

# Lessard-Sams Outdoor Heritage Council Laws of Minnesota 2017 Accomplishment Plan



**Date:** October 25, 2016

**Program or Project Title:** St. Louis River Restoration Initiative - Phase IV

**Funds Recommended:** \$ 3,392,000

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**Legislative Citation:** ML 2017, Ch. X, Art. X, Sec. X

**Appropriation Language:**

**County Locations:** St. Louis

**Regions in which work will take place:**

- Northern Forest

**Activity types:**

- Restore

**Priority resources addressed by activity:**

- Habitat

## Abstract:

MNDNR's St. Louis River Restoration Initiative (SLRRI) is partnered with the Great Lakes Restoration Initiative (GLRI). The SLRRI integrates with the Great Lakes Area of Concern Program to achieve habitat outcomes to establish the estuary as a premier fishing and outdoor recreation destination. The objective is to restore more than 1,700 acres of priority habitats to accelerate achievable and sustainable increases in fish and wildlife populations. In Phase 4, MNDNR will restore approximately 162 acres of aquatic habitat in direct partnership with Minnesota Land Trust. Upon completion, more than 470 acres will have been accomplished by the initiative.

## Design and scope of work:

The MNDNR continues its collaboration with the Minnesota Land Trust (MLT), Minnesota Pollution Control Agency (MPCA), Wisconsin Department of Natural Resources (WDNR), The Army Corps of Engineers (USACE), and several other agencies to develop, construct and evaluate projects that will restore aquatic habitat in the Estuary. MNDNR has been actively involved in the assessment and planning for the restoration and recovery of the St. Louis River Estuary since the early 1980's. The MLT is an active partner with the MNDNR (and is receiving a direct appropriation from this award) and will work to advance the design of Perch Lake and the Grassy/Kingsbury Project as well as other objectives associated with the SLRRI as directed by MNDNR.

Past support by the OHF has been applied to several projects critical to restoring the fish and wildlife habitat of the Estuary, including:

- Radio Tower Bay – (Completed in 2015) Removed logging waste from a bay to restore ecological function and provide habitat for smallmouth bass, walleye and other aquatic species.

- Chambers Grove – (Completed in 2015) Removed sheet-pile and gabion baskets to restore shore line and create in-stream structures within a critical spawning area for lake sturgeon, walleye and smallmouth bass.
- Wild Rice Restoration – (In Progress) MNDNR, MLT, Wisconsin DNR and tribal partners have restored 120 acres of rice in 2015 and plan to continue the project annually for 10 years in order to restore more than 250 acres.
- Interstate Island – (Completed in 2015) Restored critical common tern habitat on one of only two nesting colonies in Lake Superior.
- Knowlton Creek Watershed Restoration – (Being completed in 2016) Restore 6,500 feet of cold water trout habitat and reduce sediment transport to the estuary.

In Phase 4 of the SLRRI, MNDNR continues the implementation of the Lower St. Louis River Habitat Plan and the St. Louis River Remedial Action Plan with the restoration of an additional 162 acres of aquatic and shoreline habitat. Restoration activities are scheduled to occur at projects in the St. Louis River Estuary including:

- Grassy Point – (Funding support critical for construction in late 2017) Removal of legacy wood waste and establishment of a sheltered bay important to gamefish and other fish and wildlife populations, with beneficial reuse material for restoration activities coming from Kingsbury Bay.
- Kingsbury Bay – (Funding support critical for construction in late 2017) Removal of deposited sediment to re-establish sheltered bay habitat important to gamefish and other fish and wildlife populations, with accompanying watershed work to add resiliency. Material beneficially reused at Grassy Point.
- Perch Lake – (Construction ready in 2018) Enhance hydraulic connectivity by reconnecting an isolated bay to the estuary and establish optimum bathymetry to support healthy fish and wildlife populations.

All restorations are within public waters of Minnesota. Construction of sheltered bay restorations in the Estuary includes removal of excessive deposits of sediment or legacy wood waste from the shoreline and river bed. Previous phases of the SLRRI have proven MNDNR's ability to accomplish restoration objectives in partnership with the MLT and the AOC.

