

The Gunnison Basin Roundtable  
P. O. Box 544  
Lake City, CO 81235

June 6, 2012

Mr. Todd Doherty  
Intrastate Water Management and Development Section  
COLORADO WATER CONSERVATION BOARD  
1580 Logan Street, Suite 600  
Denver, CO 80203

Re: Grant Request from the Water Supply Reserve Account  
Trout Unlimited  
Relief Ditch Diversion Modification Construction

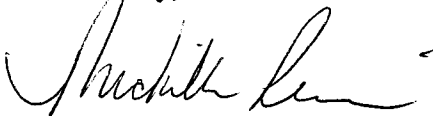
Dear Mr. Doherty:

This letter is presented to advise you that the grant application submitted by Trout Unlimited for \$10,000 from Basin Account funds and \$40,000 from Statewide Account funds for the Relief Ditch Diversion Modification Construction project was reviewed by the Gunnison Basin Roundtable and its Project Screening Committee, recommended for approval by that committee, and approved by a unanimous vote of the Gunnison Basin Roundtable during our meeting on June 4, 2012.

This water activity meets the provisions of Section 37-75-104(2), Colorado Revised Statutes. The requirements/language from the statute is provided in Part 3 of the Criteria and Guidelines.

This activity furthers the Gunnison Basin Roundtable's ongoing basin-wide water needs assessment process in that it will improve safe access for recreational boaters, improve fisheries habitat, while improving control of diversions by a senior water user.

Sincerely,



Michelle Pierce  
Chair

Cc: Tom Alvey (e-mail)



# COLORADO WATER CONSERVATION BOARD



## WATER SUPPLY RESERVE ACCOUNT APPLICATION FORM

Relief Ditch Diversion Modification Construction

### Name of Water Activity/Project

Trout Unlimited

### Name of Applicant

Cary Denison, Gunnison  
Basin Project  
Coordinator

Amount from Statewide Account:

\$40,000

Amount from Basin Account(s):

\$10,000

Total WSRA Funds Requested:

\$50,000

### Approving Basin Roundtable(s)

*(If multiple basins specify amounts in parentheses.)*

## Application Content

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### Required Exhibits

- A. Statement of Work, Budget, and Schedule
- B. Project Map
- C. As Needed (i.e. letters of support, photos, maps, etc.)

### Appendices – Reference Material

- 1. Program Information
- 2. Insurance Requirements
- 3. WSRA Standard Contract Information (Required for Projects Over \$100,000)
- 4. W-9 Form (Required for All Projects Prior to Contracting)

## Water Supply Reserve Account – Application Form

Revised December 2011

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### **Instructions**

To receive funding from the Water Supply Reserve Account (WSRA), a proposed water activity must be approved by the local Basin Roundtable **AND** the Colorado Water Conservation Board (CWCBC). The process for Basin Roundtable consideration and approval is outlined in materials in Appendix 1.

Once approved by the local Basin Roundtable, the applicant should submit this application **with a detailed statement of work including budget and schedule as Exhibit A** to CWCBC staff by the application deadline.

WSRA applications are due with the roundtable letter of support 60 calendar days prior to the bi-monthly Board meeting at which it will be considered. Board meetings are held in January, March, May, July, September, and November. Meeting details, including scheduled dates, agendas, etc. are posted on the CWCBC website at: <http://cwcb.state.co.us> Applications to the WSRA Basin Account are considered at every board meeting, while applications to the WSRA Statewide Account are only considered at the March and September board meetings.

When completing this application, the applicant should refer to the WSRA Criteria and Guidelines available at: <http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Documents/WSRACriteriaGuidelines.pdf>

The application, statement of work, budget, and schedule **must be submitted in electronic format** (Microsoft Word or text-enabled PDF are preferred) and can be emailed or mailed on a disk to:

Greg Johnson – WSRA Application  
Colorado Water Conservation Board  
1580 Logan Street, Suite 200  
Denver, CO 80203  
[gregory.johnson@state.co.us](mailto:gregory.johnson@state.co.us)

If you have questions or need additional assistance, please contact Greg Johnson at: 303-866-3441 x3249 or [gregory.johnson@state.co.us](mailto:gregory.johnson@state.co.us).

