



## Lessard-Sams Outdoor Heritage Council

Minnesota Forest Recovery Project: Phase II  
Laws of Minnesota 2022 Accomplishment Plan

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### General Information

**Date:** 10/18/2023

**Project Title:** Minnesota Forest Recovery Project: Phase II

**Funds Recommended:** \$4,585,000

**Legislative Citation:** ML 2022, Ch. 77, Art. 1, Sec. 2, subd. 3(a)

**Appropriation Language:** \$4,585,000 the second year is to the commissioner of natural resources for an agreement with The Nature Conservancy in cooperation with the Department of Natural Resources and Minnesota Land Trust to acquire permanent conservation easements and restore and enhance degraded forests in Beltrami, Cass, Cook, Itasca, Lake, Koochiching, and St. Louis Counties. Of this amount, up to \$179,000 is to the easement holder to establish a monitoring and enforcement fund 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:** Jim Manolis

**Title:** Forest Conservation Program Director

**Organization:** The Nature Conservancy

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### Location Information

**County Location(s):** Beltrami, Cook, Cass, Itasca, St. Louis, Lake and Koochiching.

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

- Northern Forest

**Activity types:**

- Enhance
- Protect in Easement

### Priority resources addressed by activity:

- Forest

## Narrative

### Abstract

Northern Minnesota's forests are increasingly challenged by invasive species, insect pests, a changing climate, and fragmentation. Some habitats have declined substantially, including long-lived-conifers, young-forest, and large-patch habitats. These habitats are critical for numerous game and non-game species of concern. This project seeks to protect 3,445 acres of intact forest habitat through conservation easements and enhance 11,555 acres of degraded forests. The enhancements will increase long-lived conifers, young forest gaps, riparian forest complexity, and patch-size diversity. By acting today, we can improve the connectivity, health, and resilience of our forests for all the benefits they provide.

### Design and Scope of Work

In northern Minnesota, vast expanses of forest are now in poor condition with diminished value for wildlife. Large tracts of private lands remain vulnerable to development. Long-lived conifers and diverse young forest habitats have declined. Threats such as invasive species, a warming climate, fragmentation, and habitat loss pose great challenges for forest and wildlife managers. Over time, forest health issues tend to become more difficult and expensive to reverse. Significant investments in Minnesota's forests are urgently needed now to improve forest health for wildlife, clean water, cultural values, and local economies.

Goals of this project are to:

- Protect large tracts of contiguous forest through conservation easements
- Enhance forest productivity in degraded stands to benefit wildlife
- Enhance riparian forests to improve water quality and fish habitat
- Enhance tree species, age-class, and patch size diversity to improve habitat and increase forest resilience

Phase I of the project built on a long history of enhancement and protection partnerships in northern Minnesota. Prior to Phase I, TNC led over 12,000 acres of enhancements and worked with partners to conserve over 300,000 acres of forests with conservation easements.

Since Phase I of this project began in 2019, we completed 2100 enhancement acres and will exceed enhancement goals by the closing date in 2022.

Phase II seeks to enhance 11,555 acres and will add an easement component that will protect 3,445 acres.

Enhancements will include:

- Site preparation including shearing, brush cutting, and removal of trees damaged by spruce budworm
- Tree planting and tending
- Coordinating across multiple landowners to maintain or increase young and mature forest patch size
- Prescribed burning
- Black Ash stand diversification

We used a collaborative approach to identify enhancement sites across DNR, Leech Lake Band of Ojibwe, US Forest Service, and Beltrami, Lake, and St. Louis County lands, and we will seek additional landowner partners. Advisory partners include the American Bird Conservancy, the 1854 Treaty Authority, The Minnesota Land Trust, and the Ruffed Grouse Society. We also partner with groups including the Arrowhead, North Shore, and Manitou collaboratives and Minnesota Forest Resource Council Landscape Committees.

Conservation easements will be acquired from willing sellers. In collaboration with the MN DNR Forests for the Future Program and Minnesota Land Trust, we are purposefully keeping options open to match the top landowners and properties to the conservation easement option that works best for them. We will work closely with MN DNR and MLT to prioritize properties for outreach, rank opportunities, and find the best conservation easement solution on a property-by-property basis (DNR, MLT, or TNC).

Properties will be prioritized based on factors including tract size, Minnesota Biological Survey data, aquatic features, contribution to larger complexes of protected forest land, forest condition, and relevance to the Resilient and Connected Network data (developed by TNC scientists and partners). We seek to conserve the largest and most important gaps in the Resilient and Connected Network.

During implementation, TNC will strengthen local partnerships, seek and coordinate easement acquisitions, coordinate habitat enhancements with landowners, and supervise contractors.

