

Water Supply Reserve Account – Grant and Loan Program
Water Activity Summary Sheet
May 18-19, 2016
Agenda Item 18(a)

Applicant & Fiscal Agent: Lower Arkansas Valley Water Conservancy District

Water Activity Name: Pueblo Channel Debris Removal and Habitat Restoration Project

Water Activity Purpose: Multipurpose

County: Pueblo

Drainage Basin: Arkansas

Water Source: Fountain Creek

Amount Requested/Source of Funds: \$5,000 Arkansas Basin Account (total grant request)

Matching Funds: Applicant/3rd Party Match (\$274,000) = 98.2% of total project costs (\$279,000)
(refer to *Funding Summary/Matching Funds* section)

Staff Recommendation:

Staff recommends approval of up to \$5,000 from the Arkansas Basin Account to help fund the project titled: Pueblo Channel Debris Removal and Habitat Restoration Project.
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Water Activity Summary: WSRA funds, if approved, will be expended to fund the project titled: Pueblo Channel Debris Removal and Habitat Restoration Project. The purpose of this project is to remove debris from the Fountain Creek channel within the City of Pueblo and to restore habitat areas within the channel that have been degraded by recent flood activity. In 2012 and again in 2013, significant wildfires occurred in the upper reaches of Fountain Creek. Subsequent flood events, and to some extent even ordinary heavy rains, have caused deposition of debris within the channel. The project's multiple purposes include incremental restoration of possibly degraded habitat (environmental), but also increased public safety (municipal) and reduction of flood risk.

The Basin Fund account request of \$5,000 has two purposes: 1) To engage the Arkansas Basin Roundtable in the initial phase of what is hoped to become a multi-year, multi-project initiative to fully restore the Fountain Creek corridor within the City of Pueblo, and; 2) Through that awareness, develop enthusiasm for a subsequent WSRA grant request requesting Basin and Statewide funds in the third quarter of 2016.

The objectives of the project are as follows:

- Objective 1 – Coordinate the debris removal/habitat restoration activity with interested agencies, including procurement of a U.S. Army Corps of Engineers (“COE”) Nationwide Permit #27, *Aquatic Habitat Restoration, Establishment and Enhancement Activities*.

- Objective 2 –Removal of flood-placed debris, trash and other foreign matter currently residing in the stream channel and banks of Fountain Creek between the Highway 47 bridge (north) downstream to approximately 8th Street (south) in Pueblo, Colorado, resulting in restored aquatic habitat and increased public safety.
- Objective 3 – Manage the project through construction to completion, with a final report submitted to funding and permitting agencies.

Discussion: This project is consistent with the goals and actions identified in the Arkansas Basin Implementation Plan. The project is also consistent with the key action items, goals, and measurable objectives identified in Colorado’s Water Plan, specifically critical action items identified in Chapter 10 which direct the CWCB to work with BRTs and project proponents to fund projects which have been prioritized by basin roundtables.

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

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

Tier 1-3 Evaluation Criteria: n/a

Funding Summary/Matching Funds:

<u>Funding Source</u>	<u>Cash</u>	<u>In-kind</u>	<u>Total</u>
Pueblo County	\$100,000	\$0	\$100,000
Fountain Creek District	\$74,000	\$0	\$74,000
LAVWCD	\$100,000	\$0	\$100,000
Subtotal Matching Funds	\$274,000	\$0	\$274,000
WSRA Arkansas Basin Account	\$5,000	n/a	\$5,000
Total Project Costs	\$279,000	\$0	\$279,000

CWCB Project Manager: Brent Newman

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.

