Lessard-Sams Outdoor Heritage Council
Laws of Minnesota 2012 Final Report

Date: March 28, 2016

Program or Project Title: Living Shallow Lakes and Wetlands Initiative , Phase II

Funds Recommended: $4,490,000

Manager's Name: Jon Schneider
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Legislative Citation: ML 2012, Ch. 264, Art. 1, Sec. 2, Subd. 4(d)

Appropriation Language: $4,490,000 in the second year is to the commissioner of natural resources for an agreement with Ducks Unlimited to assess, restore, and enhance shallow lakes and wetlands, including technical assistance, survey, design, and engineering to develop new enhancement and restoration projects for future implementation. A list of proposed restorations and enhancements must be provided as part of the required accomplishment plan.

County Locations: Becker, Big Stone, Blue Earth, Cottonwood, Freeborn, Grant, Jackson, Kandiyohi, Lincoln, Lyon, McLeod, Murray, Otter Tail, Sibley, Stearns, Wadena, and Wright.

Regions in which work will take place:

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

Activity types:

- Restore
- Enhance

Priority resources addressed by activity:

- Wetlands

Abstract:

Phase 2 of Ducks Unlimited's ongoing engineering program restored and enhanced shallow lakes and wetlands by installing water level control structures to improve aquatic plant abundance and water clarity in partnership with the Minnesota DNR and U.S. Fish & Wildlife Service. Ducks Unlimited engineered and completed 20 projects, including 3 wetland restorations and 17 shallow lake enhancements. In all, this work restored 150 wetland acres and enhanced 2,936 shallow lake acres for a total of 3,086 wetland acres completed, surpassing our goals and spending all the state funds appropriated while providing $839,300 in non-state funding as leverage, well-beyond our proposal.

Design and scope of work:

This grant was Phase 2 of Ducks Unlimited's ongoing engineering program restored and enhanced shallow lakes and wetlands by installing water level control structures to improve aquatic plant abundance and water clarity in partnership with the Minnesota DNR and U.S. Fish & Wildlife Service. Ducks Unlimited engineered and successfully completed 20 wetland projects through this appropriation, including 3 wetland restorations and 17 shallow lake enhancements. In all, this work restored 150 wetland acres and

enhanced 2,936 shallow lake acres for a total of 3,086 wetland acres completed, surpassing our goals and spending all the state funds appropriated while providing $839,300 in non-state funding as leverage, well-beyond the goals in our proposal and accomplishment plan.

Minnesota has lost approximately 90% of our prairie wetlands, and many wetlands in other ecoregions of the state, to drainage. The shallow lakes and large marshes that remain now serve as the core of Minnesota's remaining waterfowl habitat complexes, and are often those basins that were too deep to drain. These remaining wetlands now receive excessive water and nutrient runoff from a highly altered and intensively drained landscape, and are easily accessed by invasive fish such as common carp. As a result, many basins are now turbid and degraded due to high, stable water levels that allow carp and other invasive fish to proliferate and aquatic ecology to stagnate. The results is a lack of aquatic plants and invertebrates required to sustain migrating and breeding waterfowl, especially those species that rely on aquatic foods exclusively such as diving ducks.

As a result, ducks migrating through Minnesota on their way north to breed in spring find sparse aquatic food resources, much to their detriment further north, and also again in the fall when their passage through Minnesota appears briefer each year. Those waterfowl that remain here to breed find poor brood-rearing habitat, as shallow lakes and marshes have a paucity of high quality wetland habitat with abundant aquatic plants and invertebrate food resources on which young ducks rely. These factors have contributed to a decline in Minnesota's diverse waterfowl resources and, unfortunately, a decline in Minnesota's rich waterfowling traditions.

To remedy this situation, Ducks Unlimited's "Living Lakes Initiative" assists the Minnesota DNR, U.S. Fish & Wildlife Service, and other conservation partners to enhance and restore Minnesota's shallow lakes and wetlands. This grant supported Phase 2 of Ducks Unlimited's biological and engineering work to design and construct water control structures and fish barriers. DU biologists worked closely with Minnesota DNR Shallow Lakes Program biologists to assess wetland conditions and identify possible management solutions. DU biologists and engineers surveyed, designed, and constructed the water control infrastructure necessary for state and federal agency staff to actively manage water levels. Funding in this request also supported ongoing shallow lake technical assistance from DU biologists and engineers to assess, survey, and design future projects for implementation under future OHF appropriations.

