

# Lessard-Sams Outdoor Heritage Council

## Laws of Minnesota 2019 Accomplishment Plan



**Date:** October 19, 2018

**Program or Project Title:** Fisheries Habitat Protection on Strategic North Central Minnesota Lakes - Phase V

**Funds Recommended:** \$ 3,365,000

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**Legislative Citation:** ML 2019, Ch. X, Art. 1, Sec. 2, subd. X(x)

**Appropriation Language:**

**County Locations:** Aitkin, Cass, Crow Wing, and Hubbard.

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

- Northern Forest

**Activity types:**

- Enhance
- Protect in Easement
- Protect in Fee
- Restore

**Priority resources addressed by activity:**

- Habitat

### Abstract:

The Minnesota Land Trust and the Leech Lake Area Watershed Foundation will protect 603 acres of high priority critical fish habitat and 0.5 mile of shoreline on 16 priority tullibee "refuge" lakes and their associated watersheds through conservation easements and fee title acquisitions. We will restore and enhance 60 acres of associated habitat. A lake's ecosystem and water quality have a high probability of being maintained if less than 25% of its watershed is disturbed. State reports indicate this region could experience significant water quality and fisheries degradation in the coming decades without direct conservation.

### Design and scope of work:

Sustaining a strong angling heritage revolves largely around protecting fisheries habitat. Resurging shoreland development pressures and looming climate change are direct threats to the ecology of Minnesota's lakes. This project will focus on fisheries habitat protection on lakes that have the best biological integrity for a sustained sport fishery. Our protection efforts are focused on tullibee (aka cisco), a preferred forage fish of walleye, northern pike, muskellunge and lake trout. They require cold, well-oxygenated waters, a condition most common in deep water lakes with healthy watersheds. Minnesota DNR Fisheries researchers studied tullibee lakes and designated 68 lakes in Minnesota as the primary "refuge lakes" for tullibee that need protection. Fisheries research has shown that

healthy watersheds with intact forests are fundamental to good fish habitat.

The Clean Water Critical Habitat (CWCH) Technical Committee evaluated all tullibee lakes in our project area and prioritized 16 lakes for action. In assigning priorities, the CWCH considered: (1) the ecological value of the lake, (2) the percent of the minor watershed currently protected, (3) the number of parcels in the watershed greater than 20 acres in size, (4) partner organizations available for advising on outreach efforts, and (5) investment by other agencies and organizations to protect lands and watersheds.

Due to the high level of interest in the program and its great success to date, we are applying for a Phase V of this effort. In this phase we will protect strategically important lands with both conservation easements and fee title acquisitions. We will protect approximately 520 acres with conservation easements. The conservation easement partners will include County Soil & Water Districts, MNDNR Fisheries, Minnesota Land Trust and LLAWF, with the Minnesota Land Trust holding the easements. This team will conduct outreach to potential landowners and help evaluate the projects to assure we are prioritizing those projects with the greatest conservation outcomes. In addition, to ensure the best conservation return on the state's investment, landowner willingness to donate a portion of the easement value will be a key component of the parcel's evaluation.

We also propose to secure one fee-title acquisition totaling 83 acres. The parcel is on Ten Mile Lake and includes approximately 1,300 feet of sensitive shoreland and 70 acres of northern hardwoods with Freshwater Emergent, Freshwater Forest/shrub and Freshwater Pond wetlands.

Finally, we propose to restore and enhance 60 acres of priority shoreland and upland habitat on protected easement and fee title properties to the benefit of the 16 targeted tullibee lakes. Program partners will identify those projects where restoration and enhancement activities will have the greatest impact on impacting the health of these priority lakes.

In this phase, LLAWF will conduct landowner outreach to identify landowners interested in participating in the easement program, and oversee the review of applications; LLAWF will also negotiate and bring the fee title acquisition to conclusion. MLT will manage the grant, negotiate and close all associated conservation easements, and serve as project manager for all R/E projects.

## **How does the request address MN habitats that have: historical value to fish and wildlife, wildlife species of greatest conservation need, MN County Biological Survey data, and/or rare, threatened and endangered species inventories:**

Tullibee (aka cisco) is the preferred forage fish for walleye, northern pike, muskellunge and lake trout. They require cold, well oxygenated waters - a condition most common in lakes with deep water and healthy watersheds. Tullibee populations are the "canary in the coalmine" for three significant threats to Minnesota's sport fisheries: shoreland development, watershed health and climate warming. Deep, cold water lakes with high quality, well-oxygenated waters and natural, undisturbed land cover along the shorelines and within their watersheds will have the best chance to sustain tullibee populations in the face of these threats and will serve as a "refuge" for the tullibee if annual temperatures increase.

