

# STATE OF COLORADO

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## Colorado Water Conservation Board Department of Natural Resources

1580 Logan Street, Suite 600  
Denver, Colorado 80203  
Phone: (303) 866-3441  
Fax: (303) 894-2578  
[www.cwcb.state.co.us](http://www.cwcb.state.co.us)



September 19, 2013

Mr. Matthew Reddy, Regional Biologist  
Ducks Unlimited, Inc.  
2525 River Road  
Bismarck, ND 58503

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John W. Hickenlooper  
Governor

Mike King  
DNR Executive Director

James Eklund  
CWCB Director

**RE: Notice to Proceed – WSRA Grant – Prewitt Reservoir Wetlands Partnership in the  
South Platte River Basin**

Dear Matt,

This letter is to inform you that the WSRA contract to assist in the above project in the South Platte River Basin was signed on September 18, 2013. The original purchase order will be mailed to you.

With the executed purchase order, you are now able to proceed with the project and continue invoicing the State of Colorado for cost incurred through **December 31, 2015** at which time the contract will expire. Upon receipt of your invoice(s), the State of Colorado will provide payment no later than 45 days. I wish you much success in your project.

Sincerely,

**Rebecca Mitchell, Section Chief**  
**Water Supply Planning Section**  
1580 Logan, Room 200  
Denver, CO 80203  
[303-866-3441 x3217](tel:303-866-3441)  
[Rebecca.Mitchell@state.co.us](mailto:Rebecca.Mitchell@state.co.us)  
[www.cwcb.state.co.us](http://www.cwcb.state.co.us)

WATER CONSERVATION BOARD  
1313 SHERMAN STREET, ROOM 721  
DENVER, CO 80203

DATE: 09-18-13

**IMPORTANT**  
The PO# and Line # must  
appear on all invoices,  
packing slips, cartons  
and correspondence



**PURCHASE  
ORDER**  
STATE OF COLORADO

Buyer: MAGGIE VAN CLEEF  
Phone Number: 303-866-3292  
Agency Contact: MATT REDDY  
Phone Number: 970 381 2876

ACC: 09-17-13

P.O. # OE PDA 14IBC000009 Page# 01

State Award #

FEIN 135643799 A Phone: 701-355-3500  
Vendor Contact: DORI VIGIL  
Purchase Requisition #:

V  
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DUCKS UNLIMITED INC  
2525 RIVER ROAD  
BISMARCK ND 58503-9011

**INSTRUCTIONS TO VENDOR:**

1. If for any reason, delivery of this order is delayed beyond the delivery/installation date shown, please notify the agency contact named at the top left. (Right of cancellation is reserved in instances in which timely delivery is not made.)
2. All chemicals, equipment and materials must conform to the standards required by OSHA.
3. NOTE: Additional terms and conditions on reverse side.

**Invoice in Triplicate**

To: DIVISION OF WATER CONSERVATION  
1313 SHERMAN STREET, ROOM 721  
DENVER, CO 80203

**Payment will be made by this agency**

Ship To: DIVISION OF WATER CONSERVATION  
1313 SHERMAN STREET, ROOM 721  
DENVER, CO 80203

Delivery/Installation Date: 12-31-15  
F.O.B. DESTINATION STATE PAYS NO FREIGHT

**SPECIAL INSTRUCTIONS:**

LINE ITEM	COMMODITY/ITEM CODE	UNIT OF MEASUREMENT	QUANTITY	UNIT COST	TOTAL ITEM COST
001	91843000000				\$90,828.00
CMS#61033 WSRA GRANT - PREWITT RESERVOIR WETLAND PARTNERSHIP					

THIS PO IS ISSUED IN ACCORDANCE WITH STATE AND FEDERAL REGULATIONS  
This PO is effective on the date signed by the authorized individual.

