

Lessard-Sams Outdoor Heritage Council

Laws of Minnesota 2014 Final Report



Date: January 15, 2020

Program or Project Title: Anoka Sandplain Habitat Restoration and Enhancement, Phase 3

Funds Recommended: \$1,190,000

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Legislative Citation: ML 2014, Ch. 256, Art. 1, Sec. 2, Subd. 2(i)

Appropriation Language: \$1,190,000 in the second year is to the commissioner of natural resources for agreements to restore and enhance wildlife habitat on public lands in Anoka, Benton, Isanti, Morrison, Sherburne, and Stearns Counties as follows: \$155,000 is to Anoka Conservation District; \$79,000 is to Isanti County Parks Department; \$901,000 is to Great River Greening; and \$55,000 is to Stearns County Soil and Water Conservation District. A list of proposed land restorations and enhancements must be provided as part of the required accomplishment plan.

County Locations: Anoka, Benton, Isanti, Morrison, Sherburne, and Stearns.

Eco 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
- Habitat

Summary of Accomplishments:

The Anoka Sand Plain Partnership restored / enhanced 3,714 acres of priority prairie, savanna, forest, wetland, and shoreline habitat on public lands and waters within the Anoka Sand Plain EcoRegion within the Metropolitan Urbanizing, Forest-Prairie, and Northern Forest regions. Total R/E acreage achieved over the course of the appropriation is 126% of our stated acreage goals, and was accomplished through a robust partnership of four direct recipients improving a total of 16 priority sites including WMAs, state forest, national wildlife refuges, city and county lands.

Process & Methods:

The Anoka Sand Plain Partnership includes government agencies and organizations working to protect, enhance and restore the lands and waters of the Anoka Sand Plain.

Problems Addressed

Wildlife 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 Sandplain - 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 CWCP identifies maintenance, enhancement and protection of oak savannas as its first priority in addressing the 97 Species of Greatest Conservation Need (SGCN) occurring in this ecological subsection.
3. Government agencies often lack sufficient resources/capacity to manage important lands. Inadequate funding/capacity for restoration activities on public lands has resulted in declines in the condition of Minnesota's most important wildlife habitats.

Scope of Work

The following outcomes were realized:

1. Expansion of ongoing restoration/enhancement to 16 new project areas;
2. Restoration/enhancement of 3,714 acres, 126% of our 2,952 acres goal, of habitat across priority lands and waters.

Direct recipients and their project sites in this program were:

1. Anoka Conservation District

- a. Beach Conservation Easement - 51 acres were restored by control of non-native invasive herbaceous and shrub species, and interseeding with pollinator species.
- b. Rum River Riparian Restoration (Cedar Creek Conservation Area, Rum River Central Regional Park) – One mile of eroding riverbank has been identified along the Rum River on public lands, impacting habitat for fish species. Actions: Enhancement of 970 feet of riparian and adjacent instream habitat through installation of weirs, cedar revetments, and willow staking.
- c. Martin-Island-Linwood Regional Park – Anoka County supports over 3,000 acres of high quality (MCBS mapped) natural forest habitat on public lands, Actions: Enhancement of 79 acres of MCBS forest habitat, treated at the very effective early detection / low density phase of infestation.
- c. Linwood Community Forest – Anoka County supports over 3,000 acres of high quality (MCBS mapped) natural forest habitat on public lands, Actions: Enhancement of 72 acres of MCBS forest habitat through buckthorn control treated at the very effective early detection / low density phase of infestation.