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### Part I. - Description of the Applicant (Project Sponsor or Owner);

1.	Applicant Name(s):	Trout Unlimited		
	Mailing address:	239 Grand Avenue, Delta CO 81416		
	Taxpayer ID#:	38 1612715		
	Primary Contact:	Cary Denison	Position/Title:	Project Coordinator
	Email:	cdenison@tu.org		
	Phone Numbers:	Cell: 970-596-3291	Office:	970-874-0596
	Alternate Contact:	George Osborn	Position/Title:	Project Manager
	Email:	gmosbo@tds.net		
	Phone Numbers:	Cell: (970) 433-5649	Office:	(970) 872-3564

### 2. Eligible entities for WSRA funds include the following. What type of entity is the Applicant?

- ☐ Public (Government) – municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities and the local entity should be the grant recipient. 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.
- ☒ Non-governmental organizations – broadly defined as any organization that is not part of the government.

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3. Provide a brief description of your organization

Trout Unlimited (“TU”) is the nation’s leading cold water conservation organization with more than 150,000 members across the United States including 230 members in Delta, Montrose, Ouray, and San Miguel counties represented by the local TU chapter of Gunnison Gorge Anglers (GGA). TU is dedicated to projects that protect, reconnect, restore and sustain fisheries. In this effort we lead and collaborate in projects like the Relief Ditch Irrigation Modification Project which will benefit the health of the river as well as the water users. Trout Unlimited has been integral in projects across the West where they have partnered with ranchers and farmers on pragmatic on-the-ground restoration projects that show that working landscapes and fish can be successful.

Trout Unlimited’s Gunnison Basin Coordinator, Cary Denison, has more than 12 years of experience with irrigation water management and stream restoration projects in the Gunnison Basin. He was the project lead for the Hartland Dam Modification project from April of 2010 through March of 2011.

4. If the Contracting Entity is different then the Applicant (Project Sponsor or Owner) please describe the Contracting Entity here.

5. Successful applicants will have to execute a contract with the CWCB prior to beginning work on the portion of the project funded by the WSRA grant. In order to expedite the contracting process the CWCB has established a standard contract with provisions the applicant must adhere to. A link to this standard contract is included in Appendix 3. Please review this contract and check the appropriate box.

☒ The Applicant will be able to contract with the CWCB using the Standard Contract

☐ The Applicant has reviewed the standard contract and has some questions/issues/concerns. Please be aware that any deviation from the standard contract could result in a significant delay between grant approval and the funds being available.

6. 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.

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### Part II. - Description of the Water Activity/Project

1. What is the primary purpose of this grant application? (Please check only one)

☒ Nonconsumptive (Environmental or Recreational)

☒ Agricultural

☐ Municipal/Industrial

☐ Needs Assessment

☐ Education

☐ Other

Explain:

2. If you feel this project addresses multiple purposes please explain.

This project addresses multiple purposes by modifying and improving an antiquated diversion and delivery system while improving critical habitat for species of special concern in the Gunnison River. This project will also meet recreational needs by removing a boater hazard in a heavily used section of the Gunnison River within the Gunnison Gorge National Conservation area. Furthermore this project will serve downstream users by reducing sediment loading caused by eroding banks and annual instream disturbances at the diversion site.

