



Lessard-Sams Outdoor Heritage Council

Buffalo-Red River Watershed District Stream Habitat Program – Phase 3 Laws of Minnesota 2023 Accomplishment Plan

General Information

Date: 10/09/2024

Project Title: Buffalo-Red River Watershed District Stream Habitat Program – Phase 3

Funds Recommended: \$3,748,000

Legislative Citation: ML 2023, Ch. 40, Art. 1, Sec. 2, subd. 5(d)

Appropriation Language: \$3,748,000 the first year is to acquire permanent conservation easements and restore and enhance aquatic and upland habitat associated with the Red River and Buffalo River watersheds. Of this amount, \$2,250,000 is to the commissioner of natural resources for an agreement with the Buffalo-Red River Watershed District and \$1,498,000 is to the Board of Water and Soil Resources. \$102,000 of the amount to the Board of Water and Soil Resources is for establishing a monitoring and enforcement fund as approved in the accomplishment plan and subject to Minnesota Statutes, section 97A.056, subdivision 17. A list of proposed acquisitions and restorations must be included as part of the required accomplishment plan.

Manager Information

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Title: Administrator

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Location Information

County Location(s): Wilkin, Becker and Clay.

Eco regions in which work will take place:

- Prairie

Activity types:

- Restore
- Protect in Easement

Priority resources addressed by activity:

- Prairie
- Habitat

Narrative**Abstract**

A century of channel straightening has significantly reduced the stream habitat quality within the BRRWD. The BRRWD has identified, with preliminary designs completed, a number of straightened streams. In several multi-phase projects, the BRRWD in partnership with landowners, federal, state, and local agencies, will restore 3 miles of targeted stream and their respective riparian habitat corridors. Targeted restorations of straightened streams include the South Branch of the Buffalo River, Upper Buffalo River, Stony Creek, Whisky Creek, and Whiskey's Creek southern tributary. Easement acquisition of conservation lands will be required in corresponding target project corridors.

Design and Scope of Work

Throughout the last century, channel straightening efforts and poor field practices have significantly reduced the habitat quality within BRRWD. Channel straightening efforts have eliminated hundreds of acres of quality stream habitat. Straightened channels create homogenous habitats that no longer have the shallow riffles and deeper pools that are required by fish at various stages in their life cycle. Straightened reaches also tend to lose access to their floodplains which increases erosion in the channel and causes downstream flooding. In addition, aggradation of the downstream channel, due to increased sediment loading, reduces habitat quality and makes flooding worse. Over the last several years, BRRWD, with input and in partnership with landowners, federal, state, and local agencies, designed comprehensive subwatershed restoration plans and intends to implement these plans over the next several years. A component of these plans includes the restoration of numerous reaches of straightened and abandoned creek and river channels throughout the Watershed District. Prioritization of projects is largely based on ecological benefits, being shovel-ready and having landowner and other stakeholder support. In these multi-phase projects, the BRRWD anticipates to restore 4 miles of the South Branch Buffalo River within 225-acres of riparian habitat corridor. An estimated 448 acres of conservation easement acquisition is included for this phase of restoration and future restorations. Depending on other outside funding, the funding through this appropriation may be used on other targeted reaches. Acquiring land often creates time constraints and delays project progress. To ensure timely progress on future project phases, 223 acres of easement acquisition for future phases are considered in this proposal. River restorations using natural channel design principles have been designed with input from the MN DNR River Ecology Unit as well as the MN BWSR. A sinuous riffle-pool natural channel design is proposed to recreate the aquatic habitat diversity that was lost in the straightened channel. Naturally stable restored channels will not only recreate lost habitat but will reduce the current erosion that is overloading downstream reaches of the South Branch Buffalo River. The easement acquisition part of this project is proposed to be completed using the Reinvest in Minnesota project implemented by MN BWSR. As part of their comprehensive subwatershed planning process, BRRWD has completed planning and design on four additional stream reaches which are included as part of this application package. These include the restoration of Stony Creek (5.1 miles), Whiskey Creek (1.2 miles), Whisky Creek (14.5 miles) and its south tributary (1.18 miles), and the Upper Buffalo River (16 miles) and their associated riparian corridors. Additional stream restoration enhancement

along Stony Creek, Whisky Creek, Whiskey Creek, and the Upper Buffalo River will be completed as funding permits when and if additional sources of match funding become available. Combined, these comprehensive projects have the potential to restore and enhance more than 40 miles of natural prairie stream. Ultimately, over 1,750 acres of stream, river, floodplain, wetland, and grassland habitat along these restoration reaches will be protected and restored.