## 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:

### Criteria #4-

The 12,000 acre St. Louis River Estuary, at the head of Lake Superior, is a unique Minnesota resource. It is the largest source of biological productivity to Lake Superior as well as the world's largest freshwater shipping port. The combination of extensive wetlands, warmer waters and the connection to Lake Superior resulted in it becoming the primary source of productivity for the western Lake Superior fishery and a critical flyway for waterfowl and other migratory birds. Nearly two-thirds of the estuary's native wetlands have been altered, eliminated or impaired as a result of historic impacts of dredging, filling and waste disposal associated with industrial activities. Although economic uses in the industrialized portion of the estuary continue, many of the historic problems associated with waste disposal have been addressed through the Clean Water Act and subsequent actions. The proposed projects represent an opportunity to balance economic activities, while restoring the negative impacts of historic uses. Additionally, restorations will directly benefit SGCN and other species by improving habitat quality and extent in strategic locations to maximize benefits to populations.

As the Outdoor Heritage Fund's 2009 25-year frame work states, "Success in conservation will depend highly on leveraging traditional and other sources of conservation funding with available OHF funds and coordinating efforts with conservation partners." The proposed project is integrated with local, state, federal, tribal and non-government partners that have worked together to advance projects and secure non-OHF funding at of approximately 50%. Minnesota's legacy funds are an integral part of the overall strategy to restore the health of this unique resource.

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

The 1980's were the turning point for the Estuary. As water quality improved, following construction of wastewater and sewage treatment plants, it became clear that the Estuary's fish and wildlife populations could recover if habitat conditions were restored. MNDNR worked with many local, state and federal resource experts and stakeholders to develop the Lower St. Louis River Habitat Plan, a comprehensive science based plan for protecting, restoring and managing fish and wildlife of the St. Louis River Estuary.

Scientists from University of Minnesota, National Oceanic and Atmospheric Administration, U.S. Environmental Protection Agency, U.S. Fish & Wildlife Service, MNDNR and MPCA continue to monitor and evaluate the estuary's fish and wildlife populations and habitat to prioritize restoration projects and model expected outcomes of restoration alternatives to assist in project design and implementation.

Specifically, the AOC partnership used a source-stressor model to identify impairments to the Estuary. The model identified conservation targets, stresses limiting those targets, and recommended actions to address the source of the stress. All project areas supported by the GLRI also require the development of a Quality Assurance Plan to measure the successful outcomes of the conservation actions.

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

- H2 Protect critical shoreland of streams and lakes
- H6 Protect and restore critical in-water habitat of lakes and streams

## Which other plans are addressed in this program:

- Lower St. Louis River Habitat Plan
- U.S. Fish and Wildlife Service Strategic Habitat Conservation Model

## 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:

- Clean Water Fund

### Describe the relationship of the funds:

Support from the Clean Water Fund has been matched with a USACE Remedial Action Planning design program to advance these three projects. Approximately \$200,000 of USACE funding support has been matched with CWL funds at a rate of 35% to complete objectives up to this time.

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

### Criteria #9-

MDNR has secured federal GLRI funds for past OHF supported projects at approximately a 50% rate. Additionally, the MNDNR is working to direct funding from other sources including the Superfund Natural Resources Damage Assessment Program to support the SLRRI. It is anticipated that MNDNR will secure from \$3 million from the GLRI through USEPA to support construction cost at the Grassy/Kingsbury Project. Additionally, MNDNR will receive \$500,000 from USACE for the design of the project. Negotiations are currently underway to verify this arrangement.

Many different agencies and organizations share the goals of SLRRI. The MNDNR has participated in projects that will have completed approximately 300 acres of aquatic and wetland habitat restoration by the end of 2016. The MNDNR completes these projects with the assistance of multiple partners. Minnesota Pollution Control (MPCA) provides management support and technical expertise. The Environmental Protection Agency (USEPA), National Oceanic and Atmospheric Administration (NOAA), Fish & Wildlife Service (USFWS), Army Corps of Engineers (USACE) and other federal agencies have provided funding, technical expertise, or in-kind services.

