

Last Updated: November 2018

Colorado Water Conservation Board

Water Plan Grant Application

Instructions

To receive funding for a Water Plan Grant, applicant must demonstrate how the project, activity, or process (collectively referred to as "project") funded by the CWCB will help meet the measurable objectives and critical actions in the Water Plan. Grant guidelines are available on the CWCB website.

If you have questions, please contact CWCB at (303) 866-3441 or email the following staff to assist you with applications in the following areas:

Water Storage Projects
Conservation, Land Use Planning
Engagement & Innovation Activities
Agricultural Projects
Environmental & Recreation
Projects

Anna.Mauss@state.co.us
Kevin.Reidy@state.co.us
Ben.Wade@state.co.us
Alexander.Funk@state.co.us
Chris.Sturm@state.co.us

FINAL SUBMISSION: Submit all application materials in one email to

waterplan.grants@state.co.us

in the original file formats [Application (word); Statement of Work (word); Budget/Schedule (excel)]. Please do not combine documents. In the subject line, please include the funding category and name of the project.

Water Project Summary

Name of Applicant	Trout Unlimited	
Name of Water Project	Ocate Properties Channel and Irrigation Improvement Project	
CWP Grant Request Amount		\$ 11,589
Other Funding Sources <u>NRCS EQIP</u>		\$ 122,300
Other Funding Sources <u>Land Owner</u>		\$4,700
Applicant Funding Contribution		\$3,000
Total Project Cost		\$ 141,589

Applicant & Grantee Information

Last Updated: November 2018

Name of Grantee(s) Trout Unlimited
Mailing Address: 1777 N. Kent ST Arlington VA
FEIN 38-1612715
Organization Contact Danielle Typinski
Position/Title Grant Compliance Coordinator
Email dtypinski@tu.org
Phone 703-284-9429
Grant Management Contact Jesse Kruthaupt
Position/Title Upper Gunnison Project Specialist
Email jkruthaupt@tu.org
Phone 970-209-0976
Name of Applicant (if different than grantee)
Mailing Address
Position/Title
Email
Phone
Description of Grantee/Applicant
Provide a brief description of the grantee's organization (100 words or less).
Trout Unlimited (TU), the nation's largest coldwater conservation organization, representing more than 150,000 members and volunteers nationwide, including 10,000 in Colorado, has a program in the Upper Gunnison Basin focused on water use solutions that will benefit agricultural operations as well as protect and improve cold water trout habitat. Jesse Kruthaupt works for Trout Unlimited as the upper Gunnison project coordinator.

Last Updated: November 2018

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: Private parties may be eligible for funding.
X	Non-governmental organizations (NGO): Organization that is not part of the government and is non-profit in nature.
	Covered Entity: As defined in Section 37-60-126 Colorado Revised Statutes .

Type of Water Project (check all that apply)	
	Study
X	Construction
	Identified Projects and Processes (IPP)
	Other

Category of Water Project (check the primary category that applies and include relevant tasks)		
	Water Storage - Projects that facilitate the development of additional storage, artificial aquifer recharge, and dredging existing reservoirs to restore the reservoirs' full decreed capacity and Multi-beneficial projects and those projects identified in basin implementation plans to address the water supply and demand gap.. <i>Applicable Exhibit A Task(s):</i>	
	Conservation and Land Use Planning - Activities and projects that implement long-term strategies for conservation, land use, and drought planning. <i>Applicable Exhibit A Task(s):</i>	
	Engagement & Innovation - Activities and projects that support water education, outreach, and innovation efforts. Please fill out the Supplemental Application on the website. <i>Applicable Exhibit A Task(s):</i>	
X	Agricultural - Projects that provide technical assistance and improve agricultural efficiency. <i>Applicable Exhibit A Task(s):</i>	
X	Environmental & Recreation - Projects that promote watershed health, environmental health, and recreation. <i>Applicable Exhibit A Task(s):</i>	
	Other	Explain:

Last Updated: November 2018

Location of Water Project	
Please provide the general county and coordinates of the proposed project below in decimal degrees . The Applicant shall also provide, in Exhibit C, a site map if applicable.	
County/Countries	Gunnison
Latitude	38.229015°
Longitude	-107.074394°