Arkansas Basin Roundtable

April 18, 2016

Via Electronic Mail: craig.godbout@state.co.us

Mr. Craig Godbout
Colorado Water Conservation Board
1313 Sherman Street, Room 721
Denver, CO 80203

Re: Water Supply Reserve Account Grant Application: Pueblo Channel Debris Removal Project

Dear Craig:

At its April 13, 2016 meeting, the Arkansas Roundtable approved the Pueblo Channel Debris Removal Project for \$5,000 in Basin Funds, with \$250,000 cash matching funds from a consortium of participating agencies, including Pueblo County, the Fountain Creek Watershed, Flood Control and Greenway District and the Lower Arkansas Valley Water Conservancy District. There were no dissenting opinions expressed in the consensus decision.

This project has been expedited to offset the impending consequences of debris deposited in the Fountain Creek channel as it traverses the City of Pueblo. Wild fires in the upper reaches of the Fountain Creek Watershed (Waldo, 2012; Black Forest, 2013) coupled with flood events in September, 2013 and in 2015, have resulted in extraordinary quantities of debris within the streambed. With a demonstrable wet cycle active, removal of the debris is imperative to avoid additional flooding.

This project furthers the goals and objectives of the Arkansas Basin Implementation Plan and the Colorado Water Plan, particularly Objectives E. Watershed Health, Environment, and Recreation: "*Protect and Restore Critical Watersheds*," and I. Additional Critical Actions: "*Prepare for and Respond to Natural Disasters*" (Section 10.3). Should you have any questions or concerns, please feel free to contact me either by telephone, 719-742-6164, or by email, sandy@white-jankowski.com.

With warm regards

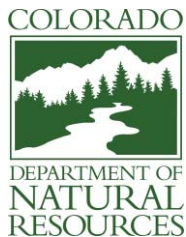


Michael D. (Sandy) White
Chair

Copy via email:

Applicant

ABRT Executive Committee



COLORADO WATER CONSERVATION BOARD



WATER SUPPLY RESERVE ACCOUNT APPLICATION FORM

Today's Date: April 11, 2016

Pueblo Channel Debris Removal and Habitat Restoration Project

Name of Water Activity/Project

Lower Arkansas Valley Water Conservancy District

Name of Applicant

Arkansas Basin

Amount from Statewide Account:

none

Amount from Basin Account(s):

\$5,000.00

Total WSRA Funds Requested:

\$5,000.00

Approving Basin Roundtable(s)

(If multiple basins specify amounts in parentheses.)

FEIN: 48-1298144

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)

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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>. 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):	Lower Arkansas Valley Water Conservancy District		
	Mailing address:	801 Swink Avenue Rocky Ford, CO 81067		
	FEIN #:	48-1298144		
	Primary Contact:	Jay Winner	Position/Title:	General Manager
	Email:	jwinner@centurytel.net		
	Phone Numbers:	Cell: 719-469-8935	Office:	719-254-5115
	Alternate Contact:	Brenda Fillmore	Position/Title:	
	Email:	Bfillmore13@centurytel.net		
	Phone Numbers:	Cell:	Office:	719—254-5115

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

The Lower Arkansas Valley Water Conservancy District (LAVWCD) is a water conservancy district established in 2002 pursuant to Colorado law, C.R.S. § 37-45-101 et seq. The Lower Ark District's mission is to acquire, retain and conserve water resources within the Lower Arkansas River; to encourage the use of such water for the socio-economic benefit of the District citizens; and to participate in water-related projects that will embody thoughtful conservation, responsible growth, and beneficial water usage within the Lower Arkansas Valley. As such, this includes promoting and protecting agriculture in the Lower Arkansas Basin.

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

The Lower Ark District formed a Water Activity Enterprise in 2003 to manage the District's water assets and provide services to the District on a reimbursable basis. The Lower Arkansas Valley Water Enterprise Fund will be the contracting entity for this project.

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.

LAVWCD's property tax levy is exempt from TABOR pursuant to the election that formed the district in 2002.

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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 purpose of this project is to remove debris from the Fountain Creek channel within the City of Pueblo and to restore habitat areas within the channel that have been degraded by recent flood activity. In 2012 and again in 2013, significant wild fires occurred in the upper reaches of Fountain Creek. Subsequent flood events, and to some extent even ordinary heavy rains, have caused deposition of debris within the channel. The project's multiple purposes include incremental restoration of possibly degraded habitat (environmental), but also increased public safety (municipal) and reduction of flood risk.

