Lessard-Sams Outdoor Heritage Council

Living Shallow Lakes and Wetlands Enhancement & Restoration Initiative

ML 2026 Request for Funding

General Information

Date: 06/26/2025

Proposal Title: Living Shallow Lakes and Wetlands Enhancement & Restoration Initiative

Funds Requested: $14,975,000

Confirmed Leverage Funds: $600,000

Is this proposal Scalable?: Yes

Manager Information

Manager's Name: John Lindstrom
Title: Manager of Conservation Programs - Minnesota
Organization: Ducks Unlimited, Inc.
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Location Information

County Location(s): Carver, Scott, Jackson, Big Stone, Stevens, Lyon, Lincoln, Martin, Le Sueur, Sherburne, Murray, Yellow Medicine, Steele, Watonwan, Lac qui Parle, Freeborn, Kandiyohi, Douglas, Cottonwood, Todd, Redwood, Pope, Stearns, Chippewa, Nicollet, Meeker, Mahnomen, Wright, Rice, Otter Tail, Traverse, Swift, Grant, Renville, Sibley, Hennepin, Washington, Faribault, Nobles, Becker, Clay, Polk, Marshall and Blue Earth.

Eco regions in which work will take place:

Forest / Prairie Transition

Prairie

Metro / Urban

Activity types:

Restore

Enhance

Priority resources addressed by activity:

Wetlands

Prairie

Narrative

Abstract

This request is for Ducks Unlimited's Living Lakes program will enhance or restore 2,400 acres of wetlands and adjacent prairie grasslands for the U.S. Fish & Wildlife Service and Minnesota DNR on public lands and private lands under permanent easement. DU biologists and engineers will design wetland restorations to restore natural hydrology and water control structures for active management of shallow lakes and larger wetlands to enhance their ecology for wildlife and people in Minnesota's Prairie Pothole Region. While DU staff will design restoration and enhancement projects, DU will hire private contractors to conduct restoration and enhancement work.

Design and Scope of Work

This Phase 12 of Ducks Unlimited's ongoing shallow lake enhancement and wetland restoration conservation program will enhance or restore at least 2,400 acres of shallow lakes, wetlands, and prairie grasslands, primarily in the Prairie Pothole Region of Minnesota. DU biologists work with U.S. Fish & Wildlife Service and Minnesota DNR field staff to restore and enhance wetlands on public land and under easement and DU engineers design water level control structures to enhance degraded shallow lakes and wetlands for DNR and other partners. Water control structures are used for temporary water level draw-downs to rejuvenate shallow lake ecology and productivity for wildlife. Small wetland enhancement and restoration work is completed using natural infrastructure and by removing sediment, removing tile, and removing trees. Adjacent grasslands may be enhanced with tree removal to benefit upland nesting waterfowl. Restoration work is done by private sector firms hired by DU.

Shallow lake enhancement and wetland restoration are top priority actions in all major conservation plans for Minnesota. Our work addresses the habitat goals identified in North American Waterfowl Management Plan, Minnesota's Prairie Conservation Plan, and Minnesota's Duck Recovery Plan which calls for the active management of 1,800 shallow lakes and restoring 64,000 wetlands to Minnesota's landscape. This work is time-sensitive because complex shallow lake enhancement projects take several years to design and implement, and because wetland restorations are critically needed for breeding waterfowl.

Healthy and abundant wetlands are required to sustain breeding and migrating waterfowl. Minnesota has lost approximately 90% of our prairie wetlands and 99% of native prairie grasslands. This has had a profound negative impact on breeding ducks and other prairie wetland wildlife here. Our remaining shallow lakes and wetlands are often those that were too deep to drain years ago and now function as the core of Minnesota's remaining waterfowl habitat complexes. Unfortunately, these remaining wetland basins now receive the excessive nutrient-laden water runoff from an intensively drained and interconnected landscape through which invasive fish such as carp have improved access. As a result, many of our remaining wetlands and shallow lakes are turbid and degraded due to drainage they receive and high, stabilized water levels in which nutrients collect and invasive fish proliferate. This results in stagnated aquatic wetland ecology and productivity and wetland basins with few aquatic plants and invertebrates for birds to eat. This is especially detrimental to diving ducks and other wetland-dependent species that rely exclusively on aquatic plant and invertebrate foods within wetlands and shallow lakes. These factors have caused a significant decline in both Minnesota's once diverse waterfowl population and rich waterfowling traditions.

WRE03 This funding request will support DU staff biologists and engineers who survey, design, and manage construction of shallow lake and wetland enhancement and restoration projects to improve public water shallow lakes and restore wetlands and grasslands. Funding will also support ongoing wetland technical assistance to assess, survey, and design future enhancement and wetland projects for implementation under future OHF appropriations for this program.

Explain how the proposal addresses habitat protection, restoration, and/or enhancement for fish, game & wildlife, including threatened or endangered species conservation

This proposal enhances shallow lakes and restores non-forested prairie wetlands, which are identified as critical habitats for many "Species of Greatest Conservation Need" listed in Minnesota's "Tomorrow's Habitat for the Wild & Rare: An Action Plan for Minnesota Wildlife." Specific species listed in the Action Plan as requiring shallow lakes (page 273) include lesser scaup, northern pintail, common moorhen, least bittern, American bittern, marsh wren, and Virginia rail, along with being "important for many other species". Specific species listed in the Action Plan as requiring emergent marshes (page 267) include least bittern, American bittern, marsh wren, and Virginia rail, and Forster's terns are listed as requiring large deep-water marshes.

In addition to these specific wildlife species listed as SGCN examples in the Action Plan, shallow lakes and prairie wetlands will provide habitat of significant value for other species listed in Appendix B of the Action Plan too. Enhanced shallow lakes will provide habitat of significant value for other SGCN including: western grebe, black tern, northern harrier, trumpeter swan, common loon, bald eagle, Franklin's gull, whimbrel, black-crowned night heron, American white pelican, horned grebe, red-necked grebe, eared grebe, and common tern. Restored prairie wetlands will provide habitat of significant value for other SGCN including: black tern, northern harrier, trumpeter swan, rusty blackbird and black-crowned night heron.

Frequently, our small wetland restoration and enhancement work is prioritized based on the USFWS "Thunderstorm Map" that estimates the density of breeding waterfowl across the prairie part of the state. During spring migration, waterfowl frequently return to areas near where they hatched looking to nest themselves. We target those areas that are already most attractive to breeding waterfowl, and maximize the attractiveness of small wetland basins on existing WPAs and WMAs, including removing invasive trees. This helps improve these existing complexes for wetland dependent wildlife and only makes them more attractive to waterfowl looking to nest, and improve their chance to successfully nest. These wetlands are also used by waterfowl migrating through the area in the fall too.

What are the elements of this proposal that are critical from a timing perspective?

Most prairie wetlands have already been drained and most shallow lakes degraded in southern Minnesota. Functioning wetland basins are the most important habitat variable for breeding ducks and the most limiting factor for ducks in the prairie region of Minnesota. Similarly, healthy and productive shallow lakes are the limiting habitat type for diving ducks and most other migrating waterfowl species as they pass through Minnesota in fall and spring. To improve wetland conditions for both breeding and migrating waterfowl in Minnesota, it is imperative that we restore wetlands and enhance shallow lakes, especially in the Prairie Pothole Region of SW Minnesota. Some of these larger shallow lake and wetland projects can take over a decade to come together. Given the importance of both small ponds and larger lakes and wetlands to waterfowl throughout their annual cycle, it is crucial that this work continue to be delivered effectively in high-priority areas.