EPSPO PAA

DOCUMENT TOTAL = \$90,828.00

FOR THE STATE OF COLORADO

*Allen Lutz*  
Authorized Signature

9/18/13  
Date

**Exhibit A**  
**Statement of Work**

**WATER ACTIVITY NAME – Prewitt Reservoir Wetland Partnership**

**GRANT RECIPIENT – Ducks Unlimited, Inc.**

<b>FUNDING SOURCE -</b>	<b>Statewide Account --</b>	<b>\$ 45,414</b>	<b>Basin Account --</b>	<b>\$ 45,414</b>
	<b>Total WSRA --</b>	<b>\$ 90,828</b>		
	<b>Matching Funds --</b>	<b>\$ 292,927</b>		
	<b>TOTAL FUNDS --</b>	<b>\$ 383,755</b>		

**INTRODUCTION AND BACKGROUND**

The goal of the Prewitt Reservoir Wetland Partnership is the enhancement of over 450 acres of wetland habitat immediately associated with Prewitt Reservoir. The marshes and ponds provided along the margins of the reservoir provide some of the highest-quality foraging and roosting sites for populations of waterfowl and other migratory birds. These wetlands also provide recreational opportunities for many Coloradoans, ranging from bird-watching to fishing to waterfowl hunting. The proposed activities will address habitat and recreational opportunities through the development of passive and active water management on both public and private properties surrounding the reservoir. Many of the area's wetlands are flooded through the normal operation of the reservoir. With the installation of water-control structures and suitable excavations, the quality of these areas (or, at least, their persistence) can be increased even under normal water management provided by reservoir operators. Other wetlands in the scope of work can be developed such that active water management improves habitat quality and recreational opportunities. Provision of water for wetland wildlife habitat and waterfowl hunting recreation are two important nonconsumptive needs identified by the South Platte Basin Roundtable. These important goals will be accomplished without any additional diversions on the South Platte River.

**OBJECTIVES**

This project provides for the attainment of these nonconsumptive water supply goals by achieving the following objectives:

- 1.) The enhancement of existing shallow-water basins associated with Prewitt whose disrupted hydrology has resulted in a shift in plant communities and degradation in habitat quality for wildlife;
- 2.) The identification of areas marginal to the reservoir that may be enhanced through the careful excavation of material impeding the natural back-flooding of shallow basins providing the best habitats to birds, other wetland wildlife, as well as fish;

3.) The design and installation of small levees placed (sometimes temporarily) on the margins of the reservoir that would serve both to protect existing infrastructure as well as provide additional flooded shallows.

## **TASKS**

### **TASK 1 – DPG Farms Wetland Enhancements**

#### Description of Task

At least twenty-five years of static water levels in the shallow-water wetlands found on DPG Farms property immediately below Prewitt Reservoir have resulted in monotypic stands of cattail. These stands provide very little benefit to most species of wildlife using wetlands in the Platte basin. Our work will allow managers on the property to manage water levels such that the ponds are dry during the growing season. This will allow treatment of the undesirable stands of vegetation, resulting in higher quality habitat and increased opportunity for waterfowl hunting, including limited public youth access.

#### Method/Procedure

Three techniques will be used to restore vegetation communities to those preferred by migrating waterfowl and other wetland wildlife. First, drainage ditches that have degraded over a century of use will be rehabilitated such that they can again transport water off of the targeted basins during the growing season. Increasing the capacity and flow of these ditches will allow managers to more fully drain basins, allowing better control of vegetation stands there. Second, water-control structures will be installed at key points along the drainage ditches. Finally, select areas of the basins will be treated to set back plant community succession to conditions preferred by the targeted wildlife species.

#### Deliverable

- 1.) As-built electronic file of project design;
- 2.) Enhancement of 107 acres of wetland habitat;
- 3.) Photo-documentation of project impacts; and,
- 4.) A public access agreement with CPW to allow limited public youth waterfowl hunting.

### **TASK 2 – Prewitt Ranch Wetland Enhancements**

#### Description of Task

Prewitt Ranch controls over four miles of the southern shore of Prewitt Reservoir. Most of this length maintains shallow-water wetlands used by thousands of waterfowl and other waterbirds during the spring and fall migration. Our proposed work will identify areas that could provide additional shallow flooded areas under passive water level management as Prewitt fills and drains. Some of these areas are cut-off by sand dams created by ice flows, others by the natural topography of the reservoir edge. Our work will ensure that these areas function better and longer in providing habitat. Additionally, we will identify areas where the installation of low-level berms or levees will protect existing high-quality habitats or other important infrastructure such that high water levels in the reservoir will not negatively impact existing habitats.

