout in table 6 & 7)	\$ 1,825,000	\$ 540,000	Private, federal, local,	\$ 2,365,000
Easement Acquisition	\$ 725,000	\$ 250,000	Donated easement	\$ 975,000
Easement Stewardship	\$ 45,000			\$ 45,000
Travel (in-state)	\$ 2,302			\$ 2,302
Professional Services	\$ 20,000			\$ 20,000
DNR Land Acquisition Costs	\$ 5,000			\$ 5,000
Other				\$ 44,320
Capital Equipment (auto entered from below)	\$ -	\$ -		\$ -
Other Equipment/Tools	\$ -			\$ -
Supplies/Materials	\$ 44,320			\$ 44,320
	\$ 5,000,000	\$ 1,517,800	\$ -	\$ 6,517,800

## Capital Equipment (single items over \$10,000 - auto entered into table above)

Item Name	LSOHC Request	Leverage
NONE		
<b>Total</b>	<b>0</b>	<b>0</b>

## Attachment B. Outcome Tables

Name of Proposal:	Metro Big Rivers Habitat Phase 2
Date:	8-Oct-10
Legal Citation / Proposal Number:	H-05

*Table 1 and Table 3 column totals should be the same AND Table 2 and Table 4 column totals should be the same*

*If your project has lakes or shoreline miles instead of land acres, convert miles to acres for Tables 1 and 3 using the following conversion:*

*Lakeshore = 6 acres per lakeshore mile / Stream & River Shore = 12 acres per linear mile, if both sides*

**Table 1. Acres by Resource Type**

Describe the scope of the project in acres (use conversion above if needed)

	Wetlands	Prairies	Forest	Habitats	Total
Restore	15	4	7		26
Protect	102	100	503	28	733
Enhance		7	103	48	158
Total	117	111	613	76	

Total Acres (sum of Total column)

917

*These two cells should be the same figure.*

Total Acres (sum of Total row)

917

**Table 2. Total Requested Funding by Resource Type**

	Wetlands	Prairies	Forest	Habitats	Total
Restore	\$ 40,718	\$ 13,020	\$ 7,300		\$ 61,038
Protect	\$ 980,000	\$ 950,000	\$ 2,350,000	\$ 420,000	\$ 4,700,000
Enhance		\$ 2,292	\$ 86,670	\$ 150,000	\$ 238,962
Total	\$ 1,020,718	\$ 965,312	\$ 2,443,970	\$ 570,000	

Total Dollars (sum of Total column)

\$ 5,000,000

*These two cells should be the same figure.*

Total Dollars (sum of Total row)

\$ 5,000,000

Check to make sure this amount is the same

as the Funding Request Amount on page 1 of Main Funding Form.

**Table 3. Acres within each Ecological Section**

	Metro/Urban	Forest/Prairie	SE Forest	Prairie	Northern Forest	Total
Restore	26					26
Protect	733					733
Enhance	158					158
Total	917	0	0	0	0	

Total Acres (sum of Total column)

917

Total Acres (sum of Total row)

917

Total Acres from Table 1.

917

*These three cells should be the same figure.*

## Attachment B. Outcome Tables

**Table 4. Total Requested Funding within each Ecological Section**

	Metro/Urban	Forest/Prairie	SE Forest	Prairie	Northern Forest	Total
Restore	\$ 61,038					\$ 61,038
Protect	\$ 4,700,000					\$ 4,700,000
Enhance	\$ 238,962					\$ 238,962
Total	\$ 5,000,000	\$ -	\$ -	\$ -	\$ -	

Total Dollars (sum of Total column)

\$ 5,000,000

*These two cells should be the same figure.*

Total Dollars (sum of Total row)

\$ 5,000,000

Check to make sure these amounts are the same as the Funding Request Amount on page 1 of Main Funding Form.

**Table 5. Target Lake/Stream/River Miles**

# miles of Lakes / Streams / Rivers Shoreline

**Table 6. Acquisition by PILT Status (enter information in acres)**

	Wetlands	Prairies	Forests	Habitats	Total
Acquired in Fee with State PILT Liability	36	35	44	20	135
Acquired in Fee w/o State PILT Liability	66	65	159	8	298
Permanent Easement NO State PILT Liability			300		300
	102	100	503	28	