Describe how the proposal expands habitat corridors or complexes and/or addresses habitat fragmentation:

Ducks Unlimited uses science-based targeting to evaluate shallow lake and prairie wetland restorations, especially small wetland restorations that help improve prairie-wetland complexes for breeding ducks. Models such as the U.S. Fish & Wildlife Service (USFWS) "Thunderstorm Maps" and "Restorable Wetlands Inventory" help determine landscape importance for breeding waterfowl. We consider biological diversity and significance according to the Minnesota DNR County Biological Survey (MCBS). Where possible, we like to work in complexes of high habitat value. Several examples include:

Herschberger Wildlife Management Area is a 242-acre property managed by DNR in Lincoln County. The WMA surrounds two basins collectively known as Curtis Lake. The WMA has a moderate level of biodiversity significance. Curtis Lake is a lake of moderate biological significance as per the MCBS. Ducks Unlimited is working towards construction on replacement water level control structures to improve water quality in Curtis Lake by temporary water level drawdown. This will result in improved habitat for waterfowl and other wetland wildlife.

Lake Katrina is a 485-acre shallow lake in Hennepin County and is identified as having high biodiversity significance according to MCBS. Baker Park Reserve surrounds Lake Katrina and also has sites of high biodiversity significance. Ducks Unlimited is working on a new water-control structure here that will enhance the habitat quality of the lake for wetland dependent wildlife.

Several federal Waterfowl Production Areas (WPA) in west-central Minnesota are located in landscapes with outstanding biodiversity significance in large complexes of fee-title and protected private lands under permanent easement. Key parts of this landscape currently support 40-60 breeding duck pairs per square mile, with the potential to support over 100 breeding duck pairs per square mile once wetlands are restored.

Ducks Unlimited is currently working on four different wetland enhancement projects at Big Stone National Wildlife Refuge in Lac qui Parle County. The refuge is home to several sites of outstanding, high, and moderate levels of biodiversity significance. The landscape is currently able to support 10-25 breeding duck pairs per square mile. These enhanced wetlands will provide additional habitat for birds throughout their annual cycle.

Which top 2 Conservation Plans referenced in MS97A.056, subd. 3a are most applicable to this project?

Long Range Duck Recovery Plan

North American Waterfowl Management Plan

Explain how this proposal will uniquely address habitat resilience to climate change and its anticipated effects on game, fish & wildlife species utilizing the protected or restored/enhanced habitat this proposal targets.

A large part of this program is building water-control structures that allow temporary water level drawdowns. These drawdowns consolidate bottom sediments, allow wetland plants to germinate, and induce winterkills of undesirable fish species like common carp. Warmer winters, driven by climate change, will reduce the frequency of natural winterkills on shallow lakes across the prairie part of the state. Additionally, heavier rainfall events are resulting in increased connectivity of wetland areas and flooding cycles that are inconsistent with historical flooding cycles. This increases nutrient inputs from surface and subsurface wetland drainage resulting in poorer water quality and poorer habitat. Having the ability to manage water levels with a water control structure will

WRE03 allow our partners to more frequently drawdown basins to combat effects of climate change to induce fish winterkill and reset the ecology of these shallow lake and wetland systems to benefit wetland dependent wildlife.

Which LSOHC section priorities are addressed in this proposal?

Forest / Prairie Transition

Protect, enhance, and restore migratory habitat for waterfowl and related species, so as to increase migratory and breeding success

Metro / Urban

Protect habitat corridors, with emphasis on the Minnesota, Mississippi, and St. Croix rivers (bluff to floodplain)

Prairie

Protect, enhance, and restore migratory habitat for waterfowl and related species, so as to increase migratory and breeding success

Describe how this project/program will produce and demonstrate a significant and permanent conservation legacy and/or outcomes for fish, game, and wildlife, and if not permanent outcomes, why it is important to undertake at this time:

Ducks Unlimited professional engineers and biologists design and install robust steel and concrete water level control structures that provide long-lasting shallow lake enhancement and wetland restoration tools to Minnesota DNR, U.S. Fish & Wildlife Service, and other partner's field managers. These water control structures are essential to enhancing shallow lakes and controlling outflows, and must be engineered to a very high level in order to withstand time and environmental pressures while providing wildlife managers with the means to regularly conduct temporary water level draw-downs to enhance their aquatic ecology to ensure optimal ecological condition for ducks. Similarly, smaller wetland restorations often involve complex drainage systems that require professional engineering to survey, design, and restore without negatively affecting upstream and downstream private landowners. Since 1984, Ducks Unlimited has provided professional wetland engineering services to our state and federal wildlife conservation agency partners.

Outcomes

Programs in forest-prairie transition region:

Wetland and upland complexes will consist of native prairies, restored prairies, quality grasslands, and restored shallow lakes and wetlands ~ *This program will restore and enhance wetlands and grasslands on federal Waterfowl Production Areas and USFWS Habitat easements, and similar wetlands for MNDNR, each of which will be selected strategically by USFWS and MNDNR to benefit existing wetland complexes and migratory birds for both breeding and migration habitat, and which will be monitored by USFWS and MNDNR.*

Programs in metropolitan urbanizing region:

Game lakes are significant contributors of waterfowl, due to efforts to protect uplands adjacent to game lakes ~ *DU will enhance and restore shallow lakes and wetlands on the Three Rivers Park District, Sherburne NWR, and Minnesota Valley NWR and federal Waterfowl Production Areas perpetually protected, managed, monitored, and evaluated annually by highly-trained U.S. Fish & Wildlife Service wildlife biologists. Park and service staff will guide the enhancement and restoration work by DU, and will evaluate wetland habitat outcomes annually to guide future management actions.*

Programs in prairie region:

Protected, restored, and enhanced shallow lakes and wetlands ~ *Wetland and shallow lakes restored or enhanced by DU will be assessed by Minnesota DNR and USFWS to document improvements in water clarity, abundance of aquatic plants, and overall improvements in the aquatic ecology of each basin. Minnesota DNR and U.S. Fish & Wildlife Service field staff also conduct periodic counts of waterfowl and other wildlife using these basins in both spring and fall, along with hunters, and thus wildlife and human use is also monitored on a more informative opportunistic basis.*

What other dedicated funds may collaborate with or contribute to this proposal?

N/A

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.

This funding requested, if approved, will supplement traditional funding for Ducks Unlimited's Living Lakes Initiative, and will not supplant or substitute for traditional funding previously used for this purpose by Ducks Unlimited.

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

Shallow lake enhancement water control structures and prairie wetland restorations are implemented for agency conservation partners on land under their state, federal, or municipal long-term control and management responsibility. Thus, all projects constructed will be sustained and maintained by conservation partners like the Minnesota DNR and U.S. Fish & Wildlife Service, which are the two primary wildlife habitat management agencies in Minnesota. Upland areas that are enhanced or restored under this program will be managed with intermittent fire to maintain the benefits of our work.

Actions to Maintain Project Outcomes

Year	Source of Funds	Step 1	Step 2	Step 3
2032	DNR Game & Fish Account, OHF for DNR Shallow Lakes and Small Wetlands Program and DNR Roving Crews	DNR Area Wildlife and Program Staff will assess shallow lake and wetland conditions following initial water level draw-downs or restoration, and document for management consideration	Every 3-8 years, depending on wetland conditions, water control structures will be used to actively manage and enhance shallow lakes and wetlands via temporary water level draw-down to remove fish, stimulate aquatic plants, and rejuvenate their overall aquatic ecology, which includes stimulating aquatic invertebrate production. Some basins may need pumping via DNR pump purchased by DU via previous 2012 OHF grant.	DNR assess ecological conditions again following subsequent temporary water level draw-downs and refilling management treatments, and communicate results and questions or concerns to DU.

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

Ducks Unlimited conserves wetlands for waterfowl and people alike. Our habitat projects restore natural infrastructure, which helps to alleviate society's climate impacts and provide clean water for diverse communities, who are disproportionately impacted by the effects of wetland loss and climate change.

Wetlands recharge groundwater in aquifers that provide clean, dependable water supplies while removing pollutants and reducing downstream flooding. Community resiliency is enhanced by the function of wetlands and adjacent grassland habitats that clean water and help absorb impacts from severe weather events. Public waters also provide opportunities for fishing, hunting, canoeing, kayaking, birding, and outdoor education for diverse and low to moderate income communities that may not otherwise have access to natural open spaces. Frequently our work occurs in outstate Minnesota where there are more moderate and low income households, providing access to natural areas where they might not otherwise have access. Indigenous communities may benefit from DU wetland enhancements and restorations that create suitable conditions for wild rice to proliferate. Wetlands deliver a return on investment that supports the health, resiliency, and well-being of diverse communities.

