

Lessard-Sams Outdoor Heritage Council

Laws of Minnesota 2018 Accomplishment Plan



Date: October 24, 2017

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

Funds Recommended: \$ 2,801,000

Manager's Name: Lindsey Ketchel

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Legislative Citation: ML 2018, Ch. X, Art. 1, Sec. 2, subd XX

Appropriation Language:

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

Regions in which work will take place:

- Northern Forest

Activity types:

- Protect in Easement
- Protect in Fee

Priority resources addressed by activity:

- Habitat

Abstract:

The Leech Lake Area Watershed Foundation in partnership with the Minnesota Land Trust will protect high priority critical fish habitat and the surrounding watersheds on 30 tullibee "refuge" lakes by securing conservation easements and fee title acquisitions. We will permanently protect approximately 445 acres and 1 miles of shoreland in total. If a lake's watershed has less than 25% land disturbance, the lake has a high probability to maintain clean water and healthy lake ecosystem. State reports indicate this region could experience significant water quality and fisheries degradation in the coming decades without direct conservation action.

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 Minnesota lakes' ecology. 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 lakes with deep water and 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. We are targeting thirty (30) of these lakes located in Hubbard, Crow Wing, Cass, and Aitkin counties. Many are Minnesota's premier recreational lakes. Fisheries research has shown that healthy watersheds with intact forests are fundamental to good fish habitat.

Due to the high level of interest in the program and its great success to date, we are applying for a Phase IV of this effort. In this phase we will protect strategically important lands with both conservation easements and fee title acquisitions. We will protect 400 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 a fee-title acquisitions totaling 45 acres. The acquisition on Cedar Lake is in Aitkin County. The Cedar Lake 45 acre proposed fee tile acquisition includes 3,500 ft of sensitive shoreland, including an intact bulrush bed and heavily vegetated wild rice. MN DNR internal score for this WMA expansion effort was 41, the highest score with this prioritization system. This parcel is surrounded by two MNDNR parcels (Cedar Lake WMA). The acquisition would result in an an expand (100 acre) of the Cedar Lake WMA that includes a public landing.

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. Thirty (30) of these lakes representing 58% 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. 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 waters oxygen level and nutrient content. Lakeshore development decreases a lakes ability to function as a healthy ecosystem for sport fish and their forage, due to increased runoff, but also through physical alternation by lakeshore owners.

Fisheries Management Plan for Leech Lake, 2016-2020 indicates protection of key spawning areas from development is important to supporting self-sustaining walleye and muskie populations. With the recent challenges at Mille Lacs Lake, Leech Lake has a diversity of shoreland and substrate, as well as its extensive littoral zone that, if protected, provides excellent spawning and nursery habitats for a number of species. Using limited near shore habitat inventory and muskellunge spawning habitat assessments, area fisheries staff has identified key spawning areas to protect.

Describe the science based planning and evaluation model used:

Timothy Cross and Peter Jacobson "Landscape factors influencing lake phosphorus concentrations across Minnesota" white paper determined coldwater fish communities are especially vulnerable to eutrophication from increased phosphorus concentrations. Decreases in hypolimnetic oxygen concentrations have direct negative effects on fish that physiologically require (Tullibee) 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, "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 then 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 of the 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.

One "Long Range Plan for Muskellunge 2020" objective is to maintain critical habitat so that natural and introduced muskellunge populations are preserved. Protecting muskellunge spawning and nursery habitats by purchasing aquatic management areas on native

waters or stocked waters with documented natural reproduction would receive the highest priority.

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
- Contract with Cass County partnership with MPCA Leech Lake River WRAP

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 - both RIM and those funded through LSOHC 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 overlaps with the tullibee "refuge" lakes. This allows us to increase the level of landowner engagement including developing targeted lake maps, mailings, workshops and lake association presentations.

How does this program include leverage in funds or other effort to supplement any OHF appropriation:

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 \$330,000 in easement value is proposed based on results obtained in previous and current OHF-funded grants.
- Landowner donation in the amount of \$87,500 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 Ponto and Leech lakes.

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:

These funds do not supplant or substitute previous funding.

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

Appropriation Year	Source	Amount
ML2015	ENRTF	30,000
ML2010	ENRTF	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; these grant funds will not substitute for or supplant other funding sources.