3. Is this project primarily a study or implementation of a water activity/project? (Please check only one)

☐ Study

☒ Implementation

4. To catalog measurable results achieved with WSRA funds can you provide any of the following numbers?

New Storage Created (acre-feet)

New Annual Water Supplies Developed, Consumptive or Nonconsumptive (acre-feet)

Existing Storage Preserved or Enhanced (acre-feet)

Length of Stream Restored or Protected (linear feet)

Length of Pipe/Canal Built or Improved (linear feet)

Efficiency Savings (acre-feet/year OR dollars/year – **circle one**)

Area of Restored or Preserved Habitat (acres)

Other -- Explain:

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4. To help us map WSRA projects please include a map (Exhibit B) and provide the general coordinates below:

Latitude: 38deg. 46' 17"N

Longitude: 107deg. 53' 19"W

5. Please provide an overview/summary of the proposed water activity (no more than one page). Include a description of the overall water activity and specifically what the WSRA funding will be used for. A full **Statement of Work** with a detailed budget and schedule is required as **Exhibit A** of this application.

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### ***Project Description***

The Relief Ditch, the #5 priority on the Gunnison River, diverts irrigation water from the south side of the river approximately 5 miles upstream of Austin and 4 miles downstream of the confluence with the North Fork River. This ditch was adjudicated in 1903 and appropriated in 1890 and is decreed for 51 cfs for irrigation use on more than a 900 acres of agricultural land east of Delta. The current diversion structure consists of a gravel and cobble push up dam marked with steel railroad rail driven into the riverbed and an antiquated diversion control structure located 400 feet down from the mouth of the diversion. The dam, which is rebuilt annually by heavy equipment, impacts riparian health by creating a barrier to fish migration and a hazard to boaters among other impairments. This diversion modification project will replace the pushup dam with permanent diversion and grade control structures and will equip the ditch with a modern headgate as well as rehabilitate the eroded riverbanks at the diversion. The implemented design will reduce fish loss in the canal, reduce sedimentation from eroding banks, improve the management of the Relief Ditch, and restore impaired habitat along the Gunnison River.

Trout Unlimited feels that it is important to highlight that this is a funding request for the implementation of a design that was in part funded through the WSRA process in 2011. Furthermore it should be pointed out that this effort is a joint effort from the Irrigation Company and Trout Unlimited and that considerable amount of time and labor will be expended by both organizations in the construction and adaptive management phase. The Relief Ditch Irrigation Company, like many ditch companies, is not in a financial situation that allows them to make considerable financial contributions to projects of this nature which is in part the reason the diversion is in its current state. Without funding support from outside sources these important water resource projects will fail.

### ***Design***

The diversion modification design will replace the push-up dam with two cross stream structures that will divert water into the ditch while keeping high velocities centered in the river channel. The project will move the diversion point upstream approximately 150 feet,

At this time the final design has been completed by Jeff Crane of Crane and Associates and reviewed and stamped by Brad Florentin a member of the engineering team at FlyWater Engineering. Along with the design the team provided an engineering report describing estimated construction costs. The design is based on the selected alternative which is based off of three alternatives originally evaluated by the project stake holders. The design process was in part funded by funds from the Gunnison Basin Roundtable. The design and construction documents are being reviewed for structural integrity by McLaughlin White Water Engineers.

### ***Implementation and Rehabilitation***

Construction of the cross stream low head diversion structure and a cross stream low head grade control structure will include placement of large, 3 foot to 4 foot diameter, boulders into the river bed. The placement of these rocks will be done in specific elevations and in a manner that will allow for diversions at all flow regimes. These cross-stream structures will also protect the riverbed from head cutting and unnatural channel migrations during high water events. Between the cross stream structures large boulders will be placed in a pattern that will roughen flows which reduce velocities near river bed elevation which eases fish passage through the structure.

The nearly a full acre of eroded and impaired river banks adjacent to the diversion will be filled with soil, rock, root wads, and native riparian vegetation in a manner that will stabilize banks and support native riparian vegetation growth.

The stream banks below the dam and the near the existing diversion have been eroded during past high water events and through human impacts during diversion construction and maintenance work. These areas will be rehabilitated through willow staking and placement of willow wattles.

