



Last Updated: July 2017

## 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:

Supply and Demand Gap Projects: Rebecca.Mitchell@state.co.us

Water Storage Projects: Anna.Mauss@state.co.us

Conservation, Land Use Planning: Kevin.Reidy@state.co.us

Education & Innovation Activities: Mara.MacKillop@state.co.us

Agricultural Projects: Gregory.Johnson@state.co.us

Environmental & Recreation Projects: Linda.Bassi@state.co.us

Applicants interested in submitting an ‘Intent to Apply’ in the future are encouraged to check here ☐ and fill in all sections with the best information available at the time. Exhibits excluded.

This “Intent to Apply” will help CWCB prioritize Projects that are not ready for fully completed Water Plan Grant Application due to the initial timeframe and deadlines required.

#### Water Project Summary

Name of Applicant	Trout Unlimited	
Name of Water Project	Needle Rock Ditch Diversion Modification	
CWP Grant Request Amount		\$ 20,000
Other Funding Sources <u>CRWCD</u>		\$ 10,000
Other Funding Sources <u>Partner Funding</u>		\$ 7,000
Applicant Funding Contribution: TU		\$ 3,000
Total Project Cost		\$ 40,000



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Applicant & Grantee Information	
Name of Grantee(s)	Trout Unlimited
Mailing Address	1777 N. Kent St. Suite 100
FEIN	38-1612715
Organization Contact	Cary Denison
Position/Title	Gunnison Basin Project Manager
Email	<a href="mailto:cdenison@tu.org">cdenison@tu.org</a>
Phone	970-596-3291
Grant Management Contact	Danielle Typinski
Position/Title	Grants Compliance Coordinator
Email	<a href="mailto:dtypinski@tu.org">dtypinski@tu.org</a>
Phone	703-522-0200
Name of Applicant (if different than grantee)	
Mailing Address	
Position/Title	
Email	
Phone	



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### Description of Grantee/Applicant

Provide a brief description of the grantee's organization (100 words or less).

Trout Unlimited (TU) is the nation's largest cold water conservation organization with approximately 150,000 volunteers and roughly 277 employees working to protect, reconnect, restore and sustain America's fisheries

In the Gunnison Basin, TU managed the diversion modification of the Relief Ditch on the Gunnison River that removed a barrier to native fish and wild trout as well as provided safe boater passage, improved irrigation water control, and restored riparian habitat. TU has been instrumental in the implementation of numerous other restoration and water conservation project in the Gunnison Basin and throughout Colorado.



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Type of Eligible Entity (check one)	
	<b>Public (Government):</b> 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.
	<b>Public (Districts):</b> Authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises.
	<b>Private Incorporated:</b> Mutual ditch companies, homeowners associations, corporations.
	<b>Private Individuals, Partnerships, and Sole Proprietors:</b> Private parties may be eligible for funding.
X	<b>Non-governmental organizations (NGO):</b> Organization that is not part of the government and is non-profit in nature.
	<b>Covered Entity:</b> As defined in <a href="#">Section 37-60-126 Colorado Revised Statutes</a> .

Type of Water Project (check all that apply)	
	Study
X	Construction
	Identified Process or Program
	Other

Category of Water Project (check all that apply)	
X	Supply and Demand Gap Projects - Multi-beneficial projects and those projects identified in basin implementation plans to address the water supply and demand gap. (Applicable Exhibit A Task(s) Task - Design of stream flow measurement station Task 4 - Stream gauge instrumentation purchase and installation
	Water Storage Projects - Projects that facilitate the development of additional storage, artificial recharge into aquifers, and dredging existing reservoirs to restore the reservoirs' full decreed storage capacity. (Applicable Exhibit A Task(s) _____)
	Conservation and Land Use Planning Projects - Activities and projects that implement long-term strategies for conservation, land use, and drought planning. (Applicable Exhibit A Task(s) _____)
X	Engagement & Innovation Projects - Activities and projects that support water education, outreach, and innovation efforts. Please fill out the Supplemental Application available on the website. (Applicable Exhibit A Task(s): Task 5 – Project Outreach and Education
X	Agricultural Projects - Projects that provide technical assistance and improve agricultural efficiency. Applicable Exhibit A Task(s): Task 2- Stream gauge engineering and design Task 4- Stream gauge instrumentation purchase and installation



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X	Environmental & Recreation Projects – Projects that promote watershed health, environmental health, and recreation. Applicable Exhibit A Task(s): Task 1 - Fish passage channel design and engineering Task 3- Construction	
	Other	Explain:



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### 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/Counties	Delta County
Latitude	38.727831
Longitude	-107.530683

### Water Project Overview

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.  
The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, Other Funding Sources/Amounts and Schedule.

