

Water Supply Reserve Account – Grant and Loan Program
Water Activity Summary Sheet
January 25-26, 2016
Agenda Item 24(d)

Applicants: San Miguel Watershed Coalition & Trout Unlimited
Fiscal Agent: Trout Unlimited
Water Activity Name: San Miguel River Stream Management Plan, Pilot Project
Water Activity Purpose: Nonconsumptive
County: San Miguel
Drainage Basin: San Miguel River Basin
Water Source: San Miguel River
Amount Requested/Source of Funds: \$32,138 Southwest Basin Account (total grant request)
Matching Funds: Applicant Match: \$96,413 (cash & in-kind) = 75% of the total project cost of \$128,551
(refer to *Funding Summary/Matching Funds* section below)

Staff Recommendation:

Staff recommends approval of up to \$32,138 from the Southwest Basin Account to help fund the project titled: San Miguel River Stream Management Plan, Pilot Project.

Water Activity Summary: While developing its Basin Implementation Plan (BIP), the Southwest Basin Roundtable (SWBRT) identified a significant gap in information necessary to understand environmental and recreational (E&R) water needs. Understanding E&R water needs is particularly challenging given the size of the area and diversity of the nine basins that make up the SWBRT's area of interest. Given these challenges, the SWBRT voted to support the concept of a pilot project to develop E&R water needs information in one of the basins with the thought that the approach could be replicated, with adjustments to meet local needs, in other basins. The San Miguel basin was proposed for the pilot project. The San Miguel Watershed Coalition (SMWC) is interested in developing an understanding of E&R water needs within the San Miguel River Basin and a stream management plan to help guide cooperative water management efforts. This work should provide a model for conducting cost---effective watershed ---scale evaluations of E&R needs and implementing stream management planning efforts in other areas of the Southwest Basin.

The San Miguel River Pilot Project will assess environmental and recreational water needs within the San Miguel River basin and identify potential approaches to meet identified gaps, if any. The project consists of the following steps:

1. Review E&R attributes within the San Miguel River basin identified in the BIP for completeness;
2. Identify potential water gaps to support those attributes;

3. Assist the project sponsors and other stakeholders in defining desired outcomes for E&R uses within the project area and to identify projects to achieve the desired outcomes in a cooperative setting
4. Evaluate effectiveness of implementation of said projects

Discussion: The proposed project aligns well with several Goals and Measurable Outcomes in the Southwest Basin Implementation Plan, such as “Meet Environmental Needs” Goal E2: *Protect, maintain, monitor and improve the condition and natural function of streams, lakes, wetlands, and riparian areas to promote self-sustaining fisheries, and to support native species and functional habitat in the long term, and adapt to changing conditions* (Section 1 - Basin Goals and Measurable Outcomes, Table 1, page 16). This proposal assists the Southwest Basin achieve these Goals and Measurable Outcomes by implementing a San Miguel-Basin IPP – *San Miguel Watershed Coalition*, ID No. 25-SB, Appendix A, page 18 of 18.

It is CWCB staff’s opinion that this proposal advances the Goals and Measurable Outcomes of Colorado’s Water Plan by reflecting the intent of the Programmatic *Critical Watershed, Environment, and Recreation Actions* #3 (Develop stream management plans for priority streams (identified in a BIP or otherwise) as having environmental or recreational value. As part of this work, the CWCB will provide guidelines and templates for developing stream management plans, and will conduct ongoing analyses through SWSI.), as exhibited in Chapter 10: *Critical Action Plan*, Section 10.3: Critical Goals and Actions, F. Watershed Health, Environment, and Recreation, page 10-12.

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

Threshold and Evaluation Criteria: The application meets all four Threshold Criteria.