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 and provide the general coordinates below:

Latitude: 39.30

Longitude: -104.60



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 objectives are as follows:

- **Objective 1** – Coordinate the debris removal/habitat restoration activity with interested agencies, including procurement of a U.S. Army Corps of Engineers (“COE”) Nationwide Permit #27, Aquatic Habitat Restoration, Establishment and Enhancement Activities.
- **Objective 2** – Removal of flood-placed debris, trash and other foreign matter currently residing in the stream channel and banks of Fountain Creek between the Highway 47 bridge (north) downstream to approximately 8th Street (south) in Pueblo, Colorado, resulting in restored aquatic habitat and increased public safety.
- **Objective 3** – Manage the project through construction to completion, with a final report submitted to funding and permitting agencies.

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

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

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The project will not supersede, abrogate, or otherwise impair the State's current system of allocating water within Colorado nor does it in any manner repeal or amend the existing water rights adjudication system. The project does not affect the State Constitution's recognition of water rights as a private usufructuary property right nor is it 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.

- 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.

Chairman's letter under separate cover.

- 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.
- 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 but 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,

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.

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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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)

Proposed is \$250,000 cash match representing 98% of the project cost. There are no Statewide funds requested. The Basin Fund account request of \$5,000 has two purposes: 1) To engage the Arkansas Basin Roundtable in the initial phase of what is hoped to become a multi-year, multi-project initiative to fully restore the Fountain Creek corridor within the City of Pueblo, and; 2) Through that awareness, develop enthusiasm for a subsequent WSRA grant request requesting Basin and Statewide funds in the third quarter of 2016.

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. 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).~~
- 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.~~
- e. ~~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.~~

Tier 2: Facilitating Water Activity Implementation

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- ~~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).~~
- ~~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.~~

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.~~

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 water body affected by this activity is Fountain Creek, a tributary of the Arkansas River with its confluence in the City of Pueblo. The manifold interaction between multiple local jurisdictions regarding the historic, current and future conditions of the Fountain Creek channel include intergovernmental agreements, 1041 permitting requirement, state and federal permitting and local initiatives, like the Fountain Creek Vision Task Force.

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

Recent studies of the Fountain Creek watershed began following a flood event in 1999, culminating in a U.S. Army Corps of Engineers study that commenced in April, 2003 and was completed in 2006. Intensive permitting associated with Fountain Creek was triggered under the National Environmental Policy Act (NEPA) when Colorado Springs Utilities Southern Delivery System project triggered a public process in 2005. Permitting includes a Record of Decision for an Environmental Impact Statement by the U.S. Bureau of Reclamation and a 1041 Permit issued by Pueblo County. Subsequent studies include the Fountain Creek Vision Task Force Strategic Plan, the Fountain Creek Master Plan and USGS Scientific Investigations Report 2014-5019, Remediation Scenarios for Attenuating Peak Flows and Reducing Sediment Transport in Fountain Creek, Colorado, 2013.

With its WSRA grant request approved by CWCB in March, 2016, the Fountain Creek Watershed, Flood Control and Greenway District will commence a study to assess the downstream impact on senior water rights as a result

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of addressing the recommendations in USGS SIR 2014-5019 described above.

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

STATEMENT OF WORK ATTACHED AS EXHIBIT A

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.

