



## Lessard-Sams Outdoor Heritage Council

Anoka Sand Plain Habitat Conservation - Phase V

Laws of Minnesota 2017 Final Report

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### General Information

**Date:** 12/06/2022

**Project Title:** Anoka Sand Plain Habitat Conservation - Phase V

**Funds Recommended:** \$1,130,000

**Legislative Citation:** ML 2017, Ch. 91, Art. 1, Sec. 2, subd. 2(j)

**Appropriation Language:** \$1,130,000 in the first year is to the commissioner of natural resources for agreements to acquire permanent conservation easements and to restore and enhance wildlife habitat on public lands in Anoka, Benton, Isanti, Morrison, and Stearns Counties as follows: \$41,000 is to Anoka Conservation District; \$231,000 is to Isanti County Soil and Water Conservation District; \$345,000 is to Great River Greening; and \$163,000 is to Stearns County Soil and Water Conservation District; and \$350,000 is to Minnesota Land Trust of which up to \$40,000 is for establishing monitoring and enforcement funds as approved in the accomplishment plan and subject to Minnesota Statutes, section 97A.056, subdivision 17. A list of proposed permanent conservation easements, restorations, and enhancements must be provided as part of the required accomplishment plan.

### Manager Information

**Manager's Name:** Wiley Buck

**Title:** Senior Program Manager

**Organization:** Great River Greening

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### Location Information

**County Location(s):** Isanti, Anoka and Stearns.

**Eco regions in which work will take place:**

- Northern Forest
- Forest / Prairie Transition
- Metro / Urban

**Activity types:**

- Protect in Easement
- Restore
- Enhance

**Priority resources addressed by activity:**

- Wetlands
- Prairie
- Forest
- Habitat

## Narrative

### Summary of Accomplishments

Great River Greening (GRG), Anoka Conservation District (ACD), Isanti SWCD (ISWCD), Minnesota Land Trust (MLT), and Stearns SWCD (StSWCD) enhanced 339 acres, equaling 137% of the stated goal of 247 acres, and 0.12 miles of shoreline. Further, MLT permanently protected 86 forest and 181 wetland acres, equaling 334% of the stated goal of 80 acres, and 1.67 miles of shoreline through conservation easement. Enhancement and protection were completed across three LSOHC subsections on mapped sites ranked highly by Minnesota Biological Survey (MBS), on Minnesota Wildlife Action Plan (WAP) priority habitats, threatened habitat, and in habitat cores and corridors.

### Process & Methods

The Anoka Sand Plain (ASP) Partnership includes government units and non-profit organizations working to protect, enhance, and restore lands and waters within the Anoka Sand Plain Project Habitat Conservation boundary, which includes the Minnesota Department of Natural Resources' (DNR) Anoka Sand Plain Ecoregion plus intersecting minor watersheds. Our work is guided by the processes and goals outlined in the partnership's 10-year strategic plan at [www.greatrivergreening.org/anoka-sand-plain-details](http://www.greatrivergreening.org/anoka-sand-plain-details). With this appropriation, five ASP Partnership organizations were direct recipients and worked closely together and with input from additional ASP partner organizations to protect, restore, and enhance priority habitats on state and local government land, public water, and private holdings. A sixth ASP partner, National Wild Turkey Federation (NWTf), contributed cash match.

### Problems Addressed

Wildlife and rare plant habitat in the ASP is impacted by numerous threats, resulting in an urgent need for action:

1. Native habitats have become rare and continue to be lost. Oak savanna and prairie - the characteristic habitat of the Anoka Sand Plain - now persist over <1% of their historic range. Due to its proximity to the Twin Cities, the ASP is realizing immense development pressure on what native habitat remains.

2. Degradation of habitats on public lands and waters threatens associated wildlife populations. Reduction in habitat quality has had profound impacts on wildlife in the ASP. Minnesota's SWAP identifies maintenance, enhancement and protection of oak savannas as its first priority in addressing the 97 Species in Greatest Conservation Need (SGCN) occurring in this ecological subsection.

3. Government agencies often lack sufficient resources and capacity to manage important lands. Inadequate funding/capacity for restoration and enhancement activities on public lands has resulted in declines in the condition of Minnesota's most important wildlife habitats.

4. Permanent conservation easement protection was pursued for ecologically important areas. Like public

institutions, private landowners also benefit from our resources in managing their land. Minnesota Land Trust uses a published set of scientific criteria to choose the highest available cost:benefit for easement projects.