The fee-title acquisition will be owned and managed by the MN Dept of Natural Resources. 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
2018 and beyond	Outdoor Heritage Fund and LLAWF / MLT funds	secure easement and associated documents, including habitat management plans where appropriate	establish individual monitoring plans, annually monitor easement	Enforce easements through stewardship programs 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 - **No**

Will local government approval be sought prior to acquisition - **Yes**

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?

MN DNR - Wildlife Management

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?

Minnesota Land Trust

Who will be the easement holder?

Minnesota Land Trust

Are there currently trails or roads on any of the acquisitions on the parcel list - **No**

Will new trails or roads be developed or improved as a result of the OHF acquisition - **No**

Accomplishment Timeline:

Activity	Approximate Date Completed
Landowner outreach, consultation, technical assistance and easement preparation	ongoing through June 2021
Protect 45 acres on Cedar Lake: convey to MNDNR	6/30/2019
Protect 400 acres on targeted riparian and forested watershed parcels via conservation easement	June 30 2021
Manage, monitor and enforce conservation easements	ongoing in perpetuity

Date of Final Report Submission: 10/30/2021

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 400 acres will be permanently protected from development and fragmentation through conservation easements. 45 acres will protect sensitive shoreland and spawn area for muskellunge and walleye on Leech Lake and Cedar Lake that will maintain high biological integrity. 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

Grant outputs have been reduced proportionate to the award amount.

Total Amount of Request: \$ 2801000

Budget and Cash Leverage

BudgetName	LSOHC Request	Anticipated Leverage	Leverage Source	Total
Personnel	\$180,000	\$0		\$180,000
Contracts	\$45,000	\$0		\$45,000
Fee Acquisition w/ PILT	\$811,000	\$87,500	Cedar Lake Conservancy	\$898,500
Fee Acquisition w/o PILT	\$0	\$0		\$0
Easement Acquisition	\$1,400,000	\$330,000	Landowner donation	\$1,730,000
Easement Stewardship	\$120,000	\$0		\$120,000
Travel	\$16,000	\$0		\$16,000
Professional Services	\$152,000	\$0		\$152,000
Direct Support Services	\$55,000	\$0		\$55,000
DNR Land Acquisition Costs	\$16,000	\$0		\$16,000
Capital Equipment	\$0	\$0		\$0
Other Equipment/Tools	\$4,000	\$0		\$4,000
Supplies/Materials	\$2,000	\$0		\$2,000
DNR IDP	\$0	\$0		\$0
Total	\$2,801,000	\$417,500		\$3,218,500

Personnel

Position	FTE	Over # of years	LSOHC Request	Anticipated Leverage	Leverage Source	Total
Protection Staff - MLT	0.33	3.00	\$90,000	\$0		\$90,000
Conservation	0.33	3.00	\$90,000	\$0		\$90,000
Total	0.66	6.00	\$180,000	\$0		\$180,000

Budget and Cash Leverage by Partnership

BudgetName	Partnership	LSOHC Request	Anticipated Leverage	Leverage Source	Total
Personnel	Minnesota Land Trust	\$90,000	\$0		\$90,000
Contracts	Minnesota Land Trust	\$30,000	\$0		\$30,000
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	\$1,400,000	\$330,000	Landowner donation	\$1,730,000
Easement Stewardship	Minnesota Land Trust	\$120,000	\$0		\$120,000
Travel	Minnesota Land Trust	\$8,000	\$0		\$8,000
Professional Services	Minnesota Land Trust	\$118,000	\$0		\$118,000
Direct Support Services	Minnesota Land Trust	\$26,000	\$0		\$26,000
DNR Land Acquisition Costs	Minnesota Land Trust	\$0	\$0		\$0
Capital Equipment	Minnesota Land Trust	\$0	\$0		\$0
Other Equipment/Tools	Minnesota Land Trust	\$4,000	\$0		\$4,000
Supplies/Materials	Minnesota Land Trust	\$0	\$0		\$0
DNR IDP	Minnesota Land Trust	\$0	\$0		\$0
Total		\$1,796,000	\$330,000		\$2,126,000

