

Lessard-Sams Outdoor Heritage Council

Laws of Minnesota 2019 Accomplishment Plan



Date: October 18, 2018

Program or Project Title: DNR Aquatic Habitat Restoration and Enhancement, Phase 2

Funds Recommended: \$ 3,208,000

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

Appropriation Language:

County Locations: Aitkin, Anoka, Becker, Big Stone, Brown, Carlton, Carver, Cass, Chippewa, Clay, Clearwater, Cook, Crow Wing, Dakota, Douglas, Fillmore, Freeborn, Goodhue, Hubbard, Kandiyohi, Lake, Le Sueur, Marshall, Meeker, Mille Lacs, Mower, Olmsted, Otter Tail, Pope, Redwood, Renville, Rice, Scott, Sherburne, St. Louis, Wabasha, Waseca, Washington, Winona, and Wright.

Eco regions in which work will take place:

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

Activity types:

- Enhance
- Restore

Priority resources addressed by activity:

- Habitat

Abstract:

The Minnesota Department of Natural Resources (MNDNR) will complete a fish passage project on the Otter Tail River to reconnect eight miles of stream habitat and 96 acres of lake habitat for fish and other aquatic life. We will also restore four miles of stream habitat on a previously straightened portion of Stony Creek. Stream projects were selected from a statewide list, prioritized by factors such as ecological benefit, scale of impact, urgency of completion, and local support. On Aquatic Management Areas, MNDNR will enhance over 900 acres of riparian and terrestrial habitat.

Design and scope of work:

The Minnesota Department of Natural Resources (MNDNR) annually updates a statewide list of stream habitat projects. Submittals come both from MNDNR staff and from partner organizations. Projects are prioritized based on scale-of-impact, urgency, local support, and critical habitat for rare species. Based on this list, MNDNR and our partners originally proposed three fish passage projects and four channel restorations. Based on allocated funds, we plan to complete our two highest priority projects in need of funding. These projects are modifying the dam on the Otter Tail River at Phelps Mill to allow fish passage, and restoring the stream channel on Stony

Creek. Projects will benefit fish such as walleye, smallmouth bass, and northern pike present in these rivers, as well as five mussel species classified as threatened or special concern. If cost savings or other circumstances allow, we will use available funds for our next highest achievable project on the priority list.

The modification of the Phelps Mill Dam was previously funded by the Outdoor Heritage in the ML2016 appropriation. However, the dam owner (Otter Tail County) is now willing to adopt our preferred option of a full modification of the dam rather than the previous option of a partial fishway. The bigger project will make for better fish passage, and will create additional spawning habitat within the created rapids. However, the cost of such a project is higher. An additional \$800,000 from this appropriation will be used to complete the project, allowing us to take full advantage of a \$300,000 US Fish and Wildlife Service grant. The project will create access to eight miles of upstream habitat, and 96 acres of lake habitat. We will not claim those acres as outputs, but instead will claim only 1 acre of direct habitat created.

Stony Brook was straightened over four miles prior to the 1930s to facilitate drainage. We will partner with the Buffalo/Red River Watershed District to restore this reach back into a meandering stream, providing diverse habitats for fish and other aquatic species. The restored stream will be protected within Reinvest In Minnesota easements with surrounding landowners. Easements will be funded by the Bureau of Soil and Water Resources.

We propose to enhance over 900 acres of riparian habitat and associated uplands on 70 Aquatic Management Areas (AMA), costing approximately \$450,000. The DNR manages these lands to protect critical shoreline habitat used by fish spawning, waterfowl, wading birds, reptiles and amphibians. Uplands in these parcels provide a buffer to protect water quality, and habitat for more terrestrial species. Our enhancement work includes shoreline plantings, invasive species control, and prescribed burns. Projects are selected based on management guidance documents that have been written for each AMA.