We review scientific data sets during the course of our project development, and consult with landowners and other practitioners.

### **How did the program address habitats of significant value for wildlife species of greatest conservation need, threatened or endangered species, and/or list targeted species?**

Many of our completed sites are ranked highly for having examples of high quality natural communities and concentrations of rare species, as mapped by the Minnesota Biological Survey (MBS). The ASP project boundary is known to provide home to some 115 state-listed plants and animals, the most diverse ecological subsection (in terms of rare species) in the state, and we are compelled to ensure the long-term viability of habitat for SGCN. This work provided a major step in that direction. Completed projects by category are:

#### **PRISTINE HABITATS**

1. Gordie Mikkelson WMA (ACD): Enhanced 82 acres of wetland and forest of high biodiversity significance as mapped by MBS.
2. Medvecky Woods 1 (ISWCD). Enhanced 10 acres of MBS ranked wetland with high concentration of rare species, on Cedar Creek.

#### **MINNESOTA WILDLIFE ACTION PLAN (WAP) PRIORITY HABITATS (PRAIRIE, SAVANNA, NON-FORESTED WETLAND)**

3. Carlos Avery WMA (GRG): Enhanced 33 acres of oak savanna.
4. Blaine Wetland Sanctuary South (GRG): Enhanced 132 acres of shallow peat basin wetland, with state-listed Threatened and Endangered species.
5. Robert and Marilyn Burman WMA (MLT). Enhanced an additional nine acres of habitat core.
6. Vegsund Family County Park (ISWCD): Enhanced 10 acres of wetland.
7. Becklin Homestead County Park (ISWCD): Enhanced six acres of prairie in the Rum River corridor.

#### **THREATENED WILD & SCENIC RIVER STREAMBANK**

8. High Meadows Rum River Re-Meander (ISWCD): Reconnected main channel aquatic and shoreline habitat by blocking man-made shortcut.
9. Mississippi River Streambank (StSWCD): Restored 600 feet of major river streambank using high habitat value toe-wood design.

#### **PRIORITY HABITATS**

10. Conservation Easement (MLT): A total of 267 acres and 1.27 shoreland miles were permanently protected through conservation easement:
  - a) Tamarack Lake (Hanon Trust): A 101-acre project consisting of low-lying wetland complex surrounding 5,500 feet of shoreland.
  - b) Barrett Hill (Barrett Farm LLC): A 150-acre woodland (86 acres with ASP5) and 1,202 feet of shoreline project located within a Site of Moderate Biodiversity Significance.
  - c) Sunrise River (Great River Energy, fully donated): An 80-acre property consisting of a diverse wetland complex, within a Site of Outstanding Biodiversity Significance, adjacent to Carlos Avery WMA

## **How did the program use science-based targeting that leveraged or expanded corridors and complexes, reduced fragmentation, or protected areas in the MN County Biological Survey.**

The ASP Partnership's program area has a remarkable amount of large, protected habitat blocks of natural vegetation, including Carlos Avery WMA and Cedar Creek Ecosystem Science Reserve (CCESR). Our work improved habitat in and around these core areas, and additional WMAs. Habitat in the riparian corridors of the Mississippi River and Rum River were improved with shoreline improvements and terrestrial habitat improvements.

We used a slate of information to target our actions, including the MBS Sites of Biodiversity Significance, Minnesota Wildlife Action Plan (WAP), Regionally Significant Ecological Areas (RSEA), and habitat corridors. We reviewed all pertinent and available data sets during the course of our project implementation. Several of our sites are ranked 'high' for having examples of high-quality MBS-ranked natural communities and concentrations of rare species.

Protection of existing habitat and increasing connectivity between habitats via establishment of habitat/wildlife corridors is of great importance to the Partnership and is vitally important to the long-term viability and sustainability of biodiversity (including threatened and endangered species, and other game and non-game species) throughout the region. Each of our project partners endeavor to ensure that the best possible science-based information is utilized to inform our project planning and implementation.

### **Explain Partners, Supporters, & Opposition**

The ASP Partnership includes many government units and additional NGOs beyond the direct recipients, strengthening our partnership and outreach.

We demonstrated our ability to enter into agreements for conservation projects with state, county, city, and private landowners, and engage stakeholders of public lands and waters. The City of Blaine is an exemplary partner in providing support through a series of community stakeholder meetings and development of outreach materials prior to and during large-scale and dramatic removal of overabundant trees, with voted approval by their city council and related committees.