Personnel - Minnesota Land Trust

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

BudgetName	Partnership	LSOHC Request	Anticipated Leverage	Leverage Source	Total
Personnel	Leech Lake Area Watershed Foundation	\$90,000	\$0		\$90,000
Contracts	Leech Lake Area Watershed Foundation	\$15,000	\$0		\$15,000
Fee Acquisition w/ PILT	Leech Lake Area Watershed Foundation	\$811,000	\$87,500	Cedar Lake Conservancy	\$898,500
Fee Acquisition w/o PILT	Leech Lake Area Watershed Foundation	\$0	\$0		\$0
Easement Acquisition	Leech Lake Area Watershed Foundation	\$0	\$0		\$0
Easement Stewardship	Leech Lake Area Watershed Foundation	\$0	\$0		\$0
Travel	Leech Lake Area Watershed Foundation	\$8,000	\$0		\$8,000
Professional Services	Leech Lake Area Watershed Foundation	\$34,000	\$0		\$34,000
Direct Support Services	Leech Lake Area Watershed Foundation	\$29,000	\$0		\$29,000
DNR Land Acquisition Costs	Leech Lake Area Watershed Foundation	\$16,000	\$0		\$16,000
Capital Equipment	Leech Lake Area Watershed Foundation	\$0	\$0		\$0
Other Equipment/Tools	Leech Lake Area Watershed Foundation	\$0	\$0		\$0
Supplies/Materials	Leech Lake Area Watershed Foundation	\$2,000	\$0		\$2,000
DNR IDP	Leech Lake Area Watershed Foundation	\$0	\$0		\$0
Total		\$1,005,000	\$87,500		\$1,092,500

Personnel - Leech Lake Area Watershed Foundation

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

Amount of Request: \$2,801,000

Amount of Leverage: \$417,500

Leverage as a percent of the Request: 14.91%

DSS + Personnel: \$235,000

As a % of the total request: 8.39%

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

Like all conservation entities, the Minnesota Land Trust & Leech Lake Area Watershed Foundation have direct support expenses which are essential to complete a conservation project, which include such costs as administrative support staff, office space, printing and office supplies. This proposal accounts for these critical expenses which are consistent with the Land Trust's current application for a federal indirect expense rate. LLAWF calculated using similar methodology and will be matching our indirect through fundraising.

Does the amount in the contract line include R/E work?

No. Funds allocated to the contract line item are for the writing of habitat management plans for easement properties.

Describe and explain leverage source and confirmation of funds:

Minnesota Land Trust and Leech Lake Area Watershed Foundation encourage landowners to donate conservation easement value. Specifically, sources of leverage in this budget include landowner donation of easement value (\$330,000); Cedar Lake Conservancy will provide \$87,500 in leverage towards fee title acquisition.

Output Tables

Table 1a. Acres by Resource Type

Type	Wetlands	Prairies	Forest	Habitats	Total
Restore	0	0	0	0	0
Protect in Fee with State PILT Liability	0	0	0	45	45
Protect in Fee W/O State PILT Liability	0	0	0	0	0
Protect in Easement	0	0	0	400	400
Enhance	0	0	0	0	0
Total	0	0	0	445	445

Table 2. Total Funding by Resource Type

Type	Wetlands	Prairies	Forest	Habitats	Total
Restore	\$0	\$0	\$0	\$0	\$0
Protect in Fee with State PILT Liability	\$0	\$0	\$0	\$851,000	\$851,000
Protect in Fee W/O State PILT Liability	\$0	\$0	\$0	\$0	\$0
Protect in Easement	\$0	\$0	\$0	\$1,950,000	\$1,950,000
Enhance	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$2,801,000	\$2,801,000

Table 3. Acres within each Ecological Section

Type	Metro Urban	ForestPrairie	SE Forest	Prairie	N Forest	Total
Restore	0	0	0	0	0	0
Protect in Fee with State PILT Liability	0	0	0	0	45	45
Protect in Fee W/O State PILT Liability	0	0	0	0	0	0
Protect in Easement	0	0	0	0	400	400
Enhance	0	0	0	0	0	0
Total	0	0	0	0	445	445

Table 4. Total Funding within each Ecological Section

Type	Metro Urban	ForestPrairie	SE Forest	Prairie	N Forest	Total
Restore	\$0	\$0	\$0	\$0	\$0	\$0
Protect in Fee with State PILT Liability	\$0	\$0	\$0	\$0	\$851,000	\$851,000
Protect in Fee W/O State PILT Liability	\$0	\$0	\$0	\$0	\$0	\$0
Protect in Easement	\$0	\$0	\$0	\$0	\$1,950,000	\$1,950,000
Enhance	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$2,801,000	\$2,801,000