Water Project Overview
<p>Please provide a summary of the proposed water project (200 words or less). Include a description of the project and what the CWP Grant funding will be used for specifically (e.g., studies, permitting process, construction). Provide a description of the water supply source to be utilized or the water body affected by the project, where applicable. 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, and area of habitat improvements, where applicable. If this project addresses multiple purposes or spans multiple basins, please explain.</p> <p>The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, Other Funding Sources/Amounts and Schedule.</p> <p>This project will involve the coordination between the ranch owner, NRCS, USFWS (Partners for fish and Wildlife) and Trout Unlimited to improve irrigation efficiency, wildlife habitat, and watershed health on Cebolla Creek, tributary to the Gunnison River. The project is located 30 miles south of Gunnison, CO in the Powerhorn Valley. Project partners will pipe 750 feet of existing irrigation ditch, construct bank stabilization revetment structures in Cebolla Creek, install riparian fence to manage grazing and restore the woody species component in the riparian plant community, and gain livestock watering facilities away from the creek.</p> <p>Project partners will pipe 750 ft of ditch that runs through the valley to the west side of Cebolla Creek. This ditch is used to irrigate 10 acres of grass hay used for cattle pasture. This project will also restore 1,800 feet of Cebolla Creek. This segment is largely absent of riparian vegetation, has visible signs of erosion and is 20-30% wider than reference reaches on Cebolla Creek. Riparian fence will accompany the in-channel stabilization structures to aid in livestock management on this section of the ranch. This fence will be semi-temporary electric allowing the manager to erect as necessary to schedule livestock management in the restored riparian area as appropriate and remove the barrier to wildlife when the fence is not needed.</p> <p>Design and permitting will be completed by the NRCS and USFWS.</p>

Last Updated: November 2018

Measurable Results		
To catalog measurable results achieved with the CWP Grant funds, please provide any of the following values as applicable:		
	New Storage Created (acre-feet)	
	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive	
	Existing Storage Preserved or Enhanced (acre-feet)	
5,600	Length of Stream Restored or Protected (linear feet)	
60-80 acre feet	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
3.5	Area of Restored or Preserved Habitat (acres)	
	Quantity of Water Shared through Alternative Transfer Mechanisms	
	Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning	
	Number of Coloradans Impacted by Engagement Activity	
	Other	Explain:

Water Project Justification
<p>Provide a description of how this water project supports the goals of Colorado's Water Plan, the most recent Statewide Water Supply Initiative, and the applicable Roundtable Basin Implementation Plan and Education Action Plan. 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).</p> <p>The proposed water project shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan Framework for State of Colorado Support for a Water Project (CWP, Section 9.4, pp. 9-43 to 9-44;)</p> <p>This project will help meet the following 3 of the goals listed in the Gunnison BIP, pp 30-31.</p> <p>Primary Goal:</p> <p><i>1. Protect existing uses-</i> The infrastructure and habitat improvements planned will protect and improve recreational, environmental, and agricultural uses on this property.</p> <p>Complementary Goals</p> <p><i>6. Maintain or, where necessary, improve water quality throughout the Gunnison Basin:</i> The proposed riparian fencing and in channel improvements will reduce erosion and improve channel stability. Over time, it is expected that riparian vegetation will recover and the stream channel will transform to a narrower deeper profile leading to lower water temperatures and providing better refuge for trout.</p> <p><i>7. Describe and encourage the beneficial relationship between agricultural and environmental recreational water uses:</i> This project will encourage well managed grazing to maintain the relationship between agriculture and recreational uses on the property. The riparian fence will allow for livestock utilization and appropriate rest and recovery period for the riparian area.</p> <p>The Colorado Water Plan Water Plan frequently references collaboration and multiple use projects. In section 6.6, page 6-157, the third goal listed is "Support the development of multipurpose projects and</p>

Last Updated: November 2018

methods that benefit environmental and recreational water needs as well as water needs for communities or agriculture". This project will involve coordination between NGO's, private land owner, and federal agencies and address environmental and agricultural water needs.

In on page 1-6 of the Colorado Water plan sites three core water values. The second value is "Efficient and effective water infrastructure promoting smart land use." This project will upgrade ranch infrastructure and demonstrate how irrigation management coupled with scheduled grazing technics and designed habitat improvements can be used to manage healthy riverine ecosystems and productive agriculture.

Related Studies

Please provide a list of any related studies, including if the water project is complementary to or assists in the implementation of other CWCB programs.

