

**Water Supply Reserve Fund
Water Activity Summary Sheet
March 21-22, 2018
Agenda Item 25(aa)**

Applicant & Grantee: Ducks Unlimited, Inc.

Water Activity Name: Sambrito Wetlands

Water Activity Purpose: Environmental & Recreational Implementation

County: Archuleta

Drainage Basin: Southwest

Water Source: Sambrito Wetlands

Amount Requested: \$50,000 Southwest Basin Account
\$170,000 Statewide Account
\$220,000 Total Grant Request

Matching Funds: Basin Account Match = \$50,000

- 29% of statewide request (meets 10% min)

Applicant Match (cash & in-kind) = \$179,717

- % of the statewide request (meets 10% min)

Total Match (Basin & Applicant) = \$229,717

- 135% of the statewide request (meets 50% min)
- 57% of the total project cost of \$399,717

Staff Recommendation:
Staff recommends approval of up to \$50,000 from the Southwest Basin Account and \$170,000 from the Statewide Account to fund the project titled: Sambrito Wetlands.

Water Activity Summary: WSRF grant funds, if approved, will contribute toward the rehabilitation of water delivery infrastructure and restoration of shallow water wetland functionality at Sambrito State Wildlife Area in partnership with the Bureau of Reclamation, Colorado Parks and Wildlife (CPW), the Southwest Wetlands Focus Area, and Ducks Unlimited. The Sambrito Wildlife Area is Federal Land owned by the Bureau of Reclamation and managed under agreement by CPW. Sambrito is part of a wetland complex in Colorado that was enhanced to benefit wildlife during construction of Navajo Dam on the San Juan River. Since its construction, the water infrastructure and ditches have fallen into disrepair, resulting in diminished environmental and recreational benefits. In 2012, CPW commissioned a Management Plan which identified several areas where infrastructure improvements could be made to restore wetland function and increase recreational opportunities. This proposal presents the key water infrastructure improvement activities necessary to restore 100 acres of the Sambrito wetlands to full functionality.

Specifically, WSRF funding will be utilized to (1) survey, complete final engineering drawings, and solicit competitive construction bids; (2) construct the property (includes installation of 1,800 linear feet of pipeline, numerous water control structures, screw gates, removal of dilapidated infrastructure, improve existing ditches and embankments, construct additional embankments, and install several

inverted-v rock vanes in the stream channel); and (3) provide construction management and grant administration.

Discussion: As described in the Southwest Roundtable (SWBRT) chair’s recommendation letter, this project was supported and recommended for approval on January 10, 2018. The Sambrito wetland project is one of six IPPs in the San Juan and Piedra river basins (Southwest Basin Implementation Plan), ready for implementation. More specifically, Sambrito is only one of two IPP’s aimed at enhancing and creating wetlands.

This project assists in satisfying Colorado’s Water Plan Critical Goals and Actions as identified in Chapter 10.3, *F. Watershed Health, Environment, and Recreation*, by helping to:

- *Recover Imperiled Species:* the New Mexico Meadow Jumping Mouse and the Southwestern Willow Flycatcher will both benefit from the work we have proposed.
- *Enhance Environmental & Recreational Economic Values:* The positive financial impact that birders, hunters, and fisherman bring to rural communities, like those near Sambrito, are critical as several small businesses are dependent upon seasonal tourism.
- *Protect Healthy Environments:* A primary benefit of this project will be an increase in migratory bird viewing and recreation opportunities with restoration and creation of shallow water habitat. The ponds will provide high-quality habitat for (mostly nonbreeding) waterfowl that utilize Sambrito in fall, winter and, especially, spring.
- *Promote Protection & Restoration of Water Quality:* Once restored, the type of soils, rich natural diversity of plants, and seasonal hydrology of the site will help remove sediment and filter out nutrients and environmental contaminants before the water enters Navajo reservoir.

Issues/Additional Needs: No additional needs have been identified.

Eligibility Requirements: The application meets requirements of all eligibility components.

Evaluation Criteria: Staff has determined this activity satisfies the Evaluation Criteria.

Funding Summary / Matching Funds:

<u>Funding Source</u>	<u>Cash</u>	<u>In-Kind</u>	<u>Total</u>
U.S. Bureau of Reclamation	\$179,717	\$0	\$179,717
WSRF Southwest Basin Account	\$50,000	n/a	\$50,000
WSRF Statewide Account	\$170,000	n/a	\$170,000
Totals	\$399,717	\$0	\$399,717

CWCB Project Manager: Megan Holcomb

SOUTHWEST BASINS ROUNDTABLE

Michael Preston, Chair

c/o Dolores Water Conservancy District

P.O. Box 1150

Cortez, Colorado 81321

970-565-7562

January 17, 2018

Megan Holcomb

Water Supply Management Section

Colorado Water Conservation Board

1580 Logan Street, Suite 600

Denver, Colorado 80203

SUBJECT: Sambrito Wetlands, Ducks Unlimited, \$50,000 from the Basin Fund and
\$170,000 from the Statewide Fund

Dear Ms. Holcomb:

The Southwest Basin Roundtable approved funding of \$50,00 from the Basin Fund and \$170,000 from the Statewide fund for the Sambrito Wetlands Project. The application was considered in detail at the January 11, 2018 meeting of the Southwest Basin Roundtable. There was a quorum of Roundtable members present.