A new concrete diversion structure will be constructed at the point of diversion. This structure will include a modern headgate and waste gate that are designed to be operated via automated controls. These controls



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will reduce annual expenses from the Relief Ditch Irrigation Company and will improve management of the water right.

The restoration effort includes a two year monitoring and adaptive management phase after initial project construction. During this critical effort the performance of the diversion as well as the rehabilitation work will be monitored and fine tuned as needed. Trout Unlimited, along with other supporting stakeholders, are **not** requesting funding from the Gunnison Basin Roundtable for this effort.

### Part III. – Threshold and Evaluation Criteria

1. Describe how the water activity meets these **Threshold Criteria**. (Detailed in Part 3 of the Water Supply Reserve Account Criteria and Guidelines.)
  - a) The water activity is consistent with Section 37-75-102 Colorado Revised Statutes.<sup>1</sup>
  - b) The water activity underwent an evaluation and approval process and was approved by the Basin Roundtable (BRT) and the application includes a description of the results of the BRT's evaluation and approval of the activity. At a minimum, the description must include the level of agreement reached by the roundtable, including any minority opinion(s) if there was not general agreement for the activity. The description must also include reasons why general agreement was not reached (if it was not), including who opposed the activity and why they opposed it. Note- If this information is included in the letter from the roundtable chair simply reference that letter.

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<sup>1</sup> 37-75-102. Water rights - protections. (1) It is the policy of the General Assembly that the current system of allocating water within Colorado shall not be superseded, abrogated, or otherwise impaired by this article. Nothing in this article shall be interpreted to repeal or in any manner amend the existing water rights adjudication system. The General Assembly affirms the state constitution's recognition of water rights as a private usufructuary property right, and this article is not intended to restrict the ability of the holder of a water right to use or to dispose of that water right in any manner permitted under Colorado law. (2) The General Assembly affirms the protections for contractual and property rights recognized by the contract and takings protections under the state constitution and related statutes. This article shall not be implemented in any way that would diminish, impair, or cause injury to any property or contractual right created by intergovernmental agreements, contracts, stipulations among parties to water cases, terms and conditions in water decrees, or any other similar document related to the allocation or use of water. This article shall not be construed to supersede, abrogate, or cause injury to vested water rights or decreed conditional water rights. The General Assembly affirms that this article does not impair, limit, or otherwise affect the rights of persons or entities to enter into agreements, contracts, or memoranda of understanding with other persons or entities relating to the appropriation, movement, or use of water under other provisions of law.

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- c) The water activity meets the provisions of Section 37-75-104(2), Colorado Revised Statutes.<sup>2</sup> The Basin Roundtable Chairs shall include in their approval letters for particular WSRA grant applications a description of how the water activity will assist in meeting the water supply needs identified in the basin roundtable's consumptive and/or non-consumptive needs assessments.
- d) Matching Requirement: For requests from the **Statewide Fund**, the applicants is required to demonstrate a **20 percent** (or greater) match of the request from the Statewide Account. Statewide requests must also include a minimum match of **5 percent** of the total grant amount from Basin Funds. Sources of matching funds include but are not limited to Basin Funds, in-kind services, funding from other sources, and/or direct cash match. Past expenditures directly related to the project may be considered as matching funds if the expenditures occurred within 9 months of the date the application was submitted to the CWCB. Please describe the source(s) of matching funds. (NOTE: These matching funds should also be reflected in your Detailed Budget in **Exhibit A** of this application)

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<sup>2</sup> 37-75-104 (2)(c). Using data and information from the Statewide Water Supply Initiative and other appropriate sources and in cooperation with the on-going Statewide Water Supply Initiative, develop a basin-wide consumptive and nonconsumptive water supply needs assessment, conduct an analysis of available unappropriated waters within the basin, and propose projects or methods, both structural and nonstructural, for meeting those needs and utilizing those unappropriated waters where appropriate. Basin Roundtables shall actively seek the input and advice of affected local governments, water providers, and other interested stakeholders and persons in establishing its needs assessment, and shall propose projects or methods for meeting those needs. Recommendations from this assessment shall be forwarded to the Interbasin Compact Committee and other basin roundtables for analysis and consideration after the General Assembly has approved the Interbasin Compact Charter.