Tier 1-3 Evaluation Criteria: n/a

Funding Summary/Matching Funds:

	<u>Cash</u>	<u>In-kind</u>	<u>Total</u>
CWCB Watershed Restoration Grant	\$64,275	\$0	\$64,275
Southwestern Water Conservation District	\$14,138	\$0	\$14,138
Local Governments & Foundation	\$3,000	\$0	\$3,000
San Miguel Watershed Coalition/TU/American Whitewater	\$0	\$15,000	\$15,000
Subtotal Match	\$81,413	\$15,000	\$96,413
Southwest Basin WSRA Account	\$32,128	n/a	\$32,128
Total	\$113,541	\$15,000	\$128,541

CWCB Project Manager: Chris Sturm

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 will help promote the development of a common technical platform. In accordance with the revised WSRA Criteria and Guidelines, staff would like to highlight additional reporting and final deliverable requirements. The specific requirements are provided below.

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 scope 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.

Engineering: All engineering work (as defined in the Engineers Practice Act (§12-25-102(10) C.R.S.)) performed under this grant shall be performed by or under the responsible charge of professional engineer licensed by the State of Colorado to practice Engineering.

SOUTHWEST BASINS ROUNDTABLE

Michael Preston, Chair

c/o Dolores Water Conservancy District

P.O. Box 1150

Cortez, Colorado 81321

970-565-7562

October 20, 2015

Mr. Craig Godbout
Water Supply Management Section
Colorado Water Conservation Board
1580 Logan Street, Suite 600
Denver, Colorado 80203

SUBJECT: San Miguel River Stream Management Plan, Pilot Project - \$32,138 from
Basin Account

Dear Mr. Godbout:

The Southwest Basin Roundtable recommends funding of \$32,138 from the Southwest Basin Account for the San Miguel River Stream Management Plan Pilot Project submitted by the San Miguel Watershed Coalition and Trout Unlimited. The application was considered in detail and approved at the October 14, 2015 meeting of the Southwest Basin Roundtable. There was a quorum of Roundtable members present.

The proposed project is an IPP. The challenge of interfacing non-consumptive and consumptive needs in SWBRT sub-basins is a strategy and outcome put forward in the Southwest Basin Implementation Plan. This pilot is a conscious effort to move forward with a ripe opportunity on the San Miguel River to apply this strategy and adapt to what is learned in implementing this pilot.

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

Sincerely,



Michael Preston
Southwest Basin Roundtable Chair



COLORADO WATER CONSERVATION BOARD



WATER SUPPLY RESERVE ACCOUNT APPLICATION FORM

Today's Date: October 5, 2015

San Miguel River Stream Management Plan, Pilot Project

Name of Water Activity/Project

San Miguel Watershed Coalition and Trout Unlimited

Name of Applicant

Southwest Basin Roundtable

Amount from Statewide Account: \$ 0

Amount from Basin Account(s): \$ 32,138

Total WSRA Funds Requested: \$ 32,138

Approving Basin Roundtable(s)

(If multiple basins specify amounts in parentheses.)

FEIN:

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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 October 2013

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 (CWCB). 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 CWCB 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 CWCB 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>. In addition, the applicant should also refer to the [Supplemental Scoring Matrix](#) applied to Evaluation Criteria Tiers 1-3 for Statewide Account requests .

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:

Craig Godbout - WSRA Application
Colorado Water Conservation Board
1313 Sherman St., Room 721
Denver, CO 80203
Craig.godbout@state.co.us

If you have questions or need additional assistance, please contact Craig Godbout at: 303-866-3441 x3210 or craig.godbout@state.co.us.

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

1.	Applicant Name(s):	San Miguel Watershed Coalition & Trout Unlimited		
	Mailing address:	<i>Coalition:</i> P.O. Box 1601, Telluride, Colorado 81435; <i>Trout Unlimited:</i> P.O. Box 1544, Pagosa Springs, Colorado 81147		
	FEIN #:			
	Primary Contact:	Jenny Russell	Position/Title:	Board Member
	Email:	jenny.russell@lawtelluride.com		
	Phone Numbers:	Cell:	Office:	970-239-1972
	Alternate Contact:	Mely Whiting	Position/Title:	Legal Counsel
	Email:	mwhiting@tu.org		
	Phone Numbers:	Cell:	Office:	

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:

San Miguel Watershed Coalition: The Coalition's purpose is to give communities and stakeholders in the watershed a voice to direct the future management of watershed resources. The Coalition's mission is to advance the ecological health and promote the economic vitality of the watershed through the collaborative efforts of the entire community. The Coalition's goal is to realize a watershed that is healthy in every respect, while offering a sustainable and quality lifestyle for all who live within it.

