

Colorado Water Conservation Board

Water Supply Reserve Fund Grant Application

Instructions

All WSRF grant applications shall conform to the current 2016 WSRF Criteria and Guidelines.

To receive funding from the WSRF, a proposed water activity must be approved by a Roundtable(s) **AND** the Colorado Water Conservation Board (CWCB). The process for Roundtable consideration and recommendation is outlined in the 2016 WSRF Criteria and Guidelines. The CWCB meets bimonthly according to the schedule on page 2 of this application.

If you have questions, please contact the current CWCB staff Roundtable liaison:

Arkansas Gunnison | North Platte | Colorado | Metro | Rio Grande |

South Platte | Yampa/White Southwest

Ben Wade Craig Godbout Megan Holcomb

303-866-3441 x3238 303-866-3441 x3210 303-866-3441 x3222

	WSRF Submittal Checklist (Required)			
xx	I acknowledge this request was recommended for CWCB approval by the sponsoring roundtable.			
xx	I acknowledge I have read and understand the 2016 WSRF Criteria and Guidelines.			
xx	I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract.(1)			
Appli	cation Documents			
xx	Exhibit A: Statement of Work ⁽²⁾ (Word – see Template)			
xx	Exhibit B: Budget & Schedule ⁽²⁾ (Excel Spreadsheet – see Template)			
xx	Letters of Matching and/or Pending 3 rd Party Commitments ⁽²⁾			
xx	Map ⁽²⁾			
	Photos/Drawings/Reports			
xx	Letters of Support			
Contr	Contracting Documents ⁽³⁾			
xx	Detailed/Itemized Budget ⁽³⁾ (Excel Spreadsheet – see Template)			
xx	Certificate of Insurance ⁽⁴⁾ (General, Auto, & Workers' Comp.)			
xx	Certificate of Good Standing ⁽⁴⁾			
XX	W-9 Form ⁽⁴⁾			
	Independent Contractor Form ⁽⁴⁾ (If applicant is individual, not company/organization)			
	Electronic Funds Transfer (ETF) Form ⁽⁴⁾			

- (1) Click "Grant Agreements". For reference only/do not fill out or submit/required for contracting
- (2) Required with application if applicable.
- (3) Additional documentation providing a Detailed/Itemized Budget maybe required for contracting. Applicants are encouraged to coordinate with the CWCB Project Manager to determine specifics.
- (4) Required for contracting. While optional at the time of this application, submission can expedite contracting upon CWCB Board approval.



Schedule		
CWCB Meeting	Application Submittal Dates	Type of Request
January	December 1	Basin Account; BIP
March	February 1	Basin/Statewide Account; BIP
May	April 1	Basin Account; BIP
July	June 1	Basin Account; BIP
September	August 1	Basin/Statewide Account; BIP
November	October 1	Basin Account/BIP

Desired Timeline		
Desired CWCB Hearing Month:	May 2019	
Desired Notice to Proceed Date:	July 15, 2019 (or asap).	

Water Activity Summary			
Name of Applicant	Trout Unlimited and the Blue River Watershed Group.		
Name of Water Activity	Blue River Integrated Water Mgt. Plan.		
Approving Roundtable	e(s)	Basin Account Request(s) ⁽¹⁾	
Colorado Basin Roundtable.		\$17,110.00	
Basin Account Request Subtotal		\$ 17,110.00	
Statewide Account Request ⁽¹⁾		\$ 0.00	
Total WSRF Funds Requested (Basin & Statewide)		\$ 17,110.00	
Total Project Costs		\$ 253,639.00	

⁽¹⁾ Please indicate the amount recommended for approval by the Roundtable(s)



Grantee and Applicant Information			
Name of Grantee(s)	Trout Unlimited and Blue River Watershed Group (TU will act as fiscal agent).		
Mailing Address	115 N. 5 th Street, Suite #409, Grand Junction, CO 81501		
FEIN	38-1612715		
Grantee's Organization Contact ⁽¹⁾	Richard Van Gytenbeek		
Position/Title	Colorado River Basin Outreach Coordinator		
Email	r.vangytenbeek@tu.org		
Phone	307-690-1267		
Grant Management Contact ⁽²⁾	Same as above.		
Position/Title			
Email			
Phone			
Name of Applicant (if different than grantee)			
Mailing Address			
Position/Title			
Email			
Phone			

⁽¹⁾ Person with signatory authority

(2) Person responsible for creating reimbursement invoices (Invoice for Services) and corresponding with CWCB staff.