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2. For Applications that include a request for funds from the **Statewide Account**, describe how the water activity/project meets all applicable **Evaluation Criteria**. (Detailed in Part 3 of the Water Supply Reserve Account Criteria and Guidelines and repeated below.) Projects will be assessed on how well they meet the Evaluation Criteria. **Please attach additional pages as necessary.**

**Evaluation Criteria** – the following criteria will be utilized to further evaluate the merits of the water activity proposed for funding from the Statewide Account. In evaluation of proposed water activities, preference will be given to projects that meet one or more criteria from each of the three “tiers” or categories. Each “tier” is grouped in level of importance. For instance, projects that meet Tier 1 criteria will outweigh projects that only meet Tier 3 criteria. WSRA grant requests for projects that may qualify for loans through the CWCB loan program will receive preference in the Statewide Evaluation Criteria if the grant request is part of a CWCB loan/WSRA grant package. For these CWCB loan/WSRA grant packages, the applicant must have a CWCB loan/WSRA grant ratio of 1:1 or higher. Preference will be given to those with a higher loan/grant ratio.

1. Tier 1- Promotes Collaboration/Cooperation and Meeting Water Management Goals and Identified Water Needs:
  - A. This project is being forwarded with the cooperation and assistance from the Relief Ditch Irrigation Company, the Bureau of Land Management, Colorado River Conservancy District, Trout Unlimited, Federation of Fly Fishers, North Fork River Improvement Association, and Grand Valley Anglers and others to meet multiple demands and water needs. This is evidenced by letters of support attached to the application and funding and in-kind donations to the project.
  - B. This project will meet both consumptive and non consumptive needs by improving habitat, safety, and diversion control.
  - C. Implementation of this project will meet the needs identified by the Gunnison Basin Roundtable by improving an identified non-consumptive use reach, protecting agriculture and open space, and protecting a senior water right.
2. Tier 2- Facilitating Water Activity Implementation:
  - D. A critical piece of the success of this project, like any other restoration project, is long term monitoring or adaptive management of the project. By funding the construction effort the Roundtable and CWCB can
  - E. By receiving funding for the implementation the applicant can assure that the project serves its goals and assures other funders that their investment is sound.
  - F. Numerous sources, including the Relief Ditch Irrigation Company, are providing direct contributions and important in-kind donations for this project.
3. Tier 3-Project Provides Statewide Value:
  - G. The implemented project will help the Relief Ditch Irrigation Company by reducing annual expenses associated with maintaining the diversion and building the diversion dam.
  - H. Removal of the pushup dam and steel rail in the river will reduce the hazard for boaters and will improve the recreational experience in this popular recreation area.
  - I. The new diversion structure will be equipped with a staff gauge and rated flume down-ditch of the headgate which will assist in administrative demands including accurate record keeping of diversions.

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- J. Populations of Roundtail Chub and Flannelmouth and Bluehead Suckers will be protected from entrainment in the canal and will benefit from the restoration and reconnection of habitat which will address native species concerns in the Gunnison and Colorado Rivers.
- K. This project provides a high level of benefit to Colorado in relationship to the amount of funding requested for the water activity that the adaptive management will be protecting. The overall cost of construction is estimated to cost \$750,000 and the adaptive management phase which will make sure the project is successful will only cost \$40,000.
- L. Implementing this project will add on to the Hartland diversion modification project that was funded by the CWCBC. The Relief Ditch will compliment and assist that successful fish passage project thereby ensuring that the Three Species will be able to access the entirety of the available habitat in the Gunnison River

Continued: Explanation of how the water activity/project meets all applicable **Evaluation Criteria**.