Trout Unlimited: Trout Unlimited is a national, non-profit organization with over 150,000 members nationwide, approximately 12,000 members in Colorado. Our volunteers and staff engage in partnerships and stakeholder driven efforts with the goal of conserving, protecting, and restoring cold water fisheries and their habitat in a cooperative, constructive setting.

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

N/A

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.

Both the Coalition and TU are non-governmental organizations and are not subject to TABOR.

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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.

The information developed through the project can be used for the development of multiple-purpose projects

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**)

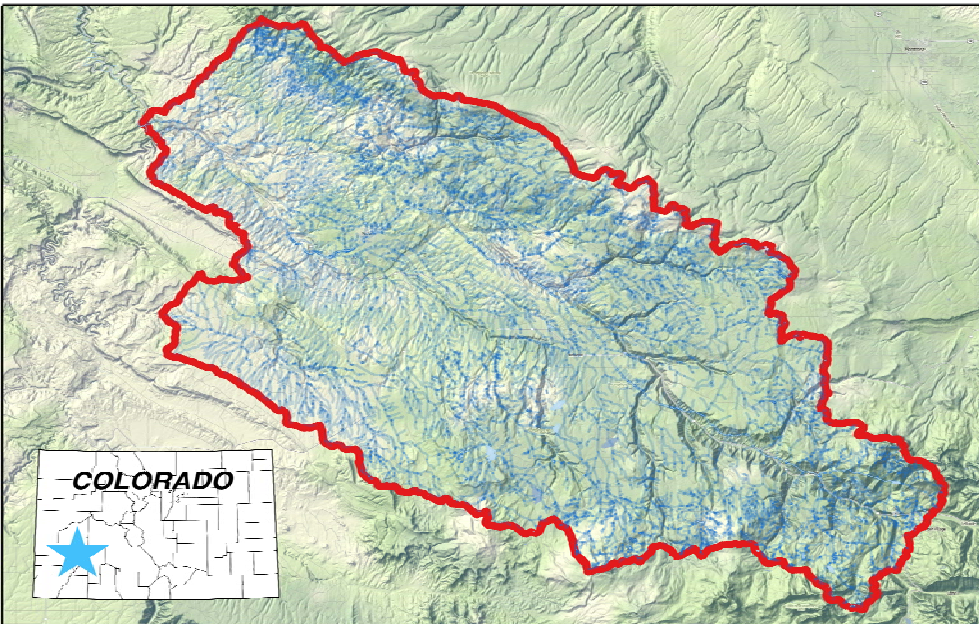
Area of Restored or Preserved Habitat (acres)

☒ Other -- Explain: Up to 10 potential E&R or multi-purpose projects identified

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



Latitude:

32.29 N.

Longitude:

108.39 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.

The San Miguel River Pilot Project will assess environmental and recreational water needs within the San Miguel River basin and identify potential approaches to meet identified gaps, if any. The project consists of the following steps:

1. Review E&R attributes within the San Miguel River basin identified in the BIP for completeness
2. Identify potential water gaps to support those attributes
3. Assist the project sponsors and other stakeholders in defining desired outcomes for E&R uses within the project area and to identify projects to achieve the desired outcomes in a cooperative setting
4. Evaluate effectiveness of implementation of said projects

See [Exhibit A](#) for a full Statement of Work, including a detailed budget and schedule.

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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.¹

The Project is consistent with the statute in that it will not supersede, abrogate or otherwise impair the system of allocating water in the State.

- 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.

See letter from Roundtable Chair

¹ 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.² 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.