Trout Unlimited with assistance from the Needle Rock Ditch Company, Colorado River District, Western Slope Conservation Center, and local stakeholders will modify the diversion structure of the Needle Rock Ditch diversion to allow fish to pass the upstream over the diversion, which is a barrier to all fish during most flow conditions. Additionally TU and partners will add remotely monitored flow measurement gauging station to Smith Fork Creek at the diversion

The Needle Rock Ditch often diverts the bulk of the flows in the creek leaving little water available for fish habitat below the diversion. Fish that migrate below the diversion during high spring run-off

The addition of a fish passage to the diversion dam will reduce fish loss, bolstering the number of wild fish in the Smith Fork and improve recreational opportunities on the creek.

Real-time stream flow monitoring will help the Crawford Water Conservancy District, other irrigators and the Division of Water Resources monitor flows in the creek allowing for improved management diversions and of stored water deliveries to downstream water users. The improvement will also help water managers track flow conditions and trends in the Smith Fork, which has not been gauged since 1994.



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## Water Project Overview

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## 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)
6 miles	Length of Stream Restored or Protected (linear feet)
100 acre-feet	Efficiency Savings (indicate acre-feet/year OR dollars/year)
	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



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Measurable Results		
X	Other	Explain: Raise public awareness about watershed health and improve water management by providing information about stream flows.

Water Project Justification
<p>Provide a description of how this water project supports the goals of <a href="#">Colorado's Water Plan</a>, the most recent <a href="#">Statewide Water Supply Initiative</a>, and the applicable Roundtable <a href="#">Basin Implementation Plan</a> and <a href="#">Education Action Plan</a>. 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>As emphasized in Chapter 1 of Colorado's Water Plan, this is a collaborative project that will compliment two of the three values listed in the same chapter; "Efficient and effective water infrastructure promoting smart land use; and a strong environment that includes healthy watersheds, rivers and streams, and wildlife." (Chapter 1, page 6 CWP)</p> <p>Installation of stream measurement at the Needle Rock diversion will help local water managers react to variable flow conditions, which is mentioned in Chapter 4 of the Water Plan as a future challenge. Chapter 6.2, Water Supply Management, mentions that the Gunnison Basin has agricultural water shortages. These shortages are obvious during low flow years like 2002 when many water users in the system were out of water in July. Agricultural water use in the Gunnison Basin and likely in the Smith Fork Drainage is less than 40% efficient. The measurement component of this project will help monitor water availability for more precise deliveries, while addressing other environmental needs, which will create the building block for adapting to water shortages.</p> <p>As mentioned on page 15 of Chapter 5 Water Demands, scientists predict that increasing temperatures, as a result of climate change, will reduce coldwater habitat for trout. Removing barriers allowing trout to seek refuge in colder waters, like those above diversions, is an important adaptive measure to sustain fisheries.</p> <p>The barrier removal and water measurement will build upon the Smith Fork of the Gunnison Watershed Assessment Completed by the Western Slope Conservation Center in Paonia on December 30, 2016 as well as the RCPP efforts being undertaken by the Colorado River District and partners. This report and engineering work through the RCPP process is a foundation for a Stream Management Plan as recommended in section 6.6 Environmental and Recreational Projects and Methods of chapter 6 of the Water Plan.</p> <p>This project will help the State of Colorado and local water users and interest groups meet the goals following goals which are listed on page 4 of Chapter 10 of the Water Plan.</p> <ol style="list-style-type: none"> <li>1. A productive economy that supports vibrant and sustainable cities; viable and productive agriculture; and a robust skiing, recreation, and tourism industry.</li> <li>2. Efficient and effective water infrastructure; and</li> <li>3. A strong environment that includes healthy watersheds, river, streams and wildlife.</li> </ol> <p>The following goals established by the Gunnison Basin Roundtable in their Basin Implementation Plan</p>



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### Water Project Justification

will be met by the project:

1. (1) Protect existing water rights in the Gunnison Basin
2. (5) Quantify and protect environmental and recreational water uses.
3. (7) Describe and encourage the beneficial relationship between agriculture and environmental and recreational uses.
4. (8) Restore, maintain, and modernize critical water infrastructure including hydropower.
5. (9) Create and maintain active, relevant and comprehensive public education, outreach and stewardship processes involving water resources in the six sector of the Gunnison Basin.

Additionally, the proposed diversion modification and measurement project will serve as a valuable example to help guide future multi-purpose project in the Smith Fork watershed and elsewhere in the Gunnison Basin.