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

This proposal addresses Species of Greatest Conservation Need in two main ways. First, it clearly addresses Objective 1 of the State Wildlife Action Plan: “Within the Wildlife Action Network, maintain and enhance the resilience of the habitats upon which Species in Greatest Conservation Need (SGCN) and other wildlife depend.” The proposed habitat projects increase forest diversity and thus maintain or enhance resilience. The majority of proposed sites fall within higher ranking areas of the Wildlife Action Network. Second, specific treatments carried out by this project will benefit at least 20 SGCNs. For example, treatments that increase long-lived conifer abundance will benefit:

- Evening Grosbeak
- Olive-sided Flycatcher
- Spruce Grouse
- Purple Finch
- Connecticut Warbler
- Black-backed Woodpecker
- Winter Wren
- Moose
- Boreal Owl
- Canada Lynx

Treatments that create young forest conditions will benefit:

- Veery
- Wood Thrush
- Golden-winged Warbler
- American Woodcock

- Moose

Gap creation and planting in riparian areas will benefit:

- Veery
- Black-billed Cuckoo
- Olive-sided Flycatcher
- Common Merganser
- Winter Wren
- Four-toed salamander
- Eastern red-backed salamander
- Coaster Brook Trout
- Lake Sturgeon

**Describe how the plan uses science-based targeting that leverages or expands corridors and complexes, reduces fragmentation or protects areas identified in the MN County Biological Survey:**

For prioritizing lands for conservation easements, we are explicitly seeking to build conservation complexes and protect habitat corridors. We are targeting some of the larger private holdings in otherwise conserved areas to help ensure landscape contiguity and prevent habitat fragmentation. We are using The Nature Conservancy's Resilient and Connected Network data, developed in collaboration with 100's of state, federal, and academic scientists to create a continental network of lands and waters that are resilient and will allow nature to adapt to a changing climate. Northern Minnesota, and Great Lakes forests in general, are a key continental priority in that network. We will prioritize among those parcels with the other data mentioned above including MN Biological Survey data.

For our enhancement work, we drew from a pool of over 70,000 acres of sites that partners identified as in need of habitat enhancement. To narrow this pool to the set of submitted parcels, we used a coarse-filter approach that considered partner priorities, geographic distribution across landscapes, distribution across partners, and overlap with the Resilient and Connected Network (which incorporates MN Biological Survey Data and the Minnesota Wildlife Action Network). Upon initiation of Phase II of this project assuming funding in July 2022, we will revisit the parcel list to take a more refined GIS approach and consider new, pertinent information. This information will include GIS Lidar-based data on forest complexity, information on insect damage, and analysis of corridors. It will also allow substitution of sites to adjust for environmental change or new opportunities (e.g., changes in site conditions from natural disturbance, parcels submitted by new partners to create larger, cross-ownership management units).

**Which two sections of the Minnesota Statewide Conservation and Preservation Plan are most applicable to this project?**

- LU10 Support and expand sustainable practices on working forested lands
- LU8 Protect large blocks of forest land

**Which two other plans are addressed in this program?**

- Minnesota Forest Resource Council Landscape Plans
- Minnesota's Wildlife Action Plan 2015-2025

**Which LSOHC section priorities are addressed in this program?**

**Northern Forest**

- Restore forest-based wildlife habitat that has experienced substantial decline in area in recent decades

**Outcomes**

**Programs in the northern forest region:**

- Improved availability and improved condition of habitats that have experienced substantial decline ~ *We will seek and leverage funds to measure regeneration success, structural variables, and other measures of stand condition of treated sites. We will encourage landowner partners to do the same.*

**Does this program include leveraged funding?**

Yes

**Explain the leverage:**

To support our ongoing forest enhancement work, we continually seek and acquire private foundation grants, public funds, and donations from corporations and individuals. Leverage sources and amounts for this proposal include:

- TNC Private Donations
- In-kind labor provided by National Forests

For our conservation easement work, we will seek ‘bargain sales’ wherever possible where landowners reduce a portion of the purchase price as a charitable donation.

**Per MS 97A.056, Subd. 24, Please explain whether the request is supplanting or is a substitution for any previous funding that was not from a legacy fund and was used for the same purpose.**

This proposal does not substitute or supplant previous funding that was not from a legacy fund.

**Non-OHF Appropriations**

Year	Source	Amount
2020	TNC Private Donations	\$33,000

**How will you sustain and/or maintain this work after the Outdoor Heritage Funds are expended?**

This project will strengthen and support the many collaborative efforts across the forested region by mobilizing efforts to increase the pace and scale of forest protection, restoration and enhancement. Through this effort, we are developing consistent methodologies and approaches that can be institutionalized through a collaborative process, thus ensuring a long-term commitment that follows ecological need and urgency. When possible, Outdoor Heritage funds will be used to leverage federal and private funds to expand restoration and enhancement efforts to the most critically needed locations.