The Project will help to meet the nonconsumptive needs of the San Miguel River Basin by evaluating the gaps in data and understanding regarding flows and other conditions necessary to sustain the identified environmental and recreational ("E&R") values in the Basin. Specifically, the Project will identify locations across the watershed where E&R gaps exist, including the magnitude, timing and persistence of observed gaps for maintenance of fisheries health, riparian recruitment, channel form, and recreational opportunities. The Project will provide a stream management plan that will provide a decision framework during future water planning efforts and for potential nonconsumptive or multiple use projects.

- d) Matching Requirement: For requests from the Statewide Fund, the applicants will be required to demonstrate a **25 percent** (or greater) match of the total grant request from the other sources, including by not limited to Basin Funds. A minimum match of 5% of the total grant amount shall be from Basin funds. A minimum match of 5% of the total grant amount must come from the applicant or 3rd party sources. 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 contract or purchase order between the applicant and the State of Colorado is executed. 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)

No funds are being requested from the Statewide Fund. A detailed budget is attached as Exhibit B and shows all expected matching sources of funds.

² 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.**

N/A

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. The applicant should also refer to the Supplemental Scoring Matrix applied to Evaluation Criteria Tiers 1-3 for Statewide Account requests. 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.

Tier 1: Promoting Collaboration/Cooperation and Meeting Water Management Goals and Identified Water Needs

- a. The water activity addresses multiple needs or issues, including consumptive and/or non-consumptive needs, or the needs and issues of multiple interests or multiple basins. This can be demonstrated by obtaining letters of support from other basin roundtables (in addition to an approval letter from the sponsoring basin).

The SWBRT BIP identified a significant gap in information necessary to understand E&R water needs. Given the size and complexity of its area of interest, the SWBRT supported the concept of developing a pilot E&R needs assessment pilot project in the San Miguel basin. If successful, the approach could be used in other basins within the SWBRT with adjustments to account for local factors.

- b. The number and types of entities represented in the application and the degree to which the activity will promote cooperation and collaboration among traditional consumptive water interests and/or non-consumptive interests, and if applicable, the degree to which the water activity is effective in addressing intrabasin or interbasin needs or issues.

Applicants have sought and will continue to seek input from the SWBRT E&R subcommittee as the project develops. In addition, the project calls for stakeholder outreach in confirming desired E&R attributes and in the conceptualization of potential projects to meet identified gaps.

- c. The water activity helps implement projects and processes identified as helping meet Colorado’s future water needs, and/or addresses the gap areas between available water supply and future need as identified in SWSI or a roundtable’s basin-wide water needs assessment.

The project will assist in the development of E&R and/or multi-purpose projects to meet the needs identified by the SWBRT.

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Tier 2: Facilitating Water Activity Implementation

- d. Funding from this Account will reduce the uncertainty that the water activity will be implemented. For this criterion the applicant should discuss how receiving funding from the Account will make a significant difference in the implementation of the water activity (i.e., how will receiving funding enable the water activity to move forward or the inability obtaining funding elsewhere).

Applicants are non-profit, non-taxing entities which offer in-kind contributions but cannot finance the project. The project would not proceed absent the requested funding. See [Exhibit B](#) for a budget description, including sources of funding.

- e. The amount of matching funds provided by the applicant via direct contributions, demonstrable in-kind contributions, and/or other sources demonstrates a significant & appropriate commitment to the project.

Please see [Exhibit B](#).

Tier 3: The Water Activity Addresses Other Issues of Statewide Value and Maximizes Benefits

- f. The water activity helps sustain agriculture & open space, or meets environmental or recreational needs.
- g. The water activity assists in the administration of compact-entitled waters or addresses problems related to compact entitled waters and compact compliance and the degree to which the activity promotes maximum utilization of state waters.
- h. The water activity assists in the recovery of threatened and endangered wildlife species or Colorado State species of concern.
- i. The water activity provides a high level of benefit to Colorado in relationship to the amount of funds requested.
- j. The water activity is complimentary to or assists in the implementation of other CWCB programs.