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

Not Listed

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

### Criteria #7-

MDNR Duluth Area Fisheries manages the Lower St. Louis River through regular monitoring, assessment and regulation. They are partnered with the WDNR, the USEPA MED Lab, and NOAA's National Estuary Research Reserve in the effort to monitor and address issues associated with the long-term maintenance of habitat restoration outcomes in the estuary.

St. Louis River habitat restoration projects are designed to be maintained by the natural processes that define these systems. Barring catastrophic events, these projects would not require future adjustment, or clean-up. Restoration of submerged aquatic vegetation beds at locations such as Grassy Point, Kingsbury Bay and Perch Lake will consider the water depth, substrate type and wave energy environment required to maintain these systems. These three project sites are either currently defined as sheltered bays, or in the case of Grassy Point, protection from wave and current energies will be designed into the restoration.

Healthy and robust native communities are resistant to invasion by exotic species. If these species successfully establish on a site they can disrupt the foodweb of the native community and result in reduced populations of target species. Restoration of native plant species will inhibit the establishment of invasives and MNDNR is partnered with the other entities described above to control them.

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

Year	Source of Funds	Step 1	Step 2	Step 3
2019 - 2021	GLRI	Monitoring of physical/biological outcomes		
2019 - 2024	Superfund NRDA and GLRI	Monitoring of physical/biological outcomes		
2020 - 2022	GLRI	Monitoring of physical/biological outcomes		

**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 (Public Waters)**

**Accomplishment Timeline:**

Activity	Approximate Date Completed
Grassy Point - Remove non-native wood waste and restore sheltered bay and stream channel	December 2019
Kingsbury Bay - Remove excess sediment deposited and restore sheltered bay	December 2019
Perch Lake - Enhance hydraulic connectivity to the estuary and establish desirable sheltered bay bathymetry	December 2020

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

**Federal Funding:**

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

Are the funds confirmed - **No**

What is the approximate date you anticipate receiving confirmation of the federal funds - **July 1, 2017**

**Outcomes:**

**Programs in the northern forest region:**

- Improved availability and improved condition of habitats that have experienced substantial decline *The construction contractor will be required to produce as-built measurements to verify that the contracted design for the projects were built as designed or modified as a result of direct in the field oversight of construction. The contract will contain a warranty period during which the contractor will be responsible for meeting the conditions of the contract.*

*Once the project is satisfactorily constructed, the MNDNR will work in partnership with the USEPA and other AOC partners to conduct biological sampling intended to monitor the outcome of all AOC projects. Some of these projects are not funded by the OHF.*

# 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

Funding support allocated here has been prioritized for application to the design/construction of the Grassy/Kingsbury Project. Some funding will be applied to oversee the design and general advancement of the Perch Lake Project. Funding for construction of Perch Lake will be included in the next funding cycle.

**Total Amount of Request: \$ 3392000**

### Budget and Cash Leverage

BudgetName	LSOHC Request	Anticipated Leverage	Leverage Source	Total
Personnel	\$390,000	\$0		\$390,000
Contracts	\$2,897,100	\$1,500,000	USEPA-GLRI	\$4,397,100
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	\$7,000	\$0		\$7,000
Professional Services	\$23,000	\$0		\$23,000
Direct Support Services	\$56,900	\$0		\$56,900
DNR Land Acquisition Costs	\$0	\$0		\$0
Capital Equipment	\$0	\$0		\$0
Other Equipment/Tools	\$8,000	\$0		\$8,000
Supplies/Materials	\$10,000	\$0		\$10,000
DNR IDP	\$0	\$0		\$0
Total	\$3,392,000	\$1,500,000		\$4,892,000

### Personnel

Position	FTE	Over # of years	LSOHC Request	Anticipated Leverage	Leverage Source	Total
	1.00	2.00	\$200,000	\$0		\$200,000
FAW AOC Coordinator	0.50	1.00	\$76,000	\$0		\$76,000
FAW Office & Administrative Specialist	0.75	1.00	\$67,000	\$0		\$67,000
EWR Habitat Coordinator	0.50	1.00	\$47,000	\$0		\$47,000
Total	2.75	5.00	\$390,000	\$0		\$390,000