Minnesota DNR Fisheries research studied tullibee lakes and designated 68 lakes in Minnesota as primary "refuge lakes" for tullibee that need protection. Sixteen (16) of these lakes representing 23.5% of the designated "refuge" lakes are located in Crow Wing, Aitkin, Cass and Hubbard counties. These lakes are premier recreational and sport fishery lakes. Fisheries research has shown that healthy watersheds with intact forest are fundamental to good fish habitat. The MN DNR Fisheries Habitat Plan states near shore fish habitat affected by shoreland disturbance can impact fisheries. Maintaining good water quality is critical to sustaining tullibees as determined by the water oxygen level and nutrient content. Lakeshore development can negatively impact healthy ecosystems for sport fish and their forage due to increased runoff and physical alteration of shoreland habitat.

## **Describe the science based planning and evaluation model used:**

Timothy Cross and Peter Jacobson's "Landscape factors influencing lake phosphorus concentrations across Minnesota" white paper determined that coldwater fish communities are especially vulnerable to eutrophication from increased phosphorus concentrations. Decreases in hypolimnetic oxygen concentrations have direct negative effects on fish (like Tullibee) that physiologically require oxygenated cold water to survive, grow and reproduce. Protection is viewed as the most cost effective strategy when applied to watersheds where human activities have not already significantly elevated phosphorus levels.

Peter Jacobson and Mike Duval in "Protecting Watershed of Minnesota Lakes with Private Forest Conservation Easements: A Suggested Strategy" stated that protecting the forests in these watersheds from development is critical for maintaining water quality in these lakes. While large areas of land in forested portions are under public ownership, a considerable amount is also owned by private individuals in some of our most critical lake watersheds. These parcels are increasingly being "split up" and sold. Working forest easements allow sustainable timber harvest, but protect the land from further development. Modeling by MN DNR Fisheries research unit suggests that total phosphorus concentrations remain near natural background levels when less than 25% of the lakes watershed is disturbed. The tullibee "refuge" lakes have watersheds with less than 25% disturbed land uses and are good candidates for protection. The report referenced high priority lakes could include very deep lakes with exceptional water quality and support

coldwater fish populations like tullibee.

Minnesota DNR Fisheries researchers studied tullibee lakes and designated 68 lakes in Minnesota as the primary “refuge lakes” for tullibee. We focused our protection efforts on the 16 highest quality tullibee lakes that will require modest to moderate levels of land protection to achieve 75% protection levels. Protecting the habitats of tullibee “refuge” lakes along the shoreline and surrounding forest lands is essential to a sustained sport fishery.

### **Which sections of the Minnesota Statewide Conservation and Preservation Plan are applicable to this program:**

- H1 Protect priority land habitats
- H2 Protect critical shoreland of streams and lakes

### **Which other plans are addressed in this program:**

- Long Range Plan for Fisheries Management
- Long Range Plan for Muskellunge and Large Northern Pike Management Through 2020

### **Which LSOHC section priorities are addressed in this program:**

#### **Northern Forest:**

- Protect shoreland and restore or enhance critical habitat on wild rice lakes, shallow lakes, cold water lakes, streams and rivers, and spawning areas

### **Relationship to other funds:**

- Environmental and Natural Resource Trust Fund

#### **Describe the relationship of the funds:**

Our LCCMR grant “Multi-benefit Watershed Scale Conservation on North Central Lakes” is a pilot program to evaluate the effectiveness of RIM Conservation Easements in a watershed protection context. RIM easements, which are formula-based and targeted toward bare land, complement the easements pursued in our proposal to LSOHC, which are based on appraisal over entire parcels and focused on natural habitat. Lakes selected in the pilot overlap with our targeted lakes. These easements complement each other and should result in an increase of protected lands on our targeted lakes and help move these lakes to a 75% protection level. Landowner outreach allows us to increase the level of landowner engagement including developing targeted lake maps, mailings, workshops and lake association presentations. To date, our landowner outreach efforts resulted in landowner donations in the amount of \$851,000 in easement value; a donative value of \$450,000 is proposed for this phase of the program. Leverage in the amount of \$60,500 is proposed for fee acquisitions and will model successful fundraising partnerships after our Woods Bay Fee Title Acquisition with Roosevelt Lake Association (RALALA).