### 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.

Draft Watershed Plan and Environmental Assessment for the Lower Gunnison Project, U.S. Department of Agriculture, Natural Resource Conservation Service, Colorado. July 2017

Numerous studies exist that describe how barriers negatively impact fisheries including the following: (<http://cpw.state.co.us/learn/Pages/RA-Fish-Barrier-Studies.aspx>)

Colorado Parks and Wildlife, with assistance from Trout Unlimited, completed a survey of the fishery above and immediately below the Needle Rock Diversion on July 19, 2017. The preliminary results suggest that healthy populations of wild trout exist above the diversion and many trout are stranded downstream of the diversion.

Smith Fork of the Gunnison Watershed Assessment, Western Slope Conservation Center, December 30, 2016.

### 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.



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### **Previous CWCB Grants, Loans or Other Funding**

No CWCB funds have been used on this project.

Needle Rock Ditch Company and Colorado River Water Conservation District has contracted with Applegate Engineering to perform the diversion, screen and piping project design and engineering using NRCS RCPP funds. The considered fish passage and stream measurement will complement the improvements to the ditch, reducing construction and design costs. Through the NRCS RCPP Lower Gunnison Project the ditch headgate will be modified, 1000 feet of pipe will be installed in the ditch, and remote flow monitoring and control will be added to the diversion at an estimated cost of \$23,000. This investment in monitor and control for the diversion is expected to greatly reduce the cost of stream flow measurement equipment and installation.

### **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





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Submittal Checklist	
	I acknowledge the Grantee will be able to contract with CWCB using the <a href="#">Standard Contract</a> .
Exhibit A	
	Statement of Work <sup>(1)</sup>
	Budget & Schedule <sup>(1)</sup> ( <i>Spreadsheet</i> )
	Letters of Matching and/or Pending 3 <sup>rd</sup> Party Commitments <sup>(1)</sup>
Exhibit B	
	Map <sup>(1)S</sup>
	Photos/Drawings/Reports
Pending	Letters of Support (Support letter from Basin Roundtable encouraged)
	Certificate of Insurance (General, Auto, & Workers' Comp.)
	Certificate of Good Standing with Colorado Secretary of State <sup>(2)</sup>
	W-9 <sup>(2)</sup>
	Independent Contractor Form <sup>(2)</sup> (If applicant is individual, not company/organization)
Engagement & Innovation Grant Applicants ONLY	
	Engagement & Innovation Supplemental Application <sup>(1)</sup>

(1) Required with application.

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



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## Colorado Water Conservation Board

### Water Plan Grant - Exhibit A

#### Statement Of Work

<b>Date:</b>	<b>7/27/17</b>
<b>Name of Applicant:</b>	<b>Trout Unlimited</b>
<b>Name of Water Project:</b>	<b>Needle Rock Diversion Modification and Stream Measurement</b>
<b>Funding Source:</b>	<b>Environmental and Recreation Projects</b>

**Water Project Overview:** Please provide a summary of the proposed water project (200 words or less). The same summary can be used from Page 5 of the CWP Grant Application.

Trout Unlimited with assistance from the Needle Rock Ditch Company, Colorado River District, Western Slope Conservation Center, and local stakeholders will modify the diversion structure of the Needle Rock Ditch diversion to allow fish to pass the upstream over the diversion, which is a barrier to all fish during most flow conditions, and add remotely monitored flow measurement to Smith Fork Creek at the diversion

The Needle Rock Ditch often diverts the bulk of the flows in the creek leaving little water available for fish habitat below the diversion. Fish that migrate below the diversion during high spring run-off

The addition of a fish passage to the diversion dam will reduce fish loss, bolstering the number of wild fish in the Smith Fork and improve recreational opportunities on the creek.

The addition of real-time stream flow monitoring will help the Crawford Water Conservancy District, other irrigators and the Division of Water Resources monitor flows in the creek allowing for improved management diversions and of stored water deliveries to downstream water users. The improvement will also help water managers track flow conditions and trends in the Smith Fork, which has not been gauged since 1994.

**Objectives:** List the objectives of the project.

1. To reconnect approximately 2 miles of the Smith Fork with the upper reaches of the creek.
2. To provide passage for rainbow, brown, brook, and cutthroat trout as well as speckled dace and mottled sculpin at most flow regimes.
3. Provide stream flow gauging that is off-site accessible.
4. Improve the populations of sport fish in the Smith Fork drainage for improved recreational angling opportunities.
5. Improve populations of all fish as well as the riparian ecosystem in the Smith Fork drainage.
6. To demonstrate the viability of projects like this where similar conditions exist in the Gunnison Basin.
7. To continue to build a precedent of cooperation between consumptive and non-consumptive uses that result in improved rivers and streams.