**Table 7. Estimated Value of Acquisition by PILT Status (enter information in dollars)**

	Wetlands	Prairies	Forests	Habitats	Total
Acquired in Fee with State PILT Liability	\$ 735,000	\$ 707,000	\$ 896,000	\$ 392,000	\$ 2,730,000
Acquired in Fee w/o State PILT Liability	\$ 564,000	\$ 552,000	\$ 1,082,000	\$ 167,000	\$ 2,365,000
Permanent Easement NO State PILT Liability			\$ 975,000		\$ 975,000
	\$ 1,299,000	\$ 1,259,000	\$ 2,953,000	\$ 559,000	

## Attachment C. Parcel List

**Name of Proposal: Metro Big Rivers Habitat Phase 2**

**Date: October 8, 2010**

**Legal Citation / Proposal Number: H-05**

County	Township	Range	Direction	Section	TRDS	# of acres	Budgetary Estimate (includes administrative, restoration or other related costs and do not include matching money contributed or earned by the transaction)	Description	Activity R=Restore P=Protect E=Enhance	Any existing protection? (yes/no)	Open to hunting and fishing? (yes/no)	
Parcel Name												
Minnesota Land Trust (easement)												
Mississippi River (2 projects)	Sherburne	32 & 33	26	W	4 & 33	3326W33	175	\$710,000	Northwest Mississippi River: Conservation easement: river frontage, floodplain forest	P	No	No
Elk River	Sherburne	34	29	W	3	3429W3	125	\$85,000	Northwest Mississippi River: Conservation easement: forest, grasslands, river frontage	P	No	No
Stickney Lake	Sherburne	34 & 35	30	W	2, 10 & 35	3430W2	600	\$85,000	Northwest Mississippi River: Conservation easement: hardwood forest, lake shore, agricultural land	P	No	No
Minnesota Valley Trust, Inc. (fee title)												
Blakely Unit Addition, MN Valley Refuge	Scott	113	26	W	36	11326W36	120	\$ 480,000	Minnesota River: Expand MN Valley National Wildlife Refuge	P	No	Yes
Jessenland Unit Addition, MN Valley Refuge	Sibley	113	23	W	13 & 14	11323W13	120	\$ 480,000	Minnesota River: Expand MN Valley National Wildlife Refuge	P	No	Yes
Rapids Lake Unit Addition, MN Valley Refuge	Carver	115	23	W	31	11523W31	120	\$ 480,000	Minnesota River: Expand MN Valley National Wildlife Refuge	P	No	Yes
St. Lawrence Unit Addition, MN Valley Refuge	Scott	114	24	W	27	11424W27	120	\$ 480,000	Minnesota River: Expand MN Valley National Wildlife Refuge	P	No	Yes
Trust for Public Land (fee title)												
MN River / Savage Fen	Scott	115N	21	W	16 & 17	11521w16	98	\$ 700,000	Minnesota River Corridor: fen, wetland, maple basswood forest, and bluffs about 1 mi from MN River. Add to a DNR Scientific and Natural Area.	P	No	Yes

Attachment C. Parcel List

MN River / Pike Lake II	Scott	115N	22	W	23	11522w23	30	\$	1,500,000	Minnesota River Corridor: Critical shoreline on shallow Pike Lake. Connects via Pike Creek to the Minnesota River.	P	No	Yes
MS River / Rum River Scout Camp	Anoka	32N	25	W	13	3225W13	170	\$	6,000,000	Mississippi River Corridor: Mixed forest and wetland habitat on 1200 feet of the Rum River, an excellent bass fishery and favorite canoe route. 6mi from the Mississippi River.	P	No	Yes
St. Croix / Franconia and Scandia Corridor	Chisago	33N	19	W	16	3319W16	200	\$	1,600,000	St. Croix River Corridor: Forested land with stream draining 0.3mi away into the St. Croix River.	P	Yes	Yes
St. Croix / Big Marine Area	Washington	31N	20	W	5 & 23	3120W5	1000	\$	10,000,000	St. Croix River Corridor: Mixed forest, wetland and shallow lake habitat in larger protected corridor. 4 – 6 miles from the St. Croix River.	P	No	Yes
Note: The protection projects will be selected from the above prioritized lists.													
RESTORE AND ENHANCE													
Friends of the Mississippi River													
Gores Pool WMA (Freitag Tract)	Dakota	115	17	W	26	11517W26	120	\$	142,000	Mississippi River: Restore prairie and wet meadow, and enhance floodplain and upland forest at Gores Pool WMA.	R & E	Yes	Yes
Rosemount Wildlife Preserve	Dakota	115	19	W	16	11519W16	16	\$	8,000	Mississippi River: Enhance prairie and forest at Rosemount Preserve	E	Yes	No
Great River Greening													
Crosby Farm Regional Park (Crosby Lake)	Ramsey	28N	23	W	22	2823W17	48	\$	150,000	Mississippi River: Enhance Crosby Lake fishery through bioengineering projects	E	Yes	Yes