### **Does this program include leverage in funds:**

Yes

This proposal includes the following funds as leverage to our OHF request:

- Environmental and Natural Resources Trust Fund: LLAWF received an ENRTF grant of \$30,000 to pilot a program to undertake and evaluate the effectiveness of RIM Conservation Easements in a watershed protection context in the Mississippi Headwaters area.
- Landowner donation in the amount of \$450,000 in easement value is proposed based on results obtained in past appropriations.
- Landowner donation in the amount of \$60,500 is proposed for fee acquisitions.
- In 2014, LLAWF and Roosevelt Lake Association conducted a community fundraiser for our Woods Bay fee title acquisition. We will continue this model of fundraising support with Ten Mile lake.

### **Per MS 97A.056, Subd. 24, Any state agency or organization requesting a direct appropriation from the OHF must inform the LSOHC at the time of the request for funding is made, 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 request will not supplant or substitute previous funding of either Minnesota Land Trust or Leach Lake Watershed Foundation.

## Describe the source and amount of non-OHF money spent for this work in the past:

Appropriation Year	Source	Amount
ML2015	ENRTF Award to LLAWF	30,000
ML2010	ENRTF Award to LLAWF	76,200

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

LLAWF and MLT are long standing conservation organizations that do not depend on Outdoor Heritage Funds to sustain or maintain our work. The majority of financial support for both LLAWF and MLT must be raised on an annual basis. The work in this proposal allows both organizations to enhance and accelerate ongoing conservation efforts in North Central Minnesota.

The fee-title acquisition will be owned and managed by Cass County. The Minnesota Land Trust will hold the conservation easements acquired. The land protected through these conservation easements will be sustained through the best standards and practices for conservation easement stewardship. The Minnesota Land Trust is a nationally-accredited land trust with a very successful stewardship program that includes annual property monitoring, effective records management, addressing inquiries and interpretations, tracking changes in ownership, investigating potential violations and defending the easement in case of a true violation. In addition, MLT encourages landowners to undertake active ecological management of their properties, provides them with habitat management plans, and works with them over time to secure resources (expertise and funding) to undertake these activities over time.

## Explain the things you will do in the future to maintain project outcomes:

Year	Source of Funds	Step 1	Step 2	Step 3
2019 and beyond	MLT Stewardship & Enforcement Fund	Monitor easements annually in perpetuity.	Enforce easement terms as necessary.	

## Activity Details:

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

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

Explain

### Easement Acquisition:

The purpose of the Minnesota Land Trust's conservation easements is to protect existing high quality natural habitat and to preserve opportunities for future restoration. As such, we restrict any agricultural lands and use on the properties. In cases in which there are agricultural lands associated with the larger property, we will either carve the agricultural area out of the conservation easement, or in some limited cases, we may include a small percentage of agricultural lands if it is not feasible to carve those areas out. In such cases, however, we will not use OHF funds to pay the landowners for that portion of the conservation easement.

### Restoration/Enhancement:

Short-term use of agricultural crops is an accepted best practice for preparing a site for prairie restoration. For example, short-term use of soybeans could be used for restorations in order to control weed seedbeds prior to prairie planting. In some cases this necessitates the use of GMO treated products to facilitate herbicide use in order to control weeds present in the seedbank.

Will local government approval be sought prior to acquisition - **No**

Both LLAWF and MLT take great pride in keeping local governments aware of and supportive of our conservation efforts. Our proposed fee title acquisition has local government support. We do not seek local government approval for our Conservation Easements. We keep counties and townships informed of our efforts.

Is the land you plan to acquire (fee title) free of any other permanent protection - **Yes**

Is this land currently open for hunting and fishing - **No**

Will the land be open for hunting and fishing after completion - **Yes**

We do not anticipate any variations.

Who will eventually own the fee title land?

**County**

Land acquired in fee will be designated as a:

**County Forest**

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

**We expect to close on 1 fee title acquisition through this grant.**

Will the eased land be open for public use - **No**

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

Who will manage the easement?

**The Minnesota Land Trust will manage all easements.**

Who will be the easement holder?