**Please attach additional pages as necessary.**

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### Part IV. – Required Supporting Material

1. **Water Rights, Availability, and Sustainability** – This information is needed to assess the viability of the water project or activity. Please provide a description of the water supply source to be utilized, or the water body to be affected by, the water activity. This should include a description of applicable water rights, and water rights issues, and the name/location of water bodies affected by the water activity.

Water Rights: Relief Ditch

Decreed for 51 cfs total absolute

#### **Water Rights – Transaction Summary**

CA0374 1903-02-25 1890-03-15 18729.14684 0 5 50.0 CFS S 1 P148

W2762 1903-02-25 1896-08-16 18729.17030 0 1.0 CFS S,TT 1 CAW2762 Transferred FROM CHOSEN VALLEY DITCH 2/3/1976

Availability: The Relief Ditch Irrigation Company has maintained access and control of this absolute water right for beneficial use in irrigation.

Sustainability: This project will improve the Relief Ditch Irrigation Company's ability to maintain the diversion and sustain, measure, and control the water right in the future.

Water Source: Water diverted from the Gunnison River below the confluence with the North Fork of the Gunnison. This water right has not been subject to administration from a downstream call. This section of the River is critical habitat for native fish as well as non-native trout that are important to the local recreational economy.

2. Please provide a brief narrative of any related studies or permitting issues.

The Army Corps of Engineers has determined that the proposed work is exempt from Section 404 of the Clean Water Act under the Irrigation Ditch Exemption. (See Attached Letter)

The stakeholders are applying for a floodplain construction permit from Delta County and anticipate that there will be no difficulty in this process because the project will lower the high water line.

The Bureau of Land Management is completing an Environmental assessment for the project which is anticipated to be completed in June.

The applicants are in the process of obtaining the necessary dewatering and construction permits from the Colorado Department of Health and Environment.

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

**WATER ACTIVITY NAME – Relief Ditch Diversion Modification Project**

**GRANT RECIPIENT – Trout Unlimited**

**FUNDING SOURCE - CWCB**

**INTRODUCTION AND BACKGROUND**

The Relief Ditch diverts water from the Gunnison River at a point approximately 4 river miles downstream from the confluence with the North Fork and 5 river miles from Austin. The diversion, which is located on BLM land within the National Conservation Area, consists of a large cobble push up dam that is constructed annually through in-channel operation of heavy equipment. This dam is marked on the upstream face of the dam by steel rail-road rails driven vertically across the river that extend into the waterway and present a considerable hazard to river users. The dam, its annual construction and the antiquated diversion structure create numerous habitat impacts that will be alleviated by the implementation of the design. Included in these impacts are downstream sedimentation, bank erosion, channel instability, entrainment of fish in the ditch, lack of control of the diversion, and annual disturbances to the river and riparian area.

The selected design is a design selected by the Relief Ditch Irrigation Company, project stakeholders and design engineers. This selected structure will permanently replace the push up dam and remove the need for in-stream construction and will rehabilitate the impaired riparian zone near the diversion. Additionally, the project will improve controls by allowing the water users on the Relief Ditch to control water at the point of diversion rather than down ditch. The design that was developed by Crane and Associates has been evaluated by FlyWater Engineers and is being further evaluated by McLaughlin Whitewater Engineering.

An Environmental Assessment is being prepared for this project by the BLM. This process is scheduled for completion in June of 2012.