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:

Fish passage projects on the Otter Tail River will benefit three state-listed mussel species: black sandshell (special concern), fluted-shell (threatened), and creek heelsplitter (special concern). The dam is currently blocking the upstream movement of juvenile mussels during the life-stage when they live on the gills of fish. Juvenile mussels hitch a ride from the fish, and eventually drop off in habitat where they spend the rest their lives. If fish are blocked from movement, so are mussels. Without connectivity to other reaches of the river, mussels can eventually disappear. This projects will create connectivity to over 8 miles of suitable mussel habitat.

Describe the science based planning and evaluation model used:

Our proposal features projects that are intended to reduce fragmentation. Dams and other obstructions in rivers fragment areas of suitable habitat, similar to when pieces of prairie are separated by large areas of row-crop farmland. By removing or modifying barriers in streams, we will allow fish and other aquatic life to move between different patches of habitat that may be critical for their life-processes, such as spawning. Connectivity also acts as a route for recolonization should something catastrophic such as drought happen in one portion of a watershed. We have prioritized fish passage projects that connect large areas of high-quality habitat.

Similarly, our stream channel restoration projects target reaches of river where habitat is poor due past alterations. Lengths of poor habitat can themselves act as barriers to animal movement, where a fish may choose not to migrate through a reach without adequate depth or cover to reach more suitable habitat upstream. Restoring the stream channel removes that "barrier" of poor habitat that fragments the stream. In the process, we also create high-quality habitat within the formerly degraded reach as well.

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

- H5 Restore land, wetlands and wetland-associated watersheds
- H6 Protect and restore critical in-water habitat of lakes and streams

Which other plans are addressed in this program:

- Minnesota DNR Strategic Conservation Agenda
- National Fish Habitat Action Plan

Which LSOHC section priorities are addressed in this program:

Forest / Prairie Transition:

- Protect, enhance, and restore wild rice wetlands, shallow lakes, wetland/grassland complexes, aspen parklands, and shoreland that provide critical habitat for game and nongame wildlife

Metro / Urban:

- Protect, enhance, and restore riparian and littoral habitats on lakes to benefit game and nongame fish species

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

Prairie:

- Protect, enhance, or restore existing wetland/upland complexes, or convert agricultural lands to new wetland/upland habitat complexes

Southeast Forest:

- Protect, enhance, and restore habitat for fish, game, and nongame wildlife in rivers, cold-water streams, and associated upland habitat

Relationship to other funds:

- Not Listed

Does this program include leverage in funds:

Not Listed

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 is an acceleration of DNR aquatic habitat work to a level not attainable but for the appropriation.

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

Appropriation Year	Source	Amount
2017	Game and Fish, Heritage Enhancement, and Federal Grants	3,681,500
2016	Game and Fish, Heritage Enhancement, and Federal Grants	3,267,000
2014	Game and Fish, Heritage Enhancement, and Federal Grants	3,596,000
2013	Game and Fish, Heritage Enhancement, and Federal Grants	4,062,000
2012	Game and Fish, Heritage Enhancement, and Federal Grants	2,404,000

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

For stream channel restoration and fish passage projects, we do not anticipate significant maintenance will be required once vegetation becomes established. Any minor maintenance will be paid for using non-OHF money such as Game and Fish or Heritage Enhancement. For AMA enhancement work, management of vegetation has ongoing costs. DNR uses a mixture of Game and Fish, Heritage Enhancement, and Outdoor Heritage funding to pay for subsequent maintenance. If OHF money were not available in the future, we would likely reduce the frequency of vegetation maintenance work.

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

Year	Source of Funds	Step 1	Step 2	Step 3
Annual	Game and Fish	Inspect project	Control invasives	Make instream adjustments as needed

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 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 (AMA, Permanently Protected Conservation Easements County/Municipal, Public Waters)**

Accomplishment Timeline:

Activity	Approximate Date Completed
Design of fish passage and channel restoration projects	March, 2020
Permitting and environmental review of fish passage and channel restoration projects	December, 2020
Construction of fish passage and channel restoration projects	September, 2022
Vegetation maintenance on fish passage and channel restoration projects	June, 2024
Enhancement of riparian areas and associated uplands on Aquatic Management Areas	June, 2024

Date of Final Report Submission: 11/1/2024

Federal Funding:

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

Are the funds confirmed - **Yes**

Documentation

What are the types of funds?