Previous CWCB Grants, Loans or Other Funding

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; 6) Percentage of other CWCB funding for your overall project.

Last Updated: November 2018

Grant Name	Agreement Number	Amount	Start Date	End Date
Irrigators in Kremmling	CTGG1 2017-0667	\$465,400	11/29/2011	9/30/2018
Redburn Ranch Diversion Dam	CTGG1 2015-2791	\$148,500	6/1/2015	6/1/2018
San Miguel River Stream Management Plan Pilot	POGG1 2016-0800	\$96,413	3/22/2016	6/1/2018
Ware Hinds Fish Bypass	POGG1 2017-0749	\$63,500	2/14/2017	12/31/2018
Windy Gap Reservoir Bypass	POGG1 2016-0900	\$30,000	5/18/2016	1/31/2017
W-Mountain Ranch Restoration	POGG1 2016-0610	\$15,000	1/8/2015	5/31/2017
Kerber Creek Restoration	POGG1 2015-0286	\$30,000	6/10/2015	10/31/2016
River Ranch Irrigation Diversion	CTGG1 2015-3313	\$113,000	6/9/2015	5/31/2016
South Arkansas River Restoration	POGG1 2015-0175	\$10,000	11/14/2011	10/31/2016
Upper Ohio Creek Flow Restoration	POGG1 2015-0161	\$6,000	4/10/2010	12/31/2014
Tomichi Water Conservation Program	POGG1 2018-901 & 902	\$109,500 (50%)	5/4/2018	5/4/2018
Taxpayer Bill of Rights				
The Taxpayer Bill of Rights (TABOR) may limit the amount of grant money an entity can receive. Please describe any relevant TABOR issues that may affect your application.				
None				

Last Updated: November 2018

Submittal Checklist	
x	I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract .
Exhibit A	
x	Statement of Work ⁽¹⁾
x	Budget & Schedule ⁽¹⁾
	Engineer's statement of probable cost (projects over \$100,000)
	Letters of Matching and/or Pending 3 rd Party Commitments ⁽¹⁾
Exhibit C	
x	Map (if applicable) ⁽¹⁾
	Photos/Drawings/Reports
	Letters of Support (Optional)
	Certificate of Insurance (General, Auto, & Workers' Comp.) ⁽²⁾
	Certificate of Good Standing with Colorado Secretary of State ⁽²⁾
	W-9 ⁽²⁾
	Independent Contractor Form ⁽²⁾ (If applicant is individual, not company/organization)
Engagement & Innovation Grant Applicants ONLY	
	Engagement & Innovation Supplemental Application ⁽¹⁾

Colorado Water Conservation Board
Water Plan Grant - Exhibit A

Statement Of Work	
Date:	1/25/2019
Name of Grantee:	Trout Unlimited
Name of Water Project:	Ocate Properties Irrigation and Stream Improvement
Funding Source:	CWP Grants- Environmental
Water Project Overview:	

Last Updated: November 2018

This project will involve the coordination between the ranch owner, NRCS, USFWS (Partners for fish and Wildlife) and Trout Unlimited to improve irrigation efficiency, wildlife habitat, and watershed health on Cebolla Creek, tributary to the Gunnison River. The project is located 30 miles south of Gunnison, CO in the Powerhorn Valley. Project partners will pipe 750 feet of existing irrigation ditch, construct bank stabilization revetment structures in Cebolla Creek, install riparian fence to manage grazing and restore the woody species component in the riparian plant community, and gain livestock watering facilities away from the creek.

Project partners will pipe 750 ft of ditch that runs through the valley to the west side of Cebolla Creek. This ditch is used to irrigate 10 acres of grass hay used for cattle pasture. This project will also restore 1,800 feet of Cebolla Creek. This segment is largely absent of riparian vegetation, has visible signs of erosion and is 20-30% wider than reference reaches on Cebolla Creek. Riparian fence will accompany the in-channel stabilization structures to aid in livestock management on this section of the ranch. This fence will be semi-temporary electric allowing the manager to erect as necessary to schedule livestock management in the restored riparian area as appropriate and remove the barrier to wildlife when the fence is not needed.

Design and permitting will be completed by the NRCS and USFWS.