This project addresses SWBRT IPP 3-P: Restore infrastructure to improve, deliver and manage water to sustain wetlands in Navajo State Park. It meets SWBIP Environmental Goal E1: Encourage and support restoration, recovery, sustainability of . . . aquatic and riparian dependent species and plant communities. This includes the New Mexico Meadow Jumping Mouse which is a Federally listed species. This project is also consistent with the Colorado Water Plan, 10.3F – Watershed health environment and recreation to “recover imperiled species” and “enhance environmental and recreational economic values.”

When this project was reviewed by the Roundtable in concept approximately one year ago, the Roundtable strongly recommended financial participation by the Bureau of Reclamation since this project is associated with the Colorado side of Navajo Reservoir constructed by Reclamation. The proponents came back with substantial support from Reclamation, whose assigned representative participated in the January 11 Roundtable review of the application.

The addition to the Basin Fund request of \$50,000, The Roundtable also recommends approval of the \$170,000 request from the Statewide fund given that the project addresses a State Park and a federally listed species.

The completed Grant Application will be forwarded directly to you by the applicant. Please contact the applicant directly or me at 970-565-7562, mpreston@frontier.net, if you have questions or wish to discuss this application in more detail.

Sincerely,


Michael Preston

Southwest Basin Roundtable Chair



Last Update: August 3, 2017

Colorado Water Conservation Board

Water Supply Reserve Fund Grant Application

Instructions

All WSRF grant applications shall conform to the current [2016 WSRF Criteria and Guidelines](#).

To receive funding from the WSRF, a proposed water activity must be approved by a Roundtable(s) **AND** the Colorado Water Conservation Board (CWCB). The process for Roundtable consideration and recommendation is outlined in the 2016 WSRF Criteria and Guidelines. The CWCB meets bimonthly according to the schedule on page 2 of this application.

If you have questions, please contact the current CWCB staff Roundtable liaison:

Arkansas

Ben Wade
ben.wade@state.co.us
303-866-3441 x3238

Gunnison | North Platte | South Platte | Yampa/White

Craig Godbout
craig.godbout@state.co.us
303-866-3441 x3210

Colorado | Metro | Rio Grande | Southwest

Megan Holcomb
megan.holcomb@state.co.us
303-866-3441 x3222

WSRF Submittal Checklist (Required)

X	I acknowledge this request for funding was recommended for CWCB approval by the sponsoring Basin Roundtable(s).
X	I acknowledge I have read and understand the 2016 WSRF Criteria and Guidelines .
X	I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract . ⁽¹⁾
Exhibit A	
X	Statement of Work ⁽²⁾ (Word – see Exhibit A Template)
X	Budget & Schedule ⁽²⁾ (Excel Spreadsheet – see Exhibit A Template)
X	Letters of Matching and/or Pending 3 rd Party Commitments ⁽²⁾
Exhibit C	
X	Map ⁽²⁾
X	Photos/Drawings/Reports
	Letters of Support
X	Certificate of Insurance ⁽³⁾ (General, Auto, & Workers' Comp.)
Contracting Documents	
X	Certificate of Good Standing ⁽³⁾
X	W-9 ⁽³⁾
	Independent Contractor Form ⁽³⁾ (If applicant is individual, not company/organization)
	Electronic Funds Transfer (ETF) Form ⁽³⁾

(1) Click "Grant Agreements". For reference only/do not fill out or submit/required for contracting

(2) Required with application if applicable.

(3) Required for contracting. While optional at the time of this application, submission can expedite contracting upon CWCB Board approval.

Last Update: August 3, 2017

Schedule		
CWCB Meeting	Application Submittal Dates	Type of Request
January	December 1	Basin Account; BIP
March	February 1	Basin/Statewide Account; BIP
May	April 1	Basin Account; BIP
July	June 1	Basin Account; BIP
September	August 1	Basin/Statewide Account; BIP
November	October 1	Basin Account/BIP

Desired Timeline	
Desired CWCB Hearing Month:	March 2018
Desired Notice to Proceed Date:	July 2018

Water Activity Summary		
Name of Applicant	Ducks Unlimited, Inc.	
Name of Water Activity	Sambrito Wetlands	
Approving Roundtable(s)	Basin Account Request(s) ⁽¹⁾	
Southwest Basin Roundtable	\$50,000	
Basin Account Request Subtotal	\$50,000	
Statewide Account Request ⁽¹⁾	\$170,000	
Total WSRF Funds Requested (Basin & Statewide)	\$220,000	
Total Project Costs	\$399,717	

(1) Please indicate the amount recommended for approval by the Roundtable(s)



Last Update: August 3, 2017

Grantee and Applicant Information	
Name of Grantee(s)	Ducks Unlimited, Inc.
Mailing Address	1825 Sharp Point Drive, Suite 118, Fort Collins, CO 80525
FEIN	13-5643799
Grantee's Organization Contact ⁽¹⁾	Jason A. Roudebush
Position/Title	Water Resource Specialist
Email	jroudebush@ducks.org
Phone	970.231.8317
Grant Management Contact ⁽²⁾	<u>Nancy Jensen</u>
Position/Title	Project Coordinator
Email	njensen@ducks.org
Phone	701.355.3514
Name of Applicant (if different than grantee)	
Mailing Address	
Position/Title	
Email	
Phone	

(1) Person with signatory authority

(2) Person responsible for creating reimbursement invoices (Invoice for Services) and corresponding with CWCB staff.