### Budget and Cash Leverage by Partnership

BudgetName	Partnership	LSOHC Request	Anticipated Leverage	Leverage Source	Total
Personnel	MN Land Trust	\$200,000	\$0		\$200,000
Contracts	MN Land Trust	\$20,000	\$0		\$20,000
Fee Acquisition w/ PILT	MN Land Trust	\$0	\$0		\$0
Fee Acquisition w/o PILT	MN Land Trust	\$0	\$0		\$0
Easement Acquisition	MN Land Trust	\$0	\$0		\$0
Easement Stewardship	MN Land Trust	\$0	\$0		\$0
Travel	MN Land Trust	\$2,000	\$0		\$2,000
Professional Services	MN Land Trust	\$0	\$0		\$0
Direct Support Services	MN Land Trust	\$0	\$0		\$0
DNR Land Acquisition Costs	MN Land Trust	\$0	\$0		\$0
Capital Equipment	MN Land Trust	\$0	\$0		\$0
Other Equipment/Tools	MN Land Trust	\$2,000	\$0		\$2,000
Supplies/Materials	MN Land Trust	\$2,000	\$0		\$2,000
DNR IDP	MN Land Trust	\$0	\$0		\$0
Total		\$226,000	\$0		\$226,000

**Personnel - MN Land Trust**

Position	FTE	Over # of years	LSOHC Request	Anticipated Leverage	Leverage Source	Total
	1.00	2.00	\$200,000	\$0		\$200,000
Total	1.00	2.00	\$200,000	\$0		\$200,000

Budget Name	Partnership	LSOHC Request	Anticipated Leverage	Leverage Source	Total
Personnel	MNDNR	\$190,000	\$0		\$190,000
Contracts	MNDNR	\$2,877,100	\$1,500,000	USEPA-G LRI	\$4,377,100
Fee Acquisition w/ PILT	MNDNR	\$0	\$0		\$0
Fee Acquisition w/o PILT	MNDNR	\$0	\$0		\$0
Easement Acquisition	MNDNR	\$0	\$0		\$0
Easement Stewardship	MNDNR	\$0	\$0		\$0
Travel	MNDNR	\$5,000	\$0		\$5,000
Professional Services	MNDNR	\$23,000	\$0		\$23,000
Direct Support Services	MNDNR	\$56,900	\$0		\$56,900
DNR Land Acquisition Costs	MNDNR	\$0	\$0		\$0
Capital Equipment	MNDNR	\$0	\$0		\$0
Other Equipment/Tools	MNDNR	\$6,000	\$0		\$6,000
Supplies/Materials	MNDNR	\$8,000	\$0		\$8,000
DNR IDP	MNDNR	\$0	\$0		\$0
Total		\$3,166,000	\$1,500,000		\$4,666,000

**Personnel - MNDNR**

Position	FTE	Over # of years	LSOHC Request	Anticipated Leverage	Leverage Source	Total
FAW AOC Coordinator	0.50	1.00	\$76,000	\$0		\$76,000
FAW Office & Administrative Specialist	0.75	1.00	\$67,000	\$0		\$67,000
EWR Habitat Coordinator	0.50	1.00	\$47,000	\$0		\$47,000
Total	1.75	3.00	\$190,000	\$0		\$190,000

Amount of Request: \$3,392,000

Amount of Leverage: \$1,500,000

Leverage as a percent of the Request: 44.22%

DSS + Personnel: \$446,900

As a % of the total request: 13.18%

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

DNR's Office of Management & Budget services provided a Direct and Necessary calculator to determine shared support services.

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

Yes, all funds in the contract line are for R/E work.

