

Duck Stamp Program Report

Nevada Department of Wildlife

June 2020



Photo, Steve Siegel; NDOW, Retired

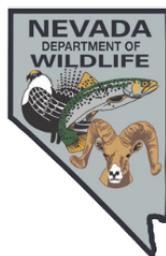


Table of Contents

	Page
Progress Report on Duck Stamp Projects Funded in FY 2020.....	1
Summary of Proposed FY 2021 Duck Stamp Projects (table)	4
Duck Stamp Account Budget Status (table).....	6
Proposed FY 2021 Duck Stamp Projects	8

Progress Report on Duck Stamp Projects Funded in FY 2020

Ducks Unlimited Wetlands Conservation Support

The Nevada Department of Wildlife (NDOW) donated \$10,000 to Ducks Unlimited (DU) during FY20 to help them implement the migratory bird projects that were developed as a result of the North American Waterfowl Management Plan. The projects primarily consist of wetland restoration, forage establishment and production, and the purchase of conservation easements in the prairie potholes regions of Saskatchewan and Alberta. Band return data show that these two Canadian provinces are the sources of a significant number of waterfowl that pass through Nevada each year. The prairie potholes region has the highest density of breeding ducks in all of North America.

Overton WMA Ponds Fence Project

The Overton WMA spans approximately 18,500 acres and 1,500 of these acres are intensely managed. The proposed fence would encompass Pintail and Wilson ponds. In FY 2019, NDOW along with Ducks Unlimited teamed up to enhance the topography of these two ponds. Levies were improved, along with contouring of the pond bottoms to improve habitat for migrating waterfowl and shore birds. The fence would exclude trespass cattle and wild donkeys in the area. These animals make it difficult to manage habitat for the migrating waterfowl and shore birds. They graze off much of the vegetation that is beneficial to the wildlife and damage the levees and swales that were incorporated into the construction of the ponds. The cattle also pose a safety hazard to area users.

The plan is to clear vegetation and purchase materials after nesting season. Work on the actual fence should occur starting in spring of 2021.

Mason Valley WMA Waterfowl Habitat Enhancement

The staff at the Mason Valley Wildlife Management Area (MVWMA) plant food plots and manage moist-soil units that provide forage for waterfowl throughout the year. Timing is the main driver when deciding what and where food sources will be planted. To date roughly \$13,807 of the \$15,000 approved under the Duck Stamp Program in FY20 have been spent on the project.

In the fall of 2019 the MVWMA staff planted a total of 15 acres of winter wheat and Austrian peas in the Mason Valley 9 unit and several smaller food plots throughout the WMA. Sixty acres in the Millet Plot unit were planted with Poco barley, short corn, and spring peas. Bufflehead Pond and Upper Pintail Ponds will be planted with millet, smart weed and other moist-soil vegetation in June of this year. The moist-soil units provide migrating waterfowl with high energy forage needed for the long flights during both spring and winter migrations.

Eastern WMA Complex Weed Control

To date 907 acres of invasive weeds have been treated on the Eastern Wildlife Management Area Complex. The removal of these weeds has improved wildlife habitat, increased user accessibility, and improved aesthetics on the Complex. It is anticipated this project will be completed by 6/30/2020. All remaining funds held in reserve for spring weed treatments will be used as described in the project proposal. It is estimated an additional 100-200 acres will be treated this May and June.

NDA grant has contributed \$16,885 so far. It is anticipated that grant will contribute an additional \$10,000 towards the project this fiscal year. WMA staff have utilized the Federal WMA grant to fund \$29,163 of in house weed treatment. \$10,000 from the Habitat Conservation Fee, the Upland Game Stamp Program, and the Duck Stamp Program were awarded in FY20 and have contributed significantly to the success of the project.

Assessing Avian Nesting Success at Carson Lake

With the Departure of Chris Nicolai as the Migratory Bird Biologist for USFWS Region 8, several key components of the Avian Nest Success project have changed. Chris was to provide in-kind services (Labor) for the project as well as serve as both representation for Nevada Waterfowl and as committee member to the graduate student that was to be used as the primary researcher. Due to the resulting delays this project will be closed and resubmitted by staff in the future.

Geo-Tube Dams for Regulating Water at Carson Lake

Geo-tubes for regulating water levels were purchased with other grant funds; changes in conditions at Carson Lake and the installation of the other geo-tubes have addressed the concerns this project was meant to alleviate. Therefore, this project will be closed and funds will remain in the Duck Stamp account.