Description of Grantee
Provide a brief description of the grantee's organization (100 words or less).
Ducks Unlimited, Inc. is a member organization structured under section 501(c)(3). The organization was created in 1937 for the conservation of North America's waterfowl and its habitat. Ducks Unlimited conserves, restores, and manages wetlands and associated habitats for North America's waterfowl. These habitats also benefit other wildlife and people. DU is the world's leader in wetland conservation, having conserved more than 14 million acres across the continent. DU's Colorado Field Office in Fort Collins employs experts in biology, engineering, hydrology, water law, agricultural economics, and land protection. Our experience in the region, network of landowners and partners, fundraising capabilities, and diverse skillsets position enable DU to effectively deliver multi-beneficial projects in this important focus landscape.



Last Update: August 3, 2017

Type of Eligible Entity (check one)	
	Public (Government): municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities. Federal agencies are eligible, but only if they can make a compelling case for why a local partner cannot be the grant recipient.
	Public (Districts): authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises
	Private Incorporated: mutual ditch companies, homeowners associations, corporations
	Private Individuals, Partnerships, and Sole Proprietors: are eligible for funding from the Basin Accounts but not for funding from the Statewide Account.
X	Non-governmental organizations: broadly, any organization that is not part of the government
	Covered Entity: as defined in Section 37-60-126 Colorado Revised Statutes

Type of Water Activity (check one)	
	Study
X	Implementation

Category of Water Activity (check all that apply)		
X	Nonconsumptive (Environmental)	
X	Nonconsumptive (Recreational)	
	Agricultural	
	Municipal/Industrial	
	Needs Assessment	
	Education & Outreach	
	Other	Explain:

Location of Water Activity	
Please provide the general county and coordinates of the proposed activity below in decimal degrees . The Applicant shall also provide, in Exhibit C, a site map if applicable .	
County/Counties	Archuleta County
Latitude	37.001306
Longitude	-107.474566

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Water Activity Overview

Please provide a summary of the proposed water activity (200 words or less). Include a description of the activity and what the WSRF funding will be used for specifically (e.g. studies, permitting, construction). Provide a description of the water supply source to be utilized or the water body affected by the activity. Include details such as acres under irrigation, types of crops irrigated, number of residential and commercial taps, length of ditch improvements, length of pipe installed, area of habitat improvements. If this project addresses multiple purposes or spans multiple basins, please explain. The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, and Schedule.

Through a partnership with the Bureau of Reclamation (BOR), Colorado Parks and Wildlife (CPW), and the Southwest Wetlands Focus Area, Ducks Unlimited (DU) is proposing to rehabilitate water delivery infrastructure and restore shallow water wetland functionality at Sambrito State Wildlife Area.

Specifically, WSRF funding will be utilized to:

1. Survey, complete final engineering drawings, and solicit competitive construction bids.
2. Construct the property as outlined in Exhibit-A and the attached budget. Activities include installation of 1,800 linear feet of pipeline, numerous water control structures, screw gates, removal of dilapidated infrastructure, improve existing ditches and embankments, construct additional embankments, and install several inverted-v rock vanes in the stream channel.
3. Manage all construction activities.
4. Provide interim progress reports and a final report to the CWCB upon project completion.

Measurable Results

To catalog measurable results achieved with WSRF funds please provide any of the following values.

	New Storage Created (acre-feet)	
	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive	
	Existing Storage Preserved or Enhanced (acre-feet)	
	Length of Stream Restored or Protected (linear feet)	
	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
100	Area of Restored or Preserved Habitat (acres)	
1,800 linear feet	Length of Pipe/Canal Built or Improved	
	Other	Explain:

Last Update: August 3, 2017

Water Activity Justification

Provide a description of how this water activity supports the goals of [Colorado's Water Plan](#), the most recent [Statewide Water Supply Initiative](#), and the respective [Roundtable Basin Implementation Plan and Education Action Plan](#) ⁽¹⁾. The Applicant is required to reference specific needs, goals, themes, or Identified Projects and Processes (IPPs), including citations (e.g. document, chapters, sections, or page numbers).

For applications that include a request for funds from the Statewide Account, the proposed water activity shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan criteria for state support (CWP, Section 9.4, pp. 9-43 to 9-44;) (Also listed pp. 4-5 in [2016 WSRF Criteria and Guidelines](#)).

With a history of completing successful multi-purpose projects in the South Platte, Rio Grande, Arkansas, and North Platte basins, Ducks Unlimited is focusing new wetland restoration and creation efforts in the Southwest basin. Specifically, the Sambrito wetlands projects supports the following goals and measurable outcomes set forth in the Southwest BIP:

1. **Identified Plans and Processes (IPP's)** – The Sambrito wetland project is one of six identified Projects and Processes (IPP) in the San Juan and Piedra river basins (Southwest Basin Implementation Plan -SWBIP), ready for implementation now. More specifically, Sambrito is only one of two IPP's aimed at enhancing and creating wetlands.
2. **Environmental** – Meets Goal E1: This project will encourage and support restoration, recovery, and sustainability of endangered, threatened, and imperiled aquatic and riparian dependent species and plant communities. The New Mexico Meadow Jumping Mouse is a Federally Listed species (endangered) that will directly benefit from riparian and wetland restoration of the site. Furthermore, improvements that benefit New Mexico meadow jumping mouse habitat would also improve habitat for the Federally threatened southwestern willow flycatcher (ETWP 1995 and 2014).
3. **Recreational** – Measurable Outcome D-1: to meet recreational water needs, the completion of 10 projects and processes identified in the BIP by 2050. Completion of our proposed Sambrito restoration would directly move the needle forward on those goals.