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

The stream restoration program (Phase 3) will restore a total of 4 miles of stream and riparian habitat for associated fish and wildlife communities and are a part of the long-term effort within the BRRWD. These projects will also benefit mussel and insect populations along and downstream of the South Branch Buffalo River by improving water quality. Pollinator seed mixes will be used along the habitat corridors. These projects will provide enhanced wildlife corridors. The South Branch downstream of the restoration reach will benefit from a reduced sediment loading to the river resulting from the project. Acquisition and restoration of the stream channel corridor will also improve habitat for Channel Catfish, Northern Pike, and another 70+ fish species present in Red River Basin. Some species of fish will also benefit from the project as a result of a larger quantity of better quality spawning habitat. Less than one mile away, Lawndale Creek is a designated trout stream. DNR studies show that throughout the year, the trout migrate to the South Branch. Restoration of the nearby channel will increase fish usage of this perennial stream. Greater Prairie Chicken is one upland species that will also benefit from the permanent protection of upland areas.

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

The BRRWD uses a science-based planning model for the selection of stream projects. The targeted projects involve straightened reaches that have lost much of their habitat diversity. Reference stream reaches set the geometry for all of the proposed stream restoration based on survey work completed by the MN Department of Natural Resources (DNR). Geometry used is characteristic of Rosgen E-channels in low gradient streams. The South Branch project is located in the vicinity of the Rothsay WMA (4 miles east), Manston WMA (2 miles southwest), Atherton WMA (1 mile northeast), soon to be established Rogelstad WMA (1 mile east) and a designated trout stream (Lawndale Creek). In addition, RIM easements, an SNA, and a number of WRP projects in the South Branch project area connect the project in a continuous habitat corridor directly to the Rothsay WMA. The South Branch project would be adjacent to the Rothsay Prairie which is identified in the MN Prairie Conservation Plan as a core area. The Upper Buffalo project is located in the vicinity of the Ogema WMA (1 mile east), Riparia WMA (adjacent to project), Pednor WMA (2 miles northwest), Matter WPA, Donley/Tillman WPA, Buchl WPA, and Hamden Slough NWR. The Upper Buffalo project is in the Waubun Prairie which is identified in the MN Prairie Conservation Plan as a core area. The Minnesota Prairie Plan also lists restoration of channelized prairie river segments and cultivation of lands immediately adjacent to streams and ditches as "critical challenges". In addition, the BRRWD has completed GIS-based terrain analysis to identify, prioritize, and target conservation best management practices in the contributing agricultural watershed. Many of these best management practices have been implemented, with more planned.

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

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

Which two other plans are addressed in this program?

- National Fish Habitat Action Plan
- Red River of the North Fisheries Management Plan

Which LSOHC section priorities are addressed in this program?

Prairie

- Restore or enhance habitat on public lands

Outcomes

Programs in prairie region:

- Protected, restored, and enhanced habitat for migratory and unique Minnesota species ~ *Project outcomes are measured by the total acres of acquired and restored riparian habitat, in addition to the total stream miles restored.*

Does this program include leveraged funding?

Yes

Explain the leverage:

The BRRWD has existing Clean Water Fund Grants through with the MN BWSR and will work with and encourage landowners to utilize programs (CREP, RIM) to implement the project to the extent possible. These programs require landowners to apply and it is expected that landowners will participate. Local tax levy funds will also be used as leverage funds. The BRRWD also expects to receive funding from the NRCS through their National Water Quality Initiative (NWQI) program.

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

The funding provided by the Outdoor Heritage Fund does not supplant or substitute for any previous funding.

Non-OHF Appropriations

Year	Source	Amount
2022	Clean Water Fund	\$350,000
2022	National Water Quality Initiative (NRCS)	\$45,500
2021	DNR Flood Hazard Mitigation Program	\$320,000
2021	Watershed Based Implementation Funding	\$400,000
2021	Clean Water Fund	\$320,000
2021	USFWS – Great Plains Fish Habitat Partnership	\$50,000
2021	Clean Water Fund	\$300,000
2020-2023	National Water Quality Initiative (NRCS)	\$39,000
2020-2023	Conservation Reserve Enhancement Project	\$1,500,000
2020-2023	National Water Quality Initiative (NRCS)	\$2,900,000
2016	MN BWSR - RIM	-
2013-2021	Local Tax Levy	\$400,000
2013	Clean Water Fund	\$336,000
2010	MN BWSR - RIM	-

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

In accordance with Minnesota Watershed Law and the Red River Basin Flood Damage Reduction Work Group Mediation agreement, projects implemented under this grant will be monitored to ensure they are working as intended. It is expected that there will be some maintenance in the first few years to ensure native vegetation is established. The stream restoration projects are designed following natural channel design principles and are expected to be largely self-sustaining. Significant long-term maintenance costs are not expected; however, the BRRWD will set up a local tax levy that will provide long-term maintenance funding for the project. The locally raised levy will provide an annual revenue stream for maintenance. Post-project monitoring will be conducted by the BRRWD, the Riverwatch Program, and the International Water Institute, as project partners. Additionally, once RIM easement is acquired, BWSR is responsible for monitoring and enforcement into perpetuity. The BWSR partners with local SWCDs to carry-out oversight, monitoring, and inspection of its conservation easements. On-site inspections are conducted every three years and compliance checks are performed every two years. SWCDs report to BWSR on each site inspection. Perpetual monitoring and enforcement cost have been calculated at \$10,000 per easement based on local SWCD rates.