Proposed Duck Stamp Projects for State Fiscal Year 2021

Title of Proposed Project	Project Manager	\$ Requested from Duck Stamp Account	Other Funding Sources (in-kind contributions not quantified)
Ducks Unlimited Wetlands Conservation Support (517)	Mike Zahradka	\$10,000	n/a
Eastern Complex Weed Control (510)	Adam Henriod	\$10,000	UGBS (\$10,000); HCF (\$10,000); NV Department of Agriculture (\$25,000); WMA System Grant (\$45,000)
Key Pittman WMA Wildlife Food Plots (527)	Andrew Coonen	\$2,600	WMA System Grant (\$15,100); UGBS (\$3,900)
Ducks Unlimited Wetland Enhancement Support at the Mason Valley Wildlife Management Area (538)	Isaac Metcalf	\$5,000	n/a
Mason Valley Wildlife Management Area Habitat Improvements (540)	Isaac Metcalf	\$10,000	n/a
Mason Valley Wildlife Management Area Water Control Structure Replacement (539)	Isaac Metcalf	\$12,500	n/a
Totals		\$50,100	\$109,000

Duck Stamp Account Budget Status

Balance in the Account at Start of FY 2020	\$ 222,629.71
Plus Estimated Revenue Accrued During FY 2020	\$ 74,952.75
Less Estimated Total FY 2020 Expenditures	(\$ 21,659.00)
Less Estimated Administrative Costs (10% of Revenue)	(\$ 7,495)
Estimated Balance at End of FY 2020 / Start of FY 2021	\$ 268,428.46
Plus Estimated Revenue to be Accrued During FY 2021	\$ 74,952.75
Less Estimated Administrative Costs (10% of Revenue)	(\$ 7,495)
Less Proposed New Project FY 2021 Expenditures	(\$60,100)
Estimated Balance at End of FY 2021	\$ 275,786.21

Notes: The budget information in this table is preliminary and subject to change. The amount of Duck Stamp revenue accrued during FY 2020 was not available when this report was prepared; therefore, the FY 2019 revenue number was used for both FY 2020 and 2021.



Wildlife Reserve Account Project Proposal

Project Summary

Project Name: Ducks Unlimited Wetlands Conservation Support
 Project Manager: Mike Zahradka Phone: 775-688-1563 Email: mzahradka@ndow.org
 Project Monitor: Mike Zahradka Start Date: 7/1/2020
 Implementation Lead: Ducks Unlimited End Date: 6/30/2021
 Partners: Ducks Unlimited
 Project Category: Habitat Protection
 Project Category: Conservation Easement
 Project Actions:
 Priority Resource: Small game
 Priority Species:
 County Location: Statewide
 General Location: Statewide

Project Funding Request

Funding Source	Amount Requested	Existing Budget Approval	In Kind Contribution
NDOW Duck Stamp	\$10,000		
Project Totals:	\$10,000		

Project Proposal

1. Brief Purpose and Goal of the Project

To help Ducks Unlimited (DU) protect, restore and enhance waterfowl habitat in the prairie potholes region of Alberta, Canada. This is very important breeding and nesting habitat for many of the waterfowl that travel to Nevada.

2. Project Approach and Tasks

DU has agreed to NDOW's request that the funds we donate be used on wetland enhancement projects in Alberta since banding data indicates that a fairly high percentage of waterfowl harvested in Nevada originate from that province. DU and its partners use the donations from NDOW and others to protect, restore and enhance wetlands in the prairie potholes region of Alberta. DU's partners in this region includes the Nature Conservancy of Canada, Wildlife Habitat Canada, the Alberta provincial government

and the federal government of Canada. This work is part of the ongoing implementation of the North American Waterfowl Management Plan.

3. Anticipated Beneficial Effects of the Project

Funds donated to DU are used to restore, enhance and protect waterfowl habitat in Alberta. In addition to directly benefiting waterfowl, this also indirectly benefits Nevada hunters by increasing or maintaining waterfowl populations in Nevada.

4. Project Schedule

This is an annual contribution to DU that uses the funds over the next year.

5. Required Clearance Activities and Schedule (NEPA, other permits, authorizations)

N/A

6. Monitoring Plan

Ducks Unlimited sends annual reports to the Department of accomplishments completed with these funds. These reports include types of projects completed such as conservation easements, land purchases and/or wetland rebuilds and amount of acres included for those activities.