This project supports several measurable objectives under Section 10.3F (Critical Action Plan) of the Colorado Water Plan. Specifically, following is a description of critical action items this project will contribute toward:

10.3F - Watershed Health, Environment, and Recreation

- **Recover Imperiled Species:**

As listed in Section-2 above, the New Mexico Meadow Jumping Mouse and the Southwestern Willow Flycatcher will both benefit from the work we have proposed.

- **Enhance Environmental & Recreational Economic Values:**

Outdoor recreation is among our nation's largest economic sectors. When we invest in the foundation of the recreation economy, our public lands and waters, there is a compounding return in the form of healthier communities, healthier economies, and healthier people. And the positive financial impact that birders, hunters, and fisherman bring to rural communities, like those near Sambrito, are even more critical as several small businesses are dependent upon seasonal tourism.



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Water Activity Justification

- **Protect Healthy Environments:**

A primary benefit of this project will be an increase in migratory bird viewing and recreation opportunities with restoration and creation of shallow water habitat. The ponds will provide high-quality habitat for (mostly nonbreeding) waterfowl that utilize Sambrito in fall, winter and, especially, spring. Although all dabbling ducks will benefit, the target species for this project include mallards and northern pintails. The intent of the project is to increase availability and quality of shallow-water habitat to spring and fall migrants, such that body condition is maintained and pre-breeding physiological demands are met. These habitat types are in decline throughout Colorado.

- **Promote Protection & Restoration of Water Quality:**

Once restored, the type of soils, rich natural diversity of plants, and seasonal hydrology of the site will help remove sediment and filter out nutrients and environmental contaminants before the water enters Navajo reservoir.

(1) Access Basin Implementation Plans or Education Action Plans from Basin drop down menu.

Matching Requirements: Basin Account Requests

Basin (only) Account grant requests require a 25% match (cash and/or in-kind) from the Applicant or 3rd party and shall be accompanied by a **letter of commitment** as described in the 2016 WSRF Criteria and Guidelines (submitted on the contributing entity's letterhead). Attach additional sheet if necessary.

Contributing Entity	Amount and Form of Match (note cash or in-kind)
U.S. Bureau of Reclamation	\$179,717



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Matching Requirements: Basin Account Requests	
Total Match	\$179,717
If you requested a Waiver to the Basin Account matching requirements, indicate the percentage you wish waived.	

Matching Requirements: Statewide Account Requests	
Statewide Account grant requests require a 50% match as described in the 2016 WSRF Criteria and Guidelines. A minimum of 10% match shall be from Basin Account funds (cash only). A minimum of 10% match shall be provided by the applicant or 3rd party (cash, in-kind, or combination). The remaining 30% of the required match may be provided from any other source (Basin, applicant, or 3 rd party) and shall be accompanied by a letter of commitment . Attach additional sheet if necessary.	
Contributing Entity	Amount and Form of Match (note cash or in-kind):
Bureau of Reclamation	\$179,717
Southwest Basin Roundtable	\$50,000
Total Match	\$229,717
If you requested a Waiver to the Statewide Account matching, indicate % you wish waived. (Max 50% reduction of requirement).	

Related Studies
Please provide a list of any related studies, including if the water activity is complimentary to or assists in the implementation of other CWCB programs.

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Related Studies

Basin Hydrology. 2012. Sambrito State Wildlife Area—Western Portion: Infrastructure and Wetlands Assessment. Prepared for Colorado Parks and Wildlife Wetlands Program.

Ortega, C. P., M. Oliver, M. Moses, and D. Secrist. 2012. Management Plan: Sambrito Wetlands. Prepared for Colorado Parks and Wildlife Wetlands Program.

Wright Water Engineers, Inc. 2007. United States Bureau of Reclamation Navajo Unit—Sambrito Creek and Miller Mesa water rights preliminary investigation. Prepared for the U. S. Bureau of Reclamation.

Previous CWCB Grants

List all previous or current CWCB grants (including WSRF) awarded to both the Applicant and Grantee. Include: 1) Applicant name; 2) Water activity name; 3) Approving RT(s); 4) CWCB board meeting date; 5) Contract number or purchase order

See attached list of projects

Tax Payer Bill of Rights

The Tax Payer Bill of Rights (TABOR) may limit the amount of grant money an entity can receive. Please describe any relevant TABOR issues that may affect the applicant.

Not Applicable



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Colorado Water Conservation Board	
Water Supply Reserve Fund	
<u>Exhibit A - Statement of Work</u>	
Date: (include all edit date)	12/29/2017
Water Activity Name:	Sambrito Wetlands
Grant Recipient:	Ducks Unlimited, Inc.
Funding Source:	WSRF (SW Basin Roundtable & Statewide) and the U.S. Bureau of Reclamation
Water Activity Overview: (Please provide brief description of the proposed water activity (no more than 200 words). Include a description of the overall water activity and specifically what the WSRF funding will be used for.	
<p>The Sambrito Wildlife Area is Federal Land owned by the Bureau of Reclamation and managed under agreement by Colorado Parks & Wildlife (CPW). Sambrito is part of a wetland complex in Colorado that was enhanced to benefit wildlife during construction of Navajo Dam on the San Juan River. Since its construction, the water infrastructure and ditches have fallen into disrepair, resulting in diminished environmental and recreational benefits. In 2012, CPW commissioned a Management Plan which identified several areas where infrastructure improvements could be made to restore wetland function and increase recreational opportunities. This proposal presents the key water infrastructure improvement activities necessary to restore the Sambrito wetlands to full functionality (Figure 1). The full scope of project activities is presented in the Figure 1 and the four key areas of focus are further refined in Figures 2-5.</p>	
Objectives: (List the objectives of the project)	
<p>The major objectives of the project are to improve wetland and riparian habitat and habitat connectivity. We plan to accomplish those objectives by improving water management through the following actions:</p> <ul style="list-style-type: none">• Installing modern diversion structures, canal gates, and diversion boxes• Creating an overflow channel for the large existing pond• Excavating and cleaning existing earthen ditches• Cleaning out existing culverts and vegetation management• Creating new earthen embankments• Excavating wetlands• Removing broken pipes and repairing existing earthen embankments• Restoring the hydrology of two remnant oxbows on Sambrito Creek• Installing articulated erosion control mats	