Restoring wetlands in the Mississippi River watershed benefits the diverse communities who draw their water from the river such as Minneapolis, St. Paul, and St. Cloud. Minneapolis alone draws 21 billion gallons of water a year from the Mississippi River to produce 57 million gallons of drinking water each day.

DU works with Three Rivers Park District and U.S. Fish & Wildlife Service's Minnesota Valley National Wildlife Refuge to enhance shallow lakes and other wetlands near diverse communities. The Refuge and Park District both connect the vibrant cultures of the Twin Cities metro with the diversity of wildlife and habitat in the metro area. They enhance urban habitat while offering community programs, environmental education, and access to nature on the edge of the city as well as hunting, fishing and hiking in wilder areas across the metro.

Activity Details

Requirements

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?

WMA

WPA

Permanently Protected Conservation Easements

Public Waters

Refuge Lands

County/Municipal

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 insecticides or fungicides (including neonicotinoid and fungicide treated seed) be used within any activities of this proposal either in the process of restoration or use as food plots?
No

Other OHF Appropriation Awards

Have you received OHF dollars through LSOHC in the past?
Yes

Are any of these past appropriations still OPEN?
Yes

Approp Year	Funding Amount Received	Amount Spent to Date	Funding Remaining	% Spent to Date
2025	$5,601,000	-	-	-
2024	$7,867,000	$551,874	$7,315,126	7.02%
2023	$6,455,000	$1,964,936	$4,490,064	30.44%
2022	$5,155,000	$5,045,460	$109,540	97.88%
2021	$3,960,000	$3,959,159	$841	99.98%
2018	$3,740,000	$3,739,999	$1	100.0%
2017	$4,716,000	$4,714,370	$1,630	99.97%
2014	$4,910,000	$4,888,300	$21,700	99.56%
2012	$4,490,000	$4,490,000	-	100.0%
2010	$2,417,000	$2,417,000	-	100.0%
2009	$2,528,000	$2,528,000	-	100.0%
Totals	$51,839,000	$34,299,098	$17,539,902	66.16%

Timeline

Activity Name	Estimated Completion Date
Recon projects with DNR, FWS, and other partners and begin engineering survey and design of wetland restorations and shallow lake enhancements	June 2027
Complete some small wetland restorations and some larger shallow lake enhancements	June 2028
Complete remaining small wetland projects and larger shallow lake enhancement water control structure installations	June 2031

Budget

Totals

Item	Funding Request	Total Leverage	Leverage Source	Total
Personnel	$2,200,000	$470,000	DU Private, federal NAWCA, and USFWS IRA	$2,670,000
Contracts	$12,150,000	$500,000	DU Private & federal NAWCA grants	$12,650,000
Fee Acquisition w/ PILT	-	-	-	-
Fee Acquisition w/o PILT	-	-	-	-
Easement Acquisition	-	$500,000	Federal USFWS Migratory Bird Con. Fund	$500,000
Easement Stewardship	-	-	-	-
Travel	$80,000	$10,000	DU Private & federal NAWCA grants	$90,000
Professional Services	$80,000	-	-	$80,000
Direct Support Services	$220,000	-	-	$220,000
DNR Land Acquisition Costs	-	-	-	-
Capital Equipment	-	-	-	-
Other Equipment/Tools	$80,000	-	-	$80,000
Supplies/Materials	$165,000	$20,000	DU Private & federal NAWCA grants	$185,000
DNR IDP	-	-	-	-
Grand Total	**$14,975,000**	**$1,500,000**	**-**	**$16,475,000**

Personnel

Position	Annual FTE	Years Working	Funding Request	Total Leverage	Leverage Source	Total
Manager - Grant Administration & Program Coordination	0.5	3.0	$150,000	-	-	$150,000
Professional Engineers, Surveyors, Construction Managers, and Biologists to Design and Implement Projects	8.0	3.0	$2,050,000	$470,000	DU Private, federal NAWCA, and USFWS IRA	$2,520,000

Amount of Request: $14,975,000
Amount of Leverage: $1,500,000
Leverage as a percent of the Request: 10.02%
DSS + Personnel: $2,420,000

As a % of the total request: 16.16%
Easement Stewardship: -
As a % of the Easement Acquisition: -

Total Leverage (from above)	Amount Confirmed	% of Total Leverage	Amount Anticipated	% of Total Leverage
$1,500,000	$600,000	40.0%	$900,000	60.0%

Detail leverage sources and confirmation of funds:
DU will leverage OHF grant funds with additional private support from individuals, foundations, and corporations and from federal NAWCA grants. Federal leverage will also come from USFWS ($500,000 MBCF easement acquisition funds and $100,000 from IRA).

Does this proposal 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?
If reduced to 50% of the request, most of our acres/activities and budget would be scaled proportionately.

Describe how personnel and DSS expenses would be adjusted and if not proportionately reduced, why?
Because our work involves a team of DU biologists/engineers, including programmatic engineering feasibility work that often spans several years and multiple appropriations, budgets for personnel may not be reduced exactly proportionately but will be reduced as much as possible without jeopardizing staffing and progress to keep future projects viable.

If the project received 30% of the requested funding

Describe how the scaling would affect acres/activities and if not proportionately reduced, why?
If reduced to 30% of the request, most of our acres/activities and budget would be scaled proportionately.

Describe how personnel and DSS expenses would be adjusted and if not proportionately reduced, why?
Because our work involves a team of DU biologists/engineers, including programmatic engineering feasibility work that often spans several years and multiple appropriations, budgets for personnel may not be reduced exactly proportionately but will be reduced as much as possible without jeopardizing staffing and progress to keep future projects viable.

Personnel

Has funding for these positions been requested in the past?
Yes

WRE03 **Please explain the overlap of past and future staffing and position levels previously received and how that is coordinated over multiple years?**
DU strives to complete one phase of this program before starting the next, to minimize overlap. Currently, we anticipate completing Phase 8 by the end of 2024. We also anticipate a majority of Phase 9 being spent by the end of 2025. Furthermore, DU assigns a unique project number code to each project, and staff charge time to these site-specific project codes as they work on multiple projects throughout the year. Despite DU staff working on multiple projects and grants throughout the year, charges are only billed to one OHF grant or another, and therefore staff charges throughout the year are incurred on multiple projects funded by multiple grants, and DU staff cost invoicing is both sites-specific and OHF grant-specific.

Contracts

What is included in the contracts line?
The contracts line is for shallow lake enhancement and wetland restoration work contracted to private sector construction firms specializing in earth moving and water control structure installation involving steel weirs, concrete culverts, etc.

Professional Services

What is included in the Professional Services line?

Other : County Ditch Petitions and Outlet Fees, Soil Suitability Investigations

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
None - DU travel costs consist of in-state mileage, food, and lodging only. Travel is primarily mileage and lodging for engineering field staff and biologists during project survey and construction management. DU has not typically invoiced for food or meals in the past, and likely won't do so in the future.

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?
Minnesota DNR grants staff previously reviewed and approved DU accounting methodology for Direct Support Services, which are calculated and included in DU staff costs. DU Direct Support Services constitute approximately 10% of DU overall staff costs on average among all billable DU conservation staff categories. DU breaks out and invoices for Direct Support Service expenses approved by DNR for reimbursement separately from Personnel expenses.

Other Equipment/Tools

Give examples of the types of Equipment and Tools that will be purchased?
GPS survey equipment for performing engineering wetland restoration survey work and engineering surveys of shallow lake and large wetland enhancement projects, including survey equipment lease charges instead of actual outright equipment purchases to avoid buying equipment that becomes obsolete due to upgrades and advancements. Other equipment may include laptop and/or tablet computers, printers and other office equipment for biologists or engineers may be needed, along with hand tools and other field equipment as needs arise.