Most enhancement work occured in the Prairie Region by design, as that is where waterfowl are in most need of habitat improvements. Structures are used by agency managers to simulate natural temporary drought cycles in shallow lakes and wetlands that rejuvenate the aquatic ecological process that produces abundant aquatic plants and invertebrates. These structures last for 30 or more years and are generally use by agency staff every 5-7 years to conduct periodic temporary draw-downs that are key to enhancing and maintaining highly productive wetlands. Importantly, DU also restored smaller wetlands on public and other protected land near shallow lakes. Shallow lakes were selected for enhancement by DNR and FWS managers, and generally enjoy strong support from the public for improvement. The Minnesota DNR holds public meetings to share information on the current condition and management plan for shallow lakes designated for wildlife management purposes.

Planning
Every statewide conservation plan recognizes the need for improving and protecting Minnesota's shallow lakes and associated wetlands for optimal wildlife habitat. The Minnesota DNR's Duck Recovery Plan is the most specific, calling for the active management of 1,800 shallow lakes and adding 64,000 restored wetlands to Minnesota's landscape. DU's Living Lakes Initiative supports this plan through a goal of improving 300 Minnesota shallow lakes in 10 years. Shallow lakes and wetlands are identified as critical habitat for several "Species of Greatest Conservation Need" listed in Minnesota's "Tomorrow's Habitat for the Wild & Rare: An Action Plan for Minnesota Wildlife", including lesser scaup, northern pintail, and trumpeter swan.

Importantly, Ducks Unlimited's Living Lakes Initiative directly address Minnesota's Statewide Conservation & Preservation Plan Habitat Recommendations #4 and #5 on pages 78 and 80, respectively, which calls for the restoration and protection of shallow lakes (page 78) and the restoration of land, wetlands, and watersheds (page 80). This program addresses the LSOHC priorities of wetland and shallow lake restoration and enhancement in the Prairie and Forest-Prairie Transition sections. Finally, the North American Waterfowl Management Plan's Prairie Pothole Joint Venture prioritizes the restoration and management of wetlands and shallow lakes through goals and objectives for improved brood-rearing and migration habitat for ducks. Many of the shallow lakes and wetlands prioritized for enhancement by DU are located within wetland habitat complexes identified by the US Fish & Wildlife Service's Strategic Habitat Conservation model and are high priority basins for both Service and Minnesota DNR field managers. DU shallow lake and wetland enhancement work is performed in close coordination and collaboration with either the Minnesota DNR or U.S. Fish & Wildlife Service, and these agencies assume all future management and operation responsibilities for water control structures designed and installed by DU.

Which LSOHC state-wide priorities are addressed in this proposal:

- Allow public access. This comes into play when all other things about the request are approximately equal
- Are ongoing, successful, transparent and accountable programs addressing actions and targets of one or more of the ecological sections
- Ensures activities for "protecting, restoring and enhancing" are coordinated among agencies, non profits and others while doing this important work

- Produce multiple enduring conservation benefits
- Provide Minnesotans with greater public access to outdoor environments with hunting, fishing and other outdoor recreation opportunities
- Restore or enhance habitat on state-owned WMAs, AMAs, SNAs, and state forests
- Use a science-based strategic planning and evaluation model to guide protection, restoration and enhancement, similar to the United States Fish and Wildlife Service's Strategic Habitat Conservation model

Which LSOHC section priorities are addressed in this proposal:

Prairie:

- Protect, enhance, or restore existing wetland/upland complexes, or convert agricultural lands to new wetland/upland habitat complexes
- Restore or enhance habitat on public lands
- Protect, restore, and enhance shallow lakes
- Protect, enhance, and restore migratory habitat for waterfowl and related species, so as to increase migratory and breeding success

Forest / Prairie Transition:

- Protect, enhance, and restore wild rice wetlands, shallow lakes, wetland/grassland complexes, aspen parklands, and shoreland that provide critical habitat for game and nongame wildlife
- Protect, enhance, and restore migratory habitat for waterfowl and related species, so as to increase migratory and breeding success

Northern Forest:

- Not Listed

Metro / Urban:

- Not Listed

Relationship to other funds:

- Environmental and Natural Resource Trust Fund

This grant complemented previous DU conservation work funded in the past by the Environment and Natural Resources Trust Fund. Funding for shallow lake and wetland enhancements and restorations is no longer funded by the Trust Fund, and although additional limited funding for DU conservation easements was appropriated in 2011 and completed in 2014. No funding from the Clean Water Fund or Parks and Trails Fund has been directly requested or received by DU.

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

Ducks Unlimited works in partnership with state DNR and federal Fish & Wildlife Service agencies who control and manage the land on which DU installs water control structures. Field biologists within the Minnesota DNR Section of Wildlife and U.S. Fish & Wildlife Service Wetland Management Districts manage the water control structures installed by DU, and monitor aquatic habitat improvements and wetland bird response. All future maintenance and operations costs will be paid for by DNR or US Fish & Wildlife Service.

Outcomes:

Programs in the northern forest region:

- Not Listed

How will they be measured and evaluated?

No work was performed in the Northern Forest Region.

Programs in forest-prairie transition region:

- Protected, restored, and enhanced nesting and migratory habitat for waterfowl, upland birds, and species of greatest conservation need
- Wetland and upland complexes will consist of native prairies, restored prairies, quality grasslands, and restored shallow lakes and wetlands

- The outcomes will be achieving 100 acres of restored wetlands in 5 or more basins towards the state's Duck Recovery Plan goal of 64,000 wetland basins restored, and the enhancement of at least 1,400 acres in 13 or more basins towards the state's Duck Recovery Plan goal of 1,800 managed shallow lakes. Shallow lake assessments of individual basin condition in terms of improvements in aquatic plant abundance and water clarity as compared to pre-project condition will also be conducted over time by DNR's shallow lakes program after basins are actively managed using water control structures designed and constructed through this grant, with specific results available in future years after this grant.

How will they be measured and evaluated?

Ducks Unlimited enhanced two shallow lakes in the Forest-Prairie Region, including 243-acre Cedar Lake in Stearns County near Sauk Centre and Yaeger Lake in Wadena County. In each case, DU engineered and installed water level control structures on the outlet of each lake, which Minnesota DNR used to lower water levels to induce a winterkill of invasive fish and improve the aquatic ecology of each basin. DNR subsequently conducted shallow lake program assessments of each lake to document improvements in the ecological condition of each basin, and DNR managers also observed and noted improvements in waterfowl use of each lake.

Programs in metropolitan urbanizing region:

- Not Listed

How will they be measured and evaluated?

DU enhanced 149 wetland acres on the Malardi State Wildlife Management Area in Wright County by engineering and installing a water level control structure on this shallow lake in the Metro Region. The Minnesota DNR subsequently used the structure to temporarily lower water levels to remove invasive fish, allow bottom sediments to consolidate and aquatic plants to germinate, and water quality to improve. After reflooding the basin, DNR seeded wild rice into the lake and documented shallow lake habitat improvements through a shallow lake program assessment survey.

Programs in prairie region:

- Improved condition of habitat on public lands
- Protected, restored, and enhanced habitat for waterfowl, upland birds, and species of greatest conservation need
- Protected, restored, and enhanced shallow lakes and wetlands
- This program will restore at least 100 wetland acres in 5 or more basins on public land and enhance at least 1,400 acres of wetlands and shallow lakes in 13 or more basins, mostly in the Prairie Section. This grant also supports ongoing shallow lake technical assistance from DU biologists and engineers to assess, survey, and design future projects for implementation under future OHF appropriations to ensure future wetland restoration and shallow lake enhancement projects are possible for the OHF to fund.

How will they be measured and evaluated?

Ducks Unlimited restored hydrology to three wetlands totaling 150 acres and enhanced the aquatic ecology of 14 shallow lakes in the Prairie Region. DU surveyed, engineered, and installed water control structures to restore wetland hydrology to previously drained basins on the Meeker WPA in Kandiyohi County, Erlandson WMA in Otter Tail County, and the Klinker WMA in Murray County. In addition, DU engineered and installed water level control structures on 14 shallow lakes to allow managers to temporarily lower water levels and enhance aquatic habitat by removing invasive fish, consolidating sediment and nutrients, and allowing aquatic plants to germinate.

Budget Spreadsheet

Final Budget line item reallocations are allowed up to 10% and do not need require an amendment to the Accomplishment Plan

Total Amount: $4,490,000

Budget and Cash Leverage

Budget Name	Request	Spent	Cash Leverage (anticipated)	Cash Leverage (received)	Leverage Source	Total (original)	Total (final)
Personnel	$1,125,000	$1,071,100	$337,500	$469,600	DU Private Funds, DU Private Funds and Federal Grants	$1,462,500	$1,540,700
Contracts	$3,000,000	$3,020,500	$100,000	$140,800	DU Private Funds and Federal Grants	$3,100,000	$3,161,300
Fee Acquisition w/ PILT	$0	$0	$0	$0		$0	$0
Fee Acquisition w/o PILT	$0	$0	$0	$0		$0	$0
Easement Acquisition	$0	$0	$0	$0		$0	$0
Easement Stewardship	$0	$0	$0	$0		$0	$0
Travel	$65,000	$72,500	$2,000	$73,500	DU Private Funds and Federal Grants	$67,000	$146,000
Professional Services	$70,000	$66,100	$5,000	$0		$75,000	$66,100
Direct Support Services	$0	$24,000	$0	$104,800	DU Private Funds and Federal Grants	$0	$128,800
DNR Land Acquisition Costs	$0	$0	$0	$0		$0	$0
Capital Equipment	$140,000	$136,600	$11,200	$40,800	DU Private Funds, DU Private Funds	$151,200	$177,400
Other Equipment/Tools	$45,000	$47,700	$1,000	$9,800	DU Private Funds	$46,000	$57,500
Supplies/Materials	$45,000	$51,500	$4,000	$0	DU Private Funds	$49,000	$51,500
DNR IDP	$0	$0	$0	$0		$0	$0
Total	$4,490,000	$4,490,000	$460,700	$839,300		$4,950,700	$5,329,300

Personnel

Position	FTE	Over # of years	Spent	Cash Leverage	Leverage Source	Total
DU Manager of Conservation Programs and Biologist - grant and program administration	0.30	3.00	$41,500	$18,200	DU Private Funds	$59,700
DU Bio-Engineering Conservation Staff - program and project delivery	2.00	2.00	$1,029,600	$451,400	DU Private Funds and Federal Grants	$1,481,000
Total	2.30	5.00	$1,071,100	$469,600		$1,540,700

Capital Equipment

Item Name	Spent	Cash Leverage	Leverage Source	Total
Portable Water Pump with Trailer, Diesel Tank etc	$98,000	$0		$98,000
Track Vehicle with Trailer for topographic surveying of wetalnds	$15,700	$7,400	DU Private Funds	$23,100
GPS Grade Survey Equipment - for elevational surveys of wetlands and shallow lake outlets	$22,900	$33,400	DU Private Funds	$56,300
Total	$136,600	$40,800		$177,400

Output Tables

Table 1a. Acres by Resource Type

Type	Wetlands (original)	Wetlands (final)	Prairies (original)	Prairies (final)	Forest (original)	Forest (final)	Habitats (original)	Habitats (final)	Total (original)	Total (final)
Restore	100	150	0	0	0	0	0	0	100	150
Protect in Fee with State PILT Liability	0	0	0	0	0	0	0	0	0	0
Protect in Fee W/O State PILT Liability	0	0	0	0	0	0	0	0	0	0
Protect in Easement	0	0	0	0	0	0	0	0	0	0
Enhance	1,400	2,936	0	0	0	0	0	0	1,400	2,936
Total	1,500	3,086	0	0	0	0	0	0	1,500	3,086

Table 2. Total Requested Funding by Resource Type

Type	Wetlands (original)	Wetlands (final)	Prairies (original)	Prairies (final)	Forest (original)	Forest (final)	Habitats (original)	Habitats (final)	Total (original)	Total (final)
Restore	$500,000	$719,000	$0	$0	$0	$0	$0	$0	$500,000	$719,000
Protect in Fee with State PILT Liability	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Protect in Fee W/O State PILT Liability	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Protect in Easement	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Enhance	$3,990,000	$3,771,000	$0	$0	$0	$0	$0	$0	$3,990,000	$3,771,000
Total	$4,490,000	$4,490,000	$0	$0	$0	$0	$0	$0	$4,490,000	$4,490,000

Table 3. Acres within each Ecological Section

Type	Metro Urban (original)	Metro Urban (final)	Forest Prairie (original)	Forest Prairie (final)	SE Forest (original)	SE Forest (final)	Prairie (original)	Prairie (final)	N Forest (original)	N Forest (final)	Total (original)	Total (final)
Restore	0	0	0	0	0	0	100	150	0	0	100	150
Protect in Fee with State PILT Liability	0	0	0	0	0	0	0	0	0	0	0	0
Protect in Fee W/O State PILT Liability	0	0	0	0	0	0	0	0	0	0	0	0
Protect in Easement	0	0	0	0	0	0	0	0	0	0	0	0
Enhance	149	149	0	627	0	0	867	2,160	384	0	1,400	2,936
Total	149	149	0	627	0	0	967	2,310	384	0	1,500	3,086

Table 4. Total Requested Funding within each Ecological Section

Type	Metro Urban (original)	Metro Urban (final)	Forest Prairie (original)	Forest Prairie (final)	SE Forest (original)	SE Forest (final)	Prairie (original)	Prairie (final)	N Forest (original)	N Forest (final)	Total (original)	Total (final)
Restore	$0	$0	$0	$0	$0	$0	$500,000	$719,000	$0	$0	$500,000	$719,000
Protect in Fee with State PILT Liability	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Protect in Fee W/O State PILT Liability	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Protect in Easement	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Enhance	$250,000	$134,300	$0	$266,200	$0	$0	$3,590,000	$3,370,500	$150,000	$0	$3,990,000	$3,771,000
Total	$250,000	$134,300	$0	$266,200	$0	$0	$4,090,000	$4,089,500	$150,000	$0	$4,490,000	$4,490,000

Target Lake/Stream/River Feet or Miles (original)

0

Target Lake/Stream/River Feet or Miles (final)

0

Parcel List

Section 1 - Restore / Enhance Parcel List

Becker

Name	TRDS	Acres	Total Cost	Existing Protection?	Description
Anderson WPA	13942201	108	$292,400	Yes	Install water control structure

Big Stone

Name	TRDS	Acres	Total Cost	Existing Protection?	Description
Klages WMA - Lake 14	12144207	48	$200,000	Yes	Install water control structure

Blue Earth

Name	TRDS	Acres	Total Cost	Existing Protection?	Description
Hobza WMA - Spring Lake	10625215	134	$144,800	Yes	Install water control structure

Cottonwood

Name	TRDS	Acres	Total Cost	Existing Protection?	Description
Banks WMA - Bolstad Slough	10535227	65	$80,500	Yes	Install water control structure

Freeborn

Name	TRDS	Acres	Total Cost	Existing Protection?	Description
State Line Lake	10122232	446	$300,000	Yes	Install water control structure

Grant

Name	TRDS	Acres	Total Cost	Existing Protection?	Description
Spink WPA - Hibrooten Lake	12843225	50	$53,600	Yes	Install water control structure

Jackson

Name	TRDS	Acres	Total Cost	Existing Protection?	Description
Teal Lake	10535227	91	$115,800	Yes	Install water control structure

Kandiyohi

Name	TRDS	Acres	Total Cost	Existing Protection?	Description
Henjum WPA	12136228	32	$94,900	Yes	Install water control structure
Meeker WPA	11833201	34	$210,800	Yes	Install water control structure

Lincoln

Name	TRDS	Acres	Total Cost	Existing Protection?	Description
Chen Bay WMA - Pickerel Lake	11045222	148	$200,000	Yes	Install water control structure and pump
Prairie Dell WMA	11345216	47	$125,500	Yes	Install water control structure
Shaokatan WMA - Biggs Lake	11146204	128	$181,700	Yes	Install water control structure

Lyon

Name	TRDS	Acres	Total Cost	Existing Protection?	Description
Black Rush Lake WPA	11042216	332	$200,000	Yes	Install water control structure

McLeod

Name	TRDS	Acres	Total Cost	Existing Protection?	Description
RasLyn WMA - Eagle Lake	11530204	409	$200,000	Yes	Install water control structure

Murray

Name	TRDS	Acres	Total Cost	Existing Protection?	Description
Klinker WMA - Miller Tract	10743210	86	$312,100	Yes	Install dike and water control structure

Otter Tail

Name	TRDS	Acres	Total Cost	Existing Protection?	Description
Erlandson WMA	13143225	30	$172,200	Yes	Install water control structure

Sibley

Name	TRDS	Acres	Total Cost	Existing Protection?	Description
Windot WMA - Sand Lake	11230224	122	$208,700	Yes	Install water control structure

Stearns

Name	TRDS	Acres	Total Cost	Existing Protection?	Description
Cedar Lake	12734201	243	$100,000	Yes	Install water control structure

Wadena

Name	TRDS	Acres	Total Cost	Existing Protection?	Description
Yaeger WMA	13734203	384	$148,800	Yes	Install water control structure

Wright

Name	TRDS	Acres	Total Cost	Existing Protection?	Description
Malardi WMA	11926225	149	$128,200	Yes	Install water control structure

Section 2 - Protect Parcel List

No parcels with an activity type protect.

Section 2a - Protect Parcel with Bldgs

No parcels with an activity type protect and has buildings.

Section 3 - Other Parcel Activity

No parcels with an other activity type.

Completed Parcel: Anderson WPA

# of Total Acres:	108
County:	Becker
Township:	139
Range:	42
Direction:	2
Section:	01
# of Acres: Wetlands/Upland:	108
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	
Amount of Shorline:	
Name of Adjacent Body of Water (if applicable):	
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	$0

Completed Parcel: Banks WMA - Bolstad Slough

# of Total Acres:	65
County:	Cottonwood
Township:	105
Range:	35
Direction:	2
Section:	27
# of Acres: Wetlands/Upland:	65
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	
Amount of Shorline:	
Name of Adjacent Body of Water (if applicable):	Bolstad Slough
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	$80,500

Completed Parcel: Black Rush Lake WPA

# of Total Acres:	332
County:	Lyon
Township:	110
Range:	42
Direction:	2
Section:	16
# of Acres: Wetlands/Upland:	332
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	
Amount of Shorline:	
Name of Adjacent Body of Water (if applicable):	
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	$0

Completed Parcel: Cedar Lake

# of Total Acres:	243
County:	Stearns
Township:	127
Range:	34
Direction:	2
Section:	01
# of Acres: Wetlands/Upland:	243
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	
Amount of Shorline:	
Name of Adjacent Body of Water (if applicable):	
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	$0

Completed Parcel: Chen Bay WMA - Pickerel Lake

# of Total Acres:	148
County:	Lincoln
Township:	110
Range:	45
Direction:	2
Section:	22
# of Acres: Wetlands/Upland:	148
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	
Amount of Shorline:	
Name of Adjacent Body of Water (if applicable):	Pickerel Lake
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	$200,000

Completed Parcel: Erlandson WMA

# of Total Acres:	30
County:	Otter Tail
Township:	131
Range:	43
Direction:	2
Section:	25
# of Acres: Wetlands/Upland:	30
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	
Amount of Shorline:	
Name of Adjacent Body of Water (if applicable):	
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	$0

Completed Parcel: Henjum WPA

# of Total Acres:	32
County:	Kandiyohi
Township:	121
Range:	36
Direction:	2
Section:	28
# of Acres: Wetlands/Upland:	32
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	
Amount of Shorline:	
Name of Adjacent Body of Water (if applicable):	
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	$0