Engaging in conservation projects built working relationships between direct recipients and numerous other partners and stakeholders, including DNR North Metro Wildlife and ACD, which led to an additional project.

Community engagement included: Linwood Elementary students planting wildflowers (ACD); over 30 tree/shrub planting volunteers at Carlos Avery WMA (GRG); and 13 corporate volunteers planting wildflowers at Blaine Wetland Sanctuary (GRG).

### **Exceptional challenges, expectations, failures, opportunities, or unique aspects of program**

Streambank restoration projects are often some of the more complex projects, and prone to cost or timeline overruns. During this appropriation, the increasingly unpredictable water levels on the Rum and Mississippi Rivers, including exceptionally high water late into the spring in 2019 on the Rum, added to the challenges.

MLT completed three high-quality conservation easement projects to deliver on the acreage goals by over three times. The leverage garnered from conservation easement donations of value was less than anticipated. Increasing the outreach for and awareness of the easement program in the project boundary in subsequent phases has increased the demand for the program and therefore MLT's ability to deliver leverage.

### **What other fund may contribute to this program?**

- Environment and Natural Resource Trust Fund

## How were the funds used to advance the program?

\$20K of ENRTF ML17 (GRG) funds were used to supplement the large scale woody removal contract costs at Blaine Wetland Sanctuary.

## What is the plan to sustain and/or maintain this work after the Outdoor Heritage Funds are expended?

Site-specific resource management plans were utilized to guide effective long-term management of targeted habitats/species. All land managers associated with sites included in this proposal have committed to the long-term maintenance of these habitat improvements in line with prescribed actions. A principle goal of our activities is accelerate enhancement/restoration of respective sites and bring them to a point where on-going management costs are diminished and the resource can be more cost-effectively maintained over time.

The ASP Partnership is committed to working with local, state, federal, and private landowners, and conservation organizations in an on-going basis to identify and procure financial resources for maintaining these improvements as needed, bring volunteers to bear, and otherwise assist in reducing the financial and capacity burden in the face of fiscal constraints.

The land permanently protected through conservation easements will be sustained through the best standards and practices for conservation easement stewardship. MLT is a nationally accredited land trust with a very successful 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. Funding for these easement stewardship activities is included in the project budget.

MLT provides habitat management plans to landowners with a conservation easement, which sets the parameters around which habitat on their land should be managed. MLT encourages landowners to manage their lands in accordance with these recommendations, and works with them to identify and secure funding for these activities.

## Actions to Maintain Project Outcomes

Year	Source of Funds	Step 1	Step 2	Step 3
ACD - 2022-2030	Anoka SWCD Agriculture Preserve County funds	Spot check	Re-treatment	-
GRG - 2022-2030	Landowners	Assessment	Spot Treatment	-
MLT - 2023 (and in perpetuity)	Minnesota Land Trust	Annual monitoring of easements in perpetuity	Enforcement as needed	-
ISWCD - 2022-2030	Isanti County	Site monitoring, water level gauges	Site visit, assessment	Repairs as needed
StSWCD - 2022-2030	Stearns County	Site monitoring, water level gauges	Site visit, assessment	Repairs as needed

## Budget

### Grand Totals Across All Partnerships

Item	Requested	AP Amount	Spent	Antic. Leverage	Received Leverage	Leverage Source	Original Total	Final Total
Personnel	\$134,500	\$154,500	\$153,900	\$39,800	\$58,000	ACD, NWTF, City of Blaine, DNR, Volunteers, Stearns County	\$174,300	\$211,900
Contracts	\$695,600	\$685,200	\$682,900	\$26,000	\$92,100	-, ENRTF, Isanti County, DNR, ACD	\$721,600	\$775,000
Fee Acquisition w/ PILT	-	-	-	-	-	-	-	-
Fee Acquisition w/o PILT	-	-	-	-	-	-	-	-
Easement Acquisition	\$200,000	\$185,100	\$185,100	\$45,000	\$35,500	-, Landowners	\$245,000	\$220,600
Easement Stewardship	\$40,000	\$40,000	\$40,000	-	-	-	\$40,000	\$40,000
Travel	\$5,400	\$4,700	\$4,800	-	-	-	\$5,400	\$4,800
Professional Services	\$31,400	\$34,000	\$34,000	\$5,000	-	-	\$36,400	\$34,000
Direct Support Services	\$14,300	\$15,900	\$17,200	\$10,600	-	-	\$24,900	\$17,200
DNR Land Acquisition Costs	-	-	-	-	-	-	-	-
Capital Equipment	-	-	-	-	-	-	-	-
Other Equipment/Tools	\$100	\$1,100	\$1,200	-	-	-	\$100	\$1,200
Supplies/Materials	\$8,700	\$9,500	\$9,800	\$2,100	\$600	NWTF	\$10,800	\$10,400
DNR IDP	-	-	-	-	-	-	-	-
<b>Grand Total</b>	<b>\$1,130,000</b>	<b>\$1,130,000</b>	<b>\$1,128,900</b>	<b>\$128,500</b>	<b>\$186,200</b>	-	<b>\$1,258,500</b>	<b>\$1,315,100</b>