Federal Funds

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

Are the funds confirmed?
Yes

Cash : $500,000

Is Confirmation Document attached?
Yes

Output Tables

Acres by Resource Type (Table 1)

Type	Wetland	Prairie	Forest	Habitat	Total Acres
Restore	200	100	0	0	300
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	1,500	600	0	0	2,100
Total	**1,700**	**700**	**0**	**0**	**2,400**

Restoration/Enhancement Acres Breakdown of Existing Protected Lands (Table 1a.2)

	RESTORE		ENHANCE	
	Lands acquired with OHF	Lands NOT acquired with OHF	Lands acquired with OHF	Lands NOT acquired with OHF
DNR Lands (WMA, State Forests, etc)	0	0	0	1,000
Non-DNR Lands (city, state, federal, etc.)	0	150	0	1,000
Easements	0	150	0	100
Total	**0**	**300**	**0**	**2,100**

Total Requested Funding by Resource Type (Table 2)

Type	Wetland	Prairie	Forest	Habitat	Total Funding
Restore	$2,235,000	$100,000	-	-	$2,335,000
Protect in Fee with State PILT Liability	-	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-	-
Protect in Easement	-	-	-	-	-
Enhance	$12,340,000	$300,000	-	-	$12,640,000
Total	**$14,575,000**	**$400,000**	**-**	**-**	**$14,975,000**

Acres within each Ecological Section (Table 3)

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	N. Forest	Total Acres
Restore	0	50	0	250	0	300
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	100	200	0	1,800	0	2,100
Total	**100**	**250**	**0**	**2,050**	**0**	**2,400**

Total Requested Funding within each Ecological Section (Table 4)

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	N. Forest	Total Funding
Restore	-	$750,000	-	$1,585,000	-	$2,335,000
Protect in Fee with State PILT Liability	-	-	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-	-	-
Protect in Easement	-	-	-	-	-	-
Enhance	$500,000	$1,500,000	-	$10,640,000	-	$12,640,000
Total	**$500,000**	**$2,250,000**	**-**	**$12,225,000**	**-**	**$14,975,000**

Average Cost per Acre by Resource Type (Table 5)

Type	Wetland	Prairie	Forest	Habitat
Restore	$11,175	$1,000	-	-
Protect in Fee with State PILT Liability	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-
Protect in Easement	-	-	-	-
Enhance	$8,226	$500	-	-

Average Cost per Acre by Ecological Section (Table 6)

Type	Metro/Urban	Forest/Prairie	SE Forest	Prairie	N. Forest
Restore	-	$15,000	-	$6,340	-
Protect in Fee with State PILT Liability	-	-	-	-	-
Protect in Fee w/o State PILT Liability	-	-	-	-	-
Protect in Easement	-	-	-	-	-
Enhance	$5,000	$7,500	-	$5,911	-

Target Lake/Stream/River Feet or Miles

Parcels

Sign-up Criteria?
No

Explain the process used to identify, prioritize, and select the parcels on your list:
Ducks Unlimited prioritizes prairie shallow lake enhancement and wetland restoration and enhancement opportunities that are located in landscapes most heavily used by migrating and breeding waterfowl, and which our DNR and USFWS agency partners have identified and prioritize for optimal waterfowl habitat. Due to the overall shortage of prairie wetlands for breeding ducks, and relatively few shallow lakes in optimal condition for migrating ducks in Minnesota, DU relies on our DNR and USFWS agency partner biologists with land management responsibility to determine shallow lake and wetland project opportunities on public land or under easement. From there, DU prioritizes wetland restorations within landscapes of higher predicted breeding duck use, and prioritizes enhancement of shallow lakes where management success is most probable due to basin depth, landscape and hydrology conditions, and the likelihood that invasive fish can be minimized. For our WPA work, it is largely prioritized by the USFWS "Thunderstorm Map," that predicts breeding waterfowl densities, with this program focusing on the WPAs in the best predicted breeding habitats of the prairie and transition parts of the state.

Restore / Enhance Parcels

Name	County	TRDS	Acres	Est Cost	Existing Protection	Description
Haverkamp WPA	Becker	14141205	10	$100,000	Yes	Enhance small wetlands for USFWS.
Lindsey Lake WPA	Becker	14242233	20	$200,000	Yes	Enhance small wetlands for USFWS.
Severson Lake WPA	Becker	13843202	20	$200,000	Yes	Enhance small wetlands for USFWS.
Spring Marshes WPA	Becker	14042209	5	$50,000	Yes	Enhance small wetlands for USFWS.
Barry Lake WPA	Big Stone	12447204	3	$20,000	Yes	Enhance small wetlands for USFWS.
Bauman WPA	Big Stone	12346220	3	$100,000	Yes	Enhance small wetlands for USFWS.
Bentson Lake WPA	Big Stone	12245207	4	$35,000	Yes	Enhance small wetlands for USFWS.
Boehnke WPA	Big Stone	12347211	3	$55,000	Yes	Enhance small wetlands for USFWS.
Dismal Swamp WPA - Small Wetlands	Big Stone	12345214	4	$70,000	Yes	Enhance small wetlands for USFWS
Helgenson WPA	Big Stone	12145205	1	$10,000	Yes	Enhance small wetlands for USFWS.
Hillman WPA	Big Stone	12145215	1	$10,000	Yes	Enhance small wetlands for USFWS.
Karsky WPA	Big Stone	12346207	9	$35,000	Yes	Enhance small wetlands for USFWS.
Kufrin WPA	Big Stone	12245221	10	$100,000	Yes	Enhance small wetlands for USFWS
Lane WPA	Big Stone	12447227	2	$135,000	Yes	Enhance small wetlands for USFWS.
Otrey Lake WMA	Big Stone	12245222	55	$200,000	Yes	Engineer and install water control structure for DNR
Prairie WPA	Big Stone	12246236	2	$15,000	Yes	Enhance small wetlands for USFWS.

Redhead Marsh WPA	Big Stone	12146211	3	$15,000	Yes	Enhance small wetlands for USFWS.
Rothi WPA	Big Stone	12145202	3	$25,000	Yes	Enhance small wetlands for USFWS.
Swenson Lake	Big Stone	12246203	314	$500,000	Yes	Engineer and install water control structure for DNR
Twin Lakes WPA	Big Stone	12246225	1	$10,000	Yes	Enhance small wetlands for USFWS
Eagle Lake	Blue Earth	10825207	617	$1,000,000	Yes	Engineer and install pump and water control structure for DNR
MN Valley NWR - Chaska Lake Enhancement	Carver	11523208	80	$500,000	Yes	Engineer and install new water control structure for USFWS.
Three Rivers Park District - Lake 2 Enhancement	Carver	11624204	35	$200,000	Yes	Engineer and install water control structure for 3RPD
Franko WMA Enhancement	Chippewa	11738214	42	$150,000	Yes	Engineer and install water control structure for DNR
Bjornson WPA	Clay	13845209	5	$50,000	Yes	Enhance small wetlands for USFWS.
Eide WPA	Clay	14144221	10	$100,000	Yes	Enhance small wetlands for USFWS.
Korell WPA	Clay	14144215	30	$200,000	Yes	Enhance small wetlands for USFWS.
Moe WPA	Clay	14144232	10	$10,000	Yes	Enhance small wetlands for USFWS.
Clear Lake WPA	Cottonwood	10538235	5	$50,000	Yes	Enhance small wetlands for USFWS.
Cottonwood Lake WPA	Cottonwood	10535219	2	$20,000	Yes	Restore small wetlands for USFWS
Harder Lake WPA	Cottonwood	10636216	1	$5,000	Yes	Engineer and restore small wetlands for USFWS
Watonwan River WPA	Cottonwood	10636211	85	$150,000	Yes	Enhance wetlands for USFWS
Wolf Lake WPA - Small wetland restorations	Cottonwood	10535231	5	$20,000	Yes	Restore small wetlands for USFWS
Banke Slough WPA - Small Wetlands	Douglas	12839218	1	$90,000	Yes	Enhance small wetlands for USFWS
Ernest Olson WPA	Douglas	13040223	2	$115,000	Yes	Enhance small wetlands for USFWS.
Hegg Lake WMA	Douglas	12740227	73	$300,000	Yes	Engineer and install water control structure for DNR
Hudson WPA - Small Wetlands	Douglas	12737229	3	$145,000	Yes	Enhance small wetlands for USFWS
J.I. case WPA - Small Wetlands	Douglas	12840225	2	$125,000	Yes	Enhance small wetlands for USFWS
Kensington WPA	Douglas	12740233	5	$50,000	Yes	Enhance small wetlands for USFWS.
Klug WPA - Small Wetlands	Douglas	12840221	1	$105,000	Yes	Enhance small wetlands for USFWS
Petersen WPA	Douglas	12836229	3	$145,000	Yes	Enhance small wetlands for USFWS.
Rachel WPA	Douglas	12837211	5	$55,000	Yes	Enhance small wetlands for USFWS.
Rolling Acres WPA	Douglas	12840231	6	$155,000	Yes	Enhance small wetlands for USFWS.
Runestone WPA	Douglas	12740214	5	$50,000	Yes	Enhance small wetlands for USFWS.