Description of Grantee

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

Grantee/Applicant Description

Trout Unlimited is the nation's largest cold-water conservation organization, with 250,000 members dedicated to conserving, protecting, and restoring North America's trout and salmon fisheries and their watersheds.

TU will be working closely with the Blue River Watershed Group (BRWG) board and staff throughout the project. The BRWG was formed in 2004 and received its 501(c) (3) status from the IRS on September 8, 2005. BRWG is managed by a volunteer board of directors who have expertise in various fields related to water, land use and environmental stewardship and represent a number of vital stakeholders.



	Type of Eligible Entity (check one)			
	Public (Government): municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities. Federal agencies are eligible, but only if they can make a compelling case for why a local partner cannot be the grant recipient.			
	Public (Districts): authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises			
	Private Incorporated: mutual ditch companies, homeowners associations, corporations			
	Private Individuals, Partnerships, and Sole Proprietors: are eligible for funding from the Basin Accounts but not for funding from the Statewide Account.			
XX	xx Non-governmental organizations: broadly, any organization that is not part of the government			
	Covered Entity: as defined in Section 37-60-126 Colorado Revised Statutes			

Type of Water Activity (check one)		
XX	Study	
	Implementation	

	Category of Water Activity (check all that apply)			
XX	Nonconsumptive (Environmental)			
XX	Nonconsumptive (Recreational)			
XX	Agricultural			
XX	Municipal/Industrial			
XX	Needs Assessment			
XX	Education & Outreach			
	Other	Explain:		

Location of Water Activity		
	county and coordinates of the proposed activity below in decimal degrees . vide, in Exhibit C, a site map if applicable.	
County/Counties	Summit County and parts of Grand County, Colorado	
Latitude	39.48250 North	
Longitude	-106.0444 West (Summit Co. Courthouse in Breckenridge)	



Water Activity Overview

Please provide a summary of the proposed water activity (200 words or less). Include a description of the activity and what the WSRF funding will be used for specifically (e.g. studies, permitting, construction). Provide a description of the water supply source to be utilized or the water body affected by the activity. 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, area of habitat improvements. 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, and Schedule.

Project Overview.

Trout Unlimited (TU) and the Blue River Watershed Group (BRWG) are working together to produce a basin-wide integrated water management plan (IWMP) for the Blue River basin in Summit and Grand Counties in Colorado. The long-term goal of the IWMP will be to enable consumptive and non-consumptive water users to understand and quantify current and future use and integrate those uses for the maximum benefit of all users while protecting the existing water resource.

The initial scope of work for this grant request (IWMP-Phase One) has two primary objectives to be completed through four main tasks. The two objectives are to: 1) work in parallel with the Blue River Enhancement Workgroup (BREW) to understand the reasons for the declining Blue River trout fishery; and 2) compile current research, management plans, and stakeholder input to inform the IWMP-Phase Two. Tasks include: 1) the formulation of an advisory team along with broad stakeholder outreach; 2) determination of the causes for the declining fishery between Dillon and Green Mountain Reservoirs; 3) compilation and analysis of existing data-information-studies; and 4) the development of "next steps" focusing on the formulation of IWMP-Phase Two implementation goals and objectives.