**Partner: Anoka Conservation District**

**Totals**

Item	Requested	AP Amount	Spent	Antic. Leverage	Received Leverage	Leverage Source	Original Total	Final Total
Personnel	\$25,000	\$35,000	\$34,700	\$2,500	\$3,500	ACD, NWTF	\$27,500	\$38,200
Contracts	\$10,000	-	-	\$1,000	-	-	\$11,000	-
Fee Acquisition w/ PILT	-	-	-	-	-	-	-	-
Fee Acquisition w/o PILT	-	-	-	-	-	-	-	-
Easement Acquisition	-	-	-	-	-	-	-	-
Easement Stewardship	-	-	-	-	-	-	-	-
Travel	-	-	-	-	-	-	-	-
Professional Services	-	-	-	-	-	-	-	-
Direct Support Services	-	-	-	-	-	-	-	-
DNR Land Acquisition Costs	-	-	-	-	-	-	-	-
Capital Equipment	-	-	-	-	-	-	-	-
Other Equipment/Tools	-	-	-	-	-	-	-	-
Supplies/Materials	\$6,000	\$6,000	\$6,300	\$600	\$600	NWTF	\$6,600	\$6,900
DNR IDP	-	-	-	-	-	-	-	-
<b>Grand Total</b>	<b>\$41,000</b>	<b>\$41,000</b>	<b>\$41,000</b>	<b>\$4,100</b>	<b>\$4,100</b>	-	<b>\$45,100</b>	<b>\$45,100</b>

**Personnel**

Position	Annual FTE	Years Working	Funding Request	Antic. Leverage	Leverage Source	Total
Anoka Conservation District Staff	0.1	3.0	\$34,700	\$3,500	ACD, NWTF	\$38,200

**Partner: Great River Greening**

**Totals**

Item	Requested	AP Amount	Spent	Antic. Leverage	Received Leverage	Leverage Source	Original Total	Final Total
Personnel	\$26,300	\$42,300	\$43,100	\$31,300	\$34,200	City of Blaine, DNR, Volunteers	\$57,600	\$77,300
Contracts	\$310,300	\$292,500	\$291,400	-	\$20,000	ENRTF	\$310,300	\$311,400
Fee Acquisition w/ PILT	-	-	-	-	-	-	-	-
Fee Acquisition w/o PILT	-	-	-	-	-	-	-	-
Easement Acquisition	-	-	-	-	-	-	-	-
Easement Stewardship	-	-	-	-	-	-	-	-
Travel	\$3,200	\$3,200	\$3,300	-	-	-	\$3,200	\$3,300
Professional Services	-	-	-	-	-	-	-	-
Direct Support Services	\$2,400	\$2,400	\$2,400	-	-	-	\$2,400	\$2,400
DNR Land Acquisition Costs	-	-	-	-	-	-	-	-
Capital Equipment	-	-	-	-	-	-	-	-
Other Equipment/Tools	\$100	\$1,100	\$1,200	-	-	-	\$100	\$1,200
Supplies/Materials	\$2,700	\$3,500	\$3,500	-	-	-	\$2,700	\$3,500
DNR IDP	-	-	-	-	-	-	-	-
<b>Grand Total</b>	<b>\$345,000</b>	<b>\$345,000</b>	<b>\$344,900</b>	<b>\$31,300</b>	<b>\$54,200</b>	-	<b>\$376,300</b>	<b>\$399,100</b>

