

# Lessard-Sams Outdoor Heritage Council

## Laws of Minnesota 2012 Final Report



**Date:** November 17, 2017

**Program or Project Title:** Anoka Sand Plain Habitat Restoration and Enhancement , Phase 2

**Funds Recommended:** \$1,050,000

**Manager's Name:** Wiley Buck

**Title:** Program Manager

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**Legislative Citation:** ML 2012, Ch. 264, Art. 1, Sec. 2, Subd. 2(i)

**Appropriation Language:** \$1,050,000 in the second year is to the commissioner of natural resources for agreements to restore and enhance habitat on public lands in the Anoka Sand Plain and along the Rum River as follows: \$558,750 to Great River Greening; \$99,400 to the Anoka Conservation District; and \$391,850 to the National Wild Turkey Federation. A list of proposed restorations and enhancements must be provided as part of the required accomplishment plan.

**County Locations:** Anoka, Benton, Chisago, Isanti, Morrison, and Sherburne.

**Regions in which work was completed:**

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

**Activity types:**

- Restore
- Enhance

**Priority resources addressed by activity:**

- Wetlands
- Forest
- Prairie

### Summary of Accomplishments:

With funding from the Outdoor Heritage Fund and other leveraged sources, the Anoka Sand Plain Partnership restored/enhanced 1,866 acres of priority wildlife habitat within the Anoka Sand Plain and in the Rum River watershed in east-central Minnesota.

### Process & Methods:

The participating members of the Anoka Sand Plain Partnership, Anoka Conservation District (ACD), Great River Greening (GRG), and National Wild Turkey Federation (NWTF), harnessed the expertise, resources, and connections of a broad community of committed conservation stakeholders to significantly elevate restoration and enhancement of oak savannas (Minnesota's most critically imperiled habitat), prairies, oak woodlands, grasslands, forests, and wetlands on public lands across the Anoka Sand Plain ecological region of east-central Minnesota.

The Anoka Sand Plain Partnership exceeded output targets, restoring/enhancing 1,866 acres of critical habitat on public lands in the project area. This exceeded output target of 1,355 acres restored/enhanced by 511 acres or 138%.

Acres R/E by habitat type:

- 139 acres of wetland habitat
- 1,150 acres of prairie/oak savanna habitat
- 577 acres of forest habitat

Acres R/E by restoration activity:

- 2,431 acres of woody invasive species management
- 292 acres of prescribed burning
- 4 acres of prairie seeding
- 139 acres of wetland restoration
- 19 acres of riverbank restoration

Note: acres by activity may be greater than output acres/project footprint when multiple restoration activities were performed on the same acre (such as invasive species removal and prescribed burning).

R/E work was completed across 11 public lands (see a full summary detailed in the final parcel list) including the following:

1. Allemansrätt Wilderness Park (Chisago County, GRG): Forest enhancement occurred on 40 acres of high diversity forest, through two stage invasive shrub control. Funds were used for subcontracted work, while ENRTF and local match were used for volunteer engagement and habitat enhancement of adjacent acres.
2. Anoka Nature Preserve (Anoka County, ACD): Habitat enhancement occurred on 148 acres of Anoka Nature Preserve through herbicide application of common buckthorn, prickly ash, and tartarian honeysuckle; prescribed burning of treated acres; and planting of native bare root trees and shrubs. Monitoring and chemical and mechanical control of invasive woody species continued after initial treatment, including mowing, stump spraying, and spot basal bark spraying to further reduce invasive regrowth and encourage desirable species.
3. Belle Prairie County Park (Morrison County, GRG): A total of 35 acres of oak savanna/woodland habitat was enhanced through sustained removal of woody invasive species including removal, stump treatment, and a prescribed burn; and a 4 acre old field was seeded into prairie.
4. Carlos Avery WMA (Anoka County, GRG): A total of 339 acres of high quality (MCBS) forest were enhanced with invasive woody removal, primarily invasive shrubs and black locust (*Robinia pseudoacacia*), with multiple treatments using subcontracted work and Greening crews.
5. Ereaux WMA (Morrison County, NWTF): A total of 288 oak woodland acres were enhanced by woody invasive species management through cutting, herbicide stump treatment, and burning of debris piles. Emergent invasive sprouts were later spot sprayed with herbicide. A portion of the site was also burned.
6. McDougall WMA (Morrison County, NWTF): A total 111 acres of Mississippi River high quality floodplain and terrace forest were treated for invasive buckthorn.
7. Rice Lake SNA (Sherburne County, GRG): A total of 23 acres of high quality oak savanna enhancement was completed with the removal of invasive shrubs using a two stage treatment of winter forestry mowing, followed by spring prescribed burning.
8. Rum River Wild Rice (Isanti County, GRG): This project included successful aerial spray of overabundant water lily and invasive cattail on Marget and Krone Lakes, two historic wild rice shallow lakes, to release viable wild rice seed bed and improve the success of supplemental seeding. This project also included wild rice seeding in Rum River backwaters, oxbows, and main channel. This project enhanced a total of 139 wetland acres.
9. Sartell WMA (Benton County, NWTF): A total of 170 oak woodland acres were enhanced through woody invasive species removal of buckthorn, honeysuckle, and overabundant red cedar, through cutting, herbicide stump treatment, and burning of debris piles. Emergent invasive sprouts were later spot sprayed with herbicide. A portion of the site was also burned.
10. Sherburne NWR (Sherburne County, GRG): A total of 519 acres of oak savanna enhancement work was completed as part of the large-scale restoration of refuge lands. Enhancement consisted of woody invasive species control and other activities, through both subcontract work and USFWS in-kind match.
11. Twin Lakes SNA (Isanti County, GRG): A total of 47 acres of forest were enhanced through the removal and treatment of common buckthorn (*Rhamnus cathartica*) and other invasive species. In addition, a forest gap of 3 acres of old field was planted with oak seedlings grown from acorns collected on site.

## Explain Partners, Supporters, & Opposition:

Anoka Sand Plain Partnership direct recipients, ACD, GRG, and NWTF, leveraged \$87,400 non-state matching funds from the City of Anoka, Conexus, East Central Energy, Ecological Society of America, MN Power, Morrison County, and Patagonia.

In addition to financial contribution, volunteers from Camp Ripley National Guard and Little Falls High School completed activities at Belle Prairie County Park; Wilderness Inquiry, MN DNR, and GRG volunteers contributed in-kind labor on Wild Rice projects; USFWS provided in-kind match at Sherburne NWR; and Anoka High School students planted trees and shrubs on the Anoka Nature Preserve. Also, volunteers collected and planted local ecotype oak acorns at Twin Lakes SNA; acorns were grown into seedlings at Bailey's

Nursery with donated services. Project supporters include the Friends of the Rum River Nature Area, NWTf State Board, and local NWTf chapters. The Sand Dunes State Forest action committee did not oppose the Sherburne NWR activities.

## Additional Comments:

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

Anoka Nature Preserve, ACD: The cost effective plan for buckthorn management was to treat and leave the trees to rot. However, the project site was too heavily infested and too public. Fortunately, ACD secured ENTRF funding through the DNR for a woody biomass harvest to compliment the treatment and removal of invasives.

Ereaux, Sartell, McDougall WMAs, NWTf: Invasive treatment bids that came in lower than anticipated enabled NWTf to move onto phase II, conducting prescribed burns. Challenges including the short burn season, tight burning restrictions, and the complexity of burning woodlands that haven't seen fire in a long time, limited acres enhanced.

Rum River Wild Rice, GRG: Despite challenges, this project included successful aerial spray of overabundant water lily and cattail to release viable wild rice seed; monitoring including unsprayed halves of lakes. Differences between stream and shallow lake approaches were refined and techniques continue to evolve.

## Other Funds Received:

- Environmental and Natural Resource Trust Fund

### How were the funds used to advanced the program:

On the Anoka Conservation District, Anoka Nature Preserve project site, the MN DNR provided \$75,000 from an ENRTF grant to conduct a woody biomass harvest, funding the removal and treatment of woody species and select eastern red cedar on 71 acres. On the Great River Greening Allemansratt Wilderness Park site, Greening brought \$46,400 ML2014 ENRTF grant funds to supplement restoration work. Total state funds leveraged equals \$121,400.