Urness WMA	Douglas	12840210	37	$200,000	Yes	Engineer and install water control structure for DNR
Maple River WPA	Faribault	10426210	50	$500,000	Yes	Enhance wetland management with new water level control structures.
Bhagyam WPA	Freeborn	10121230	15	$20,000	Yes	Enhance wetlands for USFWS
Twin Lakes WPA	Freeborn	10122202	5	$50,000	Yes	Restore small wetlands for USFWS
Two Island WPA	Freeborn	10322224	4	$20,000	Yes	Engineer and restore small wetlands for USFWS
Bailey Slough WPA	Grant	12843206	8	$30,000	Yes	Enhance small wetlands for USFWS.
Evavold WPA	Grant	13041204	2	$20,000	Yes	Enhance small wetlands for USFWS.
Frikken WPA	Grant	13042203	5	$50,000	Yes	Enhance small wetlands for USFWS.
Green WPA	Grant	12843207	6	$35,000	Yes	Enhance small wetlands for USFWS.
Mud Lake WPA	Grant	13044225	4	$125,000	Yes	Enhance small wetlands for USFWS.
Pomme de Terre WPA	Grant	13042235	4	$175,000	Yes	Enhance small wetlands for USFWS.
Stony Brook WPA	Grant	13043205	6	$25,000	Yes	Enhance small wetlands for USFWS.
Stony Brook WPA - Shallow Lake Enhancement	Grant	13043205	118	$300,000	Yes	Engineer and install water control structure for USFWS
Lake Katrina Enhancement	Hennepin	11823230	485	$500,000	Yes	Engineer and install new water control structure for Three Rivers Park District.
Boot Lake	Jackson	10335231	155	$500,000	Yes	Engineer and install new water control structures for MNDNR
Iowa Lake Enhancement	Jackson	10138231	242	$400,000	Yes	Engineer and install water control structure for DNR
Little Sioux WPA	Jackson	10136230	10	$100,000	Yes	Enhance small wetlands for USFWS.
Minnesota WPA	Jackson	10137232	30	$300,000	Yes	Enhance wetlands for USFWS
Sangl WMA	Jackson	10136221	25	$150,000	Yes	Enhance small wetlands for MNDNR.
Sioux Forks WPA	Jackson	10136218	10	$100,000	Yes	Enhance small wetlands for USFWS.
Timber Lake WPA	Jackson	10437224	21	$40,000	Yes	Enhance wetlands for USFWS
Arctander WPA - Small wetlands	Kandiyohi	12136202	10	$100,000	Yes	Enhance small wetlands for USFWS
Big Kandiyohi Lake WPA	Kandiyohi	11734203	40	$400,000	Yes	Enhance small wetlands for USFWS.
Brenner Lake WPA	Kandiyohi	12236206	10	$100,000	Yes	Enhance small wetlands for USFWS.
Burr Oak Lake - Small wetlands	Kandiyohi	12034233	10	$100,000	Yes	Enhance small wetlands for USFWS
Carlson Lake WPA	Kandiyohi	12034204	10	$100,000	Yes	Enhance small wetlands for USFWS.

Century WPA - Small Wetlands	Kandiyohi	12136211	10	$100,000	Yes	Enhance small wetlands for USFWS
Dengerud WPA	Kandiyohi	12135221	4	$40,000	Yes	Enhance small wetlands for USFWS.
Florida Slough WPA	Kandiyohi	12135227	17	$170,000	Yes	Enhance small wetlands for USFWS.
Hanson WPA	Kandiyohi	11836214	8	$80,000	Yes	Enhance small wetlands for USFWS.
Henjum Lake WPA	Kandiyohi	12136222	15	$150,000	Yes	Enhance small wetlands for USFWS.
Irving WPA - Small Wetlands	Kandiyohi	12133202	10	$100,000	Yes	Enhance small wetlands for USFWS
New London WPA	Kandiyohi	12134204	5	$50,000	Yes	Enhance small wetlands for USFWS.
Randall WPA - Small wetlands	Kandiyohi	12236209	5	$50,000	Yes	Enhance small wetlands for USFWS
Raymond WPA	Kandiyohi	11836206	5	$50,000	Yes	Enhance small wetlands for USFWS.
Swan Lake WPA	Kandiyohi	12036202	40	$400,000	Yes	Enhance small wetlands for USFWS.
Uncle Matt's WPA	Kandiyohi	12033232	10	$100,000	Yes	Enhance small wetlands for USFWS.
Weber WPA	Kandiyohi	12035228	79	$300,000	Yes	Engineer and install new water control structures for USFWS
Weber WPA - Small wetlands	Kandiyohi	12035221	20	$200,000	Yes	Enhance small wetlands for USFWS
Whitefield WMA - Wetland Restorations	Kandiyohi	11835215	13	$50,000	Yes	Restore small wetlands for MNDNR.
Yarmon WPA	Kandiyohi	11834223	263	$400,000	Yes	Engineer and install new water control structure for USFWS
Big Stone NWR - South Prairie 1 Wetland Restoration	Lac qui Parle	12046203	35	$100,000	Yes	Enhance small wetlands for USFWS
Big Stone NWR - Southeast Prairie and Yellow Bank South Wetland Restoration	Lac qui Parle	12045207	20	$75,000	Yes	Enhance small wetlands for USFWS
Big Stone NWR Pool 4/4A	Lac qui Parle	12145232	275	$1,500,000	Yes	Engineer and install water control structures for USFWS
Sweetwater WMA	Lac qui Parle	11746236	69	$200,000	Yes	Engineer and install water control structure for DNR
Tenwell WMA Enhancement	Lac qui Parle	11643201	115	$300,000	Yes	Engineer and install water control structure for DNR
Wild Wings WMA	Lac qui Parle	11643223	73	$250,000	Yes	Engineer and install water control structure for DNR
Lake Henry Enhancement	Le Sueur	11025234	396	$100,000	Yes	Enhance shallow lake with water control structure for MNDNR
Sanborn Lake WMA - Dietz Lake Enhancement	Le Sueur	11223235	73	$300,000	Yes	Engineer and install water control structure for DNR
Agribank WPA	Lincoln	11146205	25	$150,000	Yes	Enhance small wetlands for USFWS
Fox WPA	Lincoln	11045222	20	$100,000	Yes	Enhance small wetlands for USFWS
Herschberger WMA - Curtis Lake Enhancement	Lincoln	11145230	176	$500,000	Yes	Enhance shallow lake with water control structure for MNDNR