2. Great River Greening

- a. Sand Dunes State Forest – The MnDNR's SDSF Operational Plan (2013), developed to bring balance between economic and ecological assets of the Forest, identifies 630 acres of the 5,700-acre forest for immediate action to address imperiled native plant communities and rare species; an unanticipated public process was then initiated during this appropriation. Actions: Enhancement of 178 acres of priority habitat through invasive species control.
- b. Sherburne NWR, Phase 3 – This 30,700-acre refuge was created to protect/restore habitats for migratory birds and other wildlife, with a focus on oak savanna, wetlands and Big Woods habitat. Actions: Construction of 19 miles of fence, encompassing 9600 acres, and initiation of conservation grazing on 2134 acres (527 wetland, 1607 oak savanna).
- c. Crane Meadows NWR – Crane Meadows was established to preserve the state's largest sedge meadow wetland complex and associated breeding sandhill crane population, and includes a diverse mix of native prairie, savanna, and wetlands. Actions: Enhancement of 480 acres of habitat through woody thinning/control, seeding, and tree planting.
- d. BenLacs WMA – This 569-acre WMA includes forest interspersed with wetlands, offering diverse recreational opportunities ranging from hunting/fishing to skiing. Actions: Enhancement of 322 acres of mixed forest and wetland habitat through woody invasive species control.
- e. McDougall Homestead WMA – This 228-acre WMA of high-quality floodplain forest, oak woodland and restored prairie, lies along the Mississippi River and is home to more than 30 SGCN. Actions: Enhancement of 83 acres of oak woodland and forest, through woody invasive species control, plus enhancement of 35 acres of prairie with inter-plugging of pollinator forbs.
- f. Sand Prairie WMA, Phase 2 – This 700-acre WMA is characterized by prairie and aspen/oak woodland, and is the first designated Environmental Education Area in the state, providing strong connections to local schools/colleges. Actions: Enhancement of 134 acres of oak woodland and prairie through invasive species control.
- g. Kelsey Round Lake Park – Situated on Round Lake, the park's woodlands and restored prairies provide habitat for many species ranging from waterfowl and songbirds to Blanding's turtles. Actions: Enhancement of 28 acres of Big Woods forest through invasive species control and planting.

3. Isanti County Parks

- a. Vegsund County Park – This 80-acre park consists of oak woodland, restored prairies, wetlands, along 1/2 mile of Lake Seventeen's

undeveloped shoreline, an attractive fishery. Actions: Enhancement of 15 acres of woodland through removal of woody invasive species and prescribed burning

b. Irving and John Anderson County Park – The 174-acre park lies adjacent to Horseshoe and Horse Leg lakes, and consists of wetlands, prairie and oak savanna/woodland in the process of restoration. Actions: Enhancement of 18 acres of oak woodland through removal of woody invasive control and prescribed fire.

c. Springvale County Park, Phase 2 – This 211-acre park is situated on Johnny's Lake and lies on rolling eskers of prairie, woodlands and wetlands. Actions: Enhancement of 34 acres of oak woodland through removal of woody invasive control and prescribed burning.

d. Cambridge City Park – This 151-acre park protects floodplain forest situated along 1.5 miles of the Wild & Scenic Rum River. Actions: Enhancement of 39 acres of floodplain forest through woody invasive control.

4. Stearns SWCD

a. Mississippi River County Park – This 340-acre park contains 1.3 miles of 80 acres of upland forest and restored prairie. Actions: Enhancement of forest through invasive species control; restoration of 155 feet of river shoreline.

Explain Partners, Supporters, & Opposition:

The Anoka Sand Plain partnership consists of >25 agencies and organizations; 4 of these partners were direct recipients. Much of the shoreline and acres that were restored/enhanced are owned by a variety of engaged landowners.

At the request of local stakeholder group, MnDNR reconvened a multi-year second public input process to review their Sand Dunes State Forest plan. Once completed, this resulted in a significant redirection in plans and reduced scope for the SDSF restoration and enhancement project, compared to the original proposal.

Additional Comments:

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

The Anoka Sand Plain's unique geology creates a mosaic of rare sand dunes, prairie, oak savanna, woodland, wetlands, and lakes. The Wild&Scenic Mississippi and Rum Rivers are also within the ASP. The ASP Partnership is committed to increased protection, restoration, and enhancement that will lead to a landscape that will provide high quality habitat cores and corridors, recreational opportunities, clean water, and engage a community that values its remarkable natural resources. The ASP Partnership recently completed a 10-year strategic plan, available at greatrivergreening.org/anoka-sandplain/ to guide our efforts including those supported by the Outdoor Heritage Fund.

Other Funds Received:

- Not Listed

How were the funds used to advanced the program:

Although the ASP Partnership is using and pursuing funds available through other constitutional funds (Environmental and Natural Resources Trust Fund and Clean Water Fund, specifically) to achieve its goals in the Anoka Sandplain, none of those funds are being tapped to simultaneously address the habitat restoration and enhancement needs proposed here.

This proposal to LSOHC for Outdoor Heritage Fund support does not supplant any other sources of funds. In all cases, this proposal and the projects to be completed accelerate habitat work in the Anoka Sandplain.