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

Site-specific resource management plans will be utilized to guide effective long-term management of targeted habitats and species. All land managers associated with sites have committed to the long-term maintenance of these habitat improvements in line with prescribed actions. A principle goal while implementing these projects has been to accelerate enhancement/restoration of respective sites and bring them to a point where on-going management costs are minimal, so the resource can be effectively maintained over time. The Anoka Sand Plain Partnership is committed to working with respective land management agencies (local, state and federal) and conservation organizations on an on-going basis to identify and procure financial resources for maintaining these improvements as needed, develop innovative maintenance strategies including long-term volunteer engagement, and otherwise assist in reducing the financial and capacity burden.

## Outcomes:

### *The original accomplishment plan stated the program would*

#### Programs in the northern forest region:

- Not Listed

#### How will the outcomes be measured and evaluated?

Not Listed

#### Programs in forest-prairie transition region:

- Not Listed

#### How will the outcomes be measured and evaluated?

Not Listed

#### Programs in metropolitan urbanizing region:

- Not Listed

**How will the outcomes be measured and evaluated?**

Not Listed

# Budget Spreadsheet

Final Budget line item reallocations are allowed up to 10% and do not need require an amendment to the Accomplishment Plan

Total Amount: \$1,050,000

## Budget and Cash Leverage

Budget Name	Request	Spent	Cash Leverage (anticipated)	Cash Leverage (received)	Leverage Source	Total (original)	Total (final)
Personnel	\$126,600	\$125,600	\$61,500	\$57,400	Morrison County, GRG, MN Power, NWTF, ESA, Co nexus, ECE, NWTF	\$188,100	\$183,000
Contracts	\$819,500	\$778,600	\$0	\$146,400	ML2014 LCCMR grant , ACD, DNR ENRTF Grant	\$819,500	\$925,000
Fee Acquisition w/ PILT	\$0	\$0	\$0	\$0		\$0	\$0
Fee Acquisition w/o PILT	\$0	\$0	\$0	\$0		\$0	\$0
Easement Acquisition	\$0	\$0	\$0	\$0		\$0	\$0
Easement Stewardship	\$0	\$0	\$0	\$0		\$0	\$0
Travel	\$17,000	\$12,300	\$0	\$0		\$17,000	\$12,300
Professional Services	\$0	\$0	\$0	\$0		\$0	\$0
Direct Support Services	\$0	\$0	\$0	\$0		\$0	\$0
DNR Land Acquisition Costs	\$0	\$0	\$0	\$0		\$0	\$0
Capital Equipment	\$0	\$0	\$0	\$0		\$0	\$0
Other Equipment/Tools	\$7,500	\$6,500	\$0	\$0		\$7,500	\$6,500
Supplies/Materials	\$79,400	\$66,400	\$10,000	\$5,000	City of Anoka	\$89,400	\$71,400
DNR IDP	\$0	\$0	\$0	\$0		\$0	\$0
<b>Total</b>	<b>\$1,050,000</b>	<b>\$989,400</b>	<b>\$71,500</b>	<b>\$208,800</b>		<b>\$1,121,500</b>	<b>\$1,198,200</b>

## Personnel

Position	FTE	Over # of years	Spent	Cash Leverage	Leverage Source	Total
GRG Staff	0.66	3.00	\$83,700	\$51,400	Morrison County, GRG , MN Power, NWTF, ESA, Co nexus, ECE	\$135,100
Manager of Programs (ACD)	0.02	3.00	\$31,800	\$0		\$31,800
NWTF Staff	0.13	3.00	\$10,100	\$6,000	NWTF	\$16,100
<b>Total</b>	<b>0.81</b>	<b>9.00</b>	<b>\$125,600</b>	<b>\$57,400</b>		<b>\$183,000</b>