Measurable Results			
To catalog measurable resi	ults achi	eved with WSRF funds please provide any of the following values.	
	New S	torage Created (acre-feet)	
	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive		
	Existing Storage Preserved or Enhanced (acre-feet)		
102600 LF (approx 19 miles)	Length of Stream Restored or Protected (linear feet) Efficiency Savings (indicate acre-feet/year OR dollars/year) Area of Restored or Preserved Habitat (acres)		
15,840 LF (approx 3 miles)			
	Length of Pipe/Canal Built or Improved		
	Other	Explain:	



Water Activity Justification

Provide a description of how this water activity supports the goals of <u>Colorado's Water Plan</u>, the most recent <u>Statewide Water Supply Initiative</u>, and the respective <u>Roundtable Basin Implementation Plan and Education Action Plan</u> (1). 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).

For applications that include a request for funds from the Statewide Account, the proposed water activity shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan criteria for state support (CWP, Section 9.4, pp. 9-43 to 9-44;) (Also listed pp. 4-5 in 2016 WSRF Criteria and Guidelines).

Water Project Justification

The Blue River Integrated Water Management Plan supports the goals of the:

Colorado Water Plan.

Goal A. Supply Demand Gap (CWP, Chap. 10, Sec. 10.3, pg. 10.9).

The BRIWMP effort proposes a grassroots approach to engage the local community in an integrated water management plan through the formation of a stakeholder group, advisory committee, public meeting process, earned media outreach and a summary report that defines the BRIWMP future goals, objectives, identified water projects and innovative management techniques that will comprise the BRIWMP-Phase 2.

Goal B. Conservation (CWP, Chap. 10, Sec. 10.3, pg. 10.9).

The BRIWMP will increase awareness of the finite water supplies in the Blue River basin. This awareness should result in an increased awareness and commitment of the local and Front Range communities dependent on these supplies to increase conservation and efficiency of municipal water supplies.



Water Activity Justification

Goal D. Agriculture (CWP, Chap. 10, Sec. 10.3, pg. 10.10).

The BRIWMP currently counts the Friends of the Lower Blue River (FOLBR) as one of our stakeholders. As the voice for many agricultural producers in the lower Blue River, FOLBR will be supporting the BRIWMP to assess and identify opportunities to upgrade diversion structures, turn-outs and ditches to maximize water application efficiency and to understand return flows, the timing and its relation to the Blue River. This information will help identify projects in Phase 2 that will help producers to improve yield and protect these important precompact water rights in the Colorado River basin.

Goal E. Storage (CWP, Chap. 10, Sec. 10.3, pg. 10.11).

Through the literature search, review and assessment (Task #3), the BRIWMP will assist in reviewing and assessing ongoing water development in the upper Blue River basin by making important data sets and information available to all parties involved in local or trans-basin water development.

Goal F. Watershed Health, Environment and Recreation (CWP, Chap. 10, Sec. 10.3, pg. 10.12).

Because the economy of Summit County and the local municipalities are dependent on a sustainably healthy watershed and environment which in turn supports a robust recreation industry, this goal is central to the BRIWMP. Objective #1 provides funding to an ongoing effort initiated by the Blue Rive Enhancement Workgroup (BREW) to study and address the declining fishery in the Blue River between Dillon and Green Mountain reservoirs. Objective #2, through an environmentally focused literature search, review and assessment is intended to identify important goals, objectives, projects and management techniques that the local community can begin to employ to protect and enhance their healthy watershed and environment to be addressed in Phase 2.

Goal H. Education (CWP, Chap. 10, Sec. 10.3, pg. 10.13).



Water Activity Justification

Outreach and Innovation-The BRIWMP is largely a community driven plan. It involves the engagement of stakeholders, the creation of a stakeholder advisory committee, community input meetings and incorporation of the results into a final document that identifies goals, objectives, projects and management techniques to be employed in Phase 2.

SWSI 2010.

Recommendation 1. 'Actively encourage projects to address multiple purposes, including municipal, industrial, environmental, recreational, agricultural, risk management, and compact compliance needs (SWSI 2010, Executive Summary, pg. 40)."

Given the highly appropriated condition of the basin, new projects must be multi-use. The BRIWMP is intended to encourage the Blue River basin community to respect existing water rights while seeking a mutually beneficial relationship between consumptive and non-consumptive uses. This effort will also focus on identifying innovative management techniques that benefit multiple uses such as re-timing releases of water and working to reduce impacts of consumptive uses on the environment.