Project Objectives:

Tasks	
Task 1 – Irrigation Ditch Pipe	
Description of Task:	

Last Updated: November 2018

Tasks
<p>Project partners will pipe 750 ft of ditch that runs through the valley to the west side of Cebolla Creek. This ditch is used to irrigate 10 acres of grass hay used for cattle pasture. Piping the ditch will allow more efficient delivery of water to the irrigated meadow and pasture. Ditch is located on loamy soils supporting vegetation indicative of well-drained soil, although the stage of the creek directly influences the water table and the potential for seepage throughout the year. This section of ditch requires considerable maintenance, which has typically been completed in the spring during nesting season and during moist soil conditions. In addition to water savings, annual disturbance at critical times will be greatly reduced.</p>
<p>Method/Procedure:</p> <p>The pipe will be designed by NRCS staff to meet NRCS specifications. N-12 ADS or similar HDPE pipe will be used. Pipe will be installed by a contractor selected by project partners based on the following qualifications; experience, cost, and availability to complete the project within the proposed time frame. An inlet structure and outlet structure will also be constructed during this task. Planed completion date for this task is December 1, 2020.</p>
<p>Deliverable:</p> <p>Copy of design Specifications</p> <p>Before/after photo points of ditch/pipe and report summarizing completion.</p>

Last Updated: November 2018

Tasks	
Task 2 – Channel Stabilization Structures	
Description of Task:	
<p>This task will involve that construction of 4-6 bank stabilization structures on the section for Cebolla Creek flowing through the property. These structures will be placed in areas where the banks are eroded and passive restoration technics will not be effective to promote timely recovery. The constructed structures will also improve channel sinuosity and provide habitat for trout and other aquatic species.</p>	
Method/Procedure:	
<p>The bank stabilization structures will be designed by NRCS staff to meet NRCS and Army Corps channel design specifications. Permitting from the Army Corps will be completed by NRCS or Trout Unlimited staff. The work will be completed to specification by a qualified contractor selected by project partners. Trout Unlimited will assist the landowner and NRCS staff to oversee the construction.</p> <p>Planed completion date for this task is December 1, 2021.</p>	
Deliverable:	
<p>Copy of Design specifications</p> <p>Before/After photo points and report summarizing completion of restoration work.</p>	

Tasks
Task 3 – Riparian Fence



Last Updated: November 2018

Tasks
<p>Description of Task:</p> <p>This task will involve the construction of 6730 feet of riparian fence to aid in the management of grazing livestock. The fence will have permanent posts, and 2 strands electric wire. The owner will have the ability to easily put the wire up when necessary and take the wire down as desired. This will reduce upfront and maintenance costs and will be less likely to interfere with wildlife migration.</p>
<p>Method/Procedure:</p> <p>The fence will be designed by NRCS staff to meet NRCS specifications. It will be provide a 20 ft (average) buffer from creek bank to the pasture. An experienced contractor will be hired to construct the fence.</p>
<p>Deliverable:</p> <p>Photos and report of completed fence</p> <p>Monitoring report of vegetation transects and photo points or enclosed riparian area.</p>

Repeat for Task 3, Task 4, Task 5, etc.

Last Updated: November 2018

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

Progress Reports: The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of issuance of a purchase order, or the execution of a contract. The progress report shall describe the status of the tasks identified in the statement of work, including a description of any major issues that have occurred and any corrective action taken to address these issues.

Final Report: At completion of the project, the applicant shall provide the CWCB a Final Report on the applicant's letterhead that:

- Summarizes the project and how the project was completed.
- Describes any obstacles encountered, and how these obstacles were overcome.
- Confirms that all matching commitments have been fulfilled.
- Includes photographs, summaries of meetings and engineering reports/designs.

The CWCB will pay out the last 10% of the 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 purchase order or grant will be closed without any further payment.

Payment

Payment will be made based on actual expenditures and must include invoices for all work completed. The request for payment must include a description of the work accomplished by task, an estimate of the percent completion for individual tasks and the entire Project in relation to the percentage of budget spent, identification of any major issues, and proposed or implemented corrective actions.

Costs incurred prior to the effective date of this contract are not reimbursable. The last 10% of the entire grant will be paid out when the final deliverable has been received. All products, data and information developed as a result of this contract must be provided to CWCB in hard copy and electronic format as part of the project documentation.