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Tasks
Provide a detailed description of each task using the following format:
<u>Task 1: Area-1 Improvements</u>
Description of Task: <ul style="list-style-type: none">• Repair diversion structure and replace 24" Waterman C10 control gate at diversion inlet.• Install trash rack over diversion inlet• Remove vegetation around the culvert inlet and cleanout the culvert to prevent water from flowing over the road.• Excavate the existing (dilapidated) earthen ditch to restore conveyance capacity. <p>Please refer to Figure 2 for location of all activities</p>
Method/Procedure: <p>DU has a strict, vetted bidding process that ensures equitability, objectiveness, and cost-savings. DU engineers will be on-site to oversee the implementation and delivery of the proposed enhancements to ensure they are consistent with the final construction plan set.</p>
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Final construction plan set approved and stamped by a Professional Civil Engineer. DU will follow all local, State, and Federal guidelines and acquire 404 permits for construction activities in the riparian areas.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Engineering plans will be made available to the CWCB. Once constructed, DU will summarize the work completed in a formal report, which will include pre-, during-, and post-construction photos. CWCB staff will also have the opportunity for a site visit at all phases of production.



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Tasks
Provide a detailed description of each task using the following format:
<u>Task 2: Area-2 Improvements</u>
Description of Task: <ul style="list-style-type: none">• Install 15" Waterman C10 canal gate on outlet of diversion box #4• Cut into existing 24" corrugated metal pipe and Install 4' x 4' concrete diversion box with 24" flow through opening and 15" opening to the south.• Install approx. 110' of 15" HDPE pipe between Diversion Box #5 and PW2• Install 830' of 15" HDPE between Diversion Box #4 & Diversion Box #6 buried in ex. D2 alignment (install access manhole or cleanout approx. midway)• Excavate four areas to create shallow water emergent plant communities• Construct embankments• Install 3 water control structures to move water between constructed wetland cells• Install 15" and 12" Waterman C10 canal gates on outlets of Diversion Box #6• Install 55' of 12" HDPE between Diversion Box #6 and foot path culvert• Removal of existing dilapidated pipes and miscellaneous infrastructure• Install in-channel inverted-v rock vane (fish friendly) to provide streambed stability and reconnect the remnant oxbows on Sambrito Creek.• Install one articulated concrete mat for erosion control at the confluence of the oxbow and Sambrito Creek.
Please refer to Figure 3 for location of all activities
Method/Procedure: <p>DU has a strict, vetted bidding process that ensures equitability, objectiveness, and cost-savings. DU engineers will be on-site to oversee the implementation and delivery of the proposed enhancements to ensure they are consistent with the final construction plan set.</p>
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Final construction plan set approved and stamped by a Professional Civil Engineer. DU will follow all local, State, and Federal guidelines and acquire 404 permits for construction activities in the riparian areas.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Engineering plans will be made available to the CWCB. Once constructed, DU will summarize the work completed in a formal report, which will include pre-, during-, and post-construction photos. CWCB staff will also have the opportunity for a site visit at all phases of production.



Last Update: November 29, 2017

Tasks
Provide a detailed description of each task using the following format:
<u>Task 3: Area-3 Improvements</u>
Description of Task: <ul style="list-style-type: none">• Install 960' of 15" HDPE between Diversion Box #6 and wetlands following ditch D2 alignment (install at least 1 access manhole or clean-out approximately midway)• Remove miscellaneous pipes• Install water control structures to move water between constructed wetland cells• Excavate wetland area to the "old ditch" to create new emergent wetland• Excavate interior areas within existing embankments to emergent wetlands• Remove ends of one existing embankment to allow water control structure to set surface elevations in both wetlands• Reconstruct or modify each embankment by establishing a uniform top elevation and adequate side slopes using excavated materials <p>Please refer to Figure 4 for location of all activities</p>
Method/Procedure: <p>DU has a strict, vetted bidding process that ensures equitability, objectiveness, and cost-savings. DU engineers will be on-site to oversee the implementation and delivery of the proposed enhancements to ensure they are consistent with the final construction plan set.</p>
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Final construction plan set approved and stamped by a Professional Civil Engineer. DU will follow all local, State, and Federal guidelines and acquire 404 permits for construction activities in the riparian areas.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Engineering plans will be made available to the CWCB. Once constructed, DU will summarize the work completed in a formal report, which will include pre-, during-, and post-construction photos. CWCB staff will also have the opportunity for a site visit at all phases of production.