7. Relationship to NDOW Plans, Policies, and Programs

This funding, consistent with the North American Waterfowl Management Plan and the North American Wetlands Conservation Act, will assist in the enhancement and maintenance of wetland habitats in Canada. These wetlands provide important habitat for migratory waterfowl, which in turn, migrate and stopover in Nevada and increase hunting opportunities. Funding this type of work is also consistent with the following portion of NDOW's mission: "To protect, preserve, manage and restore wildlife and its habitat for their aesthetic, scientific, educational, recreational and economic benefits to citizens of Nevada and the United States".

Special Reserve Account Project Cost Estimate Table

Name of Proposed Project: Ducks Unlimited Wetlands Conservation Support
Name of Proposed Project Manager: Mike Zahradka
Project ID: 517

Please provide a breakdown of your project's costs in the table below. Only include costs for the upcoming fiscal year for which you are applying. Only include in-kind services under item 7. NDOW personnel and travel expenses may not be covered by any of our Special Reserve Accounts - you must use alternative funding sources to cover these types of costs.

<i>Project Components</i>	<i>Costs to be Paid by NDOW Special Reserve Account(s)</i>	<i>Costs to be Paid by Other Sources</i>
1. Land Acquisitions		
2. Personnel Costs		
A. NDOW Personnel		
B. Other Personnel		
C. Total Personnel Costs	\$ -	\$ -
3. Travel Costs		
A. Per Diem		
B. Mileage		
C. Total Travel Costs	\$ -	\$ -
4. Equipment		
A.		
B.		
C. Total Equipment Costs	\$ -	\$ -
5. Materials		
A.		
B.		
C.		
D. Total Materials Costs	\$ -	\$ -
6. Miscellaneous		
A. DU Contribution	\$ 10,000.00	
B.		
C.		
D.		
F. Total Miscellaneous Costs	\$ 10,000.00	\$ -
7. In-Kind Services		
A.		
B.		
C. Total In-Kind Services	\$ -	\$ -
Subtotals	\$ 10,000.00	\$ -
Total Project Costs	\$	10,000.00



Wildlife Reserve Account Project Proposal

Project Summary

Project Name: Eastern Complex Weed Control
 Project Manager: Adam Henriod Phone: 775-289-1690 Email: ahenriod@ndow.org
 Project Monitor: Adam Henriod Start Date: 7/1/2020
 Implementation Lead: Nevada Department of Wildlife End Date: 6/30/2021
 Partners: Nevada Department of Wildlife
 Project Category: Habitat Restoration
 Project Category: Riparian, Spring or Meadow Habitat Improvement
 Project Actions: Herbicide application
 Priority Resource: General Habitat Improvement
 Priority Species:
 County Location: White Pine, Lincoln, Nye
 General Location: Steptoe WMA, Kirch WMA, Key Pittman WMA

Project Funding Request

Funding Source	Amount Requested	Existing Budget Approval	In Kind Contribution
NDOW Duck Stamp	\$10,000		
NDOW Habitat Conservation Fee	\$10,000		
NDOW Upland Game Stamp	\$10,000		
Nevada Department of Agriculture	\$25,000		
Wildlife Management Area System Grant	\$45,000		
Project Totals:	\$100,000		

Project Proposal

1. Brief Purpose and Goal of the Project

NDOW is mandated by state law to control listed noxious weeds found on our property. Removal of noxious and undesirable weeds improves appearance, public access, limits the spread of these weeds to

other areas and enhances wildlife habitat. The goal of this project is to remove noxious/invasive weeds such as Russian knapweed, hoary cress, perennial pepperweed, phragmites and Canada thistle found on the Steptoe Valley, Wayne E. Kirch and Key Pittman Wildlife Management Areas. This will be accomplished through the application of herbicides to noxious and invasive weeds in upland areas, riparian areas, parking lots and right of ways.

WMA staff has engaged heavily in efforts to eradicate invasive vegetation on these properties; however the magnitude of weed infestations currently outweighs employee's ability to provide the treatments needed to make long term impacts. This project seeks reserve account funding for additional resources to apply herbicide on Kirch WMA, Key Pittman WMA and Steptoe WMA.

2. Project Approach and Tasks

Awarded funds will be used to purchase herbicides and hire contract labor to maintain and enhance current weed control efforts on NDOW-managed wildlife management areas. In order to address increasing issues with weeds and given the substantial duties of NDOW staff related to tasks other than fighting weeds, we are in need of additional monies to contract out additional weed spraying to improve the effectiveness of weed control efforts. Tri-County Weed Control is most likely to be contracted to conduct the spraying.