## Budget and Cash Leverage by Partnership

Budget Name	Partnership	Request	Spent	Cash Leverage (anticipated)	Cash Leverage (received)	Leverage Source	Original AP Total	Total Spent
Personnel	GRG	\$94,700	\$83,700	\$55,500	\$51,400	Morrison County, GRG, MN Power, NWTF, ESA, Conexus, ECE	\$150,200	\$135,100
Contracts	GRG	\$382,500	\$422,900	\$0	\$46,400	ML2014 LCCMR grant	\$382,500	\$469,300
Fee Acquisition w/ PILT	GRG	\$0	\$0	\$0	\$0		\$0	\$0
Fee Acquisition w/o PILT	GRG	\$0	\$0	\$0	\$0		\$0	\$0
Easement Acquisition	GRG	\$0	\$0	\$0	\$0		\$0	\$0
Easement Stewardship	GRG	\$0	\$0	\$0	\$0		\$0	\$0
Travel	GRG	\$13,000	\$11,000	\$0	\$0		\$13,000	\$11,000
Professional Services	GRG	\$0	\$0	\$0	\$0		\$0	\$0
Direct Support Services	GRG	\$0	\$0	\$0	\$0		\$0	\$0
DNR Land Acquisition Costs	GRG	\$0	\$0	\$0	\$0		\$0	\$0
Capital Equipment	GRG	\$0	\$0	\$0	\$0		\$0	\$0
Other Equipment/Tools	GRG	\$7,500	\$6,500	\$0	\$0		\$7,500	\$6,500
Supplies/Materials	GRG	\$61,000	\$27,100	\$5,000	\$0		\$66,000	\$27,100
DNR IDP	GRG	\$0	\$0	\$0	\$0		\$0	\$0
<b>Total</b>		<b>\$558,700</b>	<b>\$551,200</b>	<b>\$60,500</b>	<b>\$97,800</b>		<b>\$619,200</b>	<b>\$649,000</b>

**Personnel - GRG**

Position	FTE	Over # of years	Spent	Cash Leverage	Leverage Source	Total
GRG Staff	0.66	3.00	\$83,700	\$51,400	Morrison County, GRG, MN Power, NWTF, ESA, Conexus, ECE	\$135,100
<b>Total</b>	<b>0.66</b>	<b>3.00</b>	<b>\$83,700</b>	<b>\$51,400</b>		<b>\$135,100</b>

Budget Name	Partnership	Request	Spent	Cash Leverage (anticipated)	Cash Leverage (received)	Leverage Source	Original AP Total	Total Spent
Personnel	ACD	\$3,000	\$31,800	\$0	\$0		\$3,000	\$31,800
Contracts	ACD	\$78,000	\$28,300	\$0	\$100,000	ACD, DNR ENRTF Grant	\$78,000	\$128,300
Fee Acquisition w/ PILT	ACD	\$0	\$0	\$0	\$0		\$0	\$0
Fee Acquisition w/o PILT	ACD	\$0	\$0	\$0	\$0		\$0	\$0
Easement Acquisition	ACD	\$0	\$0	\$0	\$0		\$0	\$0
Easement Stewardship	ACD	\$0	\$0	\$0	\$0		\$0	\$0
Travel	ACD	\$0	\$0	\$0	\$0		\$0	\$0
Professional Services	ACD	\$0	\$0	\$0	\$0		\$0	\$0
Direct Support Services	ACD	\$0	\$0	\$0	\$0		\$0	\$0
DNR Land Acquisition Costs	ACD	\$0	\$0	\$0	\$0		\$0	\$0
Capital Equipment	ACD	\$0	\$0	\$0	\$0		\$0	\$0
Other Equipment/Tools	ACD	\$0	\$0	\$0	\$0		\$0	\$0
Supplies/Materials	ACD	\$18,400	\$39,300	\$5,000	\$5,000	City of Anoka	\$23,400	\$44,300
DNR IDP	ACD	\$0	\$0	\$0	\$0		\$0	\$0
<b>Total</b>		<b>\$99,400</b>	<b>\$99,400</b>	<b>\$5,000</b>	<b>\$105,000</b>		<b>\$104,400</b>	<b>\$204,400</b>

**Personnel - ACD**

Position	FTE	Over # of years	Spent	Cash Leverage	Leverage Source	Total
Manager of Programs (ACD)	0.02	3.00	\$31,800	\$0		\$31,800
<b>Total</b>	<b>0.02</b>	<b>3.00</b>	<b>\$31,800</b>	<b>\$0</b>		<b>\$31,800</b>