Last Update: November 29, 2017

Tasks
Provide a detailed description of each task using the following format:
<u>Task 4: Area-4 Improvements</u>
Description of Task: <ul style="list-style-type: none">• Remove existing corrugated metal outlet pipe (west outlet) and install water control structure (72" diameter CMP riser)• Modify existing low area at west end of embankment to create overflow spillway channel between pond and downstream channel• Remove/plug existing PVC outlet pipe (east outlet)• Excavate along wetlands edge to generate sufficient material to fill in existing east side spillway and to establish uniform top-of-embankment elevation. Grade excavated area to allow establishment of emergent vegetation <p>Please refer to Figure 4 for location of all activities</p>
Method/Procedure: <p>DU has a strict, vetted bidding process that ensures equitability, objectiveness, and cost-savings. DU engineers will be on-site to oversee the implementation and delivery of the proposed enhancements to ensure they are consistent with the final construction plan set.</p>
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Final construction plan set approved and stamped by a Professional Civil Engineer. DU will follow all local, State, and Federal guidelines and acquire 404 permits for construction activities in the riparian areas.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Engineering plans will be made available to the CWCB. Once constructed, DU will summarize the work completed in a formal report, which will include pre-, during-, and post-construction photos. CWCB staff will also have the opportunity for a site visit at all phases of production.



Last Update: November 29, 2017

Budget and Schedule

Exhibit B - Budget and Schedule: This Statement of Work shall be accompanied by a combined [Budget and Schedule](#) that reflects the Tasks identified in the Statement of Work and shall be submitted to CWCB in excel format.

Reporting Requirements

Reporting: The grantee shall provide their respective Roundtable(s) and the CWCB a Progress Report every 6 months, beginning from the date of executed contract. The Progress Report shall describe the status of the water activity, the completion or partial completion of the tasks identified in the Statement of Work – Exhibit A including a description of any major issues that have occurred and any corrective action to address these issues. The CWCB may withhold reimbursement until satisfactory Progress Reports have been submitted.

Final Deliverable: At the completion of the water activity, the grantee shall provide their respective Roundtable(s) and the CWCB a final report on the grantee's letterhead that:

- Summarizes the water activity and how the water activity was completed
- Describes any obstacles encountered, and how these obstacles were overcome
- Explains the Proposed Budget versus the Actual Budget
- Confirms that all matching commitments have been fulfilled
- Includes photographs, summaries of meeting and engineering reports/design, if appropriate

The CWCB will pay the last 10% of the entire water activity budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the water activity and purchase order or contract will be closed without any further payment. Any entity that fails to complete a satisfactory Final Report and submit to CWCB within 90 days of the expiration of a purchase order or contract may be denied consideration for future funding of any type from CWCB.



Last Update: November 29, 2017

Colorado Water Conservation Board	
Water Supply Reserve Fund	
<u>Exhibit A - Statement of Work</u>	
Date:	12/29/2017
Water Activity Name:	Sambrito Wetlands
Grant Recipient:	Ducks Unlimited, Inc.
Funding Source:	WSRF (SW Basin Roundtable & Statewide) and the U.S. Bureau of Reclamation
Water Activity Overview: (Please provide brief description of the proposed water activity (no more than 200 words). Include a description of the overall water activity and specifically what the WSRF funding will be used for.)	
<p>The Sambrito Wildlife Area is Federal Land owned by the Bureau of Reclamation and managed under agreement by Colorado Parks & Wildlife (CPW). Sambrito is part of a wetland complex in Colorado that was enhanced to benefit wildlife during construction of Navajo Dam on the San Juan River. Since its construction, the water infrastructure and ditches have fallen into disrepair, resulting in diminished environmental and recreational benefits. In 2012, CPW commissioned a Management Plan which identified several areas where infrastructure improvements could be made to restore wetland function and increase recreational opportunities. This proposal presents the key water infrastructure improvement activities necessary to restore the Sambrito wetlands to full functionality (Figure 1). The full scope of project activities is presented in the Figure 1 and the four key areas of focus are further refined in Figures 2-5.</p>	
Objectives: (List the objectives of the project)	
<p>The major objectives of the project are to improve wetland and riparian habitat and habitat connectivity. We plan to accomplish those objectives by improving water management through the following actions:</p> <ul style="list-style-type: none">• Installing modern diversion structures, canal gates, and diversion boxes• Creating an overflow channel for the large existing pond• Excavating and cleaning existing earthen ditches• Cleaning out existing culverts and vegetation management• Creating new earthen embankments• Excavating wetlands• Removing broken pipes and repairing existing earthen embankments• Restoring the hydrology of two remnant oxbows on Sambrito Creek• Installing articulated erosion control mats	



Last Update: November 29, 2017

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Tasks
Provide a detailed description of each task using the following format:
<u>Task 1: Area-1 Improvements</u>
Description of Task: <ul style="list-style-type: none">• Repair diversion structure and replace 24" Waterman C10 control gate at diversion inlet.• Install trash rack over diversion inlet• Remove vegetation around the culvert inlet and cleanout the culvert to prevent water from flowing over the road.• Excavate the existing (dilapidated) earthen ditch to restore conveyance capacity. <p>Please refer to Figure 2 for location of all activities</p>
Method/Procedure: <p>DU has a strict, vetted bidding process that ensures equitability, objectiveness, and cost-savings. DU engineers will be on-site to oversee the implementation and delivery of the proposed enhancements to ensure they are consistent with the final construction plan set.</p>
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Final construction plan set approved and stamped by a Professional Civil Engineer. DU will follow all local, State, and Federal guidelines and acquire 404 permits for construction activities in the riparian areas.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Engineering plans will be made available to the CWCB. Once constructed, DU will summarize the work completed in a formal report, which will include pre-, during-, and post-construction photos. CWCB staff will also have the opportunity for a site visit at all phases of production.