**Personnel**

Position	Annual FTE	Years Working	Funding Request	Antic. Leverage	Leverage Source	Total
GRG Staff	0.11	5.0	\$43,100	\$34,200	City of Blaine, DNR, Volunteers	\$77,300



**Partner: Isanti SWCD**

**Totals**

Item	Requested	AP Amount	Spent	Antic. Leverage	Received Leverage	Leverage Source	Original Total	Final Total
Personnel	\$19,500	\$9,200	\$10,100	-	-	-	\$19,500	\$10,100
Contracts	\$210,000	\$221,800	\$220,800	\$25,000	\$62,100	Isanti County, DNR	\$235,000	\$282,900
Fee Acquisition w/ PILT	-	-	-	-	-	-	-	-
Fee Acquisition w/o PILT	-	-	-	-	-	-	-	-
Easement Acquisition	-	-	-	-	-	-	-	-
Easement Stewardship	-	-	-	-	-	-	-	-
Travel	\$200	-	-	-	-	-	\$200	-
Professional Services	-	-	-	\$5,000	-	-	\$5,000	-
Direct Support Services	\$1,300	-	-	-	-	-	\$1,300	-
DNR Land Acquisition Costs	-	-	-	-	-	-	-	-
Capital Equipment	-	-	-	-	-	-	-	-
Other Equipment/Tools	-	-	-	-	-	-	-	-
Supplies/Materials	-	-	-	\$1,500	-	-	\$1,500	-
DNR IDP	-	-	-	-	-	-	-	-
<b>Grand Total</b>	<b>\$231,000</b>	<b>\$231,000</b>	<b>\$230,900</b>	<b>\$31,500</b>	<b>\$62,100</b>	-	<b>\$262,500</b>	<b>\$293,000</b>

**Personnel**

Position	Annual FTE	Years Working	Funding Request	Antic. Leverage	Leverage Source	Total
Isanti SWCD Staff	0.04	3.0	\$10,100	-	-	\$10,100

**Partner: Minnesota Land Trust**

**Totals**

Item	Requested	AP Amount	Spent	Antic. Leverage	Received Leverage	Leverage Source	Original Total	Final Total
Personnel	\$54,000	\$58,300	\$56,300	-	-	-	\$54,000	\$56,300
Contracts	\$12,000	\$17,600	\$17,600	-	\$10,000	ACD	\$12,000	\$27,600
Fee Acquisition w/ PILT	-	-	-	-	-	-	-	-
Fee Acquisition w/o PILT	-	-	-	-	-	-	-	-
Easement Acquisition	\$200,000	\$185,100	\$185,100	\$45,000	\$35,500	Landowners	\$245,000	\$220,600
Easement Stewardship	\$40,000	\$40,000	\$40,000	-	-	-	\$40,000	\$40,000
Travel	\$2,000	\$1,500	\$1,500	-	-	-	\$2,000	\$1,500
Professional Services	\$31,400	\$34,000	\$34,000	-	-	-	\$31,400	\$34,000
Direct Support Services	\$10,600	\$13,500	\$14,800	\$10,600	-	-	\$21,200	\$14,800
DNR Land Acquisition Costs	-	-	-	-	-	-	-	-
Capital Equipment	-	-	-	-	-	-	-	-
Other Equipment/Tools	-	-	-	-	-	-	-	-
Supplies/Materials	-	-	-	-	-	-	-	-
DNR IDP	-	-	-	-	-	-	-	-
<b>Grand Total</b>	<b>\$350,000</b>	<b>\$350,000</b>	<b>\$349,300</b>	<b>\$55,600</b>	<b>\$45,500</b>	-	<b>\$405,600</b>	<b>\$394,800</b>

**Personnel**

Position	Annual FTE	Years Working	Funding Request	Antic. Leverage	Leverage Source	Total
Minnesota Land Trust Staff	0.15	4.0	\$56,300	-	-	\$56,300