Budget Name	Partnership	Request	Spent	Cash Leverage (anticipated)	Cash Leverage (received)	Leverage Source	Original AP Total	Total Spent
Personnel	NWTF	\$28,900	\$10,100	\$6,000	\$6,000	NWTF	\$34,900	\$16,100
Contracts	NWTF	\$359,000	\$327,400	\$0	\$0		\$359,000	\$327,400
Fee Acquisition w/ PILT	NWTF	\$0	\$0	\$0	\$0		\$0	\$0
Fee Acquisition w/o PILT	NWTF	\$0	\$0	\$0	\$0		\$0	\$0
Easement Acquisition	NWTF	\$0	\$0	\$0	\$0		\$0	\$0
Easement Stewardship	NWTF	\$0	\$0	\$0	\$0		\$0	\$0
Travel	NWTF	\$4,000	\$1,300	\$0	\$0		\$4,000	\$1,300
Professional Services	NWTF	\$0	\$0	\$0	\$0		\$0	\$0
Direct Support Services	NWTF	\$0	\$0	\$0	\$0		\$0	\$0
DNR Land Acquisition Costs	NWTF	\$0	\$0	\$0	\$0		\$0	\$0
Capital Equipment	NWTF	\$0	\$0	\$0	\$0		\$0	\$0
Other Equipment/Tools	NWTF	\$0	\$0	\$0	\$0		\$0	\$0
Supplies/Materials	NWTF	\$0	\$0	\$0	\$0		\$0	\$0
DNR IDP	NWTF	\$0	\$0	\$0	\$0		\$0	\$0
Total		\$391,900	\$338,800	\$6,000	\$6,000		\$397,900	\$344,800

### Personnel - NWTF

Position	FTE	Over # of years	Spent	Cash Leverage	Leverage Source	Total
NWTF Staff	0.13	3.00	\$10,100	\$6,000	NWTF	\$16,100
Total	0.13	3.00	\$10,100	\$6,000		\$16,100

### Explain any budget challenges or successes:

Many bids came in lower than anticipated and contractors proved cost-effective, enabling partners to restore and enhance more acres than originally planned. However, with bids coming in lower than anticipated and weather challenges during prescribed burn season, not all grant funds were expended.

Note budget reporting error correction: NWTF reported \$373,642 expended on the 1/2017 status report. This figure has been corrected to \$338,900 on the final report.

### All revenues received by the recipient that have been generated from activities on land with money from the OHF:

Total Revenue: \$0

Revenue Spent: \$0

Revenue Balance: \$0

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

## Output Tables

**Table 1a. Acres by Resource Type**

Type	Wetlands (original)	Wetlands (final)	Prairies (original)	Prairies (final)	Forest (original)	Forest (final)	Habitats (original)	Habitats (final)	Total (original)	Total (final)
Restore	0	0	4	4	3	3	0	0	7	7
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	0	0	0	0	0	0	0	0	0
Enhance	100	139	878	1,146	377	574	0	0	1,355	1,859
Total	100	139	882	1,150	380	577	0	0	1,362	1,866

**Table 1b. How many of these Prairie acres are Native Prairie?**

Type	Native Prairie (original)	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	0
Total	0	0

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

Type	Wetlands (original)	Wetlands (final)	Prairies (original)	Prairies (final)	Forest (original)	Forest (final)	Habitats (original)	Habitats (final)	Total (original)	Total (final)
Restore	\$0	\$0	\$13,100	\$13,000	\$18,000	\$16,000	\$0	\$0	\$31,100	\$29,000
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	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Enhance	\$50,000	\$46,800	\$567,600	\$501,700	\$401,300	\$411,900	\$0	\$0	\$1,018,900	\$960,400
Total	\$50,000	\$46,800	\$580,700	\$514,700	\$419,300	\$427,900	\$0	\$0	\$1,050,000	\$989,400