**OBJECTIVES**

**1. Goals of the project:**

- Maintain Relief Ditch Irrigation Company's access to senior water right
- Decrease annual maintenance and in-stream disturbances.
- Increase habitat connectivity
- Increase river system stability by returning the river morphology to a more natural state
- Protect adjacent landowner from loss of property
- Restore degraded stream banks
- Remove a hazard to boaters

**2. Project Benefits**

The project benefits include ecological, socioeconomic, and landowner rights benefits:

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- Maintain agricultural water availability by insuring access to diversions
- Improve habitat for aquatic species including native and non-native fish
- Remove the fish migration barrier
- Increase biodiversity (i.e., healthy fish populations lead to increased raptor and mammal populations that depend on fish)
- Improve invertebrate populations
- Remove a hazard to boaters and recreational river users
- Improve control of diversions

### TASKS

Provide a detailed description of each task using the following format

#### TASK 1 – Water Controls and Measurement

##### Description of Task

Construction and design of headgate, sluice gate, trash rack, and measurement controls for the modified diversion structure on the Relief Ditch diversion.

##### Method/Procedure

Project stakeholders will hire a professional welder and engineer to design and manufacture the necessary control structures and rate the diversion flume for water measurement and control purposes.

##### Deliverable

These structures will be installed on the new diversion structure by the construction contractor. These products will allow for management of the water right as well as accounting for diversions. The rated diversion flume will provide accurate diversion information for the ditch company as well as the State Engineers Office.

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### **TASK 2 – Administration**

#### Description of Task

Administration of tasks related to construction expenses including financial reporting, audits, legal expenses, payroll and general accounting.

#### Method/Procedure

Trout Unlimited and project stakeholders have hired a professional accountant to complete this task and will use these funds to complete other related expenses.

#### Deliverable

Grant reporting, payroll and general accounting services for this \$920,000 project

### **TASK 3 – Construction of Diversion**

#### Description of Task

This task is limited to constructing a cross river rock weir that will divert water into the Relief diversion. This task will include placement of large boulders in the riverbed in a manner that allows the Relief Ditch Irrigation Company the ability to access their full decree at all expected flows while not damaging the surrounding river banks.

#### Method/Procedure

The selected contractor will use heavy equipment to move and place the large boulders in a manner specified by the design engineer team.

#### Deliverable

Task 3 will provide a diversion structure for the irrigation company that will replace the pushup dam.

### **REPORTING AND FINAL DELIVERABLE**

**Reporting:** The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of the executed contract. The progress report shall describe the completion or partial completion 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 Deliverable:** At completion of the project, the applicant shall provide the CWCB a final report that summarizes the project and documents how the project was completed. This report may contain photographs, summaries of meetings and engineering reports/designs.

### **BUDGET**



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## Total Task Budgets

Item Expense	Project Manager	Material	Project Accountant	Project Engineer	Heavy Equipment	Labor	Total Costs
Task 1 -Controls	\$1,000	\$4,200		\$3,000		\$4,000	\$12,200
Task 2 - Administration			\$10,500				\$10,500
Task 3- Construction	\$5,000	\$15,000		\$5,000	\$35,000	\$5,000	\$65,000
Total Costs	\$6,000	\$19,200	\$10,500	\$8,000	\$35,000	\$9,000	\$87,700

## Match for per tasks

Item:	Labor	Materials	Equipment/ Supplies	Cash	Total
Units:					
Unit Cost:					
Task 1 -				\$4,200	\$4,200
Task 2 -				\$3,500	\$3,500
Task 3-		\$15,000 rock		\$15,000	\$30,000
Total Units:					
Total Cost:		\$15,000	\$15,000	\$22,700	\$37,700

## In-Kind Labor Contributions

Project Personnel: Hourly Rate:	TU staff/\$30hr	TU Volunteer/ \$30		Total
Task 1 -	40	40		80
Task3 -	100	100		200
Total Hours:	140	140		
Total Cost:	\$4200	\$4200		\$8400

## Budget Summary for Roundtable WSRA Funding Request

Task	Funding Item for Request WSRA	TOTAL Request (\$)	IN-KIND/Match (Including Labor and \$)	Totals (\$)
1	Material, Engineering and design labor	8,000	4,200	12,200
2	Administrative Labor	7,000	3,500	10,500
3	Engineering, labor, equipment time for construction	35,000	30,000	65,000
TOTALS		50,000	37,700	87,700