Cash Match - \$300000

In-Kind Match - \$

Other -

Outcomes:

Programs in the northern forest region:

- Improved aquatic habitat indicators *For the Sucker River and Fredenberg Creek projects, we will evaluate instream habitat as well as brook trout populations to assess success.*

Programs in forest-prairie transition region:

- Protected, restored, and enhanced aspen parklands and riparian areas *Our AMA work will enhance riparian areas in this region. Will assess the amount of native plant cover and the control of invasive plant species as measures of our success.*

Programs in metropolitan urbanizing region:

- Improved aquatic habitat indicators *Our AMA work will enhance riparian areas in this region. Will assess the amount of native plant cover and the control of invasive plant species as measures of our success.*

Programs in southeast forest region:

- Rivers, streams, and surrounding vegetation provide corridors of habitat *We will evaluate instream and riparian habitat measures to*

evaluate the success of the North Branch Whitewater River restoration.

Programs in prairie region:

- Two stream channel restorations in this region will improve in-channel and riparian habitat. We will use metrics that evaluate instream and floodplain habitat to assess our success.

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

We plan to complete our two highest priority stream projects. The remainder (\$450,000) will be spent on AMA enhancement projects. Professional design services will be included in contracts with partners on stream projects. Increased supplies reflect a better understanding of enhancement work to be done by DNR on AMAs.

Total Amount of Request: \$ 3208000

Budget and Cash Leverage

BudgetName	LSOHC Request	Anticipated Leverage	Leverage Source	Total
Personnel	\$0	\$0		\$0
Contracts	\$3,080,700	\$279,000	US Fish and Wildlife Service and Buffalo/Red River Watershed District	\$3,359,700
Fee Acquisition w/ PILT	\$0	\$0		\$0
Fee Acquisition w/o PILT	\$0	\$0		\$0
Easement Acquisition	\$0	\$0		\$0
Easement Stewardship	\$0	\$0		\$0
Travel	\$0	\$0		\$0
Professional Services	\$0	\$0		\$0
Direct Support Services	\$7,600	\$0		\$7,600
DNR Land Acquisition Costs	\$0	\$0		\$0
Capital Equipment	\$0	\$0		\$0
Other Equipment/Tools	\$0	\$0		\$0
Supplies/Materials	\$119,700	\$0		\$119,700
DNR IDP	\$0	\$0		\$0
Total	\$3,208,000	\$279,000		\$3,487,000

Amount of Request: \$3,208,000

Amount of Leverage: \$279,000

Leverage as a percent of the Request: 8.70%

DSS + Personnel: \$7,600

As a % of the total request: 0.24%

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

The DNR uses a formula based on direct and necessary costs to support the appropriation.

What is included in the contacts line?

Contracts for construction of stream projects with Otter Tail County to modify the Phelps Mill Dam, and with Buffalo/Red River Watershed to restore a portion of Stony Creek, and include professional design services provided or contracted by partners. Remaining contracts are with CCM or private vendors for AMA enhancement.

Describe and explain leverage source and confirmation of funds:

The Phelps Mill project will leverage \$300,000 of confirmed USFWS grant funds, which will be proportionally split between this appropriation and ML2016, where OH funds were also allocated for this project. The Buffalo/Red River Watershed District has committed \$99,000 in funding toward Stony Creek.