**The Minnesota Land Trust will hold all easements.**

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

**We expect to close on 1-8 easement acquisitions through this grant. The number of easement acquisitions proposed can vary significantly due to the size and cost of targeted parcels. The maximum number of easements is capped at 8 based on the amount of stewardship funding requested.**

Are there currently trails or roads on any of the acquisitions on the parcel list - **Yes**

Describe the types of trails or roads and the allowable uses:

Most conservation easements are established on private lands, many of which have driveways, field roads and trails located on them. Often, these established trails and roads are permitted in the terms of the easement and can be maintained for personal use if their use does not significantly impact the conservation values of the property. Creation of new roads/trails or expansion of existing ones is not allowed.

Trails used for timber management purposes exist on the property to be purchased in fee, and will continue to be used as such by Cass County after acquisition. No new trails will be developed. All forest roads are considered open to motorized travel unless posted closed with County Board consent. Motorized and non-motorized use is allowed.

Will the trails or roads remain and uses continue to be allowed after OHF acquisition - **Yes**

How will maintenance and monitoring be accomplished:

Conservation Easements: Existing trails and roads for easement properties are identified in the project baseline report and will be monitored annually as part of the Land Trust's stewardship and enforcement protocols. Maintenance of permitted roads/trails in line with the terms of the easement will be the responsibility of the landowner.

Fee Acquisition: For fee title transactions involving Cass County, road and trail maintenance is done on an as needed basis while monitoring is completed by staff forester.

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? - **Yes**

A modest amount of R/E funding has been allotted to easements properties acquired through this grant. These funds will enable us to significantly improve the condition and extent of habitat on protected lands, making good projects great.

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

Is the activity on permanently protected land per 97A.056, subd 13(f), tribal lands, and/or public waters per MS 103G.005, Subd. 15 - **Yes (Permanently Protected Conservation Easements)**

## Accomplishment Timeline:

Activity	Approximate Date Completed
Fee title acquisition of 83 acres on Ten Mile Lake	4/1/2022
Protection of 520 acres via Conservation Easements	6/30/2022
Landowner outreach, consultation, technical assistance and easement preparation	Ongoing through June 2022
Restoration/Enhancement activities concluded	6/30/2022

**Date of Final Report Submission:** 11/1/2022

## Federal Funding:

Do you anticipate federal funds as a match for this program - **No**

## Outcomes:

### Programs in the northern forest region:

- Private shoreline habitat and forested parcels totaling 1505 acres will be permanently protected from development and fragmentation through conservation easements. Riparian forest lands under easement will maintain healthy habitat complexes for upland and aquatic species; forest cover will enhance water quality habitat for tullibee lakes. Greater public access for wildlife and outdoors-related recreation will be attained through Fee-Title acquisition open to public for hunting and fishing. Conservation easement properties will protect fish habitat to insure high quality fishing opportunities.

# Budget Spreadsheet

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

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

Outputs were reduced more-or-less proportionately to the funding that was allocated. This proportional allocation was tweaked to enable LLAWF to secure one priority parcel in fee acquisition and conduct effective landowner outreach. MLT's budget will enable up to 8 conservation easements and associated R/E activities.

**Total Amount of Request: \$ 3365000**

### Budget and Cash Leverage

BudgetName	LSOHC Request	Anticipated Leverage	Leverage Source	Total
Personnel	\$207,000	\$0		\$207,000
Contracts	\$173,000	\$0		\$173,000
Fee Acquisition w/ PILT	\$0	\$0		\$0
Fee Acquisition w/o PILT	\$605,000	\$60,500	Lake Assoc., Sellers, COLAs and Community Fundraising	\$665,500
Easement Acquisition	\$1,900,000	\$450,000	Landowner donation of easement value	\$2,350,000
Easement Stewardship	\$192,000	\$0		\$192,000
Travel	\$21,000	\$0		\$21,000
Professional Services	\$182,000	\$0		\$182,000
Direct Support Services	\$69,000	\$0		\$69,000
DNR Land Acquisition Costs	\$0	\$0		\$0
Capital Equipment	\$0	\$0		\$0
Other Equipment/Tools	\$5,000	\$0		\$5,000
Supplies/Materials	\$11,000	\$0		\$11,000
DNR IDP	\$0	\$0		\$0
Total	\$3,365,000	\$510,500		\$3,875,500