The project will provide information that can be used for projects designed to meet multi-purpose needs.

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

Please attach additional pages as necessary.

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.

The Project will occur in the San Miguel River Basin. This is a study and, therefore, no water rights will be affected by the Project.

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

The Project will utilize and verify the nonconsumptive values identified in the Roundtable's nonconsumptive needs analysis and BIP. The information developed could be used by the state in future SWSI efforts.

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3. Statement of Work, Detailed Budget, and Project Schedule

The statement of work will form the basis for the contract between the Applicant and the State of Colorado. In short, the Applicant is agreeing to undertake the work for the compensation outlined in the statement of work and budget, and in return, the State of Colorado is receiving the deliverables/products specified. **Please note that costs incurred prior to execution of a contract or purchase order are not subject to reimbursement.** All WSRA funds are disbursed on a reimbursement basis after review invoices and appropriate backup material.

Please see [Exhibit A](#) and [Exhibit 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 10 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.

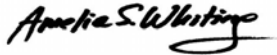
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The above statements are true to the best of my knowledge:

Signature of Applicant:

Print Applicant's Name: Jenny Russell, San Miguel Watershed Coalition



Mely Whiting, Trout Unlimited

Project Title: San Miguel River Stream Management Plan, Pilot Project

Date: October 5, 2015

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

Craig Godbout – WSRA Application
Colorado Water Conservation Board
1313 Sherman St., Room 721
Denver, CO 80203
303-866-3441, ext. 3210 (office)
303-547-8061 (cell)
craig.godbout@state.co.us

Exhibit A
Statement of Work
Date: October 5, 2015

WATER ACTIVITY NAME – San Miguel River Stream Management Plan, Pilot Project

GRANT RECIPIENT – San Miguel Watershed Coalition and Trout Unlimited

FUNDING SOURCE – Southwest Basin Roundtable (SWBRT)

INTRODUCTION AND BACKGROUND

Provide a brief description of the project. (Please limit to **no more than 200 words**; this will be used to inform reviewers and the public about your proposal)

The San Miguel River Stream Management Plan Pilot Project will assess environmental and recreational (E&R) water needs within the San Miguel River basin, identify water gaps, and develop a cooperative process to find ways to meet those gaps in a collaborative manner. The project is the first step in addressing the informational gap identified in the SWBRT's Basin Implementation Plan (BIP), using the specific steps outlined in the BIP to develop the information in a cooperative manner.

OBJECTIVES

List the objectives of the project

1. Characterize important ecosystem attributes
2. Identify potential water gaps to support those attributes
3. Evaluate recreational use water gaps
4. Assist project proponents and stakeholders in identifying management actions and projects to address gaps
5. Evaluate effects of management actions and projects on ecosystem

TASKS

Provide a detailed description of each task using the following format

TASK 1 – Verify E&R attributes

Description of Task

Review list of E&R attributes for the San Miguel basin identified in the BIP for completeness. Ensure that proposed project objectives and tasks will adequately evaluate needs gaps for each high-priority attribute.

Method/Procedure

Review BIP and other pertinent documents; interview individuals within the San Miguel basin

Deliverable

E&R attributes list; findings included in Technical Report; list incorporated in San Miguel Stream Management Plan.

TASK 2 – Evaluate ecosystem variables and environmental water gaps

Description of Task

Assess changes in hydrology over the last 30 years and compare to fishery, riparian, and channel maintenance needs

Method/Procedure

Changes in hydrology will be evaluated using the CDSS for the Southwest Basin. Fishery needs evaluation will rely on information provided through the CWCB instream flow appropriation filings. Riparian zone needs will use the “Recruitment Box” model. Channel maintenance needs assessment will rely on the frequency analysis approach outlined by Schimdt and Potyondy (2004).

Deliverables

All modeling and assessment results as CSV files, spreadsheets, photographs, and GIS files. Information to be included in the Technical Report and used as part of the San Miguel Stream Management Plan.