Actions to Maintain Project Outcomes

Year	Source of Funds	Step 1	Step 2	Step 3
2021 - Ongoing	Landowner Responsibility	Maintain compliance with easement terms	-	-
2021 - Ongoing	Stewardship Account	Inspection every year for first 5-years; then every 3rd year	Corrective actions on any violations	Enforcement action taken by MN Attorney General Office

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

The Upper Buffalo project is located within the White Earth Indian Reservation. The 150 acres of restored floodplain, wetland, and grassland habitat area, in addition to the 7 miles of restored channel, will have a direct positive impact on the Indigenous community throughout the White Earth Indian Reservation.

Activity Details

Requirements

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

Yes

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

Yes

Who will manage the easement?

The Buffalo-Red River Watershed District will manage the easement in cooperation with BWSR.

Who will be the easement holder?

The State of Minnesota will be the holder of the RIM easement acquired with OHF funding.

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

18-23 easements are expected

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

Yes

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

Yes

Where does the activity take place?

- Permanently Protected Conservation Easements
- Public Waters

Land Use

Will there be planting of any crop on OHF land purchased or restored in this program, either by the proposer or the end owner of the property, outside of the initial restoration of the land?

No

Will the eased land be open for public use?

No

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

Yes

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

Roads or trails are typically excluded from the easement area if they serve no beneficial purpose to easement maintenance, monitoring, or enforcement. Existing trails and roads are identified during the easement acquisition process. Some roads and trails, such as agricultural field accesses, are allowed to remain.

Will the trails or roads remain and uses continue to be allowed after OHF acquisition?

Yes

How will maintenance and monitoring be accomplished?

The easements secured under this project will be managed as part of the MN Board of Water and Soil Resources (BWSR) RIM Reserve Program. Easements are monitored annually for each of the first 5 years and then every 3rd year after that. BWSR, in cooperation with Soil and Water Conservation Districts (SWCD), implement a stewardship process to track, monitor quality and assure compliance with easement terms. Under the terms of the Reinvest In Minnesota (RIM) Easement Program, landowners are required to maintain compliance with the easement. A conservation plan is developed with the landowner and maintained as part of each easement. Basic easement compliance costs are borne by the landowner, periodic enhancements may be cost shared from a variety of sources.

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

Yes

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

Roads or trails are typically excluded from the easement area if they serve no beneficial purpose to easement maintenance, monitoring, or enforcement. Existing trails and roads are identified during the easement acquisition process. Some roads and trails, such as agricultural field accesses, are allowed to remain.

How will maintenance and monitoring be accomplished?

The easements secured under this project will be managed as part of the MN Board of Water and Soil Resources (BWSR) RIM Reserve Program that has over 7,196 easements currently in place. Easements are monitored annually for each of the first 5 years and then every 3rd year after that. BWSR, in cooperation with Soil and Water Conservation Districts (SWCD), implement a stewardship process to track, monitor quality and assure compliance with easement terms. Under the terms of the Reinvest In Minnesota (RIM) Easement Program, landowners are required to maintain compliance with the easement. A conservation plan is developed with the landowner and maintained as part of each easement. Basic easement compliance costs are borne by the landowner, periodic enhancements may be cost shared from a variety of sources.

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

Yes

The project will involve restoring the stream channel using natural channel design principles. The uplands within the easement will be planted to prairie.

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

Yes

Timeline

Activity Name	Estimated Completion Date
Complete construction and restoration	June 2028
Complete land acquisition	August 2025
Begin construction	May 2024
Finalize construction plans for restoration reach	December 2023
Contact landowners along stream restoration as part of the acquisition process	Ongoing through August 2023
Establish local funding source (pre-grant)	June 2023

Date of Final Report Submission: 11/01/2028

Availability of Appropriation: Subd. 7. Availability of Appropriation

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

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

- (1) money appropriated for acquiring real property is available until June 30, 2027;
- (2) money appropriated for restoring and enhancing land acquired with an appropriation in this act is available for four years after the acquisition date with a maximum end date of June 30, 2031;
- (3) money appropriated for restoring or enhancing other land is available until June 30, 2028;
- (4) notwithstanding clauses (1) to (3), money appropriated for a project that receives at least 15 percent of its funding from federal funds is available until a date sufficient to match the availability of federal funding to a maximum of six years if the federal funding was confirmed and included in the original approved draft accomplishment plan; and
- (5) money appropriated for other projects is available until the end of the fiscal year in which it is appropriated.