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Tasks	
Provide a detailed description of each project task using the following format:	
<b>Task 1 – Fish passage channel design review</b>	
Description of Task:	
<p>The fish passage design, which will be completed by the engineers selected to design the irrigation infrastructure upgrades with help from specialists in fish passage design, will be reviewed prior to releasing plans to construction contractor.</p>	
Method/Procedure:	
<p>TU will and project partners will evaluate the design of the fish passage channel and determine if the design will meet the project objectives. Through this process professionals in the fish passage field will be consulted to review the design.</p>	
Grantee Deliverable: Describe the deliverable the grantee expects from this task	
Consulting engineers opinion of design along with recommendations for improvements to the design.	
CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task	
Project update with copy of design and list of recommendations for improvement if any are rendered.	



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Tasks
Provide a detailed description of each task using the following format:
<b>Task 2 – Stream gauge engineering and design</b>
<p>Description of Task:</p> <p>Project partners including TU and the CRWCD will work with the engineers who are designing the diversion modifications and SCADA improvements, Needle Rock Ditch Company, Crawford Water Conservancy District, Division of Water Resources, USGS and other parties to develop a plan to implement stream gauging of the Smith Fork at the Needle Rock Ditch diversion. The remotely monitored stream gauging will be completed in concert with the SCADA improvements to the diversion of the Needle Rock Ditch through the Lower Gunnison RCPP project.</p>
<p>Method/Procedure:</p> <p>Partners will identify the common goals for the stream gauge, including how the gauge will be used to improve water deliveries and water conservation projects in the future, to create a plan for installing necessary hardware.</p>
<p>Grantee Deliverable: Describe the deliverable the grantee expects from this task</p> <p>Description of hardware necessary for achieving project goals within the budget and instructions pertaining to installation and use.</p>
<p>CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task</p> <p>Description of hardware installed and how the gauge will be used to meet project goals.</p>



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Tasks
Provide a detailed description of each task using the following format:
<b>Task 3 – Construction</b>
Description of Task:
TU will work with the contractor(s) selected by the Needle Rock Ditch Company to complete the pipe installation and headgate reconfiguration to construct the fish passage and install the stream gauge as designed by the engineers. If the contractor who will be working on the diversion and ditch improvements needs technical support, TU will assist project partners with selecting a contractor who is experienced with instream work of this nature to complete the project.
Method/Procedure:
Work with engineers, CRWCD staff, Needle Rock Ditch board of directors, and the selected contractor to install the fish passage structure and the stream gauge. TU and partners will assist contractor(s) with implementation of fish passage design and stream gauging instrumentation.
Grantee Deliverable: Describe the deliverable the grantee expects from this task
Fish passage channel and adequate stream flow gauging will be installed at the Needle Rock Ditch Diversion.
CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task
Project updates that detail construction and installation process.

Tasks
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Tasks
Provide a detailed description of each task using the following format:
<b>Task 4 – Stream gauge instrumentation purchase and installation</b>
Description of Task:
Stream gauge instrumentation, as described by deliverables in task #2, will be purchased and installed and tested.
Method/Procedure:
TU will purchase the necessary hardware and will work with the contractor and project partners to have the instruments installed.
Grantee Deliverable: Describe the deliverable the grantee expects from this task
TU expects a fully functioning stream gauging station that allows for real time monitoring of flows in the Smith Fork Creek at the Needle Rock Ditch diversion.
CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task
Project updates that describe how the stream gauging hardware will operate.

Tasks
Provide a detailed description of each project task using the following format:



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Tasks	
<b>Task 5 – Project Outreach and Education</b>	
Description of Task:	
<p>Project partners including TU, Western Slope Conservation Center, CRWCD, Crawford Water Conservancy District, Colorado Parks and Wildlife, and Needle Rock Ditch Company will convene 3 meetings with local water users and other interested parties to discuss the implementation of the project and how the project will affect the fishery and water use in the Smith Fork watershed.</p>	
Method/Procedure:	
<p>An initial project kick-off meeting will be held once project funds are secured to gather information from concerned parties about the impacts of the project and how the implementation may affect their use of the resource. At the approximate half-way point in the project a meeting of interested parties will be held to discuss how the project is moving forward and to provide information about the design and construction process. A final meeting will be held once project construction is complete to inform the public and partners on how the expected effects on the watershed.</p>	
Grantee Deliverable: Describe the deliverable the grantee expects from this task	
<p>The grantee expects to receive valuable information from local users that can be used to guide the project. We also hope to gain a better understanding of concerns local water users have about the health of the watershed and use of the waters.</p>	
CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task	
<p>Detailed descriptions about these meetings in project updates.</p>	