**Partner: Stearns SWCD**

**Totals**

Item	Requested	AP Amount	Spent	Antic. Leverage	Received Leverage	Leverage Source	Original Total	Final Total
Personnel	\$9,700	\$9,700	\$9,700	\$6,000	\$20,300	Stearns County	\$15,700	\$30,000
Contracts	\$153,300	\$153,300	\$153,100	-	-	-	\$153,300	\$153,100
Fee Acquisition w/ PILT	-	-	-	-	-	-	-	-
Fee Acquisition w/o PILT	-	-	-	-	-	-	-	-
Easement Acquisition	-	-	-	-	-	-	-	-
Easement Stewardship	-	-	-	-	-	-	-	-
Travel	-	-	-	-	-	-	-	-
Professional Services	-	-	-	-	-	-	-	-
Direct Support Services	-	-	-	-	-	-	-	-
DNR Land Acquisition Costs	-	-	-	-	-	-	-	-
Capital Equipment	-	-	-	-	-	-	-	-
Other Equipment/Tools	-	-	-	-	-	-	-	-
Supplies/Materials	-	-	-	-	-	-	-	-
DNR IDP	-	-	-	-	-	-	-	-
<b>Grand Total</b>	<b>\$163,000</b>	<b>\$163,000</b>	<b>\$162,800</b>	<b>\$6,000</b>	<b>\$20,300</b>	-	<b>\$169,000</b>	<b>\$183,100</b>

**Personnel**

Position	Annual FTE	Years Working	Funding Request	Antic. Leverage	Leverage Source	Total
Stearns County SWCD Staff	0.08	3.0	\$9,700	\$20,300	Stearns County	\$30,000

**Direct Support Services**

**How did you determine which portions of the Direct Support Services of your shared support services is direct to this program?**

Great River Greening and Isanti SWCD calculated direct support services at 9% of LSOHC Funding Request for Personnel. Minnesota Land Trust calculated direct support services at 50% of their current application for a federal indirect expense rate, with the other 50% coming as leverage through the Land Trust's fundraising.

**Explain any budget challenges or successes:**

Streambank restoration projects are often some of the more complex projects, and prone to cost or timeline overruns. During this appropriation, the increasingly unpredictable water levels on the Rum and Mississippi Rivers, including exceptionally high water late into the spring in 2019 on the Rum, added to the challenges. This added to the cost of both projects to the point where CPL grants were needed to supplement.

**Total Revenue: \$0**

**Revenue Spent: \$0**

**Revenue Balance: \$0**

**Of the money disclosed above, what are the appropriate uses of the money:**

- E. This is not applicable as there was no revenue generated.



## Output Tables

### Acres by Resource Type (Table 1)

Type	Wetland (AP)	Wetland (Final)	Prairie (AP)	Prairie (Final)	Forest (AP)	Forest (Final)	Habitat (AP)	Habitat (Final)	Total Acres (AP)	Total Acres (Final)
Restore	0	0	35	0	0	0	0	0	35	0
Protect in Fee with State PILT Liability	0	0	0	0	0	0	0	0	0	0
Protect in Fee w/o State PILT Liability	0	0	0	0	0	0	0	0	0	0
Protect in Easement	0	181	0	0	0	86	80	0	80	267
Enhance	147	193	0	39	50	51	15	56	212	339
<b>Total</b>	<b>147</b>	<b>374</b>	<b>35</b>	<b>39</b>	<b>50</b>	<b>137</b>	<b>95</b>	<b>56</b>	<b>327</b>	<b>606</b>

### How many of these Prairie acres are Native Prairie? (Table 1b)

Type	Native Prairie (AP)	Native Prairie (Final)
Restore	0	0
Protect in Fee with State PILT Liability	0	0
Protect in Fee w/o State PILT Liability	0	0
Protect in Easement	0	0
Enhance	0	39
<b>Total</b>	<b>0</b>	<b>39</b>

### Total Requested Funding by Resource Type (Table 2)

Type	Wetland (AP)	Wetland (Final)	Prairie (AP)	Prairie (Final)	Forest (AP)	Forest (Final)	Habitat (AP)	Habitat (Final)	Total Funding (AP)	Total Funding (Final)
Restore	-	-	\$120,000	-	-	-	-	-	\$120,000	-
Protect in Fee with State PILT Liability	-	-	-	-	-	-	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-	-	-	-	-	-	-
Protect in Easement	-	\$140,700	-	-	-	\$203,400	\$350,000	-	\$350,000	\$344,100
Enhance	\$258,000	\$311,800	-	\$118,800	\$8,000	\$13,200	\$394,000	\$341,000	\$660,000	\$784,800
<b>Total</b>	<b>\$258,000</b>	<b>\$452,500</b>	<b>\$120,000</b>	<b>\$118,800</b>	<b>\$8,000</b>	<b>\$216,600</b>	<b>\$744,000</b>	<b>\$341,000</b>	<b>\$1,130,000</b>	<b>\$1,128,900</b>