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

Type	Metro Urban (original)	Metro Urban (final)	ForestPrairie (original)	Forest Prairie (final)	SEForest (original)	SE Forest (final)	Prairie (original)	Prairie (final)	N Forest (original)	N Forest (final)	Total (original)	Total (final)
Restore	3	3	4	4	0	0	0	0	0	0	7	7
Protect in Fee with State PILT Liability	0	0	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	0	0
Protect in Easement	0	0	0	0	0	0	0	0	0	0	0	0
Enhance	990	1,162	325	604	0	0	0	0	40	93	1,355	1,859
Total	993	1,165	329	608	0	0	0	0	40	93	1,362	1,866



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

Type	Metro Urban (original)	Metro Urban (final)	ForestPrairie (original)	Forest Prairie (final)	SE Forest (original)	SE Forest (final)	Prairie (original)	Prairie (final)	N Forest (original)	N Forest (final)	Total (original)	Total (final)
Restore	\$46,700	\$16,000	\$23,100	\$13,000	\$0	\$0	\$0	\$0	\$0	\$0	\$69,800	\$29,000
Protect in Fee with State PILT Liability	\$0	\$0	\$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	\$0	\$0
Protect in Easement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Enhance	\$505,400	\$489,500	\$454,800	\$420,500	\$0	\$0	\$0	\$0	\$20,000	\$50,400	\$980,200	\$960,400
Total	\$552,100	\$505,500	\$477,900	\$433,500	\$0	\$0	\$0	\$0	\$20,000	\$50,400	\$1,050,000	\$989,400

**Target Lake/Stream/River Feet or Miles (original)**

0

**Target Lake/Stream/River Feet or Miles (final)**

.19 miles

**Explain the success/shortage of acre goals:**

Several projects came in under budget, largely due to successful implementation of competitive RFP processes, judicious use of in-house crews and volunteers, and sufficient seed supply to meet overall demand. These budget successes, along with leveraged in-kind and cash match, translated into additional R/E acreage. Therefore, the partnership exceeded output targets, restoring/enhancing 1,866 acres of critical habitat, 138% of output target of 1,355 acres.

## Parcel List

### Section 1 - Restore / Enhance Parcel List

#### Anoka

Name	TRDS	Acres	Total Cost	Existing Protection?	Description
Anoka Nature Preserve	03225225	148	\$99,400	Yes	Invasive species treatment/removal across oak woodland habitat
Carlos Avery WMA	03321216	339	\$247,100	Yes	Woody invasive species management.
Rum River Wild Rice	03624224	139	\$46,800	Yes	Wild rice restoration along the Rum River, two shallow lakes

#### Benton

Name	TRDS	Acres	Total Cost	Existing Protection?	Description
Sartell WMA	03829215	170	\$141,198	Yes	Enhancement of oak-brush savanna, oak woodland and prairie through exotic and native woody species control

#### Chisago

Name	TRDS	Acres	Total Cost	Existing Protection?	Description
Allemansratt Wilderness Park	03420228	40	\$30,400	Yes	Enhancement of Big Woods forest through woody invasive control

#### Isanti

Name	TRDS	Acres	Total Cost	Existing Protection?	Description
Twin Lakes SNA	03422211	50	\$51,000	Yes	Forest woody invasive management, planting

#### Morrison

Name	TRDS	Acres	Total Cost	Existing Protection?	Description
Belle Prairie County Park	04132214	39	\$92,200	Yes	Woody invasive removal in oak savanna and prairie habitats; prescribed fire; prairie restoration
Ereaux WMA	04131230	288	\$138,267	Yes	Enhancement of high quality oak woodland and prairie through woody invasive species management
McDougall	03928229	111	\$61,800	Yes	Enhancement of oak woodland, deciduous woodland, oak savanna and grassland through control of exotic and native woody invasive species

#### Sherburne

Name	TRDS	Acres	Total Cost	Existing Protection?	Description
Rice Lake SNA (Phase 2)	03529211	23	\$23,350	Yes	Prescribed fire and woody invasive removal across oak woodland and savanna habitat
Sherburne NWR	03528216	519	\$57,800	Yes	Prescribed fire added to two new burn units, seeding for oak restoration; thinning of overgrown oak savanna

### Section 2 - Protect Parcel List

No parcels with an activity type protect.