#### Method/Procedure

DU has already performed a survey of the site and, through investigation of its topography, identified a series of areas that could receive the treatments described above. We will continue to work with the landowners and with Prewitt Reservoir to develop a final set of construction plans identifying the areas to be excavated and the areas to be filled such that we increase the availability of high-quality flooded areas without impacting the operation of either the reservoir or the ranch. Construction of at least two improved areas is now being contemplated, in addition to breaching sand dams in other strands of the ranch's shore. Levees will be constructed with two-way valves that will allow some degree of water management as the reservoir is filled and drained. This work will benefit the ranch, the owners of the reservoir, and wildlife populations utilizing the shore. Prewitt Ranch, a privately-owned operation, will allow limited public tours of the project area.

#### Deliverable

- 5.) As-built electronic file of project design;
- 6.) Enhancement of 210 acres of wetland habitat;
- 7.) Photo-documentation of project impacts; and,
- 8.) Two annual public tours of the project area.

### **TASK 3 – Prewitt State Wildlife Area Enhancements**

#### Description of Task

Most of the north shore of Prewitt Reservoir is managed for wildlife and public recreation by Colorado Parks and Wildlife as Prewitt Reservoir State Wildlife Area. This 3,000-acre property maintains both shallow-water wetlands and marginal, flooded areas that provide habitat and bird-based recreational opportunities (hunting and bird-watching are both extremely popular on the property). In this task, we will perform the same activities identified above (drainage of monotypic wetland basins and enhancement of flooded shallows). Thus wetland habitat quality will be improved in extent and in time to the benefit of the wetland-associated species and the public using the property.

#### Method/Procedure

Unlike the other two properties identified here, Prewitt SWA has not been surveyed and mapped. We will accomplish this and, in consultation with CPW and Prewitt Reservoir, will identify areas that can be enhanced using the methods identified above. These areas passively receive water under normal reservoir operations and through the appropriate application of (sometimes temporary) embankments and water-control structures achievement of better habitat conditions and more satisfactory recreational opportunities will be achieved.

#### Deliverable

- 9.) Property survey and topographic map;
- 10.) As-built electronic file of project design;
- 11.) Enhancement of 135 acres of wetland habitat; and,
- 12.) Photo-documentation of project impacts.

## BUDGET

### TOTAL COSTS

Task	Labor	Other Direct Costs	Matching Funds	Total Project Costs
1.) DPG Prewitt	7,880	7,500	117,767	133,147
2.) Prewitt Ranch	18,449	9,783	97,663	125,895
3.) Prewitt SWA	17,756	22,244	58,012	98,012
Total Direct Costs	44,085	39,527	273,442	357,054
Indirect (<10%)	3,805	3,411	19,485	26,701
<b>Total Request:</b>		<b>90,828</b>		<b>383,755</b>

### PROJECT PERSONNEL COSTS

Personnel:	DU Engineer Hourly Rate	Regional Engineer Hourly Rate	Regional Biologist Hourly Rate	DU HRC to Date	Total
Tasks	92.00	105.00	105.00	75.00	
1.) DPG Prewitt	80	0	80	246	406
2.) Prewitt Ranch	104	16	80	230	430
3.) Prewitt SWA	176	24	160	0	360
1.) DPG Prewitt	7,360	-	8,400	18,450	34,210
2.) Prewitt Ranch	9,568	1,680	8,400	17,250	36,898
3.) Prewitt SWA	16,192	2,520	16,800	-	35,512
Total Hours	360	40	320	476	1,196
Personnel Costs	33,120	4,200	33,600	35,700	106,620