Examples of specific tasks to be accomplished by this project are provided below.

A. Perennial pepperweed (*Lepidium lotifolium*), and hoary cress (*Cardaria draba*) will be treated in the spring and summer of 2021 by applying appropriate herbicides from ATV, truck, and backpack sprayers. The chemicals chosen for control of these species will be determined by the characteristics of the site and the life stage of the plant; all chemicals are applied according to their labels.

B. Ditches, water control structures, boating access points, parking lots and right-of-ways will be treated, as needed, in the summer of 2021 by applying glyphosate herbicide from ATV, truck, and backpack sprayers. Control of undesirable vegetation in ditches and water control structures is essential for water delivery to reservoirs, wetland impoundments, and irrigation of food plots.

C. Russian knapweed (*Acroptilon repens*), and Canada thistle (*Cirsium arvense*) will be treated in the fall of 2020 and spring of 2021 by applying appropriate herbicides from ATV, truck, and backpacks sprayers.

D. Vegetation on wetland impoundments and reservoirs will be treated, as needed, with aquatic approved herbicides. Primary focus will be on phragmites (*Phragmites australis*) removal on the Key Pittman WMA. Treatments on reservoirs will be completed using a boat mounted sprayer, wetland impoundments will be treated with an ATV sprayer. Treatment of emergent vegetation in these areas will improve feeding, resting, nesting, and brood rearing habitat for waterfowl.

3. Anticipated Beneficial Effects of the Project

There will be a major reduction in noxious and other types of invasive weed species at the treated areas, thus improving the quality of wildlife habitat.

Monitoring through yearly inspections will determine the effectiveness of treatments. Treated sites will be evaluated after application of herbicides to determine the effectiveness of the timing, method and chemicals chosen for the treatment. Effective treatments will show a significant die-off of targeted vegetation after treatment and reduced regrowth the following growing season. The vegetation control will improve habitat values and public access.

4. Project Schedule

This project is an ongoing, yearly habitat management activity. Herbicide treatments to vegetation on the WMAs will primarily occur in the late summer and fall of 2020 and the spring and summer of 2021. Please see the proposed tasks above for the timing of treatment for each type of targeted vegetation.

5. Required Clearance Activities and Schedule (NEPA, other permits, authorizations)

6. Monitoring Plan

Monitoring through yearly inspections will determine the effectiveness of treatments. Treated sites will be evaluated after application of herbicides to determine the effectiveness of the timing, method and chemicals chosen for the treatment. Effective treatments will show a significant die-off of targeted vegetation after treatment and reduced regrowth the following growing season. The vegetation control will improve habitat values and public access.

7. Relationship to NDOW Plans, Policies, and Programs

This program certainly falls within NDOW's general goal of maintaining and enhancing habitats. More specifically, the Conceptual Management Plans for the WMAs all contain goals and objectives such as the following: "Goal: Habitat is the key to the success of all wildlife populations. Effective habitat is an integral function of the Department of Wildlife. NDOW will preserve and protect quality habitat and enhance deficient habitats. Objective: Maintain, protect and enhance wildlife habitats on wildlife management areas (WMA's) by applying good science and best management practices through implementation of Comprehensive Management Plans."

Special Reserve Account Project Cost Estimate Table

Name of Proposed Project: Eastern Complex Weed Control
Name of Proposed Project Manager: Adam Henroid
Project ID: 510

Please provide a breakdown of your project’s costs in the table below. Only include costs for the upcoming fiscal year for which you are applying. Only include in-kind services under item 7. NDOW personnel and travel expenses may not be covered by any of our Special Reserve Accounts - you must use alternative funding sources to cover these types of costs.