Performance Measures

Performance measures for this contract shall include the following:

(a) Performance standards and evaluation: Grantee will produce detailed deliverables for each task as specified. Grantee shall maintain receipts for all project expenses and documentation of the minimum in-kind contributions (if applicable) per the budget in Exhibit B. Per Water Plan Grant Guidelines, the CWCB will pay out the last 10% of the 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 purchase order or grant will be closed without any further payment.

(b) Accountability: Per Water Plan Grant Guidelines full documentation of project progress must be submitted with each invoice for reimbursement. Grantee must confirm that all grant conditions have been complied with on each invoice. In addition, per Water Plan Grant Guidelines, Progress Reports must be submitted at least once every 6 months. A Final Report must be submitted and approved before final project payment.

Last Updated: November 2018

Performance Measures

- (c) Monitoring Requirements: Grantee is responsible for ongoing monitoring of project progress per Exhibit A. Progress shall be detailed in each invoice and in each Progress Report, as detailed above. Additional inspections or field consultations will be arranged as may be necessary.
- (d) Noncompliance Resolution: Payment will be withheld if grantee is not current on all grant conditions. Flagrant disregard for grant conditions will result in a stop work order and cancellation of the Grant Agreement.



COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

Colorado Water Conservation Board

Exhibit B

Budget and Schedule

Prepared Date: 1/22/2019

Name of Applicant: Trout Unlimited

Name of Water Project: Ocate Properties Channel and Irrigation Improvement Project

Project Start date: 6/1/2019

Project End Date: 6/1/2022

Task No.	Task Description	Start Date	End Date	Unit	Water Plan Grant Funding Request	Match LandOwner	Cash Match NRCS	Inkind Match TU	Total
1	Irrigation Pipe and installation	5/1/2019	6/1/2022	82.66/ft	\$0.00	\$2,000.00	\$60,000.00	\$0.00	\$62,000.00
2	Bank Stablization Structures	6/1/2019	6/1/2022	12.26/ft	\$5,000	\$2,700	\$59,000	\$2,000	\$68,700
3	Riparian Fence	6/1/2019	6/1/2022	18.43/ft	\$5,000	\$0	\$3,300	\$1,000	\$9,300
5	Grant Administration				\$1,589	\$0	\$0	\$0	\$1,589
Total					\$11,589	\$4,700	\$122,300	\$3,000	\$141,589

Exhibit C. Map and Photos

Property



Property Regional



Photos





February 1, 2019

Colorado Water Conservation Board
1313 Sherman St., Room 718
Denver, CO 80203
Colorado Water Plan Grants
Environmental Recreation Category

Dear Mr. Sturm,

Ocate Properties, LLC requested the assistance of the Natural Resources Conservation Service to develop a conservation plan that meets their objectives and addresses resource concerns on a property encompassing roughly one stream mile of Cebolla Creek in Gunnison County. The sole member of Ocate Properties, LLC, Michael Shaefer, has made it clear that he wants to do what is best for the land. He wishes to manage the property in a way that supports sustainable agriculture while promoting wildlife habitat that allows for the long-term enjoyment of the property's resources and beauty. Although ample improvements have been made by Michael since the acquisition by Ocate Properties, LLC, considerable opportunities to meet these objectives remain. Due to past willow removal and the unrestricted access of cattle to the creek, the streambanks have been largely denuded leading to degraded habitat conditions for various aquatic and upland wildlife species. Limited infrastructure has contributed to management challenges on the property and has maintained a one pasture system with livestock primarily watering from the creek. Additional challenges in managing irrigation water conveyance to the property have been encountered. These challenges lead to frequent disturbance along the ditch from management needed to deliver water to the property. The debris and vegetation accumulation in the ditch continually minimize the system capability and lead to irrigation water management issues and poor efficiency of the system. The participant has selected alternatives, including riparian restoration with streambank stabilization, fencing, livestock watering facilities, and irrigation pipeline to address the identified issues in a way that will promote long term benefits to wildlife habitat, water quality, irrigation efficiency, and pasture health. Ocate Properties, LLC has submitted Environmental Quality Incentives Program applications to gain financial assistance for implementing the conservation plan. Through collaboration with partners, including Trout Unlimited and United States Fish and Wildlife Service, further expertise and resources ensure that the planned effort will capitalize on the opportunity to implement a first-class conservation project when necessary funding is secured.

Sincerely,

Dan Olson
NRCS Resource Conservationist
Gunnison Field Office

Helping People Help the Land

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