Budget

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

Grand Totals Across All Partnerships

Item	Funding Request	Leverage	Leverage Source	Total
Personnel	\$148,300	-	-	\$148,300
Contracts	\$1,730,900	\$4,055,000	Clean Water Fund, NWQI, USFWS	\$5,785,900
Fee Acquisition w/ PILT	-	-	-	-
Fee Acquisition w/o PILT	-	-	-	-
Easement Acquisition	\$1,177,300	-	-	\$1,177,300
Easement Stewardship	\$102,000	\$640,000	-, CREP, Other RIM, Local Tax Levy, DNR FHMGP	\$742,000
Travel	\$3,400	-	-	\$3,400
Professional Services	\$560,000	\$400,000	-, Local Tax Levy, Clean Water Fund	\$960,000
Direct Support Services	\$18,800	-	-	\$18,800
DNR Land Acquisition Costs	-	-	-	-
Capital Equipment	-	-	-	-
Other Equipment/Tools	\$4,800	-	-	\$4,800
Supplies/Materials	\$2,500	-	-	\$2,500
DNR IDP	-	-	-	-
Grand Total	\$3,748,000	\$5,095,000	-	\$8,843,000

Partner: Buffalo-Red River Watershed District**Totals**

Item	Funding Request	Leverage	Leverage Source	Total
Personnel	-	-	-	-
Contracts	\$1,688,900	\$4,055,000	Clean Water Fund, NWQI, USFWS	\$5,743,900
Fee Acquisition w/ PILT	-	-	-	-
Fee Acquisition w/o PILT	-	-	-	-
Easement Acquisition	-	-	-	-
Easement Stewardship	-	\$640,000	CREP, Other RIM, Local Tax Levy, DNR FHMGP	\$640,000
Travel	-	-	-	-
Professional Services	\$560,000	\$400,000	Local Tax Levy, Clean Water Fund	\$960,000
Direct Support Services	-	-	-	-
DNR Land Acquisition Costs	-	-	-	-
Capital Equipment	-	-	-	-
Other Equipment/Tools	-	-	-	-
Supplies/Materials	\$1,000	-	-	\$1,000
DNR IDP	-	-	-	-
Grand Total	\$2,249,900	\$5,095,000	-	\$7,344,900

Partner: BWSR**Totals**

Item	Funding Request	Leverage	Leverage Source	Total
Personnel	\$148,300	-	-	\$148,300
Contracts	\$42,000	-	-	\$42,000
Fee Acquisition w/ PILT	-	-	-	-
Fee Acquisition w/o PILT	-	-	-	-
Easement Acquisition	\$1,177,300	-	-	\$1,177,300
Easement Stewardship	\$102,000	-	-	\$102,000
Travel	\$3,400	-	-	\$3,400
Professional Services	-	-	-	-
Direct Support Services	\$18,800	-	-	\$18,800
DNR Land Acquisition Costs	-	-	-	-
Capital Equipment	-	-	-	-
Other Equipment/Tools	\$4,800	-	-	\$4,800
Supplies/Materials	\$1,500	-	-	\$1,500
DNR IDP	-	-	-	-
Grand Total	\$1,498,100	-	-	\$1,498,100

Personnel

Position	Annual FTE	Years Working	Funding Request	Leverage	Leverage Source	Total
Easement processing	0.27	5.0	\$148,300	-	-	\$148,300

Amount of Request: \$3,748,000**Amount of Leverage:** \$5,095,000**Leverage as a percent of the Request:** 135.94%**DSS + Personnel:** \$167,100**As a % of the total request:** 4.46%**Easement Stewardship:** \$102,000**As a % of the Easement Acquisition:** 8.66%**How will this program accommodate the reduced appropriation recommendation from the original proposed requested amount?**

An estimated 373 acres will be enrolled in RIM easements through this recommended funding versus the 1084 acres contemplated in the original proposed requested amount. Approximately 4 miles of stream instead of the 9.3 miles of stream restoration originally proposed will be completed.

Describe and explain leverage source and confirmation of funds:

Funding available now: \$320,000 DNR FHMGP, \$320,000 in local funds, and approximately \$500,000 in Clean Water Funds (These Funds may be largely spent before the OHF is available). NWQI, USFWS will be confirmed in late 2023. CREP and Other RIM subject to future program funding availability.

Does this project have the ability to be scalable?

Yes

If the project received 50% of the requested funding

Describe how the scaling would affect acres/activities and if not proportionately reduced, why?

Reduced funding will limit the length of stream restoration and acres of conservation easement work. Restoration reaches would be shortened by more than 30%. As funding allows, additional stream restoration work will occur upstream or downstream. The BRRWD will continue to look for additional funding to stretch what LSOHC provides.