<i>Project Components</i>	<i>Costs to be Paid by NDOW Special Reserve Account(s)</i>		<i>Costs to be Paid by Other Sources</i>
1. Land Acquisitions			
2. Personnel Costs			
A. NDOW Personnel			\$ 45,000.00
B. Other Personnel			
C. Total Personnel Costs	\$	-	\$ 45,000.00
3. Travel Costs			
A. Per Diem			
B. Mileage			
C. Total Travel Costs	\$	-	\$ -
4. Equipment			
A.			
B.			
C. Total Equipment Costs	\$	-	\$ -
5. Materials			
A. Herbicide	\$	4,000.00	
B.			
C.			
D. Total Materials Costs	\$	4,000.00	\$ -
6. Miscellaneous			
A. Tri-County Weed Control	\$	26,000.00	
B. NDA Grant Contributions			\$ 25,000.00
C.			
D.			
F. Total Miscellaneous Costs	\$	26,000.00	\$ 25,000.00
7. In-Kind Services			
A.			
B.			
C. Total In-Kind Services	\$	-	\$ -
Subtotals	\$	30,000.00	\$ 70,000.00
Total Project Costs	\$		100,000.00



Wildlife Reserve Account Project Proposal

Project Summary

Project Name: Key PittmanWMA Wildlife Food Plots
 Project Manager: Andrew Coonen Phone: Email: acoonen@ndow.org
 Project Monitor: Adam Henriod Start Date: 7/1/2020
 Implementation Lead: Nevada Department of Wildlife End Date: 6/30/2021
 Partners: Nevada Department of Wildlife
 Project Category: Habitat Restoration
 Project Category: Upland Habitat Improvement
 Project Actions: Drill seeding
 Priority Resource: Small game
 Priority Species: Waterfowl
 County Location: Lincoln
 General Location: Key Pittman WMA

Project Funding Request

Funding Source	Amount Requested	Existing Budget Approval	In Kind Contribution
NDOW Duck Stamp	\$2,600		
NDOW Upland Game Stamp	\$3,900		
Wildlife Management Area System Grant	\$15,100		
Project Totals:	\$21,600		

Project Proposal

1. Brief Purpose and Goal of the Project

The goal of this project is a measurable increase of wildlife use with increased hunter and public use and hunter success. This will be achieved by completing annual plantings and vegetation manipulation, in order to enhance existing habitat on the management area for the benefit of wildlife.

2. Project Approach and Tasks

On October first the food plot fields are mowed, disked, seed drilled (fall/winter cereal grains and legumes) and irrigated. At the same time the NW corner of the Frenchy Unit is mowed. In December and

January grass seed is broadcast or drilled in deficient habitats mostly created by noxious weed treatments or other mechanical disturbances such as fuel/fire breaks. In February or March the food plots are drilled again with additional cereal grains, forbs, legumes and sunflower. At this time the northern impoundments are drained. In June millet, sorghum, and sunflower is broadcast or drilled along portions of the pond edges. In mid-July grazing begins. In mid-August the desirable native vegetation (goose foot and alkali bulrush) has matured and the northern impoundments are mowed and filled with water. During the last week of August the food plots are strip mowed for the dove season. At the end of September the dove season ends and the grazing lease ends and the cycle starts again. Due to the extended dove season conflicting with the waterfowl season opener, the food plots have to be mowed, disked, seeded and irrigated prior to the waterfowl opener starting around October 1st. Approximately 60 acres of fields will be mowed, disked, drilled, and irrigated. Approximately 4 acres of wetland edge habitat will be seeded.

3. Anticipated Beneficial Effects of the Project

Benefits: The food plot program incorporates forbs, grasses, nitrogen fixing plants and cereal grains to provide forage for wildlife and maintain and/or improve the soil for better production, reduce noxious and invasive weeds and eliminate the need for commercial fertilizer. Results: Increased documented use of waterfowl, quail, dove, cottontail rabbit, and deer, improved harvest of game species and a reduced need for noxious and invasive weed control. Benefits to non-game species such as small mammals, raptors, song birds, reptiles and other species is another benefit of this project. The KPWMA Food Plot program is an ongoing, yearly habitat management activity. The results of food plots in FY21 will be evaluated for their effectiveness and benefit to wildlife and sportsmen.

4. Project Schedule

Schedule outlined in the project approach

5. Required Clearance Activities and Schedule (NEPA, other permits, authorizations)

None

6. Monitoring Plan

The KPWMA Food Plot program is an ongoing, yearly habitat management activity. The results of food plots in FY21 will be evaluated for their effectiveness and benefit to wildlife and sportsmen.

7. Relationship to NDOW Plans, Policies, and Programs

Annual habitat maintenance and enhancement is identified in all of the current WMA Conceptual Management Plans.

Desired Outcome: Wildlife habitats that are in good ecological condition, capable of supporting a diverse array of wildlife species.

Goal: Habitat is the key to the success of all wildlife populations. Effective habitat is an integral function of the Department of Wildlife. NDOW will preserve and protect quality habitat and enhance deficient habitats.