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

Responsibility for the maintenance of restored and enhanced areas primarily lies with landowners after the end of the grant appropriation, with monitoring and partnership assistance by direct recipients.

Reducing re-infestation of non-native invasive species is addressed by both innovative long term approaches (e.g. conservation grazing) as well as selection of sites with low level of current infestation and the correlated seed bank of invasive species, and fire-dependent habitats that allow for the use of that important tool. For sites that had moderate to severe infestations of non-native species, budget estimates shared with landowners include: \$500/acre every 2-3 years for invasive shrubs; \$150-\$250/acre for spot treatment of invasive herbaceous species.

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:

- Improved aquatic habitat vegetation
- Protected, restored, and enhanced aspen parklands and riparian areas
- Protected, restored, and enhanced nesting and migratory habitat for waterfowl, upland birds, and species of greatest conservation need
- Wetland and upland complexes will consist of native prairies, restored prairies, quality grasslands, and restored shallow lakes and wetlands

How will the outcomes be measured and evaluated?

Acreage and shoreline are measured by mapping work area polygons onto ArcGIS software which calculates area and distance. Periodic evaluation and monitoring is the responsibility of each direct recipient.

Programs in metropolitan urbanizing region:

- A network of natural land and riparian habitats will connect corridors for wildlife and species in greatest conservation need
- Core areas protected with highly biologically diverse wetlands and plant communities, including native prairie, Big Woods, and oak savanna

How will the outcomes be measured and evaluated?

Acreage and shoreline are measured by mapping work area polygons onto ArcGIS software which calculates area and distance. Periodic evaluation and monitoring is the responsibility of each direct recipient.

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: \$1,190,000

Budget and Cash Leverage

BudgetName	Request	Spent	Cash Leverage (anticipated)	Cash Leverage (received)	Leverage Source	Total (original)	Total (final)
Personnel	\$118,900	\$139,500	\$40,400	\$44,500	Great River Greening, USFWS, NWTF, Anoka County; Anoka SWCD	\$159,300	\$184,000
Contracts	\$1,039,500	\$872,700	\$92,000	\$81,800	City of Anoka; Anoka County, Isanti County Parks; City of Cambridge	\$1,131,500	\$954,500
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	\$4,100	\$4,700	\$0	\$0		\$4,100	\$4,700
Professional Services	\$0	\$2,500	\$15,000	\$0	Mn NPEAP	\$15,000	\$2,500
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	\$13,600	\$13,500	\$0	\$0		\$13,600	\$13,500
Supplies/Materials	\$13,900	\$14,200	\$3,900	\$0	Anoka PF; Anoka SWCD	\$17,800	\$14,200
DNR IDP	\$0	\$0	\$0	\$0		\$0	\$0
Total	\$1,190,000	\$1,047,100	\$151,300	\$126,300		\$1,341,300	\$1,173,400

Personnel

Position	FTE	Over # of years	Spent	Cash Leverage	Leverage Source	Total
Dir. Finance	0.07	3.00	\$18,000	\$0		\$18,000
Grant Admin Asst.	0.04	3.00	\$10,000	\$0		\$10,000
Project Manager/Ecologist	0.15	3.00	\$23,600	\$38,000	Great River Greening, USFWS, NWTF	\$61,600
Field Tech	0.29	3.00	\$30,000	\$0		\$30,000
Dir. Conservation Programs	0.10	3.00	\$20,000	\$0		\$20,000
Project Manager	0.14	3.00	\$22,100	\$6,500	Anoka County; Anoka SWCD	\$28,600
Technician	0.03	3.00	\$15,800	\$0		\$15,800
Total	0.82	21.00	\$139,500	\$44,500		\$184,000