Describe how personnel and DSS expenses would be adjusted and if not proportionately reduced, why?

Reduced funding will limit the number of completed easements. The number of easements would be reduced by approximately 30%. As funding allows, additional easements would be completed. The BRRWD will continue to look for additional funding to stretch what LSOHC provides.

Personnel

Has funding for these positions been requested in the past?

No

Contracts

What is included in the contracts line?

Construction and site restoration contract associated with the Restoration of the 3 miles of stream/river channel and surrounding eased uplands. The contracts line will also be used for payments to SWCD staff for easement implementation

Easement Stewardship

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

An estimated 21 easements will be acquired. As of July 1, 2024, perpetual monitoring and enforcement costs have been calculated at \$10,000 per easement. This value is based on using local SWCD staff for monitoring and existing enforcement authorities. The amount listed for Easement Stewardship includes costs of SWCD regular monitoring, BWSR oversight and any enforcement necessary.

Travel

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

No

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

The travel line will only be used for traditional costs with the addition of vehicle lease costs that are directly attributable to work completed with this appropriation. It is estimated that lease costs may amount to approximately 40% of travel costs for this appropriation.

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

Yes

Direct Support Services

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

BWSR calculates direct support services costs that are directly related to and necessary for each request based on the type of work being done.

Other Equipment/Tools

Give examples of the types of Equipment and Tools that will be purchased?

Signs, posts, and field equipment.

Federal Funds

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?

12/31/2023

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

Type	Wetland	Prairie	Forest	Habitat	Total Acres
Restore	-	203	-	22	225
Protect in Fee with State PILT Liability	-	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-	-
Protect in Easement	-	200	-	23	223
Enhance	-	-	-	-	-
Total	-	403	-	45	448

Total Requested Funding by Resource Type (Table 2)

Type	Wetland	Prairie	Forest	Habitat	Total Funding
Restore	-	\$794,100	-	\$1,846,700	\$2,640,800
Protect in Fee with State PILT Liability	-	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-	-
Protect in Easement	-	\$996,500	-	\$110,700	\$1,107,200
Enhance	-	-	-	-	-
Total	-	\$1,790,600	-	\$1,957,400	\$3,748,000

Acres within each Ecological Section (Table 3)

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	N. Forest	Total Acres
Restore	-	-	-	225	-	225
Protect in Fee with State PILT Liability	-	-	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-	-	-
Protect in Easement	-	-	-	223	-	223
Enhance	-	-	-	-	-	-
Total	-	-	-	448	-	448

Total Requested Funding within each Ecological Section (Table 4)

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	N. Forest	Total Funding
Restore	-	-	-	\$2,640,800	-	\$2,640,800
Protect in Fee with State PILT Liability	-	-	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-	-	-
Protect in Easement	-	-	-	\$1,107,200	-	\$1,107,200
Enhance	-	-	-	-	-	-
Total	-	-	-	\$3,748,000	-	\$3,748,000

Average Cost per Acre by Resource Type (Table 5)

Type	Wetland	Prairie	Forest	Habitat
Restore	-	\$3,911	-	\$83,940
Protect in Fee with State PILT Liability	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-
Protect in Easement	-	\$4,982	-	\$4,813
Enhance	-	-	-	-

Average Cost per Acre by Ecological Section (Table 6)

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	N. Forest
Restore	-	-	-	\$11,736	-
Protect in Fee with State PILT Liability	-	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-	-
Protect in Easement	-	-	-	\$4,965	-
Enhance	-	-	-	-	-

Target Lake/Stream/River Feet or Miles

4 Miles

Parcels

Parcel Information

Sign-up Criteria?

No

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

While numerous reaches in the BRRWD are identified, the South Branch Buffalo River is being prioritized for implementation. The project is nearly shovel ready and will be by the time LSOHC funding is available. Significant benefits to habitat, water quality, and flood damage reduction are expected by these projects.

Restore / Enhance Parcels

Name	County	TRDS	Acres	Est Cost	Existing Protection	Description
12.005.0200	Wilkin	13546205	13	\$199,300	Yes	-
12.006.0100	Wilkin	13546206	44	\$641,900	Yes	-
12.006.0110	Wilkin	13546206	1	\$21,100	Yes	-
12.005.0300	Wilkin	13546205	23	\$334,700	Yes	-
03.031.0500	Wilkin	13646231	11	\$110,200	Yes	-
03.031.0100	Wilkin	13646231	33	\$342,800	Yes	-
03.031.0200	Wilkin	13646231	8	\$80,200	Yes	-
03.031.0300	Wilkin	13646231	1	\$7,600	Yes	-
03.031.0400	Wilkin	13646231	17	\$169,100	Yes	-
12.005.0600	Wilkin	13546205	50	\$489,200	Yes	-
12.004.0400	Wilkin	13546204	25	\$244,600	Yes	-