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

Not Listed

## Output Tables

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

Type	Wetlands	Prairies	Forest	Habitats	Total
Restore	0	0	0	162	162
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	0	0
Total	0	0	0	162	162

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

Type	Wetlands	Prairies	Forest	Habitats	Total
Restore	\$0	\$0	\$0	\$3,392,000	\$3,392,000
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	\$0	\$0
Total	\$0	\$0	\$0	\$3,392,000	\$3,392,000

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

Type	Metro Urban	ForestPrairie	SE Forest	Prairie	N Forest	Total
Restore	0	0	0	0	162	162
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	0	0	0	0	0	0
Total	0	0	0	0	162	162

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

Type	Metro Urban	ForestPrairie	SE Forest	Prairie	N Forest	Total
Restore	\$0	\$0	\$0	\$0	\$3,392,000	\$3,392,000
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	\$0	\$0
Protect in Easement	\$0	\$0	\$0	\$0	\$0	\$0
Enhance	\$0	\$0	\$0	\$0	\$0	\$0
Total	\$0	\$0	\$0	\$0	\$3,392,000	\$3,392,000

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

Type	Wetlands	Prairies	Forest	Habitats
Restore	\$0	\$0	\$0	\$20938
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	\$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	\$20938
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	\$0	\$0

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

0



# 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

St. Louis

Name	TRDS	Acres	Est Cost	Existing Protection?
Grassy Point	04914217	115	\$1,438,600	Yes
Kingsbury Bay	04914218	44	\$1,438,500	Yes
Perch Lake	04815209	3	\$226,000	Yes

## Section 2 - Protect Parcel List

No parcels with an activity type protect.

### Section 2a - Protect Parcel with Bldgs

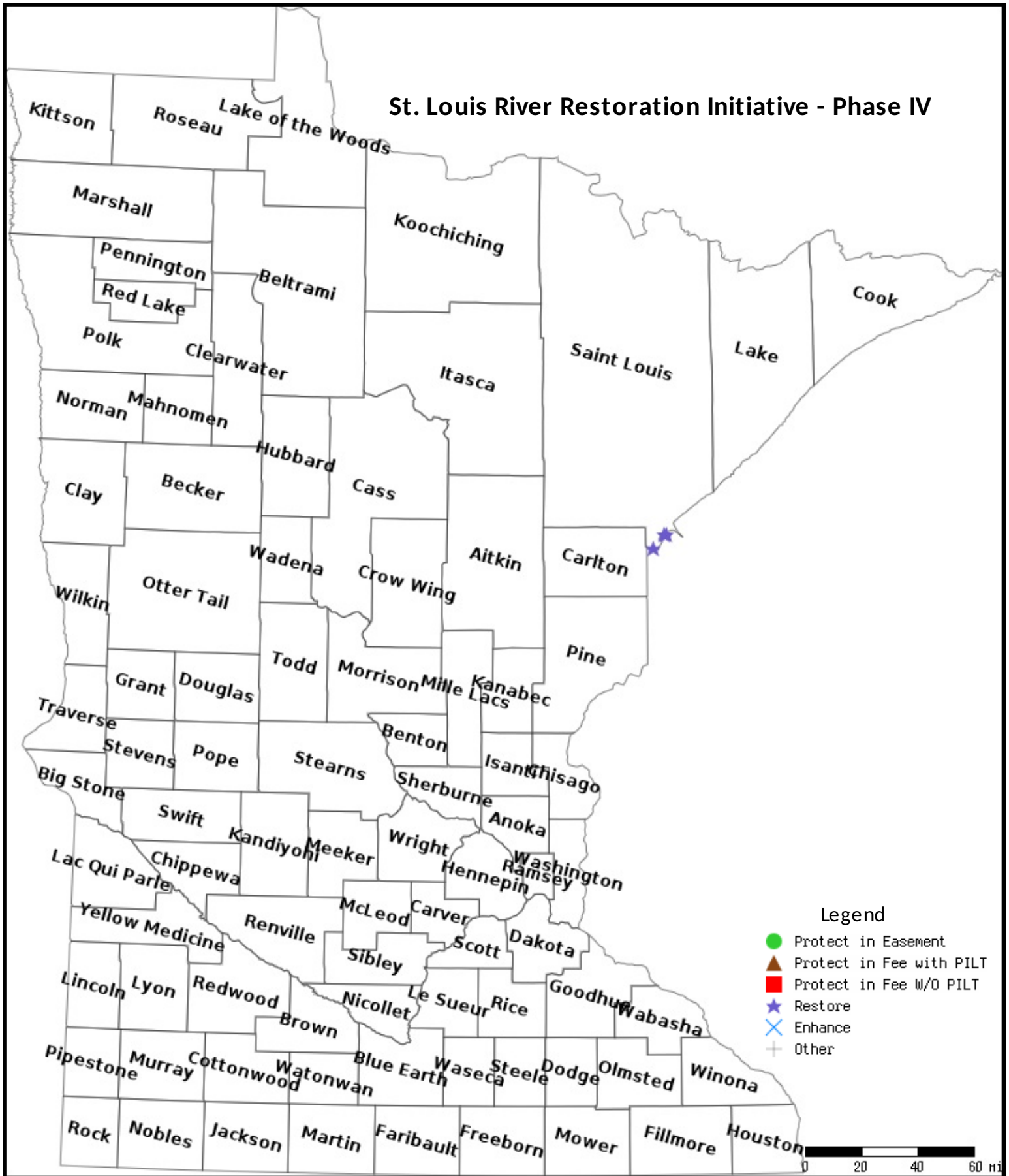
No parcels with an activity type protect and has buildings.