Output Tables

Table 1a. Acres by Resource Type

Type	Wetlands	Prairies	Forest	Habitats	Total
Restore	0	0	0	49	49
Protect in Fee with State PILT Liability	0	0	0	0	0
Protect in Fee W/O State PILT Liability	0	0	0	0	0
Protect in Easement	0	0	0	0	0
Enhance	0	0	0	901	901
Total	0	0	0	950	950

Table 2. Total Funding by Resource Type

Type	Wetlands	Prairies	Forest	Habitats	Total
Restore	\$0	\$0	\$0	\$1,944,600	\$1,944,600
Protect in Fee with State PILT Liability	\$0	\$0	\$0	\$0	\$0
Protect in Fee W/O State PILT Liability	\$0	\$0	\$0	\$0	\$0
Protect in Easement	\$0	\$0	\$0	\$0	\$0
Enhance	\$0	\$0	\$0	\$1,263,400	\$1,263,400
Total	\$0	\$0	\$0	\$3,208,000	\$3,208,000

Table 3. Acres within each Ecological Section

Type	Metro Urban	ForestPrairie	SE Forest	Prairie	N Forest	Total
Restore	0	0	0	49	0	49
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	0	0
Protect in Easement	0	0	0	0	0	0
Enhance	88	140	47	201	425	901
Total	88	140	47	250	425	950

Table 4. Total Funding within each Ecological Section

Type	Metro Urban	ForestPrairie	SE Forest	Prairie	N Forest	Total
Restore	\$0	\$0	\$0	\$1,944,600	\$0	\$1,944,600
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	\$0	\$0
Protect in Easement	\$0	\$0	\$0	\$0	\$0	\$0
Enhance	\$83,100	\$862,300	\$29,400	\$127,900	\$160,700	\$1,263,400
Total	\$83,100	\$862,300	\$29,400	\$2,072,500	\$160,700	\$3,208,000

Table 5. Average Cost per Acre by Resource Type

Type	Wetlands	Prairies	Forest	Habitats
Restore	\$0	\$0	\$0	\$39686
Protect in Fee with State PILT Liability	\$0	\$0	\$0	\$0
Protect in Fee W/O State PILT Liability	\$0	\$0	\$0	\$0
Protect in Easement	\$0	\$0	\$0	\$0
Enhance	\$0	\$0	\$0	\$1402

Table 6. Average Cost per Acre by Ecological Section

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	Northern Forest
Restore	\$0	\$0	\$0	\$39686	\$0
Protect in Fee with State PILT Liability	\$0	\$0	\$0	\$0	\$0
Protect in Fee W/O State PILT Liability	\$0	\$0	\$0	\$0	\$0
Protect in Easement	\$0	\$0	\$0	\$0	\$0
Enhance	\$944	\$6159	\$626	\$636	\$378

Automatic system calculation / not entered by managers

Target Lake/Stream/River Feet or Miles

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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

Aitkin

Name	TRDS	Acres	Est Cost	Existing Protection?
Mud River AMA	04527205	10	\$10,000	Yes

Anoka

Name	TRDS	Acres	Est Cost	Existing Protection?
Ham Lake AMA	03223220	7	\$2,400	Yes

Becker

Name	TRDS	Acres	Est Cost	Existing Protection?
Cotton Lake AMA	13940203	8	\$5,000	Yes
Straight Lake AMA	14036220	10	\$10,000	Yes
Toad Lake AMA	13938216	40	\$10,000	Yes

Big Stone

Name	TRDS	Acres	Est Cost	Existing Protection?
Minnesota River Headwaters AMA	12146209	10	\$2,400	Yes

Brown

Name	TRDS	Acres	Est Cost	Existing Protection?
Cottonwood River AMA	10932203	18	\$4,800	Yes

Carlton

Name	TRDS	Acres	Est Cost	Existing Protection?
Blackho of River AMA	04717227	50	\$5,000	Yes
Little Otter Creek AMA	04817206	11	\$5,000	Yes

Carver

Name	TRDS	Acres	Est Cost	Existing Protection?
Lotus Lake AMA	11623201	5	\$14,400	Yes