Objective: Maintain, protect and enhance wildlife habitats on wildlife management areas (WMA's) by applying good science and best management practices through implementation of Comprehensive Management Plans on all WMA's (Comprehensive Strategic Plan). Achieve an overall goal of no net loss of wetland area or function and the long-term goal to enhance and increase wetland quantity and quality within the WMA (Wetland Conservation Plan).

Special Reserve Account Project Cost Estimate Table

Name of Proposed Project: Key Pittman Wildlife Food Plots
Name of Proposed Project Manager: Andrew Coonen
Project ID: 527

Please provide a breakdown of your project’s costs in the table below. Only include costs for the upcoming fiscal year for which you are applying. Only include in-kind services under item 7. NDOW personnel and travel expenses may not be covered by any of our Special Reserve Accounts - you must use alternative funding sources to cover these types of costs.

<i>Project Components</i>	<i>Costs to be Paid by NDOW Special Reserve Account(s)</i>		<i>Costs to be Paid by Other Sources</i>
1. Land Acquisitions			
2. Personnel Costs			
A. NDOW Personnel			\$ 13,850.00
B. Other Personnel			
C. Total Personnel Costs	\$ -		\$ 13,850.00
3. Travel Costs			
A. Per Diem			
B. Mileage			
C. Total Travel Costs	\$ -		\$ -
4. Equipment			
A. Estimated Fuel and Maintenance			\$ 1,250.00
B.			
C. Total Equipment Costs	\$ -		\$ 1,250.00
5. Materials			
A. Seed - Upland account	\$ 3,900.00		
B. Seed - Duck stamp account	\$ 2,600.00		
C.			
D. Total Materials Costs	\$ 6,500.00		\$ -
6. Miscellaneous			
A.			
B.			
C.			
D.			
F. Total Miscellaneous Costs	\$ -		\$ -
7. In-Kind Services			
A.			
B.			
C. Total In-Kind Services	\$ -		\$ -
Subtotals	\$ 6,500.00		\$ 15,100.00
Total Project Costs	\$		21,600.00

leveled adding 40 more acres of desirable habitat for nesting and migrating waterfowl. The second stage of the project will add a discharge structure from Bufflehead Pond into the Joggles Ditch which will allow WMA managers to mimic the natural flood dry period of a functional wetland.

3. Anticipated Beneficial Effects of the Project

The ability to discharge water into the Joggles Ditch will allow water to be reused and sent to another wetland pond. Versatility of where and how much water will be used ultimately decreased the amount of water used and increase the amount of water that can be moved to other parts of the wetlands.

4. Project Schedule

NA

5. Required Clearance Activities and Schedule (NEPA, other permits, authorizations)

NA

6. Monitoring Plan

Bag check stations and survey cards will be used to collect data on hunter harvest and non consumptive use. Surveys will be used to monitor waterfowl and shore bird use in the moist soil units. Photo points will be used to track vegetation growth through out the year.

7. Relationship to NDOW Plans, Policies, and Programs

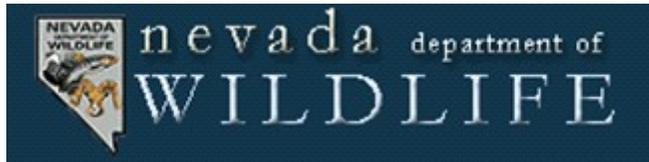
Annual habitat maintenance and enhancement is identified in all of the current WMA Conceptual Management Plans. Desired Outcome: Wildlife habitats that are in good ecological condition, capable of supporting a diverse array of wildlife species. Goal: Habitat is the key to the success of all wildlife populations. Effective habitat is an integral function of the Department of Wildlife. NDOW will preserve and protect quality habitat and enhance deficient habitats. Objective: Maintain, protect and enhance wildlife habitats on Wildlife Management Areas (WMAs) by applying good science and best management practices through implementation of Comprehensive Management Plans on all WMA's (from NDOW's Comprehensive Strategic Plan). Achieve an overall goal of no net loss of wetland area or function and the long-term goal is to enhance and increase wetland quantity and quality within the WMAs (NDOW's Wetland Conservation Plan).