Table 5. Average Cost per Acre by Resource Type

Type	Wetlands	Prairies	Forest	Habitats
Restore	\$0	\$0	\$0	\$0
Protect in Fee with State PILT Liability	\$0	\$0	\$0	\$18911
Protect in Fee W/O State PILT Liability	\$0	\$0	\$0	\$0
Protect in Easement	\$0	\$0	\$0	\$4875
Enhance	\$0	\$0	\$0	\$0

Table 6. Average Cost per Acre by Ecological Section

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	Northern Forest
Restore	\$0	\$0	\$0	\$0	\$0
Protect in Fee with State PILT Liability	\$0	\$0	\$0	\$0	\$18911
Protect in Fee W/O State PILT Liability	\$0	\$0	\$0	\$0	\$0
Protect in Easement	\$0	\$0	\$0	\$0	\$4875
Enhance	\$0	\$0	\$0	\$0	\$0

Target Lake/Stream/River Feet or Miles

1 Mile

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	45	\$875,000	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?
Bass Lake	14026227	0	\$0	no	no	No
Cooper	14028211	0	\$0	No	No	No
Deep Portage	13929207	0	\$0	no	no	No
Girl Lake	14128233	0	\$0	no	no	No
Leech Lake - Agency Bay	14230219	0	\$0	No	Full	Full
Long Lake	14128223	0	\$0	no	no	No
Long Lake	14231233	0	\$0	no	no	No
Thunder Lake	14026209	0	\$0	no	no	No
Washburn Lake	13926209	0	\$0	no	no	No
Women Lake	14028206	0	\$0	no	no	No

Crow Wing

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
Big Trout	13728223	0	\$0	no	no	No
Borden Lake	04428215	0	\$0	no	no	No
Crooked Lake	04528216	0	\$0	no	no	No
Kenny Lake	04428202	0	\$0	no	no	No
Lower Hay Lake	13729225	0	\$0	no	no	No
Ossawinamakee Lake	13628204	0	\$0	no	no	No
Pelican Lake	13628227	0	\$0	no	no	No
Roosevelt Lake	13826208	0	\$0	no	no	No
Star Lake	13728225	0	\$0	no	no	No
Whitefish Lake	13728207	0	\$0	no	no	No

Hubbard

Name	TRDS	Acres	Est Cost	Existing Protection?	Hunting?	Fishing?
Big Mantrap Lake	14233232	140	\$750,000	no	no	No
Big Sand Lake	14138228	0	\$0	no	no	No
Eleventh Crow Wing Lake	14132215	0	\$0	no	no	No
Kabekona Lake	14332230	0	\$0	no	no	No
Ninth Crow Wing Lake	14032206	0	\$0	no	no	No
Spearhead Lake	15434223	0	\$0	no	no	No