Cass

Name	TRDS	Acres	Est Cost	Existing Protection?
Ah Gwah Ching	14131202	25	\$0	Yes
Buetow AMA	14228216	5	\$5,000	Yes
Woman Lake AMA	14029201	5	\$5,000	Yes

Chippewa

Name	TRDS	Acres	Est Cost	Existing Protection?
Wakan Wakpa AMA	11741213	1	\$2,400	Yes

Clay

Name	TRDS	Acres	Est Cost	Existing Protection?
Silver Lake AMA	13945225	52	\$15,000	Yes
Stony Creek	13746202	48	\$1,944,000	Yes
Whisky Creek	13746218	72	\$3,500,000	Yes

Clearwater

Name	TRDS	Acres	Est Cost	Existing Protection?
Lost Lake AMA	14327220	5	\$5,000	Yes

Cook

Name	TRDS	Acres	Est Cost	Existing Protection?
Fredenber Creek	05805203	1	\$346,500	Yes

Crow Wing

Name	TRDS	Acres	Est Cost	Existing Protection?
Bertha-Moody Lake AMA	13528232	25	\$10,000	Yes
Gilbert Lake AMA	13428228	50	\$10,000	Yes
Nokassippi River AMA	04529228	50	\$10,000	Yes
North Long Lake AMA	13428204	30	\$15,000	Yes

Dakota

Name	TRDS	Acres	Est Cost	Existing Protection?
Gores AMA	11517223	10	\$5,000	Yes

Douglas

Name	TRDS	Acres	Est Cost	Existing Protection?
Big Chippewa Lake AMA	12939201	5	\$14,600	Yes
Bliss AMA	13037221	8	\$4,800	Yes
Geneva Lake AMA	12837216	1	\$2,400	Yes
Ida Lake AMA	12938226	5	\$4,800	Yes
Jessie Lake AMA	12837227	11	\$6,200	Yes
Lake Carlos Dam	12937216	1	\$180,000	Yes
Maple Lake AMA	12737231	5	\$2,400	Yes
Mary Lake AMA	12738216	45	\$2,400	Yes
Miltona AMA	13037232	20	\$9,600	Yes
Pearson Cove AMA	12838227	2	\$2,400	Yes
West Rachel Shores AMA	12839215	9	\$6,100	Yes

Fillmore

Name	TRDS	Acres	Est Cost	Existing Protection?
Etna Creek AMA	10213236	5	\$7,400	Yes
Lanesboro Hatchery AMA	10310225	10	\$4,800	Yes
Petersen Hatchery AMA	10408232	20	\$4,800	Yes

Freeborn

Name	TRDS	Acres	Est Cost	Existing Protection?
Juglans Woods AMA	10221225	10	\$9,600	Yes

Goodhue

Name	TRDS	Acres	Est Cost	Existing Protection?
Gemini AMA	11217207	48	\$7,200	Yes

Hubbard

Name	TRDS	Acres	Est Cost	Existing Protection?
Bottle Lake AMA	14134214	3	\$5,000	Yes
Grace Lake AMA	14532205	9	\$5,000	Yes
Lester Lake AMA	14232206	15	\$10,000	Yes
Spider Lake AMA	14133228	5	\$5,000	Yes
Straight River AMA	13935210	5	\$5,000	Yes

Kandiyohi

Name	TRDS	Acres	Est Cost	Existing Protection?
Elizabeth AMA	11833203	10	\$9,600	Yes
Games AMA	12235232	2	\$4,800	Yes
Kasota AMA	11934236	4	\$4,800	Yes
New London Hatchery AMA	12134209	1	\$1,500	Yes
Norway Lake AMA	12136201	25	\$2,400	Yes
Norway Lake AMA	12136206	1	\$2,000	Yes

Lake

Name	TRDS	Acres	Est Cost	Existing Protection?
Balsam Lake AMA	05807203	15	\$5,000	Yes
Baptism River AMA	05707234	15	\$5,000	Yes
East Beaver River AMA	05608221	15	\$5,000	Yes