Knofczynski WPA	Lincoln	11245227	10	$50,000	Yes	Enhance small wetlands for USFWS
Rochel WPA	Lincoln	11045201	15	$50,000	Yes	Enhance small wetlands for USFWS
Rook WPA	Lincoln	11345227	17	$75,000	Yes	Enhance small wetlands for USFWS
Weber WPA	Lincoln	11045222	11	$50,000	Yes	Enhance small wetlands for USFWS
Arends WPA	Lyon	11343218	5	$20,000	Yes	Enhance small wetlands for USFWS
Black Rush Lake WPA	Lyon	11042216	30	$125,000	Yes	Enhance small wetlands for USFWS
Lyons WMA - Brown Marsh Enhancement	Lyon	11042228	70	$300,000	Yes	Enhance shallow lake with water control structure for MNDNR
North Twin Lake Enhancement	Lyon	10940219	115	$250,000	Yes	Engineer and install water control structure for DNR
Peterson WPA	Lyon	10942230	5	$20,000	Yes	Enhance small wetlands for USFWS
Church Lake Restoration	Mahnomen	14641232	206	$500,000	Yes	Engineer and install water control structure for DNR
Jason Barker WPA East	Mahnomen	14542224	3	$20,000	Yes	Enhance small wetlands for USFWS
Agassiz NWR - Madsen Pool	Marshall	15642215	100	$50,000	Yes	Enhance wetland management with new water level control structures.
Agassiz NWR - Mud Lake Main Agassiz Pool	Marshall	15641220	5,000	$1,000,000	Yes	Enhance wetland management with berms.
Agassiz NWR - Pool 8	Marshall	15642203	100	$50,000	Yes	Enhance wetland management with new water level control structures.
Clam Lake	Martin	10332215	72	$200,000	Yes	Engineer and install water control structure for MNDNR
Duck Lake Restoration	Martin	10333211	100	$300,000	Yes	Restore shallow lake for USFWS
East Chain WMA Wetland Restoration	Martin	10129206	10	$75,000	Yes	Restore small wetlands for MNDNR
Holmes Lake Restoration	Martin	10232235	100	$750,000	Yes	Engineer and install water control structure for USFWS
Rooney Run WMA - Round Lake Enhancement	Martin	10332221	45	$200,000	Yes	Engineer and install water level control structure for MNDNR
Clear Lake WPA	Meeker	12130210	10	$75,000	Yes	Engineer and install new water control structure for USFWS.
East Hanson Lake Restoration	Meeker	11931217	100	$500,000	Yes	Engineer and install new water control structure for USFWS
Forest City WPA	Meeker	12030220	6	$60,000	Yes	Enhance small wetlands for USFWS
Hanson Lake WPA	Meeker	11931207	21	$210,000	Yes	Enhance small wetlands for USFWS.
Harvey WPA	Meeker	12031231	40	$400,000	Yes	Enhance small wetlands for USFWS.

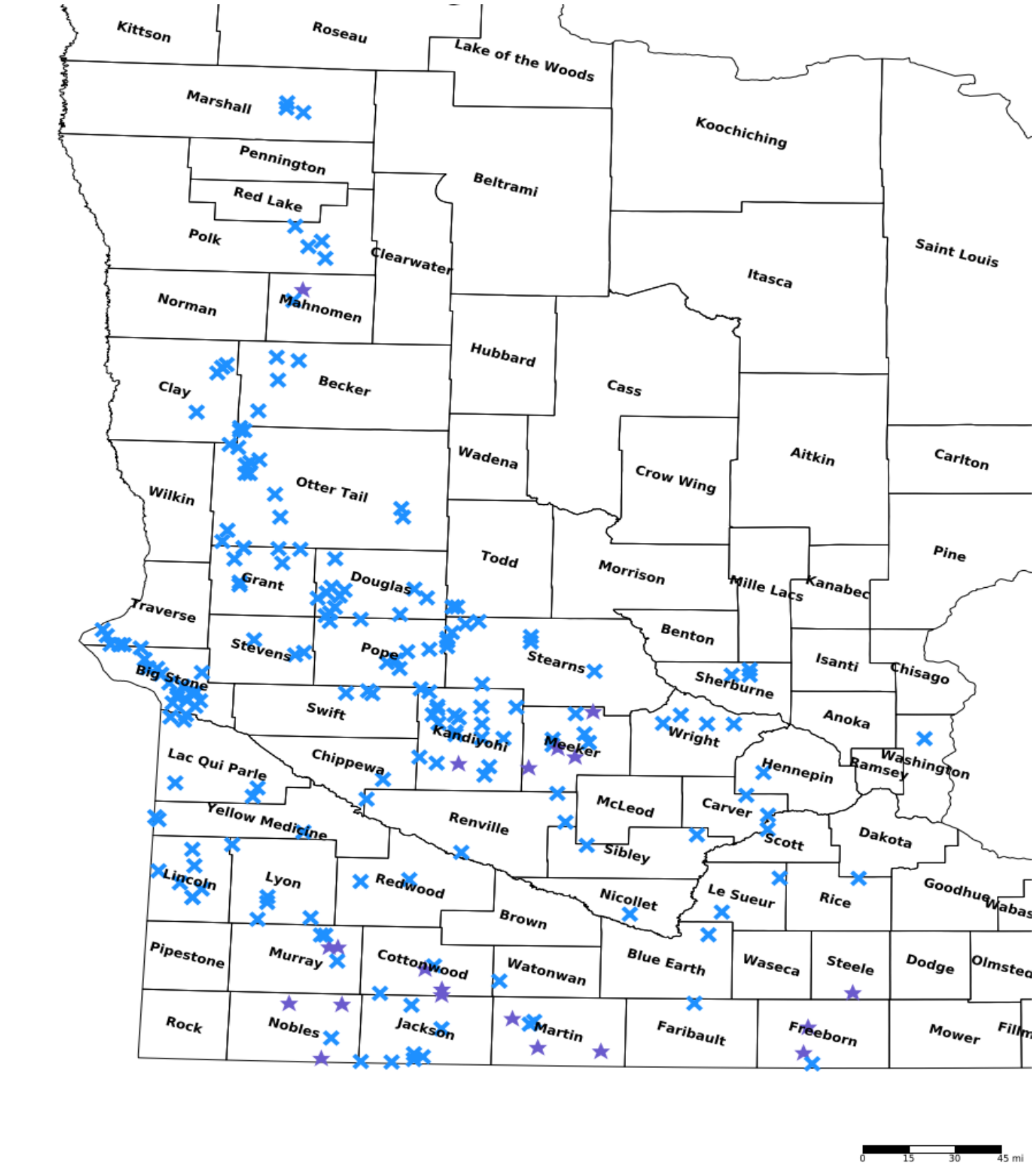
Litchfield WPA	Meeker	11931236	20	$200,000	Yes	Restore wetlands for USFWS.
Meeker Easement 107X	Meeker	11930204	25	$250,000	Yes	Enhance wetland for USFWS with new water control structure.
Peifer WPA Shallow Lake Enhancement	Meeker	11930204	81	$200,000	Yes	Engineer and install water control structure for USFWS
Rodewald WMA - Wetland Restoration	Meeker	11832220	25	$300,000	Yes	Engineer and install new water control structure for MNDNR.
Tyrone Flats WPA	Meeker	12131213	5	$50,000	Yes	Enhance small wetlands for USFWS.
Buffalo Lake WMA Wetland Restoration	Murray	10739207	10	$50,000	Yes	Restore small wetlands for MNDNR.
Devils Run WPA	Murray	10639206	28	$200,000	Yes	Engineer and install new water control structure for USFWS
Shetek WMA - Robbins Slough Enhancement	Murray	10840222	245	$350,000	Yes	Engineer and install water control structure for MNDNR
Shetek WMA - Round Lake Enhancement	Murray	10840221	171	$200,000	Yes	Engineer and install new water control structure for MNDNR.
Slaughter Slough WPA	Murray	10740211	20	$125,000	Yes	Engineer and restore small wetlands for USFWS
Swan Lake WMA - Small Wetlands	Nicollet	10928206	10	$150,000	Yes	Enhance and restore small wetlands for DNR
Bloom WPA	Nobles	10441220	4	$20,000	Yes	Engineer and restore small wetlands for USFWS
Graham Lake WPA	Nobles	10439220	14	$70,000	Yes	Engineer and restore small wetlands for USFWS
Lake Bella WPA	Nobles	10140227	1	$5,000	Yes	Engineer and restore small wetlands for USFWS
Worthington WPA	Nobles	10240224	2	$20,000	Yes	Enhance small wetlands for USFWS.
Backstrom WPA - Small Wetlands	Otter Tail	13543208	3	$40,000	Yes	Enhance small wetlands for USFWS
Baumann WPA	Otter Tail	13237205	5	$50,000	Yes	Enhance small wetlands for USFWS.
Duenow WPA	Otter Tail	13442233	3	$20,000	Yes	Enhance small wetlands for USFWS
Erhard's Grove WPA - Small Wetlands	Otter Tail	13543228	2	$140,000	Yes	Enhance small wetlands for USFWS
Fitzgerald WPA	Otter Tail	13743208	2	$40,000	Yes	Enhance small wetlands for USFWS.
Gardner WPA	Otter Tail	13644203	1	$15,000	Yes	Enhance small wetlands for USFWS.
Grady Mann WPA	Otter Tail	13144228	3	$140,000	Yes	Enhance small wetlands for USFWS.
Haiby WPA	Otter Tail	13644212	5	$50,000	Yes	Enhance small wetlands for USFWS.
Jorgenson WPA	Otter Tail	13144203	6	$15,000	Yes	Enhance small wetlands for USFWS.
Knobel Lake WPA - Small Wetlands	Otter Tail	13543229	1	$145,000	Yes	Enhance small wetlands for USFWS
Nelson WPA	Otter Tail	13743206	1	$30,000	Yes	Enhance small wetlands for USFWS.