**Actions to Maintain Project Outcomes**

Year	Source of Funds	Step 1	Step 2	Step 3
20, 40, 60	Landowner responsibility	Check stand condition	Treat as appropriate	-
7, 10	We will seek a mix of	Check sapling	Prune white pines for	-

	private and public funds	condition, repeat burns on appropriate sites	blister rust	
5	We will seek a mix of private and public funds	Release/cut competing brush around seedlings	-	-
1-7	We will seek a mix of private and public funds	Install browse protection on planted seedlings, remove fuel loads or burn on appropriate sites	Monitor seedling survival, fuel, burn success	-

**Provide an assessment of how your program celebrates cultural diversity or reaches diverse communities in Minnesota, including reaching low- and moderate-income households:**

Phase I of the project already includes the Leech Lake Band of the Ojibwe as a partner through their Division of Resource Management (DRM), with several projects emphasizing interests of the band within the Leech Lake Reservation and its overlap with the Chippewa National Forest. These include prescribed fire to enhance pine woodland systems, blueberry regeneration and associated open habitats, and enhancing diversity in black ash stands. These are reservation interests that were initiated by the Leech Lake DRM. The Nature Conservancy is also beginning a partnership with the Leech Lake Tribal College, with Tribal interns gaining natural resource field experience jointly with TNC, Leech Lake Band of Ojibwe, The Chippewa National Forest, and other organizations. Interns will help conduct site-level reconnaissance, project planning, and monitoring on a range of project sites, including those funded by OHF.

In Northeast Minnesota, 1854 Treaty Authority staff will serve as an advisory partner, to refine how the natural resource and cultural interests of their member bands can be enhanced through engagement with the project. Initial conversations suggest substantial common ground on interests and goals of this proposal, and we will deepen this conversation over the next year before Phase II begins, also including specific input from Fon du Lac, Grant Portage, and Bois Forte members and natural resource staff.

These efforts aim to benefit Indigenous nations through enhancing wildlife habitats that are culturally important to them, and by increasing training and education opportunities that could lead to natural resource employment for Indigenous people.

The Nature Conservancy is also initiating a new program to increase diversity, equity, and inclusion in all of our work, and we will look for ways to engage and benefit other BIPOC communities in aspects of this project.

**Activity Details**

**Requirements**

**If funded, this program will meet all applicable criteria set forth in MS 97A.056?**

Yes

**Is the land you plan to acquire (easement) free of any other permanent protection?**

Yes

**Who will manage the easement?**

This will be determined based on consultation with the landowner and partners involved, but could be TNC, MLT, or DNR. Factors considered in this decision include landowner preferences, geographic location, and the size

(acreage) of the property. Funds budgeted within this project for easement stewardship, monitoring, and enforcement will be provided to the easement holder.

**Who will be the easement holder?**

This will be determined based on consultation with the landowner and partners involved, but could be TNC, MLT, or DNR. Factors considered in this decision include landowner preferences, geographic location, and the size (acreage) of the property. Funds budgeted within this project for easement stewardship, monitoring, and enforcement will be provided to the easement holder.

**What is the anticipated number of easements (range is fine) you plan to accomplish with this appropriation?**

1-5, with 5 the most likely maximum.

**Will restoration and enhancement work follow best management practices including MS 84.973 Pollinator Habitat Program?**

Yes

**Is the restoration and enhancement activity on permanently protected land per 97A.056, Subd 13(f), tribal lands, and/or public waters per MS 103G.005, Subd. 15 or on lands to be acquired in this program?**

Yes

**Where does the activity take place?**

- WMA
- Permanently Protected Conservation Easements
- County/Municipal
- State Forests
- Other : US Forest Service Lands, Tribal Lands
- AMA

**Land Use**

**Will there be planting of any crop on OHF land purchased or restored in this program?**

No

**Will the eased land be open for public use?**

No

**Are there currently trails or roads on any of the proposed acquisitions?**

No

**Will new trails or roads be developed or improved as a result of the OHF acquisition?**

No

**Will the acquired parcels be restored or enhanced within this appropriation?**

No

Enhancement work in this project emphasizes lands that are already protected. Restoration and enhancement on acquired conservation easements may be considered in future phases of this project, if needed.

**Will the land that you acquire (fee or easement) be restored or enhanced within this program's funding and availability?**

No

**Explain how, when, and source of the R/E work:**

Enhancement work in this project emphasizes lands that are already protected. Restoration and enhancement on acquired conservation easements may be considered in future phases of this project, if needed.