Le Sueur

Name	TRDS	Acres	Est Cost	Existing Protection?
German Lake AMA	11024232	2	\$2,400	Yes
St. Peter AMA	11026214	7	\$9,600	Yes
Tetonka Lake AMA	10923217	4	\$3,600	Yes
Vo Iney Lake AMA	11024201	2	\$2,400	Yes
Waterville Hatchery AMA	10923228	5	\$9,600	Yes

Marshall

Name	TRDS	Acres	Est Cost	Existing Protection?
Frank Rose AMA	15750230	40	\$10,000	Yes

Meeker

Name	TRDS	Acres	Est Cost	Existing Protection?
Little Wolf AMA	11829227	3	\$6,000	Yes
Long Lake AMA	11830223	3	\$4,800	Yes
Minniebelle AMA	11831212	16	\$7,000	Yes
North Fork Crow River AMA	12132224	10	\$9,600	Yes

Mille Lacs

Name	TRDS	Acres	Est Cost	Existing Protection?
Chuck Davis AMA	03626203	16	\$15,000	Yes

Mower

Name	TRDS	Acres	Est Cost	Existing Protection?
Cedar River AMA	10218215	34	\$6,000	Yes

Olmsted

Name	TRDS	Acres	Est Cost	Existing Protection?
North Branch Whitewater River	10712216	12	\$775,000	Yes

Otter Tail

Name	TRDS	Acres	Est Cost	Existing Protection?
Franklin Lake AMA	13742222	14	\$5,000	Yes
Jewett Lake AMA	13443223	12	\$5,000	Yes
Otter Tail River at Phelps Mill	13146229	1	\$400,000	Yes
Toad River AMA	13738232	20	\$10,000	Yes

Pope

Name	TRDS	Acres	Est Cost	Existing Protection?
Glenwood HQ AMA	12538211	12	\$19,000	Yes

Redwood

Name	TRDS	Acres	Est Cost	Existing Protection?
Sanborn AMA	10936227	10	\$9,600	Yes
Whispering Ridge AMA	11439232	25	\$30,000	Yes

Renville

Name	TRDS	Acres	Est Cost	Existing Protection?
Beaver Falls AMA	11335221	5	\$4,800	Yes

Rice

Name	TRDS	Acres	Est Cost	Existing Protection?
Cannon River AMA	11120215	23	\$12,000	Yes
Dudley-Kelly AMA	11021208	2	\$2,400	Yes

Scott

Name	TRDS	Acres	Est Cost	Existing Protection?
Eagle Creek AMA	11521207	40	\$41,600	Yes
ODowd Lake AMA	11522219	3	\$4,800	Yes

Sherburne

Name	TRDS	Acres	Est Cost	Existing Protection?
Eagle Lake AMA	03427232	15	\$9,600	Yes

St. Louis

Name	TRDS	Acres	Est Cost	Existing Protection?
French River HQ AMA	05213209	50	\$30,000	Yes
Lester River AMA	05113233	50	\$5,000	Yes
Sucker River	05212230	16	\$770,000	Yes

Wabasha

Name	TRDS	Acres	Est Cost	Existing Protection?
Miller Creek AMA	11112209	15	\$2,400	Yes

Waseca

Name	TRDS	Acres	Est Cost	Existing Protection?
St. Olaf Lake AMA	10522213	3	\$2,400	Yes

Washington

Name	TRDS	Acres	Est Cost	Existing Protection?
Browns Creek AMA	03020221	12	\$4,800	Yes

Winona

Name	TRDS	Acres	Est Cost	Existing Protection?
Coolridge Creek AMA	10509223	12	\$19,200	Yes

Wright

Name	TRDS	Acres	Est Cost	Existing Protection?
Cokato Lake AMA	11928214	4	\$4,800	Yes
Granite Lake AMA	12027230	3	\$4,600	Yes
Howard Lake AMA	11927233	10	\$2,400	Yes
Indian Lake AMA	12127201	2	\$4,800	Yes
Ramsey Lake AMA	12026218	5	\$9,600	Yes

Section 2 - Protect Parcel List

No parcels with an activity type protect.