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Tasks
Provide a detailed description of each task using the following format:
<u>Task 2: Area-2 Improvements</u>
Description of Task: <ul style="list-style-type: none">• Install 15" Waterman C10 canal gate on outlet of diversion box #4• Cut into existing 24" corrugated metal pipe and Install 4' x 4' concrete diversion box with 24" flow through opening and 15" opening to the south.• Install approx. 110' of 15" HDPE pipe between Diversion Box #5 and PW2• Install 830' of 15" HDPE between Diversion Box #4 & Diversion Box #6 buried in ex. D2 alignment (install access manhole or cleanout approx. midway)• Excavate four areas to create shallow water emergent plant communities• Construct embankments• Install 3 water control structures to move water between constructed wetland cells• Install 15" and 12" Waterman C10 canal gates on outlets of Diversion Box #6• Install 55' of 12" HDPE between Diversion Box #6 and foot path culvert• Removal of existing dilapidated pipes and miscellaneous infrastructure• Install in-channel inverted-v rock vane (fish friendly) to provide streambed stability and reconnect the remnant oxbows on Sambrito Creek.• Install one articulated concrete mat for erosion control at the confluence of the oxbow and Sambrito Creek.
Please refer to Figure 3 for location of all activities
Method/Procedure: <p>DU has a strict, vetted bidding process that ensures equitability, objectiveness, and cost-savings. DU engineers will be on-site to oversee the implementation and delivery of the proposed enhancements to ensure they are consistent with the final construction plan set.</p>
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Final construction plan set approved and stamped by a Professional Civil Engineer. DU will follow all local, State, and Federal guidelines and acquire 404 permits for construction activities in the riparian areas.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Engineering plans will be made available to the CWCB. Once constructed, DU will summarize the work completed in a formal report, which will include pre-, during-, and post-construction photos. CWCB staff will also have the opportunity for a site visit at all phases of production.



Last Update: November 29, 2017

Tasks
Provide a detailed description of each task using the following format:
<u>Task 3: Area-3 Improvements</u>
Description of Task: <ul style="list-style-type: none">• Install 960' of 15" HDPE between Diversion Box #6 and wetlands following ditch D2 alignment (install at least 1 access manhole or clean-out approximately midway)• Remove miscellaneous pipes• Install water control structures to move water between constructed wetland cells• Excavate wetland area to the "old ditch" to create new emergent wetland• Excavate interior areas within existing embankments to emergent wetlands• Remove ends of one existing embankment to allow water control structure to set surface elevations in both wetlands• Reconstruct or modify each embankment by establishing a uniform top elevation and adequate side slopes using excavated materials <p>Please refer to Figure 4 for location of all activities</p>
Method/Procedure: <p>DU has a strict, vetted bidding process that ensures equitability, objectiveness, and cost-savings. DU engineers will be on-site to oversee the implementation and delivery of the proposed enhancements to ensure they are consistent with the final construction plan set.</p>
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Final construction plan set approved and stamped by a Professional Civil Engineer. DU will follow all local, State, and Federal guidelines and acquire 404 permits for construction activities in the riparian areas.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Engineering plans will be made available to the CWCB. Once constructed, DU will summarize the work completed in a formal report, which will include pre-, during-, and post-construction photos. CWCB staff will also have the opportunity for a site visit at all phases of production.



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Tasks
Provide a detailed description of each task using the following format:
<u>Task 4: Area-4 Improvements</u>
Description of Task: <ul style="list-style-type: none">• Remove existing corrugated metal outlet pipe (west outlet) and install water control structure (72" diameter CMP riser)• Modify existing low area at west end of embankment to create overflow spillway channel between pond and downstream channel• Remove/plug existing PVC outlet pipe (east outlet)• Excavate along wetlands edge to generate sufficient material to fill in existing east side spillway and to establish uniform top-of-embankment elevation. Grade excavated area to allow establishment of emergent vegetation <p>Please refer to Figure 4 for location of all activities</p>
Method/Procedure: <p>DU has a strict, vetted bidding process that ensures equitability, objectiveness, and cost-savings. DU engineers will be on-site to oversee the implementation and delivery of the proposed enhancements to ensure they are consistent with the final construction plan set.</p>
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Final construction plan set approved and stamped by a Professional Civil Engineer. DU will follow all local, State, and Federal guidelines and acquire 404 permits for construction activities in the riparian areas.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
Engineering plans will be made available to the CWCB. Once constructed, DU will summarize the work completed in a formal report, which will include pre-, during-, and post-construction photos. CWCB staff will also have the opportunity for a site visit at all phases of production.



Last Update: November 29, 2017

Budget and Schedule

Exhibit B - Budget and Schedule: This Statement of Work shall be accompanied by a combined [Budget and Schedule](#) that reflects the Tasks identified in the Statement of Work and shall be submitted to CWCB in excel format.

Reporting Requirements

Reporting: The grantee shall provide their respective Roundtable(s) and the CWCB a Progress Report every 6 months, beginning from the date of executed contract. The Progress Report shall describe the status of the water activity, the completion or partial completion of the tasks identified in the Statement of Work – Exhibit A including a description of any major issues that have occurred and any corrective action to address these issues. The CWCB may withhold reimbursement until satisfactory Progress Reports have been submitted.