Recommendation #5. "Support meeting Colorado's non-consumptive water needs by working with Colorado's water stakeholders to help:

- Promote recovery and sustainability of endangered, threatened, and imperiled species in a manner that allows the state to fully use its compact and decreed entitlements.
- Protect or enhance environmental and recreational values that benefit local and statewide economies.
- Encourage multi-purpose projects that benefit both water users and native species.
- Pursue projects and other strategies, including CWCB's Instream Flow Program, that benefit consumptive water users, the riparian and aquatic environments, and



Water Activity Justification

stream recreation.

• Recognize the importance of environmental and recreational benefits derived from agricultural water use, storage reservoirs, and other consumptive water uses and water management (SWSI 2010, Executive Summary, pg. 41)."

Task#2 of the BRIWMP seeks to understand and mitigate if possible the declining trout fishery in the Blue River between Dillon and Green Mt. reservoirs without impact to existing water rights. In concert with Task #3 the project is intended to protect and enhance the environmental and recreational values that benefit locals and visitors to this basin. Task #4 of the IWMP is intended to identify multi-use goals, objectives, projects and innovative water management techniques that benefit both water users and native (and endemic) species through strategies such as re-timed reservoir releases, improved conservation techniques, upgraded agricultural irrigation infrastructure, etc.

Recommendation #12. "Continue the evaluation of Colorado's water supply availability in all basins to help provide water users with viable analysis tools (SWSI 2010, Executive Summary, pg. 41)."

One of the key outcomes from the BRIWMP Task #3, is to identify (through a literature search) information on water supply availability in the basin. By reviewing and assessing this information (Task #4), the basin wide community will be provided with information on current use, the availability of additional supply, impacts of future water development and options for multiple use.

Colorado Basin Roundtable-Basin Implementation Plan.

Theme #1. "Protect and Restore Healthy Streams, Rivers, Lakes and Riparian Areas (CBRT-BIP, Executive Summary, pg. 2)."



Water Activity Justification

The BR-IWMP incorporates two distinct study efforts that will enable and inform water management planning in the basin. They are: an 18 month study to determine the reasons for and recommendations to address the declining fishery between Dillon and Green Mt. reservoirs and an environmentally based literature search, review and assessment of biological/physical studies, water rights and other water related topics. Both study efforts are structured to protect and to the greatest extent possible, improve existing water resource conditions by increasing the level of empirically based information that will guide future water management decisions in the basin.

Theme #2. "Sustain Agriculture (CBRT-BIP, Executive Summary, pg. 2)."

Irrigated cattle ranches still exist in the Blue River basin. Summit County and groups like Friends of the Lower Blue have proactively supported them through various means. A key component of Task #3 is structured to offer the opportunity to inventory and subsequently upgrade aging infrastructure and to understand the relationship between flood irrigation and return flow in order to maximize yield and if possible, increase benefit to adjacent creeks and the Blue River. This is key to sustaining these ranches and protecting their pre-compact water rights.

Theme #3. "Secure, Safe Drinking Water ((CBRT-BIP, Executive Summary, pg. 3)."

Water quality and quantity studies abound for the Blue River basin. However, they exist as solitary works with little integration. Task #3 and #4 will provide both trans-basin diverters and local municipalities with a coordinated summary of current demand on the Blue River. In addition, Tasks #3 and #4 will compile existing water related literature to inform efforts to mitigate the effects of mining on water quality and to further inform the future use of this limited resource.

Theme #4. "Develop Local Water Conscious Land Use Strategies (CBRT-BIP, Executive Summary, pg. 3)."

The literature compilation, review and recommendations that emerge from Task #3 and #4



Water Activity Justification

studies in the Snake, Swan, Blue and Tenmile sub-basins (and others as they are available) will provide a better picture of water supply, current use and potential future supply. This information will enable the Blue River community to employ water conscious land planning and water rate structures to define future growth and conservation strategies while maintaining adequate flows in streams and rivers.