Section 2a - Protect Parcel with Bldgs

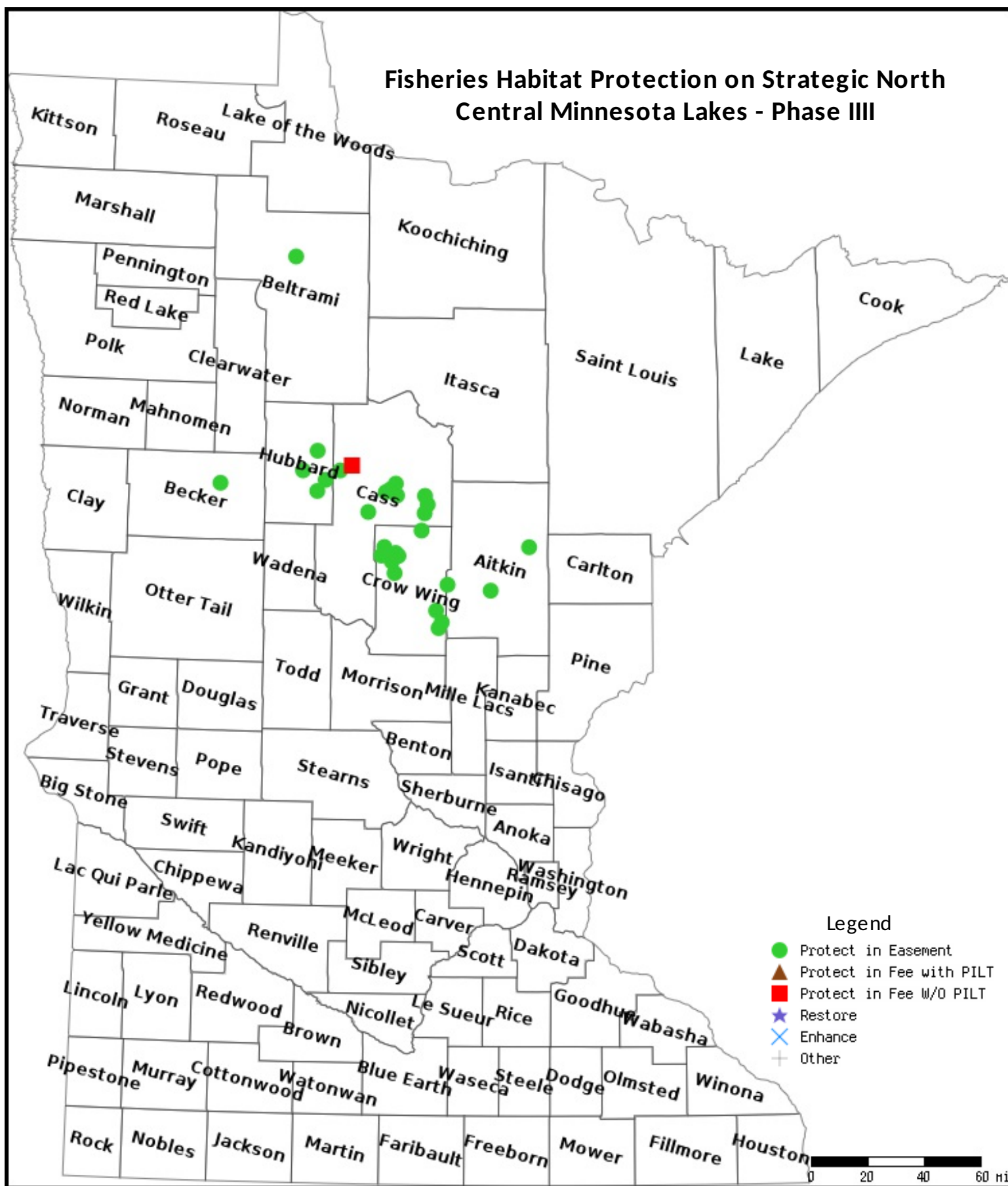
No parcels with an activity type protect and has buildings.

Section 3 - Other Parcel Activity

No parcels with an other activity type.

Parcel Map

Fisheries Habitat Protection on Strategic North Central Minnesota Lakes - Phase III



Data Generated From Parcel List

Clean Water Critical Habitat Project Scoresheet

Score	Max Points	Criteria	Guidelines -												
	30	Feet of shoreline**	10 points for 400 feet -999 15 points for 1,000-2,000 20 points for 2,000-3,000 30 points for more than 3,000												
	30	Parcel Acres	<table><tr><td>Shoreline</td><td>Forested</td></tr><tr><td>10 points for 3-5 acres</td><td>10 points for 10-15 acres</td></tr><tr><td>15 points for 6-10</td><td>15 points for 16-25</td></tr><tr><td>20 points for 11-15</td><td>20 points for 26-40</td></tr><tr><td>25 points for 16-20</td><td>25 points for 41-60</td></tr><tr><td>30 points for 21 or greater</td><td>30 points for 61 or greater</td></tr></table>	Shoreline	Forested	10 points for 3-5 acres	10 points for 10-15 acres	15 points for 6-10	15 points for 16-25	20 points for 11-15	20 points for 26-40	25 points for 16-20	25 points for 41-60	30 points for 21 or greater	30 points for 61 or greater
Shoreline	Forested														
10 points for 3-5 acres	10 points for 10-15 acres														
15 points for 6-10	15 points for 16-25														
20 points for 11-15	20 points for 26-40														
25 points for 16-20	25 points for 41-60														
30 points for 21 or greater	30 points for 61 or greater														
	10	In Tullibee Lake Watershed	Yes or No												
	20	Designated Sensitive Shoreland	10 point for 200-499 feet 15 points for 500-1,000 20 points for 1,000-or greater												
	20	Development Potential of Proposed Easement	1-20 points based on the proportion of tract that is developable (10%= 2 pts)												
	20	% Developed	Scoring levels based on amount of impervious surface (buildings, roads, etc) on the parcel. No development=20, 25% impervious=0												
	10	Urgency	Property Protection opportunity is likely to be lost if we do not act quickly												
	10	Wetlands	Wetlands on parcel 2 points for Types 1 and 2 5 points for Types 3 and 6 8 points for Types 7 and 8 10 Points for Types 4 and 5												
	20	Adjoining public land or cons easement	20, No=0 Public land would include tribal land.												
	10	Forest or wildlife habitat management plan on property	Yes=10, No=0												
	10	Stream inlet or outlet, on or adjacent to property	Yes=10, No=0												
	10	Bonus Points —Critical fisheries habitat on property	Adjacent to documented or observed critical fisheries habitat Yes=10, No=0												
	10	Bonus Points --Critical Wildlife Habitat	Documented or observed rare or endangered species on property=10, Adjacent=10, No=0												
0	210	Totals													