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: Jay Winner, General Manager

Project Title: Pueblo Channel Debris Removal and Habitat Restoration Project

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

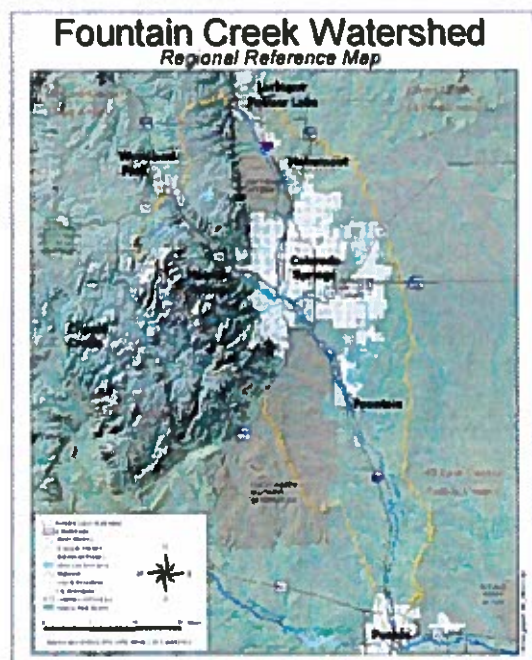
WATER ACTIVITY NAME – Pueblo Channel Debris Removal and Habitat Restoration Project

GRANT RECIPIENTS – Pueblo County; Fountain Creek Watershed, Flood Control and Greenway District, and; Lower Arkansas Valley Water Conservancy District. **FISCAL AGENT:** Lower Arkansas Water Conservancy District Enterprise

FUNDING SOURCE – Water Supply Reserve Account: \$5,000; **Matching Funds:** Pueblo County - \$100,000; Fountain Creek Watershed, Flood Control and Greenway District - \$50,000, and Lower Arkansas Valley Water Conservancy District - \$100,000. **Total Budget: \$255,000**

INTRODUCTION AND BACKGROUND

The Fountain Creek Watershed (HUC #11020003) transects an elevation change from 14,110' to just above 4,000' as the stream flows through the City of Pueblo, Colorado. The combination of substantial forest fires in 2012 and 2013 in the upper reaches of the watershed and a series of hydrologically wet years in 2013 and 2015 have resulted in an extraordinary deposition of debris in the Fountain Creek channel just above the confluence with the Arkansas River. The deposited



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

Signature of Applicant:

Print Applicant's Name: Jay Winner, General Manager

Project Title: Pueblo Channel Debris Removal and Habitat Restoration Project

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1313 Sherman St., Room 721
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Exhibit A: Statement of Work

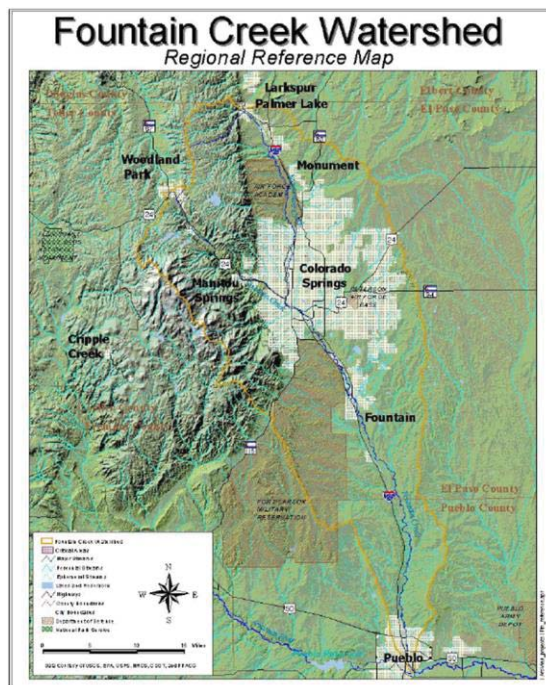
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GRANT RECIPIENTS – Pueblo County; Fountain Creek Watershed, Flood Control and Greenway District, and; Lower Arkansas Valley Water Conservancy District. **FISCAL AGENT:** Lower Arkansas Water Conservancy District Enterprise

FUNDING SOURCE – Water Supply Reserve Account: \$5,000; **Matching Funds:** Pueblo County - \$100,000; Fountain Creek Watershed, Flood Control and Greenway District - \$50,000, and Lower Arkansas Valley Water Conservancy District - \$100,000. **Total Budget: \$255,000**