Easement Parcels

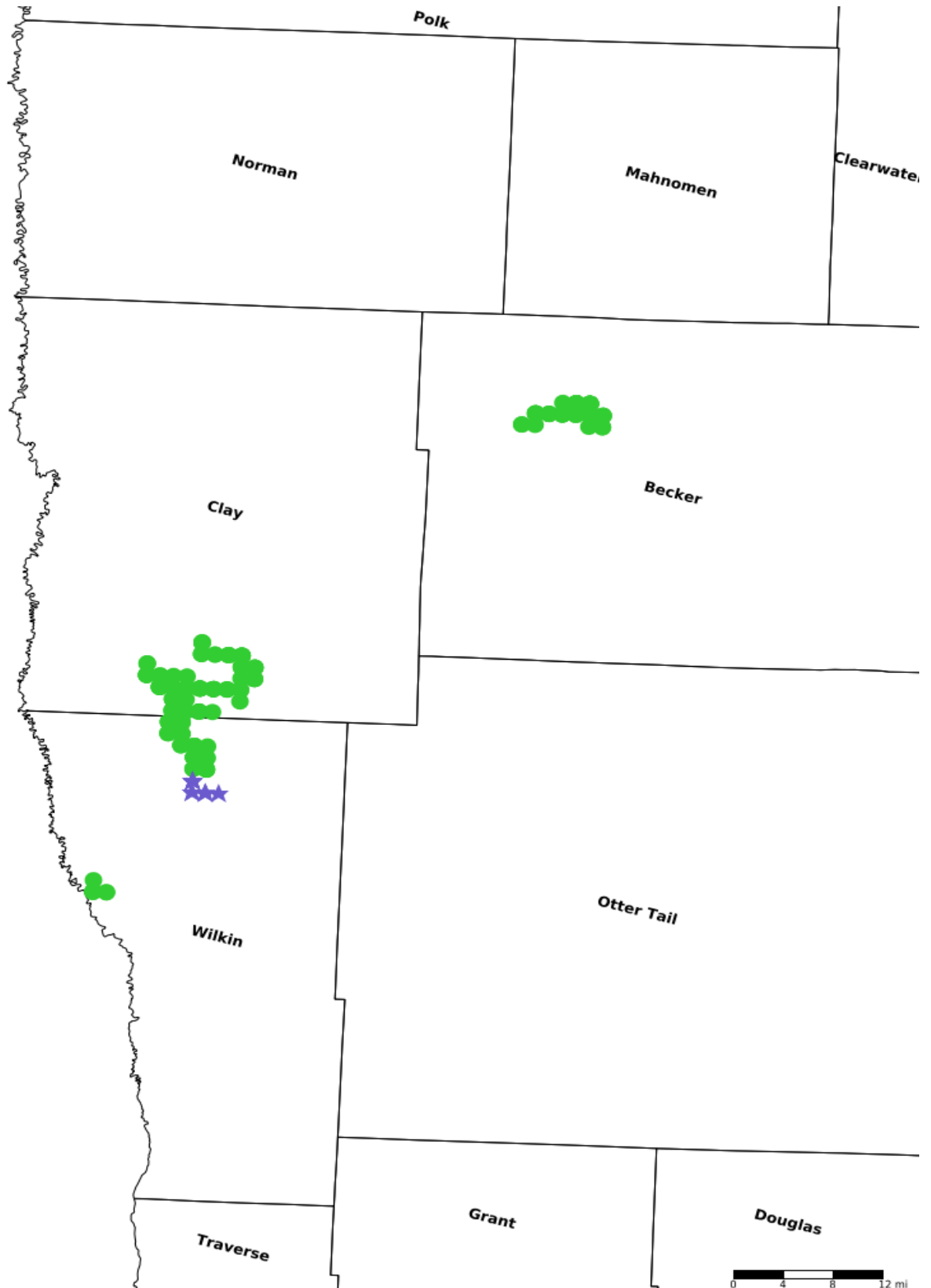
Name	County	TRDS	Acres	Est Cost	Existing Protection
23.7020.000	Becker	14142214	0	\$0	No
23.7018.001	Becker	14142214	0	\$0	No
23.7018.000	Becker	14142214	20	\$0	No
23.7017.000	Becker	14142214	17	\$0	No
23.7015.000	Becker	14142213	10	\$0	No
04.0035.000	Becker	14141207	4	\$0	No
04.0031.000	Becker	14141207	5	\$0	No
04.0034.000	Becker	14141207	22	\$0	No
04.0036.000	Becker	14141207	3	\$0	No
04.0038.000	Becker	14141207	37	\$0	No
23.0048.000	Becker	14142211	24	\$0	No
23.0052.000	Becker	14142212	37	\$0	No
23.0053.000	Becker	14142212	3	\$0	No
23.0054.000	Becker	14142212	2	\$0	No
23.0054.001	Becker	14142212	1	\$0	No
23.0055.000	Becker	14142212	15	\$0	No
23.0055.001	Becker	14142212	5	\$0	No
23.0056.000	Becker	14142212	26	\$0	No
23.0056.001	Becker	14142212	33	\$0	No
23.0060.000	Becker	14142213	12	\$0	No
23.7018.001	Becker	14142214	0	\$0	No
04.0033.000	Becker	14141207	10	\$0	No
04.0036.000	Becker	14141207	0	\$0	No
04.0038.000	Becker	14141207	46	\$0	No
04.0084.001	Becker	14141217	0	\$0	No
04.0084.002	Becker	14141217	1	\$0	No