Section 2a - Protect Parcel with Bldgs

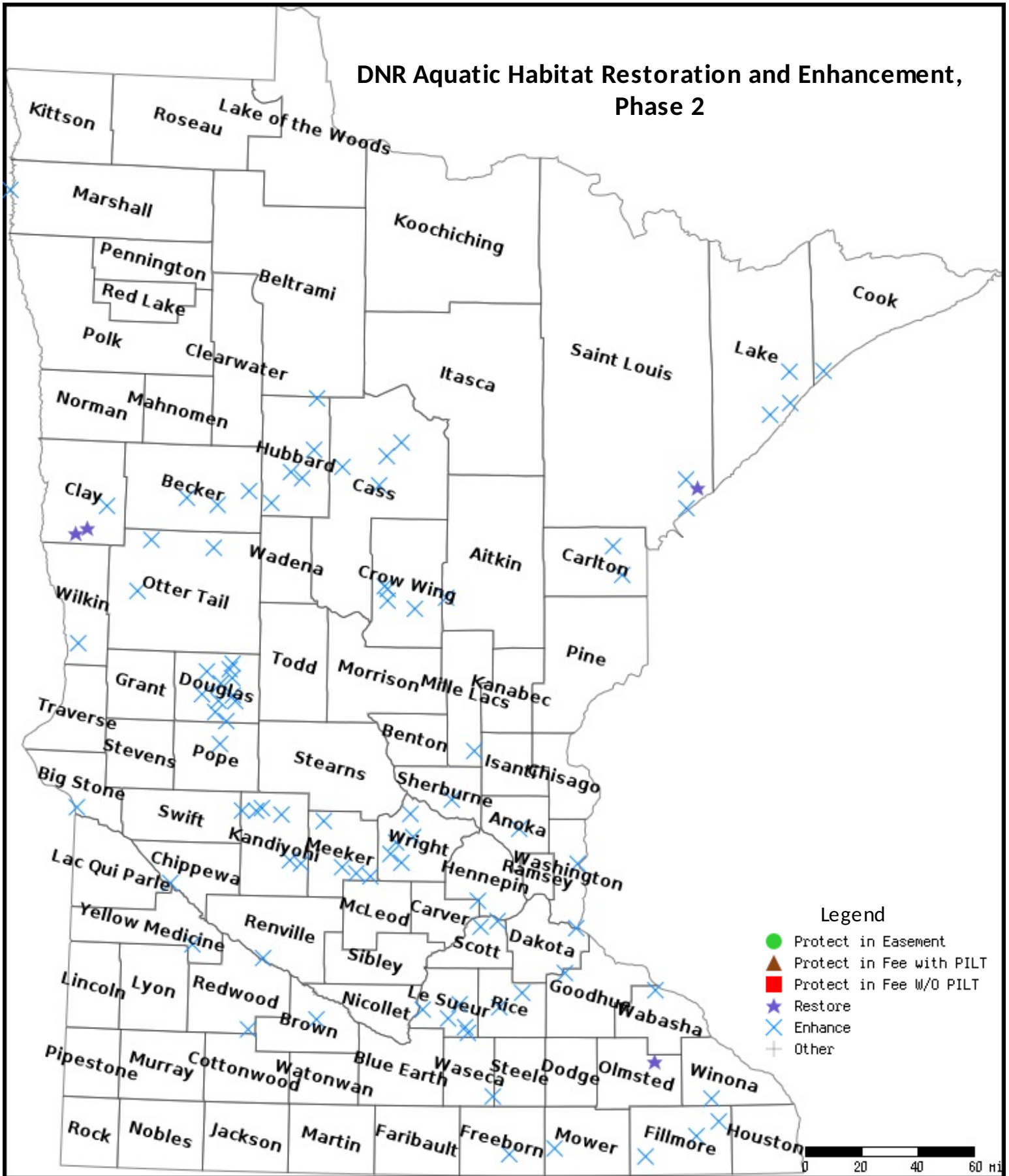
No parcels with an activity type protect and has buildings.