### Personnel

Position	FTE	Over # of years	LSOHC Request	Anticipated Leverage	Leverage Source	Total
LLAWF Staff	0.33	3.00	\$90,000	\$0		\$90,000
Land Trust Personnel	0.43	0.00	\$117,000	\$0		\$117,000
Total	0.76	3.00	\$207,000	\$0		\$207,000

### Budget and Cash Leverage by Partnership

BudgetName	Partnership	LSOHC Request	Anticipated Leverage	Leverage Source	Total
Personnel	LLAWF	\$90,000	\$0		\$90,000
Contracts	LLAWF	\$40,000	\$0		\$40,000
Fee Acquisition w/ PILT	LLAWF	\$0	\$0		\$0
Fee Acquisition w/o PILT	LLAWF	\$605,000	\$60,500	Lake Assoc., Sellers, COLAs and Community Fundraising	\$665,500
Easement Acquisition	LLAWF	\$0	\$0		\$0
Easement Stewardship	LLAWF	\$0	\$0		\$0
Travel	LLAWF	\$8,000	\$0		\$8,000
Professional Services	LLAWF	\$53,000	\$0		\$53,000
Direct Support Services	LLAWF	\$37,000	\$0		\$37,000
DNR Land Acquisition Costs	LLAWF	\$0	\$0		\$0
Capital Equipment	LLAWF	\$0	\$0		\$0
Other Equipment/Tools	LLAWF	\$0	\$0		\$0
Supplies/Materials	LLAWF	\$8,000	\$0		\$8,000
DNR IDP	LLAWF	\$0	\$0		\$0
Total		\$841,000	\$60,500		\$901,500

## Personnel - LLAWF

Position	FTE	Over # of years	LSOHC Request	Anticipated Leverage	Leverage Source	Total
LLAWF Staff	0.33	3.00	\$90,000	\$0		\$90,000
Total	0.33	3.00	\$90,000	\$0		\$90,000

Budget Name	Partnership	LSOHC Request	Anticipated Leverage	Leverage Source	Total
Personnel	Minnesota Land Trust	\$117,000	\$0		\$117,000
Contracts	Minnesota Land Trust	\$133,000	\$0		\$133,000
Fee Acquisition w/ PILT	Minnesota Land Trust	\$0	\$0		\$0
Fee Acquisition w/o PILT	Minnesota Land Trust	\$0	\$0		\$0
Easement Acquisition	Minnesota Land Trust	\$1,900,000	\$450,000	Landowner donation of easement value	\$2,350,000
Easement Stewardship	Minnesota Land Trust	\$192,000	\$0		\$192,000
Travel	Minnesota Land Trust	\$13,000	\$0		\$13,000
Professional Services	Minnesota Land Trust	\$129,000	\$0		\$129,000
Direct Support Services	Minnesota Land Trust	\$32,000	\$0		\$32,000
DNR Land Acquisition Costs	Minnesota Land Trust	\$0	\$0		\$0
Capital Equipment	Minnesota Land Trust	\$0	\$0		\$0
Other Equipment/Tools	Minnesota Land Trust	\$5,000	\$0		\$5,000
Supplies/Materials	Minnesota Land Trust	\$3,000	\$0		\$3,000
DNR IDP	Minnesota Land Trust	\$0	\$0		\$0
Total		\$2,524,000	\$450,000		\$2,974,000

## Personnel - Minnesota Land Trust

Position	FTE	Over # of years	LSOHC Request	Anticipated Leverage	Leverage Source	Total
Land Trust Personnel	0.43	0.00	\$117,000	\$0		\$117,000
Total	0.43	0.00	\$117,000	\$0		\$117,000

Amount of Request: \$3,365,000

Amount of Leverage: \$510,500

Leverage as a percent of the Request: 15.17%

DSS + Personnel: \$276,000

As a % of the total request: 8.20%

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

In a process that was approved by the MNDNR on March 17, 2017, Minnesota Land Trust determined our direct support services rate to include all of the allowable direct and necessary expenditures that are not captured in other line items in the budget, which is similar to the Land Trust's proposed federal indirect rate. We have applied this DNR-approved rate only to personnel expenses to determine the total amount of direct support services in our budget.

In a process approved by MNDNR on May 24, 2017, Leech Lake Area Watershed Foundation used a simplified allocation methodology that resulted in MNDNR approving a 20% indirect rate of allowable expenses. We anticipate a similar rate for this proposal.

These approved rates do not include costs that were otherwise included in other budget line items.

### What is included in the contacts line?

Minnesota Land Trust - For writing of habitat management plans and restoration/enhancement contracts.