**Timeline**

<b>Activity Name</b>	<b>Estimated Completion Date</b>
Acquire conservation easements	June 2026
Conservation easements: Landowner outreach and due diligence	July 2022-June 2026
Complete final prescribed burns	June 2027
Complete third season of planting	May 2025
Complete third season of site preparation	July-December 2024
Complete second season of browse protection	November 2024
Complete second season of planting	May 2024
Complete second season of site preparation	July-December 2023
Complete first season of browse protection	November 2023
Complete first season of planting	May 2023
Complete first season of site preparation	July-December 2022

**Date of Final Report Submission:** 11/01/2027

**Availability of Appropriation:** Subd. 7. Availability of Appropriation

(a) Money appropriated in this section may not be spent on activities unless they are directly related to and necessary for a specific appropriation and are specified in the accomplishment plan approved by the Lessard-Sams Outdoor Heritage Council. Money appropriated in this section must not be spent on indirect costs or other institutional overhead charges that are not directly related to and necessary for a specific appropriation. Money appropriated to acquire land in fee may be used to restore, enhance, and provide for public use of the land acquired with the appropriation. Public-use facilities must have a minimal impact on habitat in acquired lands.

(b) Money appropriated in this section is available as follows:

- (1) money appropriated for acquiring real property is available until June 30, 2026;
- (2) money appropriated for restoring and enhancing land acquired with an appropriation in this act is available for four years after the acquisition date with a maximum end date of June 30, 2030;
- (3) money appropriated for restoring or enhancing other land is available until June 30, 2027;
- (4) notwithstanding clauses (1) to (3), money appropriated for a project that receives at least 15 percent of its funding from federal funds is available until a date sufficient to match the availability of federal funding to a maximum of six years if the federal funding was confirmed and included in the original approved draft accomplishment plan; and
- (5) money appropriated for other projects is available until the end of the fiscal year in which it is appropriated.





**Budget**

Budget reallocations up to 10% do not require an amendment to the Accomplishment Plan.

**Totals**

Item	Funding Request	Leverage	Leverage Source	Total
Personnel	\$472,600	\$18,000	TNC Private Donations	\$490,600
Contracts	\$1,678,000	\$113,000	USFS in-kind labor	\$1,791,000
Fee Acquisition w/ PILT	-	-	-	-
Fee Acquisition w/o PILT	-	-	-	-
Easement Acquisition	\$1,068,800	-	-	\$1,068,800
Easement Stewardship	\$179,000	-	-	\$179,000
Travel	\$37,500	-	-	\$37,500
Professional Services	\$125,000	-	-	\$125,000
Direct Support Services	\$225,100	-	-	\$225,100
DNR Land Acquisition Costs	-	-	-	-
Capital Equipment	-	-	-	-
Other Equipment/Tools	-	-	-	-
Supplies/Materials	\$799,000	\$40,000	TNC private donations	\$839,000
DNR IDP	-	-	-	-
<b>Grand Total</b>	<b>\$4,585,000</b>	<b>\$171,000</b>	-	<b>\$4,756,000</b>

**Personnel**

Position	Annual FTE	Years Working	Funding Request	Leverage	Leverage Source	Total
Forester, Coordination Support, Protection, Grants Admin	1.7	3.0	\$472,600	\$18,000	TNC Private Donations	\$490,600

**Amount of Request:** \$4,585,000

**Amount of Leverage:** \$171,000

**Leverage as a percent of the Request:** 3.73%

**DSS + Personnel:** \$697,700

**As a % of the total request:** 15.22%

**Easement Stewardship:** \$179,000

**As a % of the Easement Acquisition:** 16.75%

**How will this program accommodate the reduced appropriation recommendation from the original proposed requested amount?**

The overall appropriation will be 48% of that originally proposed. We scaled back AP conservation easement acres to 44% of those originally proposed (3,445/7830), and scaled back enhancement acres to 49% of those originally proposed (11,555/23,780).

**Describe and explain leverage source and confirmation of funds:**

Leverage sources include conservative estimates of US Forest Service in-kind labor and TNC private donations that contribute to supplies and staff time.

**Personnel****Has funding for these positions been requested in the past?**

Yes

**Please explain the overlap of past and future staffing and position levels previously received and how that is coordinated over multiple years?**

Phase II builds on and expands upon Phase I. In Phase I, OHF funds covered 0.60 FTEs, split across several positions for program coordination, and on-the-ground implementation. Phase II will to substantially accelerate work on the ground and support easement acquisitions, requiring an additional ~ 1.1 FTE in staff support. Continuity of funding across multiple phases allows us flexibility when prioritizing parcels for protection or enhancement. Further, it ensures stability in our staffing model and provides the ability to plan and prioritize projects over multiple years. The flexibility provided by stable funding is critically important to achieving conservation goals given the uncertainty and variability of field season weather conditions.

**Contracts****What is included in the contracts line?**

The entire contract line item is dedicated to on-the-ground enhancement work.

**Easement Stewardship****What is the number of easements anticipated, cost per easement for stewardship, and explain how that amount is calculated?**

We anticipate 1-5 conservation easements. The number will depend on size of properties of interested landowners. We budgeted for easement stewardship using the high estimate used by the Minnesota Land Trust for more complex projects (\$35,000 per conservation easement for 5 easements).