TASK 3 – Characterize recreational water gaps

Description of Task

Using existing recreational survey information, identify optimal flow preferences for boaters and anglers and correlate to hydrology analysis described in Task 2 to assess increases or reductions in “boatable days” and “fishing days.”

Method/Procedure

Use existing recreational survey information for stream and rivers in the San Miguel watershed to identify user preferences and CDSS model to evaluate hydrological changes.

Deliverables

All modeling and assessment results as CSV files, spreadsheets, photographs, and GIS files. Information to be included in the Technical Report and used as part of the San Miguel Stream Management Plan.

TASK 4 – Identify alternative management actions and projects to address gaps

Description of Task

Identify up to ten (10) structural projects or management actions to address identified gaps.

Method/Procedure

A stakeholder group representing a variety of water interests will be assembled. Using information developed in the previous tasks and any other pertinent information, the group will select up to ten (10) priority reaches for more detailed assessment. Quantifiable, desirable E&R use outcomes will

be identified and up to ten (10) structural projects or management actions will be selected for implementation.

Deliverables

Identified priority reaches and projects and/or management actions will be incorporated in the San Miguel Stream Management Plan.

TASK 5 – Evaluate effectiveness of projects and/or management actions

Description of Task

Model the effects of implementation of the selected structural projects and/or management actions on E&R water need gaps.

Method/Procedure

Use the tool identified in Tasks 2 and 3 to simulate the impact of each proposed management action or project on fish habitat, riparian zones, channel maintenance, and recreation.

Deliverables

All modeling and assessment results as CSV files, spreadsheets, photographs, and GIS files. Information to be included in the Technical Report and used as part of the San Miguel Stream Management Plan.

TASK 6 – Grant Administration and Outreach

Description of Task

Administer various aspects of the CWCB grant and provide reports as needed; assemble stakeholder group to develop proposal for cooperative management actions and projects.

Method/Procedure

Oversee consultant, submit bills to the CWCB, report; seek out key stakeholders and coordinate stakeholder meetings to develop cooperative management actions and projects proposals.

Deliverable

Bills and written reports; proposed cooperative management actions and projects will be included in the San Miguel Stream Management Plan.

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

Provide a detailed budget by task including number of hours and rates for labor and unit costs for other direct costs (i.e. mileage, \$/unit of material for construction, etc.). A detailed and perfectly balanced budget that shows all costs is required for the State's contracting and purchase order processes. Sample budget tables are provided below. Please note that these budget tables are examples and will need to be adapted to fit each individual application. Tasks should correspond to the tasks described above.

Total Costs				
	Labor	Other Direct Costs	Matching Funds (If Applicable)	Total Project Costs
Task 1 - Verify Attributes	\$ 3,500	\$250		\$ 3,750
Task 2 - Environmental Gap	\$37,975	\$845		\$38,820
Task 3 – Recreational Gap	\$ 6,250	0		\$ 6,250
Task 4 – Mgt actions & Projects	\$13,000	\$560		\$13,560
Task 5 – Effectiveness Eval.	\$38,950	\$420		\$39,370
Task 6 – Grant administration	\$11,800	0		\$11,800
In-Kind Contributions	\$0	0	\$15,000	\$15,000
Total Costs:	\$111,475	\$2,075	\$15,000	\$128,550

Labor Costs

Project Personnel:	Project Manager	Project Engineer	Watershed Scientist	Field Technician	Grant Admin.	Clerical	Outreach Coordinator		Total Costs
Hourly Rate:	\$125	\$125	\$110	\$90	\$60	\$25	\$40		
Task 1	28								\$ 3,500
Task 2	100	115	60	50					\$37,975
Task 3	40	10							\$ 6,250
Task 4	60		50						\$13,000
Task 5	120	130	70						\$38,950
Task 6					120	40	90		\$11,800
Total Hours:	348	255	180	50	120				
Cost:	\$43,500	\$31,875	\$19,800	\$4,500	\$7,200	\$1,000	3,600		\$111,475