04.0085.000	Becker	14141217	3	\$0	No
04.0089.000	Becker	14141217	14	\$0	No
04.0090.000	Becker	14141218	8	\$0	No
04.0090.001	Becker	14141218	15	\$0	No
04.0091.000	Becker	14141218	23	\$0	No
04.0092.000	Becker	14141218	19	\$0	No
04.0092.003	Becker	14141218	0	\$0	No
04.0093.000	Becker	14141218	17	\$0	No
04.0094.000	Becker	14141218	0	\$0	No
04.0094.001	Becker	14141218	9	\$0	No
04.0098.000	Becker	14141219	0	\$0	No
04.0101.000	Becker	14141220	2	\$0	No
04.0103.000	Becker	14141220	25	\$0	No
04.8901.000	Becker	14141218	3	\$0	No
23.0055.000	Becker	14142212	2	\$0	No
23.0055.001	Becker	14142212	45	\$0	No
23.0056.001	Becker	14142212	11	\$0	No
23.7022.000	Becker	14142215	33	\$0	No
23.0060.000	Becker	14142213	19	\$0	No
23.0063.000	Becker	14142214	39	\$0	No
23.0066.000	Becker	14142215	19	\$0	No
23.0068.000	Becker	14142215	21	\$0	No
23.0069.000	Becker	14142215	4	\$0	No
23.7021.000	Becker	14142214	1	\$0	No
23.0075.000	Becker	14142216	12	\$0	No
23.0077.000	Becker	14142216	30	\$0	No
23.0078.000	Becker	14142216	0	\$0	No
23.0080.000	Becker	14142216	16	\$0	No
23.0105.000	Becker	14142220	0	\$0	No
23.0106.000	Becker	14142220	0	\$0	No
23.0108.000	Becker	14142221	61	\$0	No
02.019.0200	Clay	13746219	16	\$0	No
02.031.3000	Clay	13746231	22	\$0	No
02.023.3001	Clay	13746223	8	\$0	No
01.013.4700	Clay	13747213	2	\$0	No
02.005.1000	Clay	13746205	6	\$0	No
02.021.2000	Clay	13746221	47	\$0	No
02.021.1800	Clay	13746221	3	\$0	No
02.020.2201	Clay	13746220	28	\$0	No
02.020.2000	Clay	13746220	19	\$0	No
02.020.1101	Clay	13746220	24	\$0	No
02.020.1000	Clay	13746220	19	\$0	No
02.019.1500	Clay	13746219	38	\$0	No
02.019.1101	Clay	13746219	4	\$0	No
02.018.3000	Clay	13746218	39	\$0	No
01.036.1100	Clay	13747236	2	\$0	No
01.036.0100	Clay	13747236	25	\$0	No
01.025.4600	Clay	13747225	1	\$0	No
01.025.4000	Clay	13747225	39	\$0	No
01.025.1000	Clay	13747225	41	\$0	No
01.024.4000	Clay	13747224	15	\$0	No
01.024.0000	Clay	13747224	49	\$0	No
01.023.4002	Clay	13747223	8	\$0	No
01.023.4000	Clay	13747223	16	\$0	No
01.023.2201	Clay	13747223	2	\$0	No
01.023.0100	Clay	13747223	53	\$0	No
01.015.2000	Clay	13747215	2	\$0	No