**Travel****Does the amount in the travel line include equipment/vehicle rental?**

Yes

**Explain the amount in the travel line outside of traditional travel costs of mileage, food, and lodging**

Where it is more cost-effective than paying mileage reimbursement, we have budgeted for car rental and fuel reimbursement.

**I understand and agree that lodging, meals, and mileage must comply with the current MMB Commissioner Plan:**

Yes

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

DSS is based on The Nature Conservancy's Federal Negotiated Rate (FNR) as proposed and approved by the US Dept. of Interior on an annual basis. In this proposal we are requesting reimbursement of 7.5% of eligible base

costs as determined by our annual FNR and based on suggestions from the Council in prior years' hearings. The amount requested for reimbursement represents less than one-third of the total reimbursable costs allowed under the FNR. Examples of expenses included in the FNR include services from in-house legal counsel; finance, human resources; and information technology support, all of which contribute directly to the implementation of the project. The FNR is not applied to capital equipment over \$50,000 or land acquisition.

### Federal Funds

**Do you anticipate federal funds as a match for this program?**

No

Output Tables**Acres by Resource Type (Table 1)**

Type	Wetland	Prairie	Forest	Habitat	Total Acres
Restore	-	-	-	-	-
Protect in Fee with State PILT Liability	-	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-	-
Protect in Easement	-	-	3,445	-	3,445
Enhance	-	-	11,555	-	11,555
<b>Total</b>	-	-	<b>15,000</b>	-	<b>15,000</b>

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

Type	Wetland	Prairie	Forest	Habitat	Total Funding
Restore	-	-	-	-	-
Protect in Fee with State PILT Liability	-	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-	-
Protect in Easement	-	-	\$1,549,000	-	\$1,549,000
Enhance	-	-	\$3,036,000	-	\$3,036,000
<b>Total</b>	-	-	<b>\$4,585,000</b>	-	<b>\$4,585,000</b>

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

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	N. Forest	Total Acres
Restore	-	-	-	-	-	-
Protect in Fee with State PILT Liability	-	-	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-	-	-
Protect in Easement	-	-	-	-	3,445	3,445
Enhance	-	-	-	-	11,555	11,555
<b>Total</b>	-	-	-	-	<b>15,000</b>	<b>15,000</b>

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

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	N. Forest	Total Funding
Restore	-	-	-	-	-	-
Protect in Fee with State PILT Liability	-	-	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-	-	-
Protect in Easement	-	-	-	-	\$1,549,000	\$1,549,000
Enhance	-	-	-	-	\$3,036,000	\$3,036,000
<b>Total</b>	-	-	-	-	<b>\$4,585,000</b>	<b>\$4,585,000</b>

**Average Cost per Acre by Resource Type (Table 5)**

Type	Wetland	Prairie	Forest	Habitat
Restore	-	-	-	-
Protect in Fee with State PILT Liability	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-
Protect in Easement	-	-	-	\$449
Enhance	-	-	-	\$262

**Average Cost per Acre by Ecological Section (Table 6)**

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	N. Forest
Restore	-	-	-	-	-
Protect in Fee with State PILT Liability	-	-	-	-	-

Protect in Fee w/o State PILT Liability	-	-	-	-	-
Protect in Easement	-	-	-	-	\$449
Enhance	-	-	-	-	\$262

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

## Parcels

*For restoration and enhancement programs ONLY: Managers may add, delete, and substitute projects on this parcel list based upon need, readiness, cost, opportunity, and/or urgency so long as the substitute parcel/project forwards the constitutional objectives of this program in the Project Scope table of this accomplishment plan. The final accomplishment plan report will include the final parcel list.*

### Parcel Information

#### Sign-up Criteria?

No

#### Explain the process used to identify, prioritize, and select the parcels on your list:

For prioritizing lands for conservation easements, we are targeting some of the larger private holdings in otherwise conserved areas to help ensure landscape contiguity and prevent habitat fragmentation. We are using The Nature Conservancy's Resilient and Connected Network data, developed in collaboration with hundreds of state, federal, and academic scientists to create a continental network of lands and waters that are resilient and will allow nature to adapt to a changing climate. We will prioritize among those parcels with the other data mentioned above including MN Biological Survey data.

For our enhancement work, we drew from a pool of over 70,000 acres of sites that partners identified as in need of habitat enhancement. To narrow this pool to the set of submitted parcels, we used a coarse-filter approach that considered partner priorities, geographic distribution across landscapes, distribution across partners, and overlap with the Resilient and Connected Network (which incorporates MN Biological Survey Data and the Minnesota Wildlife Action Network). Upon initiation of Phase II of this project assuming funding in July 2022, we will revisit the parcel list to take a more refined GIS approach and consider new, pertinent information. This information will include GIS Lidar-based data on forest complexity, information on insect damage, and analysis of corridors. It will also allow substitution of sites to adjust for environmental change or new opportunities (e.g., changes in site conditions from natural disturbance, parcels submitted by new partners to create larger, cross-ownership management units).