LLAWF - For landowner outreach and prioritization/selection of easement projects, and for negotiation and completion of fee acquisitions.

### 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:

MLT routinely rents cars for travel to easement properties.



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

Total leverage proposed through this grant is \$510,500. Leverage of \$60,500 is proposed by LLAWF for fee acquisition through LLAWF fundraising efforts. Leverage of \$450,000 is proposed by MLT for easement acquisition through landowner donation of easement value.

**What is the cost per easement for stewardship and explain how that amount is calculated?**

The Land Trust easement stewardship cost is based on a number of factors, including: 1) easement administration & management, 2) monitoring, 3) updating of monitoring workbooks and baseline documentation reports, 4) encouraging voluntary compliance, 5) addressing potential violations, and 6) legal enforcement. The current cost is set at \$24,000/easement.

## Output Tables

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

Type	Wetlands	Prairies	Forest	Habitats	Total
Restore	0	0	0	14	14
Protect in Fee with State PILT Liability	0	0	0	0	0
Protect in Fee W/O State PILT Liability	0	0	0	83	83
Protect in Easement	0	0	0	520	520
Enhance	0	0	0	46	46
Total	0	0	0	663	663

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

Type	Wetlands	Prairies	Forest	Habitats	Total
Restore	\$0	\$0	\$0	\$54,000	\$54,000
Protect in Fee with State PILT Liability	\$0	\$0	\$0	\$0	\$0
Protect in Fee W/O State PILT Liability	\$0	\$0	\$0	\$841,000	\$841,000
Protect in Easement	\$0	\$0	\$0	\$2,389,000	\$2,389,000
Enhance	\$0	\$0	\$0	\$81,000	\$81,000
Total	\$0	\$0	\$0	\$3,365,000	\$3,365,000

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

Type	Metro Urban	ForestPrairie	SE Forest	Prairie	N Forest	Total
Restore	0	0	0	0	14	14
Protect in Fee with State PILT Liability	0	0	0	0	0	0
Protect in Fee W/O State PILT Liability	0	0	0	0	83	83
Protect in Easement	0	0	0	0	520	520
Enhance	0	0	0	0	46	46
Total	0	0	0	0	663	663

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

Type	Metro Urban	ForestPrairie	SE Forest	Prairie	N Forest	Total
Restore	\$0	\$0	\$0	\$0	\$54,000	\$54,000
Protect in Fee with State PILT Liability	\$0	\$0	\$0	\$0	\$0	\$0
Protect in Fee W/O State PILT Liability	\$0	\$0	\$0	\$0	\$841,000	\$841,000
Protect in Easement	\$0	\$0	\$0	\$0	\$2,389,000	\$2,389,000
Enhance	\$0	\$0	\$0	\$0	\$81,000	\$81,000
Total	\$0	\$0	\$0	\$0	\$3,365,000	\$3,365,000

**Table 5. Average Cost per Acre by Resource Type**

Type	Wetlands	Prairies	Forest	Habitats
Restore	\$0	\$0	\$0	\$3857
Protect in Fee with State PILT Liability	\$0	\$0	\$0	\$0
Protect in Fee W/O State PILT Liability	\$0	\$0	\$0	\$10133
Protect in Easement	\$0	\$0	\$0	\$4594
Enhance	\$0	\$0	\$0	\$1761

**Table 6. Average Cost per Acre by Ecological Section**

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	Northern Forest
Restore	\$0	\$0	\$0	\$0	\$3857
Protect in Fee with State PILT Liability	\$0	\$0	\$0	\$0	\$0
Protect in Fee W/O State PILT Liability	\$0	\$0	\$0	\$0	\$10133
Protect in Easement	\$0	\$0	\$0	\$0	\$4594
Enhance	\$0	\$0	\$0	\$0	\$1761

*Automatic system calculation / not entered by managers*

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

0.5 miles

## Parcel List

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.

### Section 1 - Restore / Enhance Parcel List

No parcels with an activity type restore or enhance.