Pelican Valley WPA	Otter Tail	13543204	3	$20,000	Yes	Enhance small wetlands for USFWS.
Rokes WPA	Otter Tail	13337220	5	$50,000	Yes	Enhance small wetlands for USFWS.
Simpson WPA	Otter Tail	13643235	5	$50,000	Yes	Enhance small wetlands for USFWS.
Stange Lake WPA - Small Wetlands	Otter Tail	13242210	2	$75,000	Yes	Enhance small wetlands for USFWS.
Tweeton WPA	Otter Tail	13743207	1	$35,000	Yes	Enhance small wetlands for USFWS.
Clarke WPA	Polk	14941207	5	$50,000	Yes	Enhance small wetlands for USFWS.
Hill River WPA	Polk	14841201	5	$50,000	Yes	Enhance small wetlands for USFWS.
Lepier WPA	Polk	14740206	10	$100,000	Yes	Enhance small wetlands for USFWS.
Mcintosh WPA	Polk	14841216	1	$10,000	Yes	Enhance small wetlands for USFWS.
Glenwood WPA	Pope	12537234	15	$100,000	Yes	Enhance small wetlands for USFWS
Grove Lake WPA	Pope	12536228	10	$100,000	Yes	Enhance small wetlands for USFWS
Jorgenson WPA	Pope	12639202	10	$10,000	Yes	Enhance small wetlands for USFWS.
Mattson WPA	Pope	12640210	7	$50,000	Yes	Enhance small wetlands for USFWS.
Ouren WPA	Pope	12437232	5	$160,000	Yes	Enhance small wetlands for USFWS.
Stenson Lake WPA	Pope	12438223	4	$115,000	Yes	Enhance small wetlands for USFWS.
Wall WPA	Pope	12437218	9	$90,000	Yes	Enhance small wetlands for USFWS.
Daubs Lake Enhancement	Redwood	11137211	175	$250,000	Yes	Engineer and install water control structure for DNR
Westline WMA	Redwood	11139213	200	$200,000	Yes	Engineer and install water level control structure for MNDNR
Beaver Falls WMA - Wetland Enhancement	Renville	11335223	30	$250,000	Yes	Engineer and install new water control structure for MNDNR.
Boon Lake Enhancement	Renville	11631205	858	$500,000	Yes	Engineer and install a water control structure and permanent pump for MNDNR
Preston Lake WPA	Renville	11531227	7	$70,000	Yes	Enhance small wetlands for USFWS.
Wang WPA	Renville	11638219	4	$40,000	Yes	Enhance small wetlands for USFWS.
St. Olaf - Big Pond Enhancement	Rice	11220235	10	$100,000	Yes	Engineer and install water control structure for FWS
MN Valley NWR - Louisville Swamp Enhancement	Scott	11423205	75	$500,000	Yes	Engineer and install new water control structure for USFWS.
Sherburne NWR - Iron Pool Enhancement	Sherburne	03527216	25	$250,000	Yes	Engineer and install new water control structure for USFWS.

Sherburne NWR - Pool 31 Enhancement	Sherburne	03527228	30	$250,000	Yes	Engineer and install new water control structure for USFWS.
Sherburne NWR - West Carpenter Pool Enhancement	Sherburne	03528226	70	$300,000	Yes	Engineer and install new water control structure for USFWS.
Ward Lake WMA	Sibley	11330204	5	$20,000	Yes	Water control structure work and additional small wetlands
Washington Lake Enhancement	Sibley	11426215	600	$500,000	Yes	Engineer and install new water control structure for MNDNR.
Ashley WPA	Stearns	12635229	20	$200,000	Yes	Enhance small wetlands for USFWS.
Collegeville WPA	Stearns	12430234	3	$30,000	Yes	Enhance small wetlands for USFWS.
Crow River WMA Enhancement	Stearns	12334228	77	$300,000	Yes	Engineer and install water control structure for DNR
Padua WPA	Stearns	12535206	10	$10,000	Yes	Enhance small wetlands for USFWS.
Pope WPA	Stearns	12535207	5	$50,000	Yes	Enhance small wetlands for USFWS.
Prairie Storm WPA	Stearns	12535219	5	$50,000	Yes	Enhance small wetlands for USFWS.
USFWS Easement - 181X	Stearns	12632232	38	$200,000	Yes	Engineer and install water control structure for FWS
Uhlenkolts Lake WPA	Stearns	12532208	2	$20,000	Yes	Enhance small wetlands for USFWS.
Whitney WPA	Stearns	12635211	20	$200,000	Yes	Enhance small wetlands for USFWS.
Zehrer WPA	Stearns	12634205	2	$20,000	Yes	Enhance small wetlands for USFWS.
Straight River Marsh WPA	Steele	10520222	50	$500,000	Yes	Engineer and restore wetlands and prairie for USFWS
Edwards WPA - Small Wetlands	Stevens	12441208	1	$40,000	Yes	Enhance small wetlands for USFWS
Long Lake WPA	Stevens	12441203	3	$15,000	Yes	Enhance small wetlands for USFWS.
Pepperton WPA	Stevens	12543214	1	$10,000	Yes	Enhance small wetlands for USFWS
Johnson Lake Enhancement	Swift	12239217	179	$500,000	Yes	Enhance shallow lake with water control structure for MNDNR
Loen WPA - Small Wetlands	Swift	12238207	3	$15,000	Yes	Enhance small wetlands for USFWS.
Svor WPA	Swift	12238217	5	$85,000	Yes	Enhance small wetlands for USFWS.
Aurzada Prairie WMA	Todd	12735208	5	$50,000	Yes	Engineer and install water control structure for DNR
Terfehr WPA	Todd	12735208	3	$40,000	Yes	Enhance small wetlands for USFWS.
West Union WMA	Todd	12735209	30	$250,000	Yes	Engineer and install water control structure for DNR
Diekmann WPA - Small Wetlands	Traverse	12548235	2	$75,000	Yes	Enhance small wetlands for USFWS
Gibson WPA - Small Wetlands	Traverse	12548233	1	$165,000	Yes	Enhance small wetlands for USFWS