Tasks	
Provide a detailed description of each project task using the following format:	
<b>Task 6 – Project management</b>	



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Tasks	
Description of Task:	<p>Trout Unlimited will manage the allocation of grant and other project funds to implement the tasks described herein. This task will include working with project partners, contractors, land owners, state and local agencies to ensure that all tasks related to this project are completed in a satisfactory manner.</p>
Method/Procedure:	<p>TU will engage with project partners, contractors, and funders to make sure tasks are completed in a timely and efficient manner. TU will assist with processing of invoices for contractors. Project partners will be engaged by TU, throughout the project, in order to maintain open lines of communication and to make sure project goals are being met. TU will also provide project updates to funders.</p>
Grantee Deliverable: Describe the deliverable the grantee expects from this task	<p>Efficient and timely implementation of the passage and measurement project.</p>
CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task	<p>A single point of contact for this project and project invoicing and updates and final report.</p>

Budget and Schedule
<p>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.</p>



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## 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. The CWCB may withhold reimbursement until satisfactory progress reports have been submitted.

**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 withhold disbursement the last 10% of the budget until 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.



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**COLORADO**

Colorado Water  
Conservation Board

Department of Natural Resources

## Colorado Water Conservation Board

### Water Plan Grant - Exhibit A Budget and Schedule

Date:

Name of Applicant:

Name of Water Project:

Task No.	Task Description	Start Date <sup>(1)</sup>	End Date	Grant Funding	Match Funding	Total
1	Fish passage channel design review	1-Feb-18	15-Jun-18	\$1,000	2,000	\$3,000
2	Stream gauge design and engineering	1-Feb-18	15-Jun-18	\$500	\$1,000	\$1,500
3	Construction	1-Sept-18	1-Jan-19	\$16,000	\$10,000	\$26,000
4	Stream gauge instrumentation purchase and installation	1-Sept-18		\$2,500	\$1,000	\$3,500
5	Project Outreach and Education	January 15, 2018	1-Apr-19	\$0	\$1,500	\$1,500
6	Project Management and Administration	January 15, 2019	1-Apr-19	\$0	\$4,500	\$4,500
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
<b>Total</b>				<b>\$20,000</b>	<b>\$20,000</b>	<b>\$40,000</b>

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

• 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 grantee enters contract and receives formal NTP if

• The applicant shall provide a progress report every 6 months, beginning from the date of contract execution.

• CWCB will withhold disbursement of the last 10% of the total grant amount until a Final Report is completed to the satisfaction of CWCB staff





CDSS

Colorado's Decision Support Systems

## Needle Rock Ditch Diversion



### Legend

- County
- Citations

### Location



### Notes

1.77 0 0.89 1.77 Miles

1: 56,128



This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

Date Prepared: 7/31/2017 6:48:53 PM











WESTERN SLOPE  
CONSERVATION  
CENTER



The Western Slope Conservation Center  
204 Poplar Ave  
PO Box 1612  
Paonia, CO 81428  
970-527-5307

Dear Ms. Bassi,

I am writing to express my support for Trout Unlimited (TU) and the proposed project to improve the ecological resiliency of the Smith Fork by installing a fish passage structure and instream flow meter at the Needle Rock ditch diversion.

Implementing the proposed project will help fulfill Goals #1, #3 and #5 as outlined in the Smith Fork of the Gunnison River Watershed Assessment completed in 2016 by the Western Slope Conservation Center. The proposed project will provide improved instream connectivity between existing habitat for fish populations. Additionally, the installation of flow metrics will improve water resource management for the Smith Fork, and provide accurate information for future decision making. The project as described also serves as an educational outreach opportunity to local communities, increasing local awareness of ecologically cooperative water resource management.

The Western Slope Conservation Center's (WSCC) 40-year history of watershed resource protection and instream infrastructure improvement on the North Fork of the Gunnison River. Professional staff will assist the project by contributing in-kind hours and resources towards supporting the implementation of this project through education and public outreach. WSCC will also assist TU and the Needle Rock Ditch Co. in the effective implementation and alignment of the Smith Fork of the Gunnison Watershed Assessment, RCPP Goals and Actions, and the Colorado Water Plan.

Sincerely,

A handwritten signature in black ink, appearing to read "Jake Hartter", with a stylized flourish at the end.

Jake Hartter  
Watershed Coordinator  
WSCC