Other Direct Costs					
Item:	Copies	Materials	Equipment/ Supplies	Mileage	Total
.Units: Unit Cost:	No. \$0.10			Miles @ \$0.57	
Task 1 -				435	
Task 2 -				1,485	
Task 3 -				0	
Task 4 -				985	
Task 5 -				735	
Task 6 -				0	
Total Units:				3,640	
Total Cost:				\$2,075	\$2,075

In-Kind Contributions (If Applicable)				
Project Personnel:	TU, Coalition	American Whitewater		
Hourly Rate:	\$50	\$50		Total
Task 3	60	200		\$13,000
Task 4	40			\$ 2,000
Total Hours:	100	200		
Total Cost:	\$5,000	\$10,000		\$15,000

SCHEDULE

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

San Miguel River Stream Management Plan Pilot Project

Tasks	Start Date	Finish Date
1: characterize ecosystem attributes	Upon NTP	NTP + 30 days
2: evaluate ecosystem state variables	Upon NTP	NTP + 150 days
3: evaluate recreational user preferences	NTP + 120 days	NTP + 180 days
4: identify alternative management actions and projects	NTP + 150 days	NTP + 210 days
5: evaluate effects of mgmt. actions and projects on ecosystem state variables	NTP + 210 days	NTP + 330 days

NTP = Notice to Proceed

San Miguel River Stream Management Plan Pilot Project

Tasks	First 6 Months						Second 6 Months					
1: characterize ecosystem attributes												
2: evaluate ecosystem state variables												
3: evaluate recreational user preferences												
4: identify alternative management actions and projects												
5: evaluate effects of mgmt. actions and projects on ecosystem state variables												

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.

Appendix 1

Reference Information

The following information is available via the internet. The reference information provides additional detail and background information.

- Water Supply Reserve Account main webpage:
 - <http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Pages/main.aspx>
- Water Supply Reserve Account – Basin Fund Application Details:
 - <http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Pages/BasinWaterSupplyReserveAccountGrants.aspx>
- Water Supply Reserve Account – Statewide Fund Application Details:
 - <http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Pages/StatewideWaterSupplyReserveAccountGrants.aspx>
- Colorado Water Conservation Board main website:
 - <http://cwcb.state.co.us/>
- Interbasin Compact Committee and Basin Roundtables:
 - <http://cwcb.state.co.us/about-us/about-the-ibcc-brts/Pages/main.aspx/Templates/BasinHome.aspx>
- House Bill 05-1177 – (Also known as the Water for the 21st Century Act):
 - <http://cwcbweblink.state.co.us/DocView.aspx?id=105662&searchhandle=28318>
- House Bill 06-1400 – (Adopted the Interbasin Compact Committee Charter):
 - <http://cwcbweblink.state.co.us/DocView.aspx?id=21291&searchhandle=12911>
- Senate Bill 06-179 – (Created the Water Supply Reserve Account):
 - <http://cwcbweblink.state.co.us/DocView.aspx?id=21379&searchhandle=12911>
- Statewide Water Supply Initiative 2010:
 - <http://cwcb.state.co.us/water-management/water-supply-planning/Pages/SWSI2010.aspx>

Appendix 2

Insurance Requirements

NOTE: The following insurance requirements taken from the standard contract apply to WSRA projects that exceed \$25,000 in accordance with the policies of the State Controller's Office. Proof of insurance as stated below is necessary prior to the execution of a contract.

13. INSURANCE

Grantee and its Sub-grantees shall obtain and maintain insurance as specified in this section at all times during the term of this Grant: All policies evidencing the insurance coverage required hereunder shall be issued by insurance companies satisfactory to Grantee and the State.

A. Grantee

i. Public Entities

If Grantee is a "public entity" within the meaning of the Colorado Governmental Immunity Act, CRS §24-10-101, et seq., as amended (the "GIA"), then Grantee shall maintain at all times during the term of this Grant such liability insurance, by commercial policy or self-insurance, as is necessary to meet its liabilities under the GIA. Grantee shall show proof of such insurance satisfactory to the State, if requested by the State. Grantee shall require each Grant with Sub-grantees that are public entities, providing Goods or Services hereunder, to include the insurance requirements necessary to meet Sub-grantee's liabilities under the GIA.

ii. Non-Public Entities

If Grantee is not a "public entity" within the meaning of the GIA, Grantee shall obtain and maintain during the term of this Grant insurance coverage and policies meeting the same requirements set forth in §13(B) with respect to sub-Grantees that are not "public entities".