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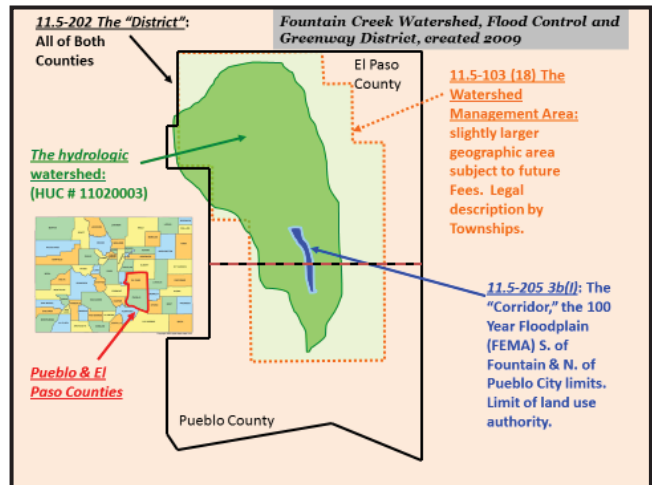


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debris not only impacts aquatic habitat within the corridor but may also represent a hazard to public safety. A rain event of any significance upstream of the channel may cause debris dams, debris piling up against transportation structures and localized flooding out of proportion to the precipitation event.

The Fountain Creek Watershed, Flood Control and Greenway District (the “District”) was formed by the Colorado General Assembly in 2009 to mitigate the impacts of changes to hydrology upstream on Fountain Creek’s reaches on the channel downstream. While the District is studying and promulgating strategies for mitigation in the long-term, limited resources are available to address the more immediate consequences of recent catastrophic events such as fire and flood. This grant request brings several local agencies together to support the removal and appropriate disposition of the flood-borne debris field with the goal of improving and restoring the channel without modifying the fluvial morphology of the channel itself.



OBJECTIVES

The objectives are as follows:

- **Objective 1** – Coordinate the debris removal/habitat restoration activity with interested agencies, including procurement of a U.S. Army Corps of Engineers (“COE”) Nationwide Permit #27, *Aquatic Habitat Restoration, Establishment and Enhancement Activities*.
- **Objective 2** – Removal of flood-placed debris, trash and other foreign matter currently residing in the stream channel and banks of Fountain Creek between the Highway 47 bridge (north) downstream to approximately 8th Street (south) in Pueblo, Colorado, resulting in restored aquatic habitat and increased public safety.
- **Objective 3** – Manage the project through construction to completion, with a final report submitted to funding and permitting agencies.

TASKS

There are three tasks as follows:

TASK 1 – Coordination with Permitting & Interested Agencies

Description of Task



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This task is integral with the Task #3, Project Management, but is stated as a separate task since the coordination may be limited or extensive. The current proposed schedule of work is likely to require limited permitting.

Method/Procedure

Telephone calls, face-to-face meetings, e-mails and other correspondence.

Deliverable

At a minimum, this task deliverable likely consists of issuance of a COE 404 Nationwide Permit #27 and verbal acknowledgement by engaged entities that the project construction can and should proceed as contemplated.

TASK 2 – Removal/Disposition of Debris in the Channel and Stream Banks

Subtask A: Remove Debris from Channel and Stream Banks

The depositional material, tree trunks, stumps, waste debris like tires, yard waste or other foreign material, will require a variety of construction equipment in order to remove that material from the stream channel. In addition, there may be islands infested with invasive species which, under the direction of permitting agencies, are candidates for removal without excavation in the channel.

Method/Procedure

One potential method of removal of the debris is by “drag line,” an established construction method for water resource development with a long history in the Arkansas River basin. A drag line can remove debris without placing the entire piece of equipment into the channel. Other types of construction equipment will be