Section 3 - Other Parcel Activity

No parcels with an other activity type.

Parcel Map

DNR Aquatic Habitat Restoration and Enhancement, Phase 2



Data Generated From Parcel List

Lessard-Sams Outdoor Heritage Council Comparison Report

Program Title: 2019 - DNR Aquatic Habitat Restoration and Enhancement, Phase 2

Organization: MN DNR

Manager: Brian Nerbonne

Budget

Requested Amount: \$8,586,200

Appropriated Amount: \$3,208,000

Percentage: 37.36%

Budget Item	Total Requested		Total Appropriated		Percentage of Request	
	LSOHC Request	Anticipated Leverage	Appropriated Amount	Anticipated Leverage	Percentage of Request	Percentage of Leverage
Personnel	\$0	\$0	\$0	\$0	-	-
Contracts	\$8,469,700	\$502,700	\$3,080,700	\$279,000	36.37%	55.50%
Fee Acquisition w/ PILT	\$0	\$0	\$0	\$0	-	-
Fee Acquisition w/o PILT	\$0	\$0	\$0	\$0	-	-
Easement Acquisition	\$0	\$0	\$0	\$0	-	-
Easement Stewardship	\$0	\$0	\$0	\$0	-	-
Travel	\$0	\$0	\$0	\$0	-	-
Professional Services	\$36,000	\$0	\$0	\$0	0.00%	-
Direct Support Services	\$14,900	\$0	\$7,600	\$0	51.01%	-
DNR Land Acquisition Costs	\$0	\$0	\$0	\$0	-	-
Capital Equipment	\$0	\$0	\$0	\$0	-	-
Other Equipment/Tools	\$0	\$0	\$0	\$0	-	-
Supplies/Materials	\$65,600	\$0	\$119,700	\$0	182.47%	-
DNR IDP	\$0	\$0	\$0	\$0	-	-
Total	\$8,586,200	\$502,700	\$3,208,000	\$279,000	37.36%	55.50%

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

We plan to complete our two highest priority stream projects. The remainder (\$450,000) will be spent on AMA enhancement projects. Professional design services will be included in contracts with partners on stream projects. Increased supplies reflect a better understanding of enhancement work to be done by DNR on AMAs.

Output

Table 1a. Acres by Resource Type

Type	Total Proposed	Total in AP	Percentage of Proposed
Restore	148	49	33.11%
Protect in Fee with State PILT Liability	0	0	-
Protect in Fee W/O State PILT Liability	0	0	-
Protect in Easement	0	0	-
Enhance	1,267	901	71.11%

Table 2. Total Funding by Resource Type

Type	Total Proposed	Total in AP	Percentage of Proposed
Restore	7,001,100	1,944,600	27.78%
Protect in Fee with State PILT Liability	0	0	-
Protect in Fee W/O State PILT Liability	0	0	-
Protect in Easement	0	0	-
Enhance	1,585,100	1,263,400	79.70%

Table 3. Acres within each Ecological Section

Type	Total Proposed	Total in AP	Percentage of Proposed
Restore	148	49	33.11%
Protect in Fee with State PILT Liability	0	0	-
Protect in Fee W/O State PILT Liability	0	0	-
Protect in Easement	0	0	-
Enhance	1,267	901	71.11%

Table 4. Total Funding within each Ecological Section

Type	Total Proposed	Total in AP	Percentage of Proposed
Restore	7,001,100	1,944,600	27.78%
Protect in Fee with State PILT Liability	0	0	-
Protect in Fee W/O State PILT Liability	0	0	-
Protect in Easement	0	0	-
Enhance	1,585,100	1,263,400	79.70%