### Restore / Enhance Parcels

Name	County	TRDS	Acres	Est Cost	Existing Protection
148341049	Beltrami	14834210	10	\$840	Yes
149352354, 57, 58, 59	Beltrami	14935223	34	\$5,712	Yes
149352705	Beltrami	14935227	2	\$252	Yes
148342240	Beltrami	14834222	43	\$7,224	Yes
147341865	Beltrami	14734218	14	\$1,764	Yes
147342125	Beltrami	14734221	2	\$336	Yes
147340903	Beltrami	14734209	16	\$2,016	Yes
147342130	Beltrami	14734221	40	\$5,040	Yes
150342760	Beltrami	15034227	4	\$336	Yes
150321255	Beltrami	15032212	4	\$336	Yes
150320166	Beltrami	15032201	1	\$84	Yes
150320165	Beltrami	15032201	316	\$330	Yes
147341574	Beltrami	14734215	5	\$630	Yes
150320167	Beltrami	15032201	7	\$588	Yes
1473407	Beltrami	14734207	5	\$630	Yes
147341727	Beltrami	14734217	4	\$672	Yes
147342206	Beltrami	14734222	5	\$840	Yes
147341025	Beltrami	14734210	7	\$882	Yes

147342020	Beltrami	14734220	17	\$2,142	Yes
151322946	Beltrami	15132229	6	\$504	Yes
151322409 WP	Beltrami	15132224	6	\$1,008	Yes
151322409 NP	Beltrami	15132224	6	\$1,008	Yes
151311562	Beltrami	15131215	4	\$672	Yes
150322905	Beltrami	15032229	19	\$2,394	Yes
150322046	Beltrami	15032220	49	\$8,232	Yes
150322810	Beltrami	15032228	7	\$882	Yes
150322049	Beltrami	15032220	7	\$1,176	Yes
150322823	Beltrami	15032228	1	\$126	Yes
T145N R29W Sec 8	Cass	14529208	130	\$26,000	Yes
T141N R29W Sec 26 & 35	Cass	14129226	367	\$73,400	Yes
T144N R28W Section 34	Cass	14428234	837	\$16,740	Yes
T144N R26W Section 32	Cass	14426232	1,740	\$34,800	Yes
CNF burn 238	Cass	14230229	400	\$40,000	Yes
T144N R26W Section 32	Cass	14426232	1,255	\$25,100	Yes
Steamboat Lake Ash diversity	Cass	14431129	30	\$30,000	Yes
Gunflint North Shore Collaborative project maintenance - 1	Cook	06002201	24	\$1,440	Yes
Forest-wide tree release - 22	Cook	06002215	10	\$2,900	Yes
Gunflint North Shore Collaborative project maintenance - 2	Cook	06002202	23	\$1,380	Yes
t06204e1080035	Cook	06204108	120	\$33,000	Yes
Gunflint North Shore Collaborative project maintenance - 25	Cook	06202128	60	\$3,600	Yes
Gunflint North Shore Collaborative project maintenance - 3	Cook	06002203	31	\$1,860	Yes
Cook-111	Cook	05904215	402	\$100,800	Yes
t06204e1080036	Cook	06204208	400	\$107,738	Yes
Gunflint North Shore Collaborative project maintenance - 8	Cook	06101213	12	\$720	Yes
Gunflint North Shore Collaborative project maintenance - 6	Cook	06101219	22	\$1,320	Yes
t06304e1220387	Cook	06304122	165	\$45,375	Yes
Gunflint North Shore Collaborative project maintenance - 9	Cook	06101220	17	\$1,020	Yes
Gunflint North Shore Collaborative project maintenance - 11	Cook	06101229	13	\$780	Yes
Gunflint North Shore Collaborative project maintenance - 20	Cook	06102103	53	\$3,180	Yes
Gunflint North Shore Collaborative project maintenance - 23	Cook	06202125	26	\$1,560	Yes
Gunflint North Shore Collaborative project maintenance - 24	Cook	06202127	4	\$240	Yes
t05522w1200112	Itasca	05522220	30	\$4,500	Yes
t05522w1340211	Itasca	05522234	42	\$6,300	Yes
t06223w1350258	Itasca	06223235	21	\$6,405	Yes
t06223w1350258	Itasca	06223235	21	\$5,250	Yes
t05522w1340211	Itasca	05522234	42	\$16,800	Yes
t05522w1340211	Itasca	05522234	42	\$6,300	Yes
T146N R29W Sec 30	Itasca	14629230	500	\$100,000	Yes
t05522w1220089	Itasca	05522222	32	\$12,800	Yes
t05923w1300964	Itasca	05923230	9	\$2,250	Yes
t05522w1220089	Itasca	05522222	32	\$4,800	Yes
t05723w1160069	Itasca	05723216	27	\$1,620	Yes
t05522w1200112	Itasca	05522220	30	\$12,000	Yes
T 147 R 27 Sec 9 & 16	Itasca	14727209	454	\$90,800	Yes
T147N R27W Sec 3	Itasca	14727203	85	\$17,000	Yes