**Special Reserve Account Project Cost Estimate
Table**

Name of Proposed Project: Ducks Unlimited Wetland Enhancement Support at the Mason Valley Wildlife Manag
Name of Proposed Project Manager: Isaac Metcalf
Project ID: 538

Please provide a breakdown of your project's costs in the table below. Only include costs for the upcoming fiscal year for which you are applying. Only include in-kind services under item 7. NDOW personnel and travel expenses may not be covered by any of our Special Reserve Accounts - you must use alternative funding sources to cover these types of costs.

<i>Project Components</i>	<i>Costs to be Paid by NDOW Special Reserve Account(s)</i>		<i>Costs to be Paid by Other Sources</i>
1. Land Acquisitions			
2. Personnel Costs			
A. NDOW Personnel			
B. Other Personnel			
C. Total Personnel Costs	\$	-	\$ -
3. Travel Costs			
A. Per Diem			
B. Mileage			
C. Total Travel Costs	\$	-	\$ -
4. Equipment			
A.			
B.			
C. Total Equipment Costs	\$	-	\$ -
5. Materials			
A. 167 ft of 36" HDPE culvert pipe	\$	5,000.00	
B.			
C.			
D. Total Materials Costs	\$	5,000.00	\$ -
6. Miscellaneous			
A.			
B.			
C.			
D.			
F. Total Miscellaneous Costs	\$	-	\$ -
7. In-Kind Services			
A.			
B.			
C. Total In-Kind Services	\$	-	\$ -
Subtotals	\$	5,000.00	\$ -
Total Project Costs	\$		5,000.00



Wildlife Reserve Account Project Proposal

Project Summary

Project Name: Mason Valley Wildlife Management Area Habitat improvements
 Project Manager: Isaac Metcalf Phone: 775-463-2741 Email: imetcalf@ndow.org
 Project Monitor: Mike Zahradka Start Date: 7/1/2020
 Implementation Lead: Nevada Department of Wildlife End Date: 6/30/2021
 Partners: Nevada Department of Wildlife
 Project Category: Habitat Restoration
 Project Category: Riparian, Spring or Meadow Habitat Improvement
 Project Actions: Drill seeding
 Priority Resource: General Habitat Improvement
 Priority Species: Waterfowl
 County Location: Lyon
 General Location: Mason Valley Wildlife Management Area Yerington Nevada

Project Funding Request

Funding Source	Amount Requested	Existing Budget Approval	In Kind Contribution
NDOW Duck Stamp	\$10,000		
Project Totals:	\$10,000		

Project Proposal

1. Brief Purpose and Goal of the Project

The purpose of this project is to enhance forage and cover for migrating waterfowl and shore birds. This project will increase the amount of available forage for migrating waterfowl and shorebirds after prescribed burn and mechanical treatments are completed at the Mason Valley WMA ponds. The MVWMA staff will plant up to 200 acres in moist soil units, huntable food plots, and emergent vegetation waterfowl ponds.

2. Project Approach and Tasks

Once water levels recede and prescribed burning and mechanical treatments are completed, the Mason Valley crew will drill plant a wetland-specific seed mix along islands and bare ground within the ponds. The ponds will be flooded periodically throughout the summer to establish germination of moist soil vegetation. The pond will be filled in the fall for migrating waterfowl and hunter access. Funds from the Duck Stamp account will be used to purchase a seed mix appropriate for wetlands while NDOW's Federal WMA Grant will be used to pay for NDOW staff time needed to implement the project.

3. Anticipated Beneficial Effects of the Project

Waterfowl and shore birds will be the primary beneficiaries. Mule deer and passerines will also benefit with the increased forage availability. Non-consumptive and consumptive WMA users will also benefit with more opportunities for wildlife viewing and hunting.

4. Project Schedule

NA

5. Required Clearance Activities and Schedule (NEPA, other permits, authorizations)

NA

6. Monitoring Plan

Waterfowl surveys conducted through out the year along with brood counts will be used to measure waterfowl response to seeding treatments. Hunter survey and bag checks will be conducted throughout the waterfowl hunting season.

7. Relationship to NDOW Plans, Policies, and Programs

Annual habitat maintenance and enhancement is identified in all of the current WMA Conceptual Management Plans. Desired Outcome: Wildlife habitats that are in good ecological condition, capable of supporting a diverse array of wildlife species. Goal: Habitat is the key to the success of all wildlife populations. Effective habitat is an integral function of the Department of Wildlife. NDOW will preserve and protect quality habitat and enhance deficient habitats. Objective: Maintain, protect and enhance wildlife habitats on Wildlife Management Areas (WMAs) by applying good science and best management practices through implementation of Comprehensive Management Plans on all WMA's (from NDOW's Comprehensive Strategic Plan). Achieve an overall goal of no net loss of wetland area or function and the long-term goal is to enhance and increase wetland quantity and quality within the WMAs (NDOW's Wetland Conservation Plan).