## Attachment B. Proposed Outcome Tables

	A	B	C	D	E	F	G	H
1	<b>Table 1. Acres by Resource Type</b>							
2	Describe the scope of the project in acres (use conversion above if needed)							
3								
4		<b>Wetlands</b>	<b>Prairies</b>	<b>Forest</b>	<b>Habitats</b>	<b>Total</b>		
5	<b>Restore</b>	15	4	7		26		
6	<b>Protect</b>	102	100	503	28	733		
7	<b>Enhance</b>		7	103	48	158		
8	<b>Total</b>	117	111	613	76			
9								
10			Total Acres (sum of Total column)			917		
11			Total Acres (sum of Total row)			917		
12								
13	<b>Table 2. Total Requested Funding by Resource Type</b>							
14								
15		<b>Wetlands</b>	<b>Prairies</b>	<b>Forest</b>	<b>Habitats (Aquatic)</b>	<b>Total</b>		
16	<b>Restore</b>	\$40,718	\$13,020	\$7,300		\$61,038		
17	<b>Protect</b>	\$980,000	\$950,000	\$2,350,000	\$420,000	\$4,700,000		
18	<b>Enhance</b>		\$2,292	\$86,670	\$150,000	\$238,962		
19	<b>Total</b>	\$1,020,718	\$965,312	\$2,443,970	\$570,000			
20								
21			Total Dollars (sum of Total column)			\$5,000,000		
22			Total Dollars (sum of Total row)			\$5,000,000		
23			Check to make sure this amount is the same					
24			as the Funding Request Amount on page 1 of Main Funding Form.					
25								
26	<b>Table 3. Acres within each Ecological Section</b>							
27								
28		<b>Metro/Urban</b>	<b>Forest/Prairie</b>	<b>SE Forest</b>	<b>Prairie</b>	<b>Northern Forest</b>	<b>Total</b>	
29	<b>Restore</b>	26					26	
30	<b>Protect</b>	733					733	
31	<b>Enhance</b>	158					158	
32	<b>Total</b>	917	0	0	0	0		
33								
34			Total Acres (sum of Total column)			917		
35			Total Acres (sum of Total row)			917		
36			Total Acres from Table 1.			917		
37								
38								
39	<b>Table 4. Total Requested Funding within each Ecological Section</b>							
40								
41		<b>Metro/Urban</b>	<b>Forest/Prairie</b>	<b>SE Forest</b>	<b>Prairie</b>	<b>Northern Forest</b>	<b>Total</b>	
42	<b>Restore</b>	\$61,038					\$61,038	
43	<b>Protect</b>	\$4,700,000					\$4,700,000	
44	<b>Enhance</b>	\$238,962					\$238,962	
45	<b>Total</b>	\$5,000,000	\$0	\$0	\$0	\$0		
46								
47			Total Dollars (sum of Total column)			\$5,000,000		
48			Total Dollars (sum of Total row)			\$5,000,000		

# Attachment B. Proposed Outcome Tables

	A	B	C	D	E	F	G	H
49			Check to make sure these amounts are the same					
50			as the Funding Request Amount on page 1 of Main Funding Form.					
51								
52	<b>Table 5. Target Lake/Stream/River Miles</b>							
53								
54			3 # miles of Lakes / Streams / Rivers Shoreline					
55								
56								
57	<b>Table 6. Acquisition by PILT Status (enter information in acres)</b>							
58			<b>Wetlands</b>	<b>Prairies</b>	<b>Forests</b>	<b>Habitats</b>	<b>Total</b>	
59	in Fee with State PILT Liability		36	35	44	20	135	
60	in Fee without State PILT Liability		66	65	159	8	298	
61	Easement NO State PILT Liability				300		300	
62								
63								
64	<b>Table 7. Estimated Value of Acquisition by PILT Status (enter information in dollars)</b>							
65			<b>Wetlands</b>	<b>Prairies</b>	<b>Forests</b>	<b>Habitats</b>	<b>Total</b>	
66	Acquired in Fee with State PILT		\$735,000	\$707,000	\$896,000	\$392,000	\$2,730,000	
67	Acquired in Fee without State PILT		\$563,650	\$551,700	\$1,082,350	\$167,300	\$2,365,000	
68	Permanent Easement NO State PILT				\$975,000		\$975,000	\$6,070,000



**Table 1. Acres by Resource Type**

Describe the scope of the project in acres (use conversion above if needed)