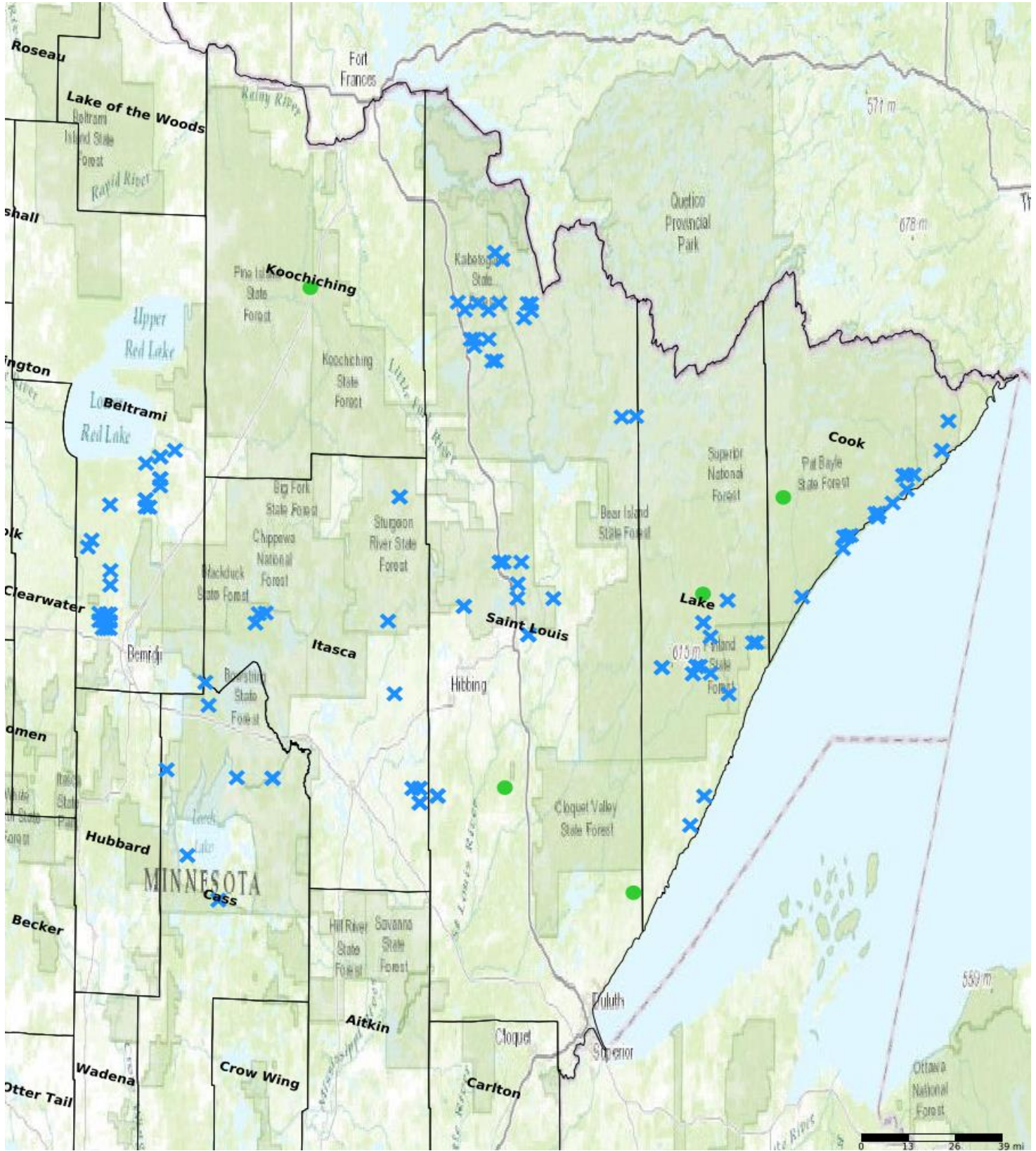
T147N R27W Sec. 1	Itasca	14727201	110	\$22,000	Yes
t05809w1340564	Lake	05809234	70	\$21,350	Yes
t05808w1080194	Lake	05808208	54	\$54,000	Yes
t05809w1340564	Lake	05809234	70	\$4,900	Yes
t05809w1350717/577	Lake	05809235	38	\$10,450	Yes
t05811w1360210	Lake	05811236	58	\$10,440	Yes
t05811w1360210	Lake	05811236	58	\$15,950	Yes
t05909w1360283	Lake	05909236	26	\$4,680	Yes
t05909w1360283	Lake	05909236	26	\$7,150	Yes
NS Budworm	Lake	05409220	300	\$300,000	Yes
t05806w1170394	Lake	05806217	38	\$10,450	Yes
t05708w1050062	Lake	05708205	26	\$7,930	Yes
t05806w1160202	Lake	05806216	96	\$96,000	Yes
t05509w1360141	Lake	05509236	70	\$70,000	Yes
t05709w1040024, 0028,0026	Lake	05709204	65	\$19,825	Yes
t05707w1190151	Lake	05707219	32	\$9,760	Yes
t05809w1340564	Lake	05809234	70	\$19,250	Yes
Tofte Stoney nonharvest reforestation - 5	Lake	05907218	50	\$86,500	Yes
t05709w1040024, 0028,0026	Lake	05709204	65	\$17,875	Yes
t05521w1280127	St. Louis	05521228	18	\$1,080	Yes
t06017w1160119	St. Louis	06017216	33	\$16,550	Yes
t05817w1020245	St. Louis	05817202	3	\$1,800	Yes
t05817w1020018	St. Louis	05817202	3	\$1,800	Yes
t05817w1020016	St. Louis	05817202	14	\$7,050	Yes
Arrowhead Oak blue2	St. Louis	06518228	67	\$16,750	Yes
Arrowhead Oak blue1	St. Louis	06518207	67	\$16,750	Yes
SLC arrowhead1	St. Louis	06620224	300	\$90,000	Yes
t06018w1160309	St. Louis	06018216	13	\$7,800	Yes
t06018w1160223	St. Louis	06018216	10	\$2,750	Yes
t06018w1160221	St. Louis	06018216	18	\$5,490	Yes
t06017w1320430	St. Louis	06017232	15	\$2,250	Yes
t05917w1080068	St. Louis	05917208	6	\$1,952	Yes
t05521w1280127	St. Louis	05521228	18	\$4,500	Yes
t05521w1280127	St. Louis	05521228	18	\$5,400	Yes