Budget and Cash Leverage by Partnership

BudgetName	Partnership	Request	Spent	Cash Leverage (anticipated)	Cash Leverage (received)	Leverage Source	Original AP Total	Total Spent
Personnel	Stearns SWCD	\$0	\$0	\$0	\$0		\$0	\$0
Contracts	Stearns SWCD	\$55,000	\$52,500	\$0	\$0		\$55,000	\$52,500
Fee Acquisition w/ PILT	Stearns SWCD	\$0	\$0	\$0	\$0		\$0	\$0
Fee Acquisition w/o PILT	Stearns SWCD	\$0	\$0	\$0	\$0		\$0	\$0
Easement Acquisition	Stearns SWCD	\$0	\$0	\$0	\$0		\$0	\$0
Easement Stewardship	Stearns SWCD	\$0	\$0	\$0	\$0		\$0	\$0
Travel	Stearns SWCD	\$0	\$0	\$0	\$0		\$0	\$0
Professional Services	Stearns SWCD	\$0	\$2,500	\$0	\$0		\$0	\$2,500
Direct Support Services	Stearns SWCD	\$0	\$0	\$0	\$0		\$0	\$0
DNR Land Acquisition Costs	Stearns SWCD	\$0	\$0	\$0	\$0		\$0	\$0
Capital Equipment	Stearns SWCD	\$0	\$0	\$0	\$0		\$0	\$0
Other Equipment/Tools	Stearns SWCD	\$0	\$0	\$0	\$0		\$0	\$0
Supplies/Materials	Stearns SWCD	\$0	\$0	\$0	\$0		\$0	\$0
DNR IDP	Stearns SWCD	\$0	\$0	\$0	\$0		\$0	\$0
Total		\$55,000	\$55,000	\$0	\$0		\$55,000	\$55,000

BudgetName	Partnership	Request	Spent	Cash Leverage (anticipated)	Cash Leverage (received)	Leverage Source	Original AP Total	Total Spent
Personnel	Great River Greening	\$96,300	\$101,600	\$33,900	\$38,000	Great River Greening, USFWS, NWTF	\$130,200	\$139,600
Contracts	Great River Greening	\$783,300	\$634,200	\$0	\$0		\$783,300	\$634,200
Fee Acquisition w/ PILT	Great River Greening	\$0	\$0	\$0	\$0		\$0	\$0
Fee Acquisition w/o PILT	Great River Greening	\$0	\$0	\$0	\$0		\$0	\$0
Easement Acquisition	Great River Greening	\$0	\$0	\$0	\$0		\$0	\$0
Easement Stewardship	Great River Greening	\$0	\$0	\$0	\$0		\$0	\$0
Travel	Great River Greening	\$4,100	\$4,700	\$0	\$0		\$4,100	\$4,700
Professional Services	Great River Greening	\$0	\$0	\$0	\$0		\$0	\$0
Direct Support Services	Great River Greening	\$0	\$0	\$0	\$0		\$0	\$0
DNR Land Acquisition Costs	Great River Greening	\$0	\$0	\$0	\$0		\$0	\$0
Capital Equipment	Great River Greening	\$0	\$0	\$0	\$0		\$0	\$0
Other Equipment/Tools	Great River Greening	\$12,500	\$12,000	\$0	\$0		\$12,500	\$12,000
Supplies/Materials	Great River Greening	\$4,800	\$5,600	\$0	\$0		\$4,800	\$5,600
DNR IDP	Great River Greening	\$0	\$0	\$0	\$0		\$0	\$0
Total		\$901,000	\$758,100	\$33,900	\$38,000		\$934,900	\$796,100

Personnel - Great River Greening

Position	FTE	Over # of years	Spent	Cash Leverage	Leverage Source	Total
Dir. Finance	0.07	3.00	\$18,000	\$0		\$18,000
Grant Admin Asst.	0.04	3.00	\$10,000	\$0		\$10,000
Project Manager/Ecologist	0.15	3.00	\$23,600	\$38,000	Great River Greening, USFWS, NWTF	\$61,600
Field Tech	0.29	3.00	\$30,000	\$0		\$30,000
Dir. Conservation Programs	0.10	3.00	\$20,000	\$0		\$20,000
Total	0.65	15.00	\$101,600	\$38,000		\$139,600