01.015.1000	Clay	13747215	48	\$0	No
01.015.0300	Clay	13747215	9	\$0	Yes
01.014.3000	Clay	13747214	31	\$0	No
01.014.2000	Clay	13747214	1	\$0	No
01.010.4001	Clay	13747210	3	\$0	No
01.010.3770	Clay	13747210	3	\$0	No
02.013.2500	Clay	13746213	6	\$0	No
05.032.3700	Clay	13846232	1	\$0	No
05.032.3500	Clay	13846232	1	\$0	No
02.012.3500	Clay	13746212	18	\$0	No
02.011.1800	Clay	13746211	5	\$0	No
02.004.2000	Clay	13746204	41	\$0	No
02.003.0100	Clay	13746203	42	\$0	No
02.003.0300	Clay	13746203	9	\$0	No
02.002.3100	Clay	13746202	0	\$0	No
02.002.4401	Clay	13746202	1	\$0	No
02.011.1600	Clay	13746211	41	\$0	No
02.011.4701	Clay	13746211	7	\$0	No
02.013.2200	Clay	13746213	2	\$0	No
02.000.0050	Clay	13746212	3	\$0	No
02.002.3700	Clay	13746202	31	\$0	No
02.000.0050	Clay	13746212	1	\$0	No
05.032.4000	Clay	13846232	37	\$0	No
02.004.1000	Clay	13746204	41	\$0	No
02.013.9001	Clay	13746213	0	\$0	No
02.005.1801	Clay	13746205	20	\$0	No
02.002.3200	Clay	13746202	12	\$0	No
02.003.0310	Clay	13746203	37	\$0	No
02.011.4702	Clay	13746211	11	\$0	No
02.014.0170	Clay	13746214	0	\$0	No
02.060.0101	Clay	13746220	1	\$0	No
02.033.2060	Clay	13746233	0	\$0	No
02.032.3000	Clay	13746232	1	\$0	No
02.032.2000	Clay	13746232	32	\$0	No
02.032.1000	Clay	13746232	31	\$0	No
02.031.2002	Clay	13746231	0	\$0	No
02.031.2001	Clay	13746231	1	\$0	No
02.031.2000	Clay	13746231	25	\$0	No
02.031.0400	Clay	13746231	64	\$0	No
02.030.0300	Clay	13746230	6	\$0	No
02.026.2000	Clay	13746226	1	\$0	No
02.023.3701	Clay	13746223	30	\$0	No
02.022.4600	Clay	13746222	20	\$0	Yes
02.022.4400	Clay	13746222	13	\$0	Yes
02.022.3000	Clay	13746222	30	\$0	No
02.021.4330	Clay	13746221	1	\$0	No
02.021.4000	Clay	13746221	15	\$0	No
03.017.0430	Wilkin	13646217	1	\$0	No
03.018.0500	Wilkin	13646218	18	\$0	No
03.018.0400	Wilkin	13646218	24	\$0	No
03.018.0110	Wilkin	13646218	3	\$0	Yes
03.018.0100	Wilkin	13646218	36	\$0	Yes
03.018.0200	Wilkin	13646218	64	\$0	Yes
03.020.0300	Wilkin	13646220	51	\$234,300	Yes
03.019.0500	Wilkin	13646219	10	\$56,400	No
03.019.0115	Wilkin	13646219	2	\$15,700	No
03.020.0200	Wilkin	13646220	29	\$141,000	Yes

03.019.0100	Wilkin	13646219	34	\$172,400	No
03.030.0400	Wilkin	13646230	45	\$201,100	Yes
03.029.0500	Wilkin	13646229	24	\$116,900	No
10.012.0300	Wilkin	13647212	52	\$0	No
03.029.0400	Wilkin	13646229	9	\$52,300	No
10.012.0400	Wilkin	13647212	74	\$0	Yes
10.012.0210	Wilkin	13647212	0	\$0	No
10.011.0100	Wilkin	13647211	18	\$0	Yes
03.030.0100	Wilkin	13646230	7	\$38,400	Yes
10.012.0220	Wilkin	13647212	15	\$0	Yes
03.029.0310	Wilkin	13646229	4	\$26,800	No
03.029.0300	Wilkin	13646229	8	\$45,200	No
03.019.0110	Wilkin	13646219	0	\$6,700	No
10.012.0100	Wilkin	13647212	18	\$0	Yes
10.002.0100	Wilkin	13647202	21	\$0	No
10.002.0200	Wilkin	13647202	33	\$0	No
10.012.0200	Wilkin	13647212	35	\$0	Yes
13.024.0110	Wilkin	13448224	11	\$0	No
13.024.0600	Wilkin	13448224	4	\$0	No
13.024.0200	Wilkin	13448224	4	\$0	No
13.024.0100	Wilkin	13448224	13	\$0	No
13.013.0510	Wilkin	13448213	1	\$0	No
17.019.0400	Wilkin	13447219	32	\$0	No
17.019.0300	Wilkin	13447219	7	\$0	No
10.013.0100	Wilkin	13647213	21	\$0	No
10.013.0100	Wilkin	13647213	1	\$0	No
10.001.0500	Wilkin	13647201	31	\$0	Yes
10.002.0400	Wilkin	13647202	50	\$0	Yes
10.001.0300	Wilkin	13647201	2	\$0	Yes
10.011.0300	Wilkin	13647211	6	\$0	No

Parcel Map



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