#### Section 2a - Protect Parcel with Bldgs

No parcels with an activity type protect and has buildings.

### Section 3 - Other Parcel Activity

No parcels with an other activity type.

## Completed Parcel: Allemansratt Wilderness Park

# of Total Acres:	40
County:	Chisago
Township:	034
Range:	20
Direction:	2
Section:	28
# of Acres: Wetlands/Upland:	
# of Acres: Forest:	40
# of Acres: Prairie/Grassland:	
Amount of Shoreline:	
Name of Adjacent Body of Water (if applicable):	
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	\$30,405

## Completed Parcel: Anoka Nature Preserve

# of Total Acres:	148
County:	Anoka
Township:	032
Range:	25
Direction:	2
Section:	25
# of Acres: Wetlands/Upland:	
# of Acres: Forest:	148
# of Acres: Prairie/Grassland:	
Amount of Shoreline:	
Name of Adjacent Body of Water (if applicable):	
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	\$99,400

## Completed Parcel: Belle Prairie County Park

# of Total Acres:	39
County:	Morrison
Township:	041
Range:	32
Direction:	2
Section:	14
# of Acres: Wetlands/Upland:	
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	39
Amount of Shoreline:	
Name of Adjacent Body of Water (if applicable):	
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	\$92,200

## Completed Parcel: Carlos Avery WMA

# of Total Acres:	339
County:	Anoka
Township:	033
Range:	21
Direction:	2
Section:	16
# of Acres: Wetlands/Upland:	
# of Acres: Forest:	339
# of Acres: Prairie/Grassland:	
Amount of Shoreline:	
Name of Adjacent Body of Water (if applicable):	
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	\$247,140

## Completed Parcel: Ereaux WMA

# of Total Acres:	288
County:	Morrison
Township:	041
Range:	31
Direction:	2
Section:	30
# of Acres: Wetlands/Upland:	
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	288
Amount of Shoreline:	
Name of Adjacent Body of Water (if applicable):	
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	\$138,267

## Completed Parcel: McDougall

# of Total Acres:	111
County:	Morrison
Township:	039
Range:	28
Direction:	2
Section:	29
# of Acres: Wetlands/Upland:	
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	111
Amount of Shoreline:	
Name of Adjacent Body of Water (if applicable):	
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	\$61,831



## Completed Parcel: Rice Lake SNA (Phase 2)

# of Total Acres:	23
County:	Sherburne
Township:	035
Range:	29
Direction:	2
Section:	11
# of Acres: Wetlands/Upland:	
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	23
Amount of Shoreline:	
Name of Adjacent Body of Water (if applicable):	Rice Lake
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	\$23,350

## Completed Parcel: Rum River Wild Rice

# of Total Acres:	139
County:	Anoka
Township:	036
Range:	24
Direction:	2
Section:	24
# of Acres: Wetlands/Upland:	139
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	
Amount of Shoreline:	
Name of Adjacent Body of Water (if applicable):	Rum River
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	\$46,775

## Completed Parcel: Sartell WMA

# of Total Acres:	170
County:	Benton
Township:	038
Range:	29
Direction:	2
Section:	15
# of Acres: Wetlands/Upland:	
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	170
Amount of Shoreline:	
Name of Adjacent Body of Water (if applicable):	Little Rock Creek
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	\$141,198