BudgetName	Partnership	Request	Spent	Cash Leverage (anticipated)	Cash Leverage (received)	Leverage Source	Original AP Total	Total Spent
Personnel	Isanti County Parks	\$0	\$0	\$0	\$0		\$0	\$0
Contracts	Isanti County Parks	\$79,000	\$79,000	\$9,000	\$9,000	Isanti County Parks; City of Cambridge	\$88,000	\$88,000
Fee Acquisition w/ PILT	Isanti County Parks	\$0	\$0	\$0	\$0		\$0	\$0
Fee Acquisition w/o PILT	Isanti County Parks	\$0	\$0	\$0	\$0		\$0	\$0
Easement Acquisition	Isanti County Parks	\$0	\$0	\$0	\$0		\$0	\$0
Easement Stewardship	Isanti County Parks	\$0	\$0	\$0	\$0		\$0	\$0
Travel	Isanti County Parks	\$0	\$0	\$0	\$0		\$0	\$0
Professional Services	Isanti County Parks	\$0	\$0	\$0	\$0		\$0	\$0
Direct Support Services	Isanti County Parks	\$0	\$0	\$0	\$0		\$0	\$0
DNR Land Acquisition Costs	Isanti County Parks	\$0	\$0	\$0	\$0		\$0	\$0
Capital Equipment	Isanti County Parks	\$0	\$0	\$0	\$0		\$0	\$0
Other Equipment/Tools	Isanti County Parks	\$0	\$0	\$0	\$0		\$0	\$0
Supplies/Materials	Isanti County Parks	\$0	\$0	\$0	\$0		\$0	\$0
DNR IDP	Isanti County Parks	\$0	\$0	\$0	\$0		\$0	\$0
Total		\$79,000	\$79,000	\$9,000	\$9,000		\$88,000	\$88,000

BudgetName	Partnership	Request	Spent	Cash Leverage (anticipated)	Cash Leverage (received)	Leverage Source	Original AP Total	Total Spent
Personnel	Anoka Conservation District	\$22,600	\$37,900	\$6,500	\$6,500	Anoka County; Anoka SWCD	\$29,100	\$44,400
Contracts	Anoka Conservation District	\$122,200	\$107,000	\$83,000	\$72,800	City of Anoka; Anoka County	\$205,200	\$179,800
Fee Acquisition w/ PILT	Anoka Conservation District	\$0	\$0	\$0	\$0		\$0	\$0
Fee Acquisition w/o PILT	Anoka Conservation District	\$0	\$0	\$0	\$0		\$0	\$0
Easement Acquisition	Anoka Conservation District	\$0	\$0	\$0	\$0		\$0	\$0
Easement Stewardship	Anoka Conservation District	\$0	\$0	\$0	\$0		\$0	\$0
Travel	Anoka Conservation District	\$0	\$0	\$0	\$0		\$0	\$0
Professional Services	Anoka Conservation District	\$0	\$0	\$15,000	\$0	Mn NPEAP	\$15,000	\$0
Direct Support Services	Anoka Conservation District	\$0	\$0	\$0	\$0		\$0	\$0
DNR Land Acquisition Costs	Anoka Conservation District	\$0	\$0	\$0	\$0		\$0	\$0
Capital Equipment	Anoka Conservation District	\$0	\$0	\$0	\$0		\$0	\$0
Other Equipment/Tools	Anoka Conservation District	\$1,100	\$1,500	\$0	\$0		\$1,100	\$1,500
Supplies/Materials	Anoka Conservation District	\$9,100	\$8,600	\$3,900	\$0	Anoka PF; Anoka SWCD	\$13,000	\$8,600
DNR IDP	Anoka Conservation District	\$0	\$0	\$0	\$0		\$0	\$0
Total		\$155,000	\$155,000	\$108,400	\$79,300		\$263,400	\$234,300

Personnel - Anoka Conservation District

Position	FTE	Over # of years	Spent	Cash Leverage	Leverage Source	Total
Project Manager	0.14	3.00	\$22,100	\$6,500	Anoka County; Anoka SWCD	\$28,600
Technician	0.03	3.00	\$15,800	\$0		\$15,800
Total	0.17	6.00	\$37,900	\$6,500		\$44,400

Explain any budget challenges or successes:

Estimating budgets for shoreline restoration projects can sometimes be challenging, and our experience with this appropriation and later appropriations is that they go over budget at a higher percentage than other types of projects. Typically, permit and engineering fees and delays add to this, as well as unpredictable water levels and other obstacles. One of four shoreline projects in this appropriation experienced additional cost demands to cover permitting and engineering fees.