t05521w1280127	St. Louis	05521228	18	\$2,700	Yes
Forest-wide Animal Browse Protection (Bud-capping) - 11	St. Louis	05920215	164	\$14,760	Yes
LaCroix North Echo - 3	St. Louis	06617213	34	\$10,200	Yes
LaCroix North Echo - 2	St. Louis	06616219	34	\$10,200	Yes
LaCroix North Echo 1	St. Louis	06616218	34	\$10,200	Yes
LaCroix Echo Refo- 1	St. Louis	06617226	30	\$51,900	Yes
LaCroix Arrowhead-horton	St. Louis	06618219	45	\$77,850	Yes
Laurentian Giant's Ridge Patch Restoration - 1	St. Louis	05916212	10	\$13,400	Yes
Kawishiwi Bass Lake Trail nonharvest reforestation & fuels reduction - 5	St. Louis	06312205	14	\$16,800	Yes
Kawishiwi Bass Lake Trail nonharvest reforestation & fuels reduction - 1	St. Louis	06312201	24	\$28,800	Yes
Arrowhead Pollinator Planting 2	St. Louis	06718214	20	\$20,000	Yes
Arrowhead Pollinator Planting1	St. Louis	06718209	20	\$20,000	Yes
Arrowhead Oak blue6	St. Louis	06519216	67	\$16,750	Yes
Arrowhead Oak blue5	St. Louis	06519209	67	\$16,750	Yes
Arrowhead Oak blue4	St. Louis	06519208	67	\$16,750	Yes
SNF_Arrowhead - 61	St. Louis	06620215	55	\$15,950	Yes
SNF_Arrowhead- 60	St. Louis	06619215	20	\$5,800	Yes
SNF Arrowhead- 59	St. Louis	06618215	6	\$1,740	Yes
Forest-wide tree release - 21	St. Louis	05920215	513	\$147,609	Yes
Forest-wide Animal Browse Protection (Bud-	St. Louis	06018215	56	\$5,040	Yes

capping) - 12					
Arrowhead Oak blue3	St. Louis	06518229	67	\$16,750	Yes

### Easement Parcels

Name	County	TRDS	Acres	Est Cost	Existing Protection
NA	Cook	06105202	99	\$1,000	No
NA	Koochiching	15525224	99	\$1,000	No
NA	Lake	05909212	99	\$1,000	No
NA	St. Louis	05518222	99	\$1,000	No
Knife River CE	St. Louis	05212203	316	\$330,000	No

### Parcel Map



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