## Completed Parcel: Sherburne NWR

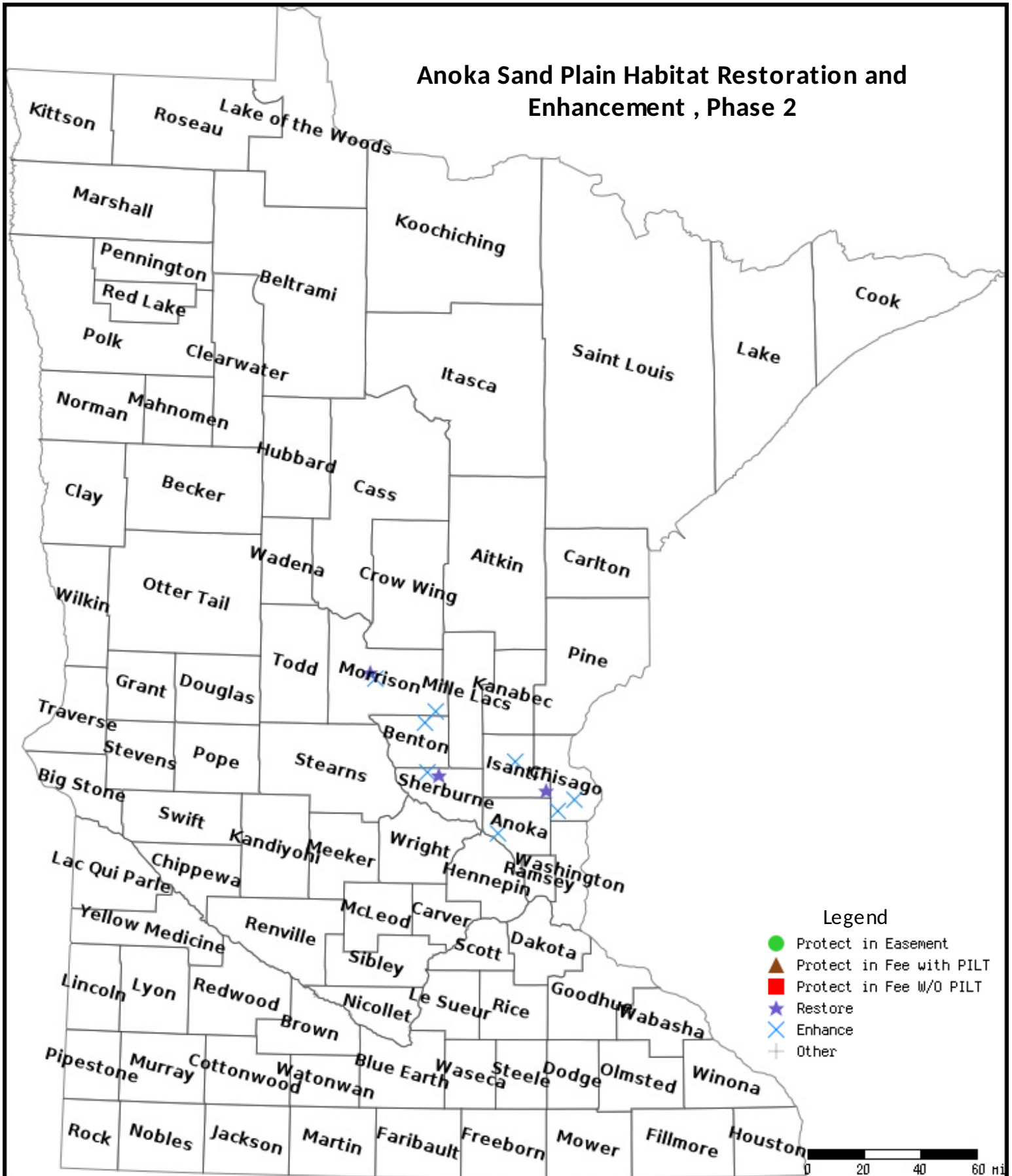
# of Total Acres:	519
County:	Sherburne
Township:	035
Range:	28
Direction:	2
Section:	16
# of Acres: Wetlands/Upland:	
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	519
Amount of Shoreline:	
Name of Adjacent Body of Water (if applicable):	
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	\$57,828

## Completed Parcel: Twin Lakes SNA

# of Total Acres:	50
County:	Isanti
Township:	034
Range:	22
Direction:	2
Section:	11
# of Acres: Wetlands/Upland:	
# of Acres: Forest:	50
# of Acres: Prairie/Grassland:	
Amount of Shoreline:	
Name of Adjacent Body of Water (if applicable):	Horseshoe Lake
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	\$51,000

# Parcel Map

## Anoka Sand Plain Habitat Restoration and Enhancement , Phase 2



- Legend
- Protect in Easement
  - ▲ Protect in Fee with PILT
  - Protect in Fee W/O PILT
  - ★ Restore
  - × Enhance
  - ⊕ Other