### Acres within each Ecological Section (Table 3)

Type	Metro / Urban (AP)	Metro / Urban (Final)	Forest / Prairie (AP)	Forest / Prairie (Final)	SE Forest (AP)	SE Forest (Final)	Prairie (AP)	Prairie (Final)	N. Forest (AP)	N. Forest (Final)	Total (AP)	Total (Final)
Restore	35	0	0	0	0	0	0	0	0	0	35	0
Protect in Fee with State PILT Liability	0	0	0	0	0	0	0	0	0	0	0	0
Protect in	0	0	0	0	0	0	0	0	0	0	0	0

Fee w/o State PILT Liability												
Protect in Easement	80	267	0	0	0	0	0	0	0	0	80	267
Enhance	197	273	1	55	0	0	0	0	14	11	212	339
<b>Total</b>	<b>312</b>	<b>540</b>	<b>1</b>	<b>55</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>11</b>	<b>327</b>	<b>606</b>

## Total Requested Funding within each Ecological Section (Table 4)

Type	Metro/ Urban (AP)	Metro/ Urban (Final)	Forest / Prairie (AP)	Forest / Prairie (Final)	SE Fores t (AP)	SE Fores t (Final )	Prairi e (AP)	Prairi e (Final )	N. Forest (AP)	N. Forest (Final)	Total (AP)	Total (Final)
Restore	\$120,000	-	-	-	-	-	-	-	-	-	\$120,000	-
Protect in Fee with State PILT Liability	-	-	-	-	-	-	-	-	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-	-	-	-	-	-	-	-	-
Protect in Easeme nt	\$350,000	\$344,100	-	-	-	-	-	-	-	-	\$350,000	\$344,100
Enhance	\$266,000	\$422,100	\$163,000	\$162,800	-	-	-	-	\$231,000	\$199,900	\$660,000	\$784,800
<b>Total</b>	<b>\$736,000</b>	<b>\$766,200</b>	<b>\$163,000</b>	<b>\$162,800</b>	-	-	-	-	<b>\$231,000</b>	<b>\$199,900</b>	<b>\$1,130,000</b>	<b>\$1,128,900</b>

### Target Lake/Stream/River Feet or Miles

1.39 miles

## Outcomes

### Programs in forest-prairie transition region:

- Improved aquatic habitat indicators ~ *Ecological monitoring, data measured against DNR established norms and OHC protocols, and community engagement in long-term maintenance and monitoring activities.*
- Wetland and upland complexes will consist of native prairies, restored prairies, quality grasslands, and restored shallow lakes and wetlands ~ *Ecological monitoring, data measured against DNR established norms and OHC protocols, and community engagement in long-term maintenance and monitoring activities.*

### Programs in metropolitan urbanizing region:

- A network of natural land and riparian habitats will connect corridors for wildlife and species in greatest conservation need ~ *Ecological monitoring, data measured against DNR established norms and OHC protocols, and community engagement in long-term maintenance and monitoring activities.*

### Programs in the northern forest region:

- Increased availability and improved condition of riparian forests and other habitat corridors ~ *Ecological monitoring, data measured against DNR established norms and OHC protocols, and community engagement in long-term maintenance and monitoring activities.*

## Parcels

### Sign-up Criteria?

[Yes](#)