Theme #5. "Assure Dependable Basin Administration (CBRT-BIP, Executive Summary, pg. 3)."

Gaining a better understanding of basin supply and its relation to existing use and future
growth will help to assure that downstream rights are fulfilled and the importance of
conservation in sustaining the environment.

(1) Access Basin Implementation Plans or Education Action Plans from Basin drop down menu.

Matching Requirements: Basin Account Requests

Basin (only) Account grant requests require a 25% match (cash and/or in-kind) from the Applicant or 3rd party and shall be accompanied by a **letter of commitment** as described in the 2016 WSRF Criteria and Guidelines (submitted on the contributing entity's letterhead). Attach additional sheet if necessary.

Contributing Entity	Amount and Form of Match (note cash or in-kind)
Town of Silverthorne	\$ 15,000.00 (cash)



Matching Requirements: Basin Account Requests		
Blue Valley Ranch	\$ 12,000.00 (cash)	
Summit County Water Quality Committee (via NWCOG)	\$ 2.500.00 (cash)	
Summit County	\$ 2,500.00 (cash)	
TU and BRWG Staff Time (.35 FTE for 18 mo. grant period)	\$ 31,710.00 (In-kind)	
Total Match	\$ 63,710.00	
If you requested a Waiver to the Basin Account matching requirements, indicate the percentage you wish waived.		

Matching Requirements: Statewide Account Requests

Statewide Account grant requests require a 50% match as described in the 2016 WSRF Criteria and Guidelines. A minimum of 10% match shall be from Basin Account funds (cash only). A minimum of 10% match shall be provided by the applicant or 3rd party (cash, in-kind, or combination). The remaining 30% of the required match may be provided from any other source (Basin, applicant, or 3rd party) and shall be accompanied by a **letter of commitment**. Attach additional sheet if necessary.

Contributing Entity	Amount and Form of Match (note cash or in-kind):
Total Match	\$
If you requested a Waiver to the Statewide Account matching, indicate % you wish waived. (Max 50% reduction of requirement).	

Related Studies



Related Studies

Colorado Basin Roundtable IWMP. The BRIWMP follows the recommended CBRT-IWMP structure and utilizes the interactive GIS mapping tools, literature library and community engagement protocol.

Eagle River and Middle Colorado IWMPs. The BRIWMP compliments the on-going Eagle River and Middle Colorado IWMPs as another Colorado River sub-basin that is in the process of completing the first phases of water management planning.

Colorado Basin Roundtable Legacy Project. The CBRT Legacy Project created the CBRT-IWMP in an effort to encourage all the Colorado River sub-basins to adopt integrated water management planning as part of their future water resource management tools. By doing so it was the intent of the Roundtable to also be able to better assess and interpret each basin individually but also the interrelationships among the sub-basins that make up the Colorado River main-stem. Funding this project will leave only the Roaring Fork and Grand Valley to complete IWMPs in the Colorado River.

Previous CWCB Grants

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

Applicant Name: Trout Unlimited.

Water Activity Name: Ware and Hinds Fish Passage in Colorado Basin.

Approving Roundtable: Colorado Basin Roundtable.

Date of Approval: CWCB-September 21, 2016, CBRT-May 23, 2016, (Notice to Proceed 2/14/17).

PO Number: POGGI PDAA 201700000749

Percentage Additional CWCB Funding: None. Additional funding came from CPW, CPW-Fishing is Fun and privately donated funds.

Tax Payer Bill of Rights

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.

No Tabor issues will affect this application.



Water Supply Reserve Fund Water Activity Summary Sheet May 16, 2019 Agenda Item 26(f)

Applicant & Grantee: Trout Unlimited and the Blue River Watershed Group

Water Activity Name: Blue River Integrated Water Management Plan

Water Activity Purpose: Multipurpose Study

County: Summit County and parts of Grand County

Drainage Basin: Colorado
Water Source: Blue River

Amount Requested: \$17,110 Colorado Basin Account

Matching Funds: Applicant Match (cash & in-kind) = \$63,710

• 372% of the Basin Account request (meets 25% min)

• 25% of the total project cost of \$253,639

Staff Recommendation:

Staff recommends approval of up to \$17,110 from the Colorado Basin Account to help fund the project titled: Blue River Integrated Water Management Plan.