Final Deliverable: At the completion of the water activity, the grantee shall provide their respective Roundtable(s) and the CWCB a final report on the grantee's letterhead that:

- Summarizes the water activity and how the water activity was completed
- Describes any obstacles encountered, and how these obstacles were overcome
- Explains the Proposed Budget versus the Actual Budget
- Confirms that all matching commitments have been fulfilled
- Includes photographs, summaries of meeting and engineering reports/design, if appropriate

The CWCB will pay the last 10% of the entire water activity budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the water activity and purchase order or contract will be closed without any further payment. Any entity that fails to complete a satisfactory Final Report and submit to CWCB within 90 days of the expiration of a purchase order or contract may be denied consideration for future funding of any type from CWCB.

**COLORADO**Colorado Water
Conservation Board

Department of Natural Resources

Colorado Water Conservation Board**Water Supply Reserve Fund****EXHIBIT B - BUDGET AND SCHEDULE - Direct & Indirect (Administrative) Costs****Date: 1/1/2018****Water Activity Name: Sambrito Wetlands****Grantee Name: Ducks Unlimited, Inc.**

<u>Task No.</u> ⁽¹⁾	<u>Description</u>	<u>Start Date</u> ⁽²⁾	<u>End Date</u>	<u>Matching Funds</u> (cash & in-kind) ⁽³⁾	<u>WSRF Funds</u> (Basin & Statewide combined) ⁽³⁾	<u>Total</u>
1	Sambrito Area 1	7/1/2018		\$13,130	\$5,000	\$18,130
2	Sambrito Area 2			\$61,005	\$90,000	\$151,005
3	Sambrito Area 3			\$74,576	\$90,904	\$165,480
4	Sambrito Area 4		6/30/2021	\$6,910	\$10,000	\$16,910
	<u>Other Direct Costs</u>					
	Site Prep			\$2,500	\$2,500	\$5,000
	Construction Mobilization			\$10,000	\$10,000	\$20,000
	Travel			\$2,340	\$2,340	\$4,680
	Lodging			\$2,000	\$2,000	\$4,000
	Indirect Contractor Admin Costs (5%)			\$7,256	\$7,256	\$14,512
Total				\$179,717	\$220,000	\$399,717

(1) The single task that include costs for Grant Administration must provide a labor breakdown (see Indirect Costs tab below) where the total WSRF Grant contribution towards that task does not exceed 15% of the total WSRF Grant amount.

(2) Start Date for funding under \$100K - 45 Days from Board Approval; Start Date for funding over \$100K - 90 Days from Board Approval.

(3) Round values up to the nearest hundred dollars.

- Reimbursement eligibility commences upon the grantee's receipt of a Notice to Proceed (NTP)
- NTP will not be accepted as a start date. Project activities may commence as soon as the grantee enters contract and receives formal signed State Agreement.

The CWCB will pay the last 10% of the entire water activity budget when the Final Report is completed to the satisfaction of the CWCB staff project manager. Once the Final Report has been accepted, the final payment has been issued, the water activity and purchase order (PO) or contract will be closed without any further payment. Any entity that fails to complete a satisfactory Final Report and submit to the CWCB with 90 days of the expiration of the PO or contract may be denied consideration for future funding of any type from the CWCB.

- Additionally, the applicant shall provide a progress report every 6 months, beginning from the date of contract execution
- Standard contracting procedures dictate that the Expiration Date of the contract shall be 5 years from the Effective Date.



United States Department of the Interior

BUREAU OF RECLAMATION

Western Colorado Area Office

Durango Field Division

185 Suttle Street, Suite 2

Durango, Colorado 81303-7911

IN REPLY REFER TO:

In Reply Refer To: 2.2.3.18

Colorado Water Conservation Board
1313 Sherman St., Room 718
Denver, CO 80203

Subject: Grant Application for Sambrito Wetlands Wildlife Area Project, Navajo State Park, Colorado

Dear Colorado Water Conservation Board Selection Committee:

In cooperation with Ducks Unlimited and Colorado Parks and Wildlife, the Bureau of Reclamation is happy to support the subject application for improvement of riparian and wetland resources on Reclamation lands at the Sambrito Wetlands Wildlife Area at Navajo State Park. Reclamation is a cooperating agency for compliance with the National Environmental Policy Act, and we have a cost-share agreement with Colorado Parks and Wildlife for project work at lands they manage for us. However, project funds are subject to congressional budget appropriation.

Originally, the Sambrito Wildlife Area was created as a wetland complex to benefit wildlife during the construction of the Navajo Dam and Reservoir on the San Juan River. Since its construction, the waterworks have fallen in disrepair. In 2012, CPW commissioned a Draft Management Plan to repair the infrastructure and revitalize the area. However, with the Endangered Species listing of the New Mexico meadow jumping mouse, that plan has been revisited. With help from CPW and the Southwest Wetland Focus Area of the Durango Bird Club, Reclamation has written an addendum to the Draft Plan, and Ducks Unlimited is prepared to manage the proposed work. The grant application, if approved, will provide opportunity for enhancement of not only New Mexico meadow jumping mouse habitat, but also habitat for Southwest willow flycatcher, ducks, and other wetland dependent species.

Thank you for considering the grant application and we look forward to this important work to enhance the Sambrito Wetlands Wildlife Area. If you have any questions, please contact me at 970-385-6572 or email at escott@usbr.gov.

Sincerely,

Eth Scott Jan 2, 2018

Ethan Scott
Resource Management Specialist