### Restore / Enhance Parcels

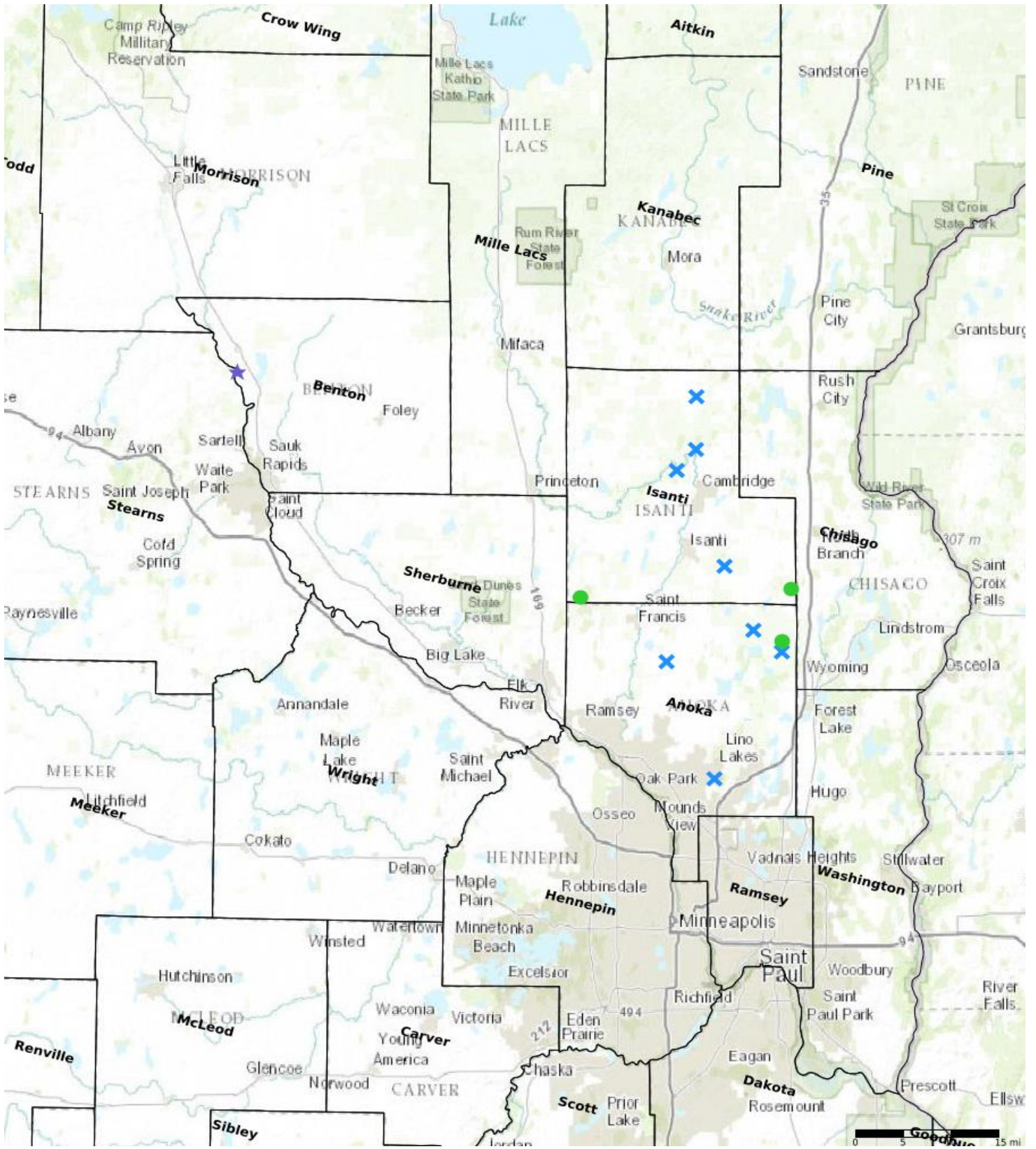
Name	County	TRDS	Acres	Est Cost	Existing Protection
GRG - Carlos Avery WMA	Anoka	03322214	33	\$120,000	Yes
GRG - Blaine Wetland Sanctuary South	Anoka	03123215	132	\$233,000	Yes
MLT - Robert and Marilyn Burman WMA	Anoka	03324223	9	\$5,200	Yes
ACD - Gordie Mikkelson WMA	Anoka	03322205	83	\$45,100	Yes
ISWCD - High Meadows Rum Re-Meander	Isanti	03623208	1	\$178,200	Yes
ISWCD - Medveckey Woods 1	Isanti	03423202	10	\$18,100	Yes
ISWCD - Becklin Homestead County Park	Isanti	03624224	6	\$13,000	Yes
ISWCD - Vegsund Family County Park	Isanti	03723217	10	\$21,700	Yes
SSWCD - Mississippi River Park Shoreline	Stearns	12628216	55	\$153,000	Yes

### Protect Parcels

Name	County	TRDS	Acres	Est Cost	Existing Protection
MLT - Sunrise River (Great River Energy)	Anoka	03322211	80	\$0	No
MLT - Barrett Hill (Barrett Farm LLC)	Isanti	03425220	86	\$132,150	No
MLT - Tamarack Lake (Hanon Trust)	Isanti	03422213	101	\$52,950	No



## Parcel Map



- Protect in Easement
- ▲ Protect in Fee with PILT
- Protect in Fee W/O PILT
- ★ Restore
- ✕ Enhance
- + Other