B. Sub-Grantees

Grantee shall require each Grant with Sub-grantees, other than those that are public entities, providing Goods or Services in connection with this Grant, to include insurance requirements substantially similar to the following:

i. Worker's Compensation

Worker's Compensation Insurance as required by State statute, and Employer's Liability Insurance covering all of Grantee and Sub-grantee employees acting within the course and scope of their employment.

ii. General Liability

Commercial General Liability Insurance written on ISO occurrence form CG 00 01 10/93 or equivalent, covering premises operations, fire damage, independent Grantees, products and completed operations, blanket Grantual liability, personal injury, and advertising liability with minimum limits as follows: (a) \$1,000,000 each occurrence; (b) \$1,000,000 general aggregate; (c) \$1,000,000 products and completed operations aggregate; and (d) \$50,000 any one fire. If any aggregate limit is reduced below \$1,000,000 because of claims made or paid, Sub-grantee shall immediately obtain additional insurance to restore the full aggregate limit and furnish to Grantee a certificate or other document satisfactory to Grantee showing compliance with this provision.

iii. Automobile Liability

Automobile Liability Insurance covering any auto (including owned, hired and non-owned autos) with a minimum limit of \$1,000,000 each accident combined single limit.

iv. Additional Insured

Grantee and the State shall be named as additional insured on the Commercial General Liability and Automobile Liability Insurance policies (leases and construction Grants require additional insured coverage for completed operations on endorsements CG 2010 11/85, CG 2037, or equivalent).

v. Primacy of Coverage

Coverage required of Grantee and Sub-grantees shall be primary over any insurance or self-insurance program carried by Grantee or the State.

vi. Cancellation

The above insurance policies shall include provisions preventing cancellation or non-renewal without at least 45 days prior notice to the Grantee and the State by certified mail.

vii. Subrogation Waiver

All insurance policies in any way related to this Grant and secured and maintained by Grantee or its Sub-grantees as required herein shall include clauses stating that each carrier shall waive all rights of recovery, under subrogation or otherwise, against Grantee or the State, its agencies, institutions, organizations, officers, agents, employees, and volunteers.

C. Certificates

Grantee and all Sub-grantees shall provide certificates showing insurance coverage required hereunder to the State within seven business days of the Effective Date of this Grant. No later than 15 days prior to the expiration date of any such coverage, Grantee and each Sub-grantee shall deliver to the State or Grantee certificates of insurance evidencing renewals thereof. In addition, upon request by the State at any other time during the term of this Grant or any sub-grant, Grantee and each Sub-grantee shall, within 10 days of such request, supply to the State evidence satisfactory to the State of compliance with the provisions of this §13.

Appendix 3

Water Supply Reserve Account Standard Contract Information

NOTE: The standard contract is required for WSRA projects that exceed \$100,000. (Projects under this amount will normally be funded through a purchase order process.) Applicants are encouraged to review the standard contract to understand the terms and conditions required by the State in the event a WSRA grant is awarded. Significant changes to the standard contract require approval of the State Controller's Office and often prolong the contracting process.

It should also be noted that grant funds to be used for the purchase of real property (e.g. water rights, land, conservation easements, etc.) will require additional review and approval. In such cases applicants should expect the grant contracting process to take approximately 3 to 6 months from the date of CWCB approval.

The standard contract is available here under the header "Additional Resources" on the right side:

<http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Pages/BasinWaterSupplyReserveAccountGrants.aspx>

Appendix 4

W-9 Form

NOTE: A completed W-9 form is required for all WSRA projects prior execution of a contract or purchase order. Please submit this form with the completed application.