### Section 2 - Protect Parcel List

#### Aitkin

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
Cedar Lake	04727231	0	\$0	No	No	No
Long Lake	04625210	0	\$0	No	No	No
Round Lake	04923225	0	\$0	No	No	No

#### Cass

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
Girl Lake	14128233	0	\$0	No	No	No
Long Lake	14231233	0	\$0	No	No	No
Roosevelt Lake	13826208	0	\$0	No	No	No
Wabedo	14028232	122	\$565,000	No	Full	Full

#### Crow Wing

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
Borden Lake	04428215	0	\$0	No	No	No
Crooked Lake	04528216	0	\$0	No	No	No
Island-Loon Lake	13727205	0	\$0	No	No	No
Ossawinamakee Lake	13628204	0	\$0	No	No	No
Whitefish Lake	13728207	0	\$0	No	No	No

#### Hubbard

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
Big Sand Lake	14138228	0	\$0	No	No	No
Kabekona Lake	14332230	0	\$0	No	No	No

### Section 2a - Protect Parcel with Bldgs

#### Cass

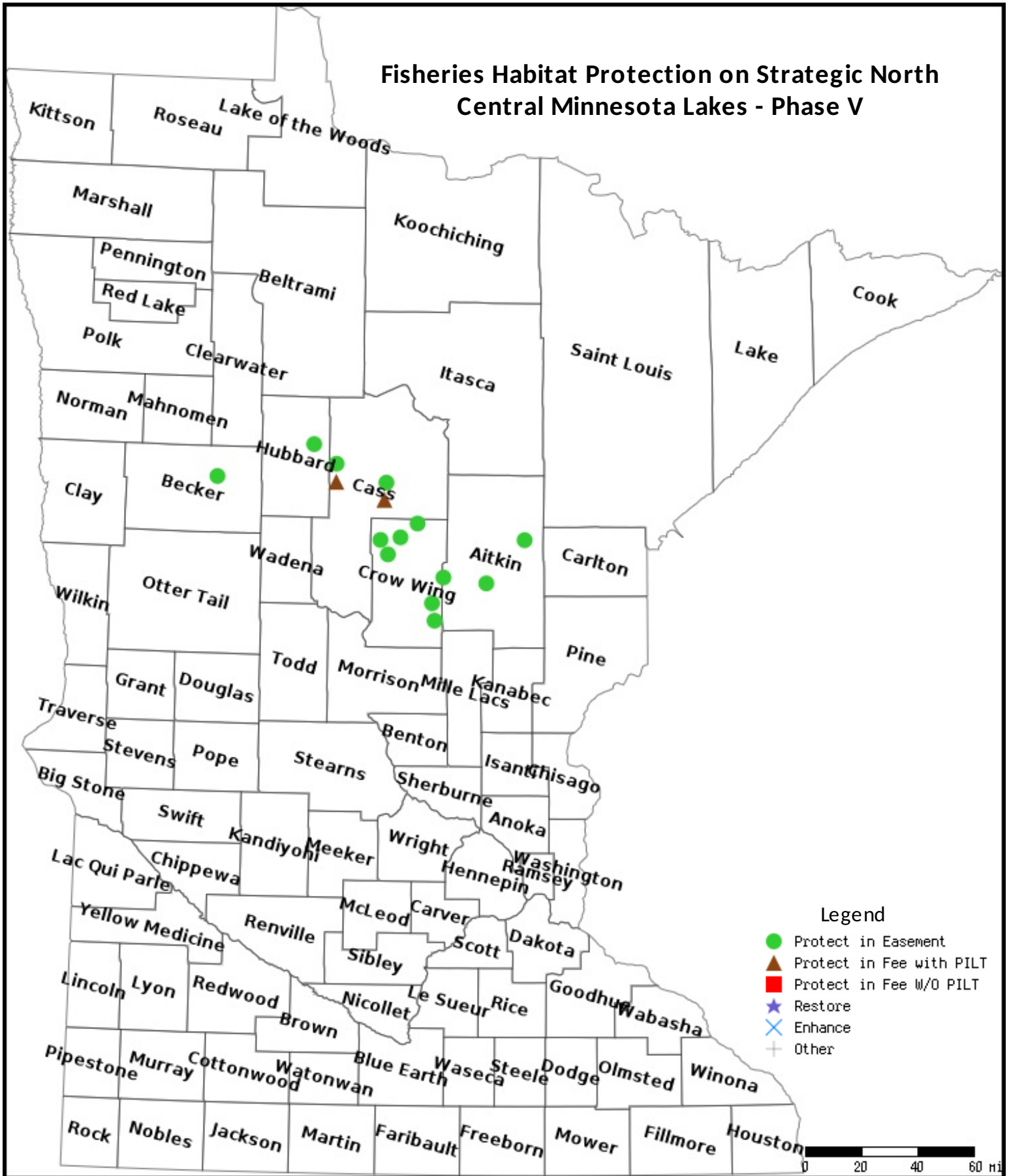
Name	TRDS	Acres	Est Cost	# Bldgs?	Bldg Improve Desc	Value of Bldg	Disposition of Improvements
Ten Mile Lake	14131233	83	\$465,000	1	Cabin will be removed from property	\$46,800	

### Section 3 - Other Parcel Activity

No parcels with an other activity type.