## Draft Construction Budget

Construction Budget Relief Ditch Diversion Modification

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Funding Agency	Amount	Type	Status	Percentage
Colorado River Water Conservation District	\$90,000	Cash	Secured	10%
Walton Family Foundation	\$35,000	Cash Match	Secured	4%
Federation of Fly Fishers	\$750	Cash Match	Secured	0.08%
Gunnison Gorge Anglers	\$5,000	Cash Match	Secured	1%
Relief Ditch Irrigation Company	\$3,400	Cash Match	Pledged	0.37%
Grand Valley Anglers	\$2,000	Cash Match	Secured	0.22%
CWCB-SCTF	\$500,000	Cash Match	Requested	54%
Gunnison Basin Roundtable	\$50,000	Cash Match	Request	5%
CDPW Fishing is Fun Grant	\$80,000	Cash Match	Secured	9%
Gunnison Gorge Anglers	\$20,000	In-Kind Match	Pledged	2%
Trout Unlimited	\$25,000	In-Kind Match	Pledged	3%
Bureau of Land Management	\$35,000	In-Kind Match	Pledged	4%
US Fish and Wildlife Service	\$75,000	Cash Match	Requested	8%
<b>Total</b>	<b>\$921,150</b>			<b>100%</b>
<b>Construction Expense Budget</b>				
<u>Task</u>	<u>Amount</u>			
Mobilization & De-Mobilization	\$10,000.00			
	\$120,000.0			
Best Management Practices	0			
	\$140,000.0			
Channel Reclamation	0			
	\$175,220.0			
Ditch Construction	0			
<b>Diversion Cross Vane Weir</b>	<b>\$65,000.00</b>			
Grade Control Weir	\$40,000.00			
	<b>\$155,000.0</b>			
<b>Headgate</b>	<b>0</b>			
Supervision and Administration	\$68,000.00			
<u>Monitoring and Adaptive Management</u>	<u>\$47,000.00</u>			
	\$940,253.0			
Total With Contingency %15	0			

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### SCHEDULE

Project Milestones	February 2012	March 2012	April - August 2012	September- April 2012 & 2013	May 2013- May 2015	August 2013
Permitting						
Contractor Selection						
Material Handling & Staging						
Construction and Rehabilitation <b>Task 1,2 &amp; 3</b>						
Adaptive Management & Monitoring						
Final Report <b>Task 2</b>						

### REPORTING AND FINAL DELIVERABLE

**Reporting:** The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of the executed contract. The progress report shall describe the completion or partial completion 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 Deliverable:** At completion of the project, the applicant shall provide the CWCB a final report that summarizes the project and documents how the project was completed. This report may contain photographs, summaries of meetings and engineering reports/designs.

### PAYMENT

Payment will be made based on actual expenditures and invoicing by the applicant. Invoices from any other entity (i.e. subcontractors) cannot be processed by the State. The request for payment must include a description of the work accomplished by major task, and estimate of the percent completion for individual tasks and the entire water activity in relation to the percentage of budget spent, identification of any major issues and proposed or implemented corrective actions. The last 5 percent of the entire water activity budget will be withheld until final project/water activity documentation is completed. All products, data and information developed as a result of this grant must be provided to the CWCB in hard copy and electronic format as part of the project documentation. This information will in turn be made widely available to Basin Roundtables and the general public and help promote the development of a common technical platform.

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The above statements are true to the best of my knowledge:

**Signature of Applicant:** 

**Print Applicant's Name:** Cary L. Denison

**Project Title:** Relief Ditch Diversion Modification Project

**Return an electronic version (hardcopy may also be submitted) of this application to:**

Greg Johnson – WSRA Application  
Colorado Water Conservation Board  
1580 Logan Street, Suite 200  
Denver, CO 80203  
[gregory.johnson@state.co.us](mailto:gregory.johnson@state.co.us)