### OTHER DIRECT EXPENSES

Tasks	Items & Description	Est. Quant.	Unit	Unit Price	Total
1.) DPG Prewitt	a. Mobilization/Preparation	1	LS	8,865.00	8,865
	b. Ditch rehabilitation	3277	LF	4.60	15,083
	c. Embankment construction	1085	CY	7.05	7,649
	d. Water-control structures	4	EA	3,552.50	14,210
	e. HDPE storm drain	143	LF	50.21	7,180
	f. Rip-rap	16	CY	106.00	1,696
	g. Travel	1	LS	3,642.00	3,642
	h. Other payables	1	LS	611.68	612
	i. New ditch rehabilitation	2810	LF	5.00	14,050
	j. New embankment construction	696	CY	5.00	3,480
	k. New water-control structures	2	EA	2,300.00	4,600
	l. New HDPE storm drain	60	LF	50.00	3,000
	m. New rip-rap	8	CY	100.00	800
	n. New travel	20	DAYS	200.00	4,000
	o. New other payables	1	LS	570.00	570
	p. New basin treatments	80	HR	118.75	9,500
2.) Prewitt Ranch	a. Mobilization/Preparation	1	LS	18,813.00	18,813
	b. Excavation/Embankment const.	13851	CY	4.00	55,404
	c. Water-control structures	4	EA	1,000.00	4,000

3.) Prewitt SWA	d. Culvert and pipe installation	136	LF	30.00	4,080
	e. Rip-rap supply and placement	16	CY	100.00	1,600
	f. Travel	23	DAYS	200.00	4,600
	g. Other payables	1	LS	500.00	500
	a. Mobilization/Preparation	1	LS	8,000.00	8,000
	b. Ditch rehabilitation	4300	LF	5.00	21,500
	c. Embankment construction	5000	CY	4.00	20,000
	d. Water-control structures	4	EA	1,000.00	4,000
	e. Travel	40	DAYS	200.00	8,000
	f. Other payables	1	LS	1,000.00	1,000
TOTAL DIRECT EXPENSE					250,434

#### MATCH CONTRIBUTIONS

Project Task	Sources	Grant	Match	In-kind	Total
1.) DPG Prewitt	WSRA	15,380			15,380
	CPW		17,366		17,366
	NAWCA		77,387		77,387
	PLJV		23,014		23,014
					133,147
2.) Prewitt Ranch	WSRA	28,232			28,232
	CPW		28,232		28,232
	NAWCA		55,701		55,701
	PRR		13,730		13,730
					125,895
3.) Prewitt SWA	WSRA	40,000			40,000
	CPW		58,012		58,012
					98,012
Indirect (<10%)	WSRA	7,216			7,216
	CPW		8,942		8,942
	NAWCA		7,373		7,373
	PLJV		1,986		1,986
	PRR		1,185		1,185
					26,701
Total		90,828	292,927	-	383,755

## SCHEDULE

Provide a project schedule including key milestones for each task and the completion dates or time period from the Notice to Proceed (NTP). This dating method allows flexibility in the event of potential delays from the procurement process. Sample schedules are provided below. Please note that these schedules are examples and will need to be adapted to fit each individual application.

TASK			Start Date	End Date
1	a	Design, Permitting and Bid	On-going	Upon NTP
	b	Project Construction	Upon NTP	NTP +600 days
	c	Final Inspection	NTP +600 days	NTP + 720 days
2	a	Design, Permitting and Bid	On-going	Upon NTP
	b	Project Construction	Upon NTP	NTP + 600 days
	c	Final Inspection	NTP +600 days	NTP + 720 days
3	a	Survey & Mapping	Upon NTP	NTP +60 days
	b	Design, Permitting and Bid	NTP + 60 days	NTP +180 days
	c	Project Construction	NTP + 180 days	NTP + 600 days
	d	Final Inspection	NTP +600 days	NTP +720 days

NOTE: Project construction schedule is dependent upon reservoir levels and operations.



# PREWITT RESERVOIR WETLAND PARTNERSHIP

base map

map features



Project Boundary



Targeted Wetland Areas



Property Boundary

N



1 in = 3,000 feet