Water Activity Summary: WSRF grant funds, if approved, will help Trout Unlimited (TU) and the Blue River Watershed Group (BRWG) work together to produce a basin-wide integrated water management plan (IWMP) for the Blue River basin in Summit and Grand Counties in Colorado. The long-term goal of the IWMP will be to enable consumptive and non-consumptive water users to understand and quantify current and future use and integrate those uses for the maximum benefit of all users while protecting the existing water resource (approx. 19 miles of stream).

The initial scope of work for this grant request (IWMP-Phase One) has two primary objectives to be completed through four main tasks. The two objectives are to: 1) work in parallel with the Blue River Enhancement Workgroup (BREW) to understand the reasons for the declining Blue River trout fishery; and 2) compile current research, management plans, and stakeholder input to inform the IWMP-Phase Two. Tasks include: 1) the formulation of an advisory team along with broad stakeholder outreach; 2) determination of the causes for the declining fishery between Dillon and Green Mountain Reservoirs; 3) compilation and analysis of existing data-information-studies; and 4) the development of "next steps" focusing on the formulation of IWMP-Phase Two implementation goals and objectives.

Discussion: As described in the Colorado basin roundtable chair's recommendation letter, this project was supported and recommended for approval by the roundtable on March 25, 2019. The project will help meet goals outlined in the Colorado Water Plan (Goals A, B, D, E, and F) and in the Colorado River Basin's Basin Implementation Plan (Themes 1-5). This project will advance understanding of negative conditions affecting the Blue River in Summit County, not the least being the habitat conditions, which are contributing to the degradation of the Gold Medal fisheries. Both Colorado's Water Plan and the Basin Implementation Plan address stream management planning and the need for healthy streams and riparian areas.

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

Eligibility Requirements: The application meets requirements of all eligibility components.

Evaluation Criteria: Staff has determined this activity satisfies the Evaluation Criteria.

Funding Summary / Matching Funds:

Funding Source	<u>Cash</u>	<u>In-Kin\$0d</u>	<u>Total</u>
Town of Silverthorne	\$15,000	\$0	\$15,000
Blue Valley Ranch	\$12,000	\$0	\$12,000
Summit County Water Quality Committee (via NWCOG)	\$2,500	\$0	\$2,500
Summit County	\$2,500	\$0	\$2,500
TU and BRWG Staff Time (.35 FTE x 18 mo.)	\$0	\$31,710	\$0
Sub-total	\$32,000	\$31,710	\$63,710
CWCD W-41-1 D-41	#10 6 0 1 0	1	Φ1 3 C 010
CWCB Watershed Restoration grant awarded	\$126,819	n/a	\$126,819
CWCB CWP Grant (Env&Rec) pending	\$126,819 \$30,000	n/a n/a	\$126,819 \$30,000
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CWCB CWP Grant (Env&Rec) pending	\$30,000	n/a	\$30,000

CWCB Project Manager: Chris Sturm

THE COLORADO BASIN ROUNDTABLE C/O P.O. BOX 1120 GLENWOOD SPRINGS, COLORADO 81602

March 29, 2019

Megan Holcomb Colorado Water Conservation Board Water Supply Planning Section 1313 Sherman Street Denver CO

Dear Megan:

The Colorado Basin Roundtable voted unanimously at its March 25, 2019 meeting to support the WSRF request of \$17,110 for the Blue River Integrated Water Management Plan Project. This project will advance understanding of negative conditions affecting the Blue River in Summit County, not the least being the habitat conditions which are contributing to the degradation of the Gold Medal fisheries.

Both Colorado's Water Plan and the Basin Implementation Plan address stream management planning and the need for healthy streams and riparian areas.

Sincerely yours,

Jim Pokrandt

Chair, Colorado Basin Roundtable