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

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	55	0	0	0	2	2	57	2
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	998	540	1,373	2,590	524	582	0	0	2,895	3,712
Total	998	540	1,428	2,590	524	582	2	2	2,952	3,714

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	300
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	\$35,000	\$0	\$0	\$0	\$165,000	\$165,000	\$200,000	\$165,000
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	\$160,000	\$105,600	\$554,800	\$508,800	\$275,200	\$267,700	\$0	\$0	\$990,000	\$882,100
Total	\$160,000	\$105,600	\$589,800	\$508,800	\$275,200	\$267,700	\$165,000	\$165,000	\$1,190,000	\$1,047,100

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)	NForest (original)	N Forest (final)	Total (original)	Total (final)
Restore	56	1	1	1	0	0	0	0	0	0	57	2
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	2,009	2,777	525	598	0	0	0	0	361	337	2,895	3,712
Total	2,065	2,778	526	599	0	0	0	0	361	337	2,952	3,714

Table 4. Total Funding within each Ecological Section

Type	Metro Urban (original)	Metro Urban (final)	Forest Prairie (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	\$145,000	\$110,000	\$55,000	\$55,000	\$0	\$0	\$0	\$0	\$0	\$0	\$200,000	\$165,000
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	\$582,200	\$529,300	\$176,600	\$182,300	\$0	\$0	\$0	\$0	\$231,200	\$170,500	\$990,000	\$882,100
Total	\$727,200	\$639,300	\$231,600	\$237,300	\$0	\$0	\$0	\$0	\$231,200	\$170,500	\$1,190,000	\$1,047,100

Automatic system calculation / not entered by managers

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

1180

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

2839

Explain the success/shortage of acre goals:

Not Listed

Parcel List

Section 1 - Restore / Enhance Parcel List

Anoka

Name	TRDS	Acres	Total Cost	Existing Protection?	Description
Beach Conservation Easement	03424236	51	\$35,000	Yes	Enhancement of prairie, oak savanna, oak woodland and wetlands on private property in Conservation Easement
Kelsey Round Lake Park	03224220	28	\$34,000	Yes	Enhancement of Big Woods Forest through woody invasive control
Linwood Community Forest	03322205	72	\$5,500	Yes	Enhancement of woodland/forest habitat through buckthorn control
Martin-Island-Linwood Regional Park	03322216	79	\$4,500	Yes	Enhancement of woodland/forest habitat through buckthorn control
Rum River Riparian Restoration	03225206	1	\$110,000	Yes	Rum River habitat restoration through bank stabilization and buffer installation across 550 linear feet.

Benton

Name	TRDS	Acres	Total Cost	Existing Protection?	Description
BenLacs WMA	03628213	322	\$181,400	Yes	Enhancement of hardwood forest through woody invasive species control.

Isanti

Name	TRDS	Acres	Total Cost	Existing Protection?	Description
Cambridge City Park	03623232	50	\$44,500	Yes	Enhancement of Rum River floodplain forest through woody invasive species control.
Irving & John Anderson County Park	03422202	18	\$9,500	Yes	Enhancement of forest and oak savanna habitat through woody invasive species control and prescribed fire.
Springvale County Park	03624220	33	\$15,000	Yes	Enhancement of forest and oak savanna habitat through woody invasive species control and prescribed fire.
Vegsund Family County Park	03723217	15	\$10,000	Yes	Enhancement of forest and oak savanna habitat through woody invasive species control and prescribed fire.

Morrison

Name	TRDS	Acres	Total Cost	Existing Protection?	Description
Crane Meadows NWR	04031219	480	\$153,000	Yes	Enhancement of sedge meadow, oak savanna and oak woodland habitat through seeding, tree planting, woodland thinning and invasive species control.
McDougall Farms WMA	03928229	118	\$34,600	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
Sand Dunes State Forest	03427227	178	\$95,100	Yes	Enhancement of oak savanna and woodland habitat through woody invasive species control and planted pines
Sand Prairie WMA	03530208	134	\$138,000	Yes	Enhancement of woodland through woody invasive species control.
Sherburne NWR	03528216	2,134	\$216,900	Yes	Enhancement of wetlands through fixed wing aerial application of herbicide

Stearns

Name	TRDS	Acres	Total Cost	Existing Protection?	Description
Mississippi River County Park	12628216	1	\$55,000	Yes	Restoration of 155 feet of Mississippi River shoreline with buffer.