# Parcel Map

## Fisheries Habitat Protection on Strategic North Central Minnesota Lakes - Phase V



Data Generated From Parcel List

# Lessard-Sams Outdoor Heritage Council Comparison Report

**Program Title:** 2019 - Fisheries Habitat Protection on Strategic North Central Minnesota Lakes - Phase V

**Organization:** Minnesota Land Trust

**Manager:** Wayne Ostlie

## Budget

Requested Amount: \$6,788,000

Appropriated Amount: \$3,365,000

Percentage: 49.57%

Budget Item	Total Requested		Total Appropriated		Percentage of Request	
	LSOHC Request	Anticipated Leverage	Appropriated Amount	Anticipated Leverage	Percentage of Request	Percentage of Leverage
Personnel	\$320,000	\$0	\$207,000	\$0	64.69%	-
Contracts	\$338,000	\$0	\$173,000	\$0	51.18%	-
Fee Acquisition w/ PILT	\$1,030,000	\$103,000	\$0	\$0	0.00%	0.00%
Fee Acquisition w/o PILT	\$0	\$0	\$605,000	\$60,500	-	-
Easement Acquisition	\$4,500,000	\$1,350,000	\$1,900,000	\$450,000	42.22%	33.33%
Easement Stewardship	\$216,000	\$0	\$192,000	\$0	88.89%	-
Travel	\$27,000	\$0	\$21,000	\$0	77.78%	-
Professional Services	\$233,000	\$0	\$182,000	\$0	78.11%	-
Direct Support Services	\$85,000	\$0	\$69,000	\$0	81.18%	-
DNR Land Acquisition Costs	\$18,000	\$0	\$0	\$0	0.00%	-
Capital Equipment	\$0	\$0	\$0	\$0	-	-
Other Equipment/Tools	\$9,000	\$0	\$5,000	\$0	55.56%	-
Supplies/Materials	\$12,000	\$0	\$11,000	\$0	91.67%	-
DNR IDP	\$0	\$0	\$0	\$0	-	-
<b>Total</b>	<b>\$6,788,000</b>	<b>\$1,453,000</b>	<b>\$3,365,000</b>	<b>\$510,500</b>	<b>49.57%</b>	<b>35.13%</b>

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

Outputs were reduced more-or-less proportionately to the funding that was allocated. This proportional allocation was tweaked to enable LLAWF to secure one priority parcel in fee acquisition and conduct effective landowner outreach. MLT's budget will enable up to 8 conservation easements and associated R/E activities.

# Output

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

Type	Total Proposed	Total in AP	Percentage of Proposed
Restore	40	14	35.00%
Protect in Fee with State PILT Liability	205	0	0.00%
Protect in Fee W/O State PILT Liability	0	83	-
Protect in Easement	1,300	520	40.00%
Enhance	100	46	46.00%

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

Type	Total Proposed	Total in AP	Percentage of Proposed
Restore	100,000	54,000	54.00%
Protect in Fee with State PILT Liability	1,319,000	0	0.00%
Protect in Fee W/O State PILT Liability	0	841,000	-
Protect in Easement	5,189,000	2,389,000	46.04%
Enhance	180,000	81,000	45.00%

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

Type	Total Proposed	Total in AP	Percentage of Proposed
Restore	40	14	35.00%
Protect in Fee with State PILT Liability	205	0	0.00%
Protect in Fee W/O State PILT Liability	0	83	-
Protect in Easement	1,300	520	40.00%
Enhance	100	46	46.00%

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

Type	Total Proposed	Total in AP	Percentage of Proposed
Restore	100,000	54,000	54.00%
Protect in Fee with State PILT Liability	1,319,000	0	0.00%
Protect in Fee W/O State PILT Liability	0	841,000	-
Protect in Easement	5,189,000	2,389,000	46.04%
Enhance	180,000	81,000	45.00%