Jenk WPA - Small Wetlands	Traverse	12548235	1	$175,000	Yes	Enhance small wetlands for USFWS
Murphy WPA	Traverse	12548236	1	$180,000	Yes	Enhance small wetlands for USFWS.
Pederson WPA	Traverse	12548206	3	$30,000	Yes	Enhance small wetlands for USFWS.
Robinhood WPA	Traverse	12548217	15	$85,000	Yes	Enhance small wetlands for USFWS.
Keystone Woods WMA - Wetland Enhancement	Washington	03120218	125	$750,000	Yes	Wetland enhancement for DNR on Keystone Woods WMA after purchase by TPL.
Sulem WMA	Watonwan	10533205	226	$500,000	Yes	Engineer and install water level control structure for MNDNR
Angus Lake WPA	Wright	12126236	22	$220,000	Yes	Enhance small wetlands for USFWS.
Annandale WPA	Wright	12127232	5	$100,000	Yes	Enhance small wetlands for USFWS.
Corinna WPA	Wright	12127213	5	$100,000	Yes	Enhance small wetlands for USFWS.
Pelican Lake WPA - Small wetlands	Wright	12125236	15	$200,000	Yes	Enhance small wetlands for USFWS.
Dakota WPA	Yellow Medicine	11446205	20	$200,000	Yes	Enhance small wetlands for USFWS
Kontz WPA	Yellow Medicine	11546231	10	$100,000	Yes	Enhance small wetlands for USFWS
Spellman WMA - Miedd Lake	Yellow Medicine	11441223	50	$100,000	Yes	Engineer and install water control structure for MN DNR

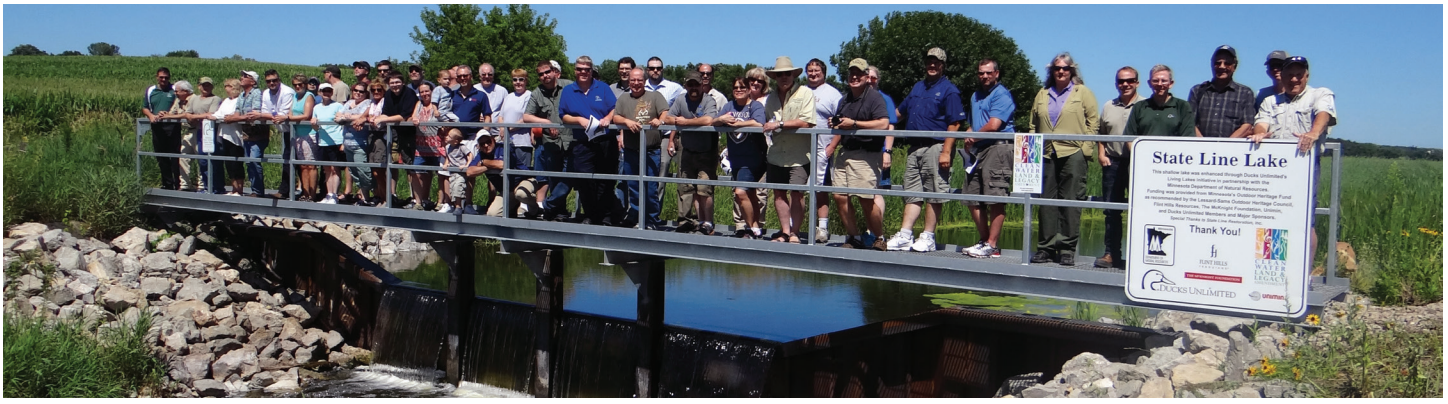
Parcel Map


Kittson
Roseau
Lake of the Woods
Marshall
Koochiching
Pennington
Beltrami
Red Lake
Polk
Clearwater
Saint Louis
Itasca
Norman
Mahnomen
Hubbard
Clay
Becker
Cass
Wadena
Aitkin
Carlton
Crow Wing
Wilkin
Otter Tail
Todd
Pine
Morrison
Grant
Douglas
Mille Lacs
Kanabec
Traverse
Benton
Stevens
Pope
Stearns
Isanti
Chisago
Sherburne
Big Stone
Swift
Anoka
Kandiyohi
Meeker
Wright
Lac Qui Parle
Chippewa
Hennepin
Ramsey
Washington
McLeod
Carver
Yellow Medicine
Renville
Scott
Dakota
Sibley
Lincoln
Lyon
Redwood
Nicollet
Le Sueur
Rice
Goodhue
Brown
Pipestone
Murray
Cottonwood
Watonwan
Blue Earth
Waseca
Steele
Dodge
Olmsted
Rock
Nobles
Jackson
Martin
Faribault
Freeborn
Mower
0
15
30
45 mi
Protect in Easement
Protect in Fee with PILT
Protect in Fee W/O PILT
Restore
Enhance
Other

LIVING SHALLOW LAKE ENHANCEMENT & WETLAND RESTORATION INITIATIVE

Proposal Request: $14,975,000

Proposal Abstract: This Phase 12 request for Ducks Unlimited's Living Lakes program will enhance or restore 2,400 acres of wetlands and adjacent prairie grasslands for the U.S. Fish & Wildlife Service, Minnesota DNR, and other partners on public lands and private lands under permanent USFWS easement. Where required, DU engineers will design water control structures to restore wetland hydrology and allow active management of shallow lake water levels to enhance their ecology for ducks, other wildlife, and people, primarily in Minnesota's Prairie Pothole Region. DU staff design restoration and enhancement projects and hire private contractors to implement enhancement and restoration activities.

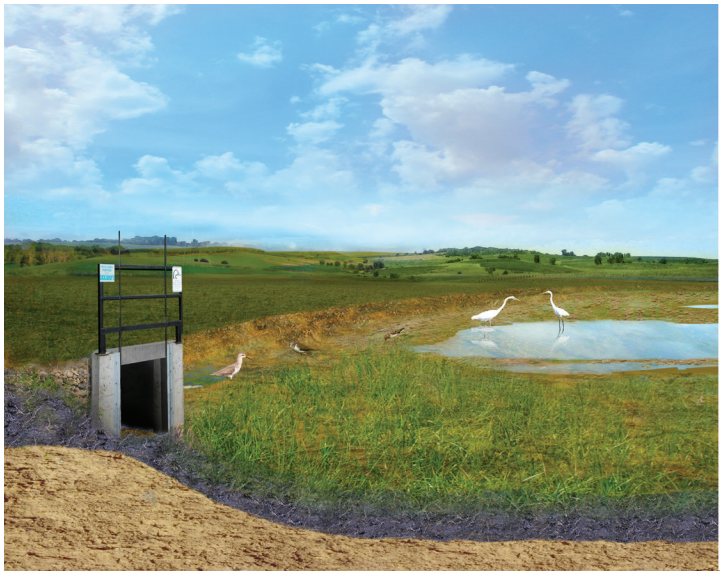


DUCKS UNLIMITED | LIVING LAKES

LIVING LAKES STAGES OF ENHANCEMENT

Stage 1

Pre-enhancement turbid water state typical of many shallow lakes located in the prairie and transition zones of Minnesota and Iowa. Note the lack of rooted aquatic plants resulting from stagnant high water levels, as well as the presence of undesirable fish and lack of upland perennial cover creating both internal and external nutrient loading. This condition is exacerbated by above-average precipitation patterns, increased drainage, and connectivity within the watershed. Lakes in this turbid water condition provide poor waterfowl and wildlife habitat and impaired water quality.



Stage 2

Once the physical and legal means are in place, a drawdown is a common management practice used to shift shallow lakes from a turbid water state to a clear water state. Note sediment consolidation and the re-growth of rooted aquatic plants from the natural seed bank. Drawdown also helps control undesirable fish populations. A DU designed and constructed water control structure, such as the one illustrated above, will allow agency managers to manipulate water levels to enhance water quality and wildlife habitat. Upland restoration also helps improve habitat and sustain water quality improvements.

Stage 3

Post management drawdown clear water state typical of a healthy shallow lake system. Note the restored water levels and water quality, abundance of rooted aquatic plants, invertebrate response, and overall wildlife habitat improvement. When conditions in a managed shallow lake deteriorate over time, the water control structure, such as the one illustrated above, can be managed in accordance with a lake specific comprehensive management plan to help maintain and improve habitat conditions and water quality.

Special Note: A managed drawdown mimics natural water level fluctuation such as temporary drought conditions, which are necessary for a healthy shallow lake much like fire is to native prairie.