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: Beach Conservation Easement

# of Total Acres:	51
County:	Anoka
Township:	034
Range:	24
Direction:	2
Section:	36
# of Acres: Wetlands/Upland:	
# of Acres: Forest:	51
# 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:	\$35,000

Completed Parcel: BenLacs WMA

# of Total Acres:	322
County:	Benton
Township:	036
Range:	28
Direction:	2
Section:	13
# of Acres: Wetlands/Upland:	
# of Acres: Forest:	322
# 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:	\$160,500

Completed Parcel: Cambridge City Park

# of Total Acres:	50
County:	Isanti
Township:	036
Range:	23
Direction:	2
Section:	32
# of Acres: Wetlands/Upland:	
# of Acres: Forest:	50
# 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:	\$44,500

Completed Parcel: Crane Meadows NWR

# of Total Acres:	480
County:	Morrison
Township:	040
Range:	31
Direction:	2
Section:	19
# of Acres: Wetlands/Upland:	
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	480
Amount of Shoreline:	
Name of Adjacent Body of Water (if applicable):	Platte River
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	\$153,000

Completed Parcel: Irving & John Anderson County Park

# of Total Acres:	18
County:	Isanti
Township:	034
Range:	22
Direction:	2
Section:	02
# of Acres: Wetlands/Upland:	
# of Acres: Forest:	18
# of Acres: Prairie/Grassland:	
Amount of Shoreline:	
Name of Adjacent Body of Water (if applicable):	Horseshoe and Horse Leg Lakes
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	\$9,500

Completed Parcel: Kelsey Round Lake Park

# of Total Acres:	28
County:	Anoka
Township:	032
Range:	24
Direction:	2
Section:	20
# of Acres: Wetlands/Upland:	
# of Acres: Forest:	28
# of Acres: Prairie/Grassland:	
Amount of Shoreline:	
Name of Adjacent Body of Water (if applicable):	Round Lake
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	\$31,200

Completed Parcel: Linwood Community Forest

# of Total Acres:	72
County:	Anoka
Township:	033
Range:	22
Direction:	2
Section:	05
# of Acres: Wetlands/Upland:	
# of Acres: Forest:	72
# 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:	\$5,500

Completed Parcel: Martin-Island-Linwood Regional Park

# of Total Acres:	79
County:	Anoka
Township:	033
Range:	22
Direction:	2
Section:	16
# of Acres: Wetlands/Upland:	
# of Acres: Forest:	79
# 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:	\$4,500

Completed Parcel: McDougall Farms WMA

# of Total Acres:	118
County:	Morrison
Township:	039
Range:	28
Direction:	2
Section:	29
# of Acres: Wetlands/Upland:	
# of Acres: Forest:	83
# of Acres: Prairie/Grassland:	35
Amount of Shoreline:	1350 (Linear Feet)
Name of Adjacent Body of Water (if applicable):	Mississippi River
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	\$29,300

Completed Parcel: Mississippi River County Park

# of Total Acres:	1
County:	Stearns
Township:	126
Range:	28
Direction:	2
Section:	16
# of Acres: Wetlands/Upland:	0.5
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	
Amount of Shoreline:	155 (Linear Feet)
Name of Adjacent Body of Water (if applicable):	Mississippi River
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	\$55,000

Completed Parcel: Rum River Riparian Restoration

# of Total Acres:	1
County:	Anoka
Township:	032
Range:	25
Direction:	2
Section:	06
# of Acres: Wetlands/Upland:	
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	
Amount of Shoreline:	970 (Linear Feet)
Name of Adjacent Body of Water (if applicable):	Rum (Spirit) River
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	\$110,000

Completed Parcel: Sand Dunes State Forest

# of Total Acres:	178
County:	Sherburne
Township:	034
Range:	27
Direction:	2
Section:	27
# of Acres: Wetlands/Upland:	
# of Acres: Forest:	112
# of Acres: Prairie/Grassland:	66
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:	\$95,100

Completed Parcel: Sand Prairie WMA

# of Total Acres:	134
County:	Sherburne
Township:	035
Range:	30
Direction:	2
Section:	08
# of Acres: Wetlands/Upland:	
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	134
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:	\$72,100

Completed Parcel: Sherburne NWR

# of Total Acres:	2134
County:	Sherburne
Township:	035
Range:	28
Direction:	2
Section:	16
# of Acres: Wetlands/Upland:	527
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	1607
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:	\$216,900