## Section 3 - Other Parcel Activity

No parcels with an other activity type.

# Parcel Map

## St. Louis River Restoration Initiative - Phase IV



Data Generated From Parcel List

# Lessard-Sams Outdoor Heritage Council Comparison Report

**Program Title:** 2017 - St. Louis River Restoration Initiative - Phase IV  
**Organization:** MN DNR  
**Manager:** John Lindgren

## Budget

Requested Amount: \$6,305,000  
 Appropriated Amount: \$3,392,000  
 Percentage: 53.80%

Budget Item	Total Requested		Total Appropriated		Percentage of Request	
	LSOHC Request	Anticipated Leverage	Appropriated Amount	Anticipated Leverage	Percentage of Request	Percentage of Leverage
Personnel	\$190,000	\$0	\$390,000	\$0	205.26%	-
Contracts	\$6,000,000	\$3,500,000	\$2,897,100	\$1,500,000	48.29%	42.86%
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	\$5,000	\$0	\$7,000	\$0	140.00%	-
Professional Services	\$25,000	\$0	\$23,000	\$0	92.00%	-
Direct Support Services	\$75,000	\$0	\$56,900	\$0	75.87%	-
DNR Land Acquisition Costs	\$0	\$0	\$0	\$0	-	-
Capital Equipment	\$0	\$0	\$0	\$0	-	-
Other Equipment/Tools	\$2,000	\$0	\$8,000	\$0	400.00%	-
Supplies/Materials	\$8,000	\$0	\$10,000	\$0	125.00%	-
DNR IDP	\$0	\$0	\$0	\$0	-	-
<b>Total</b>	<b>\$6,305,000</b>	<b>\$3,500,000</b>	<b>\$3,392,000</b>	<b>\$1,500,000</b>	<b>53.80%</b>	<b>42.86%</b>

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

Funding support allocated here has been prioritized for application to the design/construction of the Grassy/Kingsbury Project. Some funding will be applied to oversee the design and general advancement of the Perch Lake Project. Funding for construction of Perch Lake will be included in the next funding cycle.

# Output

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

Type	Total Proposed	Total in AP	Percentage of Proposed
Restore	172	162	94.19%
Protect in Fee with State PILT Liability	0	0	-
Protect in Fee W/O State PILT Liability	0	0	-
Protect in Easement	0	0	-
Enhance	0	0	-

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

Type	Total Proposed	Total in AP	Percentage of Proposed
Restore	6,305,000	3,392,000	53.80%
Protect in Fee with State PILT Liability	0	0	-
Protect in Fee W/O State PILT Liability	0	0	-
Protect in Easement	0	0	-
Enhance	0	0	-

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

Type	Total Proposed	Total in AP	Percentage of Proposed
Restore	172	162	94.19%
Protect in Fee with State PILT Liability	0	0	-
Protect in Fee W/O State PILT Liability	0	0	-
Protect in Easement	0	0	-
Enhance	0	0	-

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

Type	Total Proposed	Total in AP	Percentage of Proposed
Restore	6,305,000	3,392,000	53.80%
Protect in Fee with State PILT Liability	0	0	-
Protect in Fee W/O State PILT Liability	0	0	-
Protect in Easement	0	0	-
Enhance	0	0	-