	Wetlands	Prairies	Forest	Habitats	Total
Restore - FMR	15	4	7		26
Protect - MLT			300		300
Protect - MVT	50	50	140		240
Protect - TPL	52	50	63	28	193
Enhance - FMR		7	103		110
Enhance - GRG				48	48
<b>Total</b>	<b>117</b>	<b>111</b>	<b>613</b>	<b>76</b>	

Total Acres (sum of Total column) 917  
Total Acres (sum of Total row) 917

**Table 2. Total Requested Funding by Resource Type**

	Wetlands	Prairies	Forest	Habitats (Aquatic)	Total
Restore - FMR	\$40,718	\$13,020	\$7,300		\$61,038
Protect - MLT			\$840,000		\$840,000
Protect - MVT	\$200,000	\$200,000	\$560,000		\$960,000
Protect - TPL	\$780,000	\$750,000	\$950,000	\$420,000	\$2,900,000
Enhance - FMR		\$2,292	\$86,670		\$88,962
Enhance - GRG				\$150,000	\$150,000
<b>Total</b>	<b>\$1,020,718</b>	<b>\$965,312</b>	<b>\$2,443,970</b>	<b>\$570,000</b>	

Total Dollars (sum of Total column) \$5,000,000  
Total Dollars (sum of Total row) \$5,000,000  
Check to make sure this amount is the same  
as the Funding Request Amount on page 1 of Main Funding Form.

**Table 3. Acres within each Ecological Section**

	Metro/Urban	Forest/Prairie	SE Forest	Prairie	Northern Forest	Total
Restore - FMR	26					26
Protect - MLT	300					300
Protect - MVT	240					240
Protect - TPL	193					193
Enhance - FMR	110					110
Enhance - GRG	48					48
<b>Total</b>	<b>917</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	

60 leverage acres  
67 leverage acres

Total Acres (sum of Total column) 917  
Total Acres (sum of Total row) 917  
Total Acres from Table 1. 917

Table 4. Total Requested Funding within each Ecological Section

	Metro/Urban	Forest/Prairie	SE Forest	Prairie	Northern Forest	Total
Restore - FMR	\$61,038					\$61,038
Protect - MLT	\$840,000					\$840,000
Protect - MVT	\$960,000					\$960,000
Protect - TPL	\$2,900,000					\$2,900,000
Enhance - FMR	\$88,962					\$88,962
Enhance - GRG	\$150,000					\$150,000
Total	\$5,000,000	\$0	\$0	\$0	\$0	

Total Dollars (sum of Total column)

Total Dollars (sum of Total row)

Check to make sure these amounts are the same  
as the Funding Request Amount on page 1 of Main Funding Form.

\$5,000,000

\$5,000,000

Table 5. Target Lake/Stream/River Miles

3

# miles of Lakes / Streams / Rivers Shoreline  
(1.5 miles MLT, 0.38 miles MVT, 1.12 miles TPL)

Table 6. Acquisition by PILT Status (enter information in acres)

		Wetlands	Prairies	Forests	Habitats	Total	Percentage of total acreage			
							W	P	F	H
Acquired in Fee with State PILT Liability	Trust for Public Land - TPL	36	35	44	20	135	27%	26%	33%	15%
Acquired in Fee without State PILT Liability	MN Valley Trust - MVT	50	50	140		240	21%	21%	58%	
Acquired in Fee without State PILT Liability	Trust for Public Land - TPL	16	15	19	8	58	28%	26%	33%	14%
Permanent Easement NO State PILT Liability	MN Land Trust - MLT			300		300				

Table 7. Estimated Value of Acquisition by PILT Status (enter information in dollars)

		Wetlands	Prairies	Forests	Habitats	Total	Leverage allocation based on above %			
Acquired in Fee with State PILT Liability	Trust for Public Land - TPL	\$735,000	\$707,000	\$896,000	\$392,000	\$2,730,000	189000	182000	231000	98000
Acquired in Fee without State PILT Liability	MN Valley Trust - MVT	\$250,000	\$250,000	\$700,000		\$1,200,000	50400	50400	139200	
Acquired in Fee without State PILT Liability	Trust for Public Land - TPL	\$313,650	\$301,700	\$382,350	\$167,300	\$1,165,000	82600	76700	97350	41300
Permanent Easement NO State PILT Liability	MN Land Trust - MLT			\$975,000		\$975,000				
Fee w/o PILT rounded		\$563,650 564000	\$551,700 552000	\$1,082,350 1082000	\$167,300 167000	\$2,365,000 2365000				