Completed Parcel: Springvale County Park

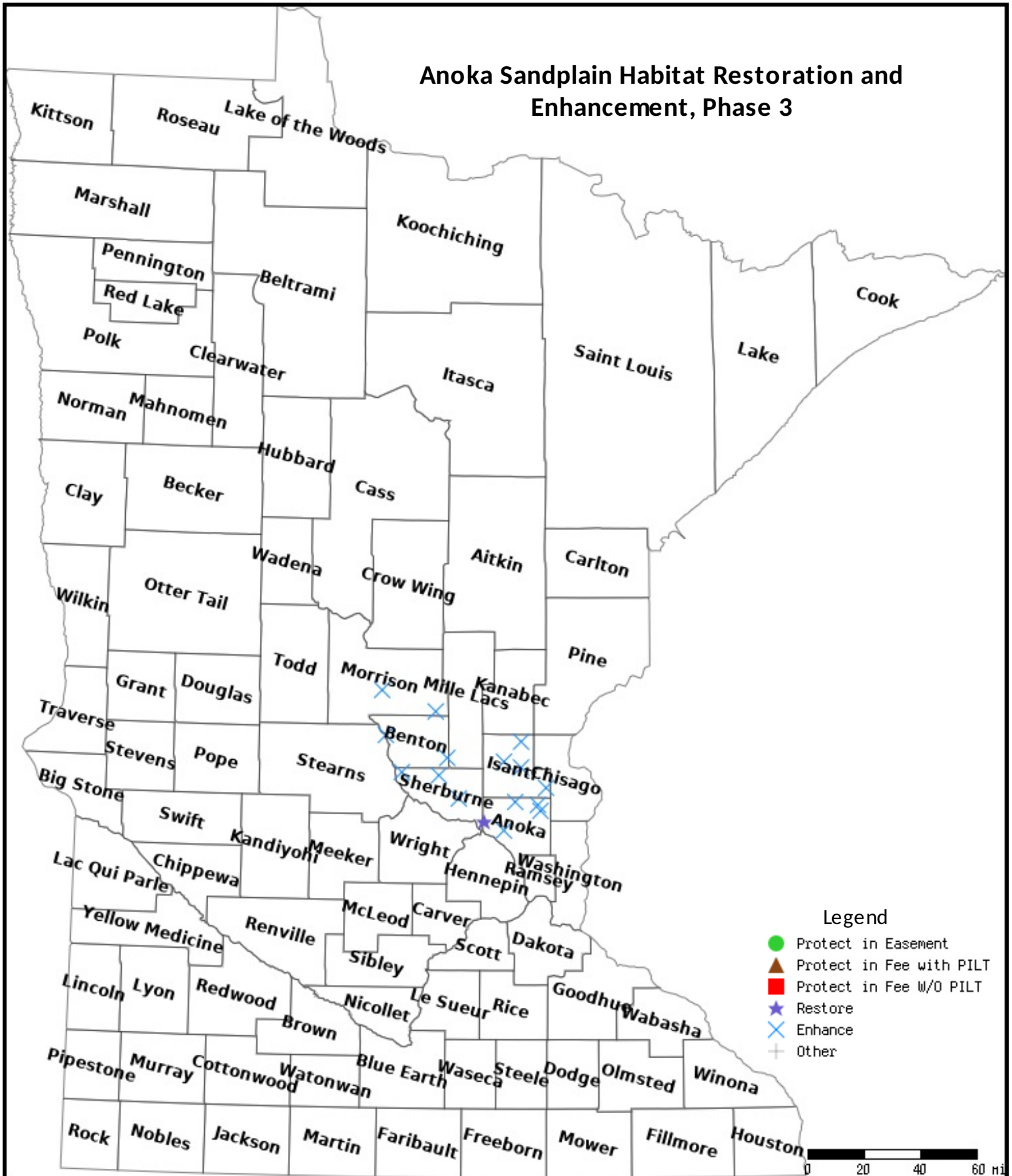
# of Total Acres:	33
County:	Isanti
Township:	036
Range:	24
Direction:	2
Section:	20
# of Acres: Wetlands/Upland:	
# of Acres: Forest:	33
# of Acres: Prairie/Grassland:	
Amount of Shoreline:	
Name of Adjacent Body of Water (if applicable):	Johnny's Lake
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	\$15,000

Completed Parcel: Vegsund Family County Park

# of Total Acres:	15
County:	Isanti
Township:	037
Range:	23
Direction:	2
Section:	17
# of Acres: Wetlands/Upland:	
# of Acres: Forest:	15
# 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:	\$10,000

Parcel Map

Anoka Sandplain Habitat Restoration and Enhancement, Phase 3



Data Generated From Parcel List