Lessard-Sams Outdoor Heritage Council

Comparison Report

Program Title: 2018 - Fisheries Habitat Protection on Strategic North Central Minnesota Lakes - Phase IIII

Organization: Leech Lake Area Watershed Foundation

Manager: Lindsey Ketchel

Budget

Requested Amount: \$7,099,700

Appropriated Amount: \$2,801,000

Percentage: 39.45%

Budget Item	Total Requested		Total Appropriated		Percentage of Request	
	LSOHC Request	Anticipated Leverage	Appropriated Amount	Anticipated Leverage	Percentage of Request	Percentage of Leverage
Personnel	\$279,000	\$0	\$180,000	\$0	64.52%	-
Contracts	\$131,000	\$0	\$45,000	\$0	34.35%	-
Fee Acquisition w/ PILT	\$1,620,000	\$400,000	\$811,000	\$87,500	50.06%	21.88%
Fee Acquisition w/o PILT	\$0	\$0	\$0	\$0	-	-
Easement Acquisition	\$4,500,000	\$1,350,000	\$1,400,000	\$330,000	31.11%	24.44%
Easement Stewardship	\$216,000	\$0	\$120,000	\$0	55.56%	-
Travel	\$21,000	\$0	\$16,000	\$0	76.19%	-
Professional Services	\$233,000	\$0	\$152,000	\$0	65.24%	-
Direct Support Services	\$73,700	\$0	\$55,000	\$0	74.63%	-
DNR Land Acquisition Costs	\$15,000	\$0	\$16,000	\$0	106.67%	-
Capital Equipment	\$0	\$0	\$0	\$0	-	-
Other Equipment/Tools	\$4,000	\$0	\$4,000	\$0	100.00%	-
Supplies/Materials	\$7,000	\$0	\$2,000	\$0	28.57%	-
DNR IDP	\$0	\$0	\$0	\$0	-	-
Total	\$7,099,700	\$1,750,000	\$2,801,000	\$417,500	39.45%	23.86%

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

Grant outputs have been reduced proportionate to the award amount.

Output

Table 1a. Acres by Resource Type

Type	Total Proposed	Total in AP	Percentage of Proposed
Restore	0	0	-
Protect in Fee with State PILT Liability	145	45	31.03%
Protect in Fee W/O State PILT Liability	0	0	-
Protect in Easement	1,300	400	30.77%
Enhance	0	0	-

Table 2. Total Funding by Resource Type

Type	Total Proposed	Total in AP	Percentage of Proposed
Restore	0	0	-
Protect in Fee with State PILT Liability	1,686,000	851,000	50.47%
Protect in Fee W/O State PILT Liability	0	0	-
Protect in Easement	5,413,700	1,950,000	36.02%
Enhance	0	0	-

Table 3. Acres within each Ecological Section

Type	Total Proposed	Total in AP	Percentage of Proposed
Restore	0	0	-
Protect in Fee with State PILT Liability	145	45	31.03%
Protect in Fee W/O State PILT Liability	0	0	-
Protect in Easement	1,300	400	30.77%
Enhance	0	0	-

Table 4. Total Funding within each Ecological Section

Type	Total Proposed	Total in AP	Percentage of Proposed
Restore	0	0	-
Protect in Fee with State PILT Liability	1,686,000	851,000	50.47%
Protect in Fee W/O State PILT Liability	0	0	-
Protect in Easement	5,413,700	1,950,000	36.02%
Enhance	0	0	-