Completed Parcel: Hobza WMA - Spring Lake

# of Total Acres:	134
County:	Blue Earth
Township:	106
Range:	25
Direction:	2
Section:	15
# of Acres: Wetlands/Upland:	134
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	
Amount of Shorline:	
Name of Adjacent Body of Water (if applicable):	Spring Lake
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	$144,800

Completed Parcel: Klages WMA - Lake 14

# of Total Acres:	48
County:	Big Stone
Township:	121
Range:	44
Direction:	2
Section:	07
# of Acres: Wetlands/Upland:	48
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	
Amount of Shorline:	
Name of Adjacent Body of Water (if applicable):	Lake 14
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	$200,000

Completed Parcel: Klinker WMA - Miller Tract

# of Total Acres:	86
County:	Murray
Township:	107
Range:	43
Direction:	2
Section:	10
# of Acres: Wetlands/Upland:	86
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	
Amount of Shorline:	
Name of Adjacent Body of Water (if applicable):	
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	$0

Completed Parcel: Malardi WMA

# of Total Acres:	149
County:	Wright
Township:	119
Range:	26
Direction:	2
Section:	25
# of Acres: Wetlands/Upland:	149
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	
Amount of Shorline:	
Name of Adjacent Body of Water (if applicable):	
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	$0

Completed Parcel: Meeker WPA

# of Total Acres:	34
County:	Kandiyohi
Township:	118
Range:	33
Direction:	2
Section:	01
# of Acres: Wetlands/Upland:	34
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	
Amount of Shorline:	
Name of Adjacent Body of Water (if applicable):	
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	$0

Completed Parcel: Prairie Dell WMA

# of Total Acres:	47
County:	Lincoln
Township:	113
Range:	45
Direction:	2
Section:	16
# of Acres: Wetlands/Upland:	47
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	
Amount of Shorline:	
Name of Adjacent Body of Water (if applicable):	
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	$0

Completed Parcel: RasLyn WMA - Eagle Lake

# of Total Acres:	409
County:	McLeod
Township:	115
Range:	30
Direction:	2
Section:	04
# of Acres: Wetlands/Upland:	409
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	
Amount of Shorline:	
Name of Adjacent Body of Water (if applicable):	
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	$0

Completed Parcel: Shaokatan WMA - Biggs Lake

# of Total Acres:	128
County:	Lincoln
Township:	111
Range:	46
Direction:	2
Section:	04
# of Acres: Wetlands/Upland:	128
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	
Amount of Shorline:	
Name of Adjacent Body of Water (if applicable):	
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	$0

Completed Parcel: Spink WPA - Hibrooten Lake

# of Total Acres:	50
County:	Grant
Township:	128
Range:	43
Direction:	2
Section:	25
# of Acres: Wetlands/Upland:	50
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	
Amount of Shorline:	
Name of Adjacent Body of Water (if applicable):	Hibrooten Lake
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	$53,600

Completed Parcel: State Line Lake

# of Total Acres:	446
County:	Freeborn
Township:	101
Range:	22
Direction:	2
Section:	32
# of Acres: Wetlands/Upland:	446
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	
Amount of Shorline:	
Name of Adjacent Body of Water (if applicable):	State Line Lake
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	$300,000

Completed Parcel: Teal Lake

# of Total Acres:	91
County:	Jackson
Township:	105
Range:	35
Direction:	2
Section:	27
# of Acres: Wetlands/Upland:	91
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	
Amount of Shorline:	
Name of Adjacent Body of Water (if applicable):	Teal Lake
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	$115,800

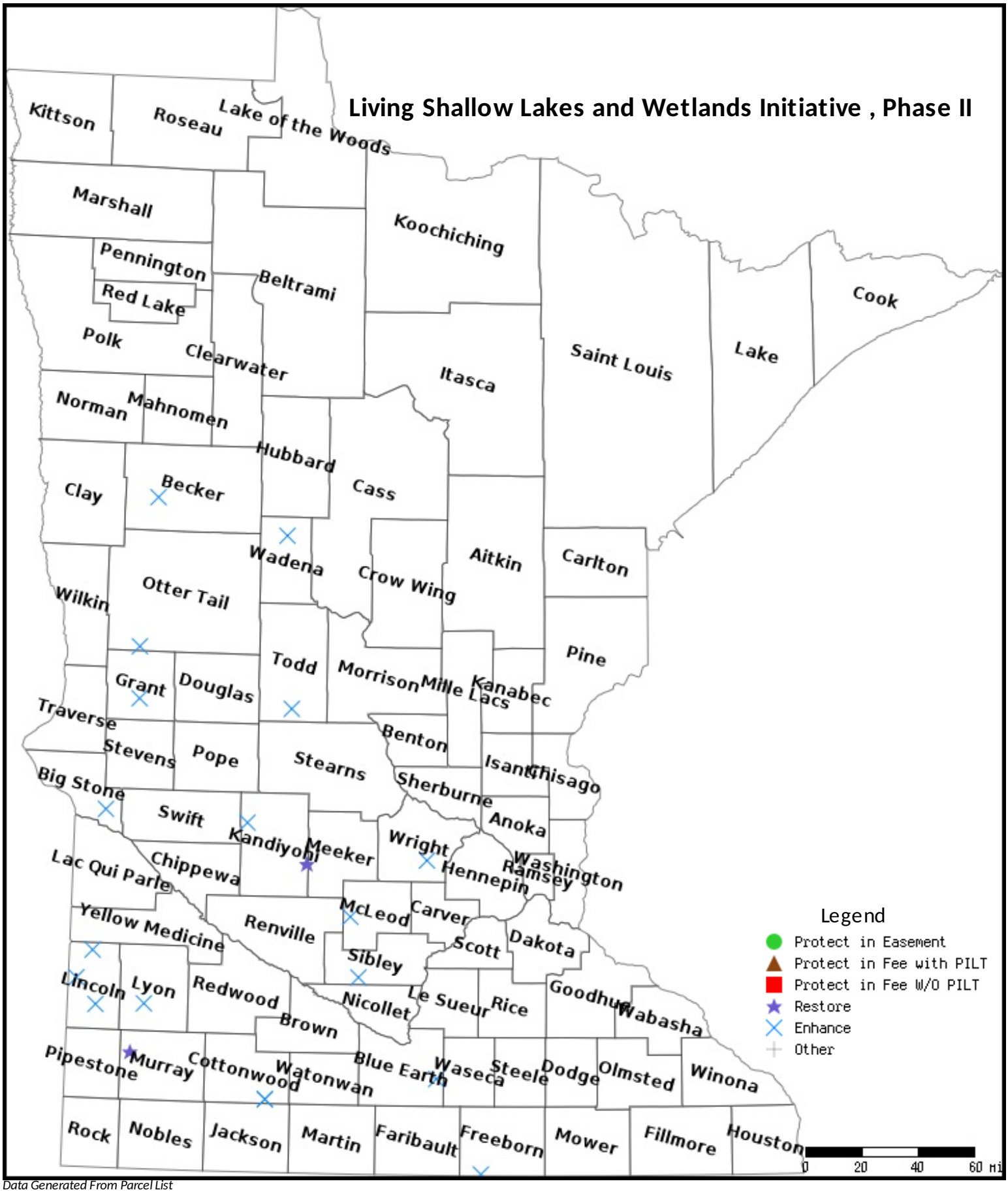
Completed Parcel: Windot WMA - Sand Lake

# of Total Acres:	122
County:	Sibley
Township:	112
Range:	30
Direction:	2
Section:	24
# of Acres: Wetlands/Upland:	122
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	
Amount of Shorline:	
Name of Adjacent Body of Water (if applicable):	Sand Lake
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	$208,700

Completed Parcel: Yaeger WMA

# of Total Acres:	384
County:	Wadena
Township:	137
Range:	34
Direction:	2
Section:	03
# of Acres: Wetlands/Upland:	384
# of Acres: Forest:	
# of Acres: Prairie/Grassland:	
Amount of Shorline:	
Name of Adjacent Body of Water (if applicable):	
Has there been signage erected at the site:	Yes
Total cost of Restoration/Enhancement:	$0

Parcel Map



Data Generated From Parcel List