Special Reserve Account Project Cost Estimate Table

Name of Proposed Project: Masvon Valley Wildlife Management Area Habitat Improvements
Name of Proposed Project Manager: Isaac Metcalf
Project ID: 540

Please provide a breakdown of your project’s costs in the table below. Only include costs for the upcoming fiscal year for which you are applying. Only include in-kind services under item 7. NDOW personnel and travel expenses may not be covered by any of our Special Reserve Accounts - you must use alternative funding sources to cover these types of costs.

<i>Project Components</i>	<i>Costs to be Paid by NDOW Special Reserve Account(s)</i>	<i>Costs to be Paid by Other Sources</i>
1. Land Acquisitions		
2. Personnel Costs		
A. NDOW Personnel		
B. Other Personnel		
C. Total Personnel Costs	\$ -	\$ -
3. Travel Costs		
A. Per Diem		
B. Mileage		
C. Total Travel Costs	\$ -	\$ -
4. Equipment		
A.		
B.		
C. Total Equipment Costs	\$ -	\$ -
5. Materials		
A. seed mix	\$ 10,000.00	
B.		
C.		
D. Total Materials Costs	\$ 10,000.00	\$ -
6. Miscellaneous		
A.		
B.		
C.		
D.		
F. Total Miscellaneous Costs	\$ -	\$ -
7. In-Kind Services		
A.		
B.		
C. Total In-Kind Services	\$ -	\$ -
Subtotals	\$ 10,000.00	\$ -
Total Project Costs	\$	\$ 10,000.00

2. Project Approach and Tasks

To complete the project the old structures will be removed, ground leveled and packed, and new 30" structures and pipe will be placed. Rip rap will be used to secure the up and down stream openings.

3. Anticipated Beneficial Effects of the Project

Replacing the structures will allow WMA managers to conserve water that could be used at other locations on the WMA.

4. Project Schedule

NA

5. Required Clearance Activities and Schedule (NEPA, other permits, authorizations)

NA

6. Monitoring Plan

NA

7. Relationship to NDOW Plans, Policies, and Programs

Annual vegetation control is identified in the Mason Valley WMA Conceptual Management Plan. Desired Outcome: Wildlife habitats that are in good ecological condition, capable of supporting a diverse array of wildlife species. Goal: Habitat is the key to the success of all wildlife populations. Effective habitat is an integral function of the Department of Wildlife. NDOW will preserve and protect quality habitat and enhance deficient habitats. Objective: Maintain, protect and enhance wildlife habitats on wildlife management areas (WMA's) by applying good science and best management practices through implementation of Comprehensive Management Plans on all WMA's. through 2009.

Special Reserve Account Project Cost Estimate Table

Name of Proposed Project: Mason Valley Water Control Structure Replacement
Name of Proposed Project Manager: Isaac Metcalf
Project ID: 539

Please provide a breakdown of your project’s costs in the table below. Only include costs for the upcoming fiscal year for which you are applying. Only include in-kind services under item 7. NDOW personnel and travel expenses may not be covered by any of our Special Reserve Accounts - you must use alternative funding sources to cover these types of costs.

<i>Project Components</i>	<i>Costs to be Paid by NDOW Special Reserve Account(s)</i>	<i>Costs to be Paid by Other Sources</i>
1. Land Acquisitions		
2. Personnel Costs		
A. NDOW Personnel		
B. Other Personnel		
C. Total Personnel Costs	\$ -	\$ -
3. Travel Costs		
A. Per Diem		
B. Mileage		
C. Total Travel Costs	\$ -	\$ -
4. Equipment		
A.		
B.		
C. Total Equipment Costs	\$ -	\$ -
5. Materials		
A. Structures	\$ 7,500.00	
B. culvert	\$ 5,000.00	
C.		
D. Total Materials Costs	\$ 12,500.00	\$ -
6. Miscellaneous		
A.		
B.		
C.		
D.		
F. Total Miscellaneous Costs	\$ -	\$ -
7. In-Kind Services		
A.		
B.		
C. Total In-Kind Services	\$ -	\$ -
Subtotals	\$ 12,500.00	\$ -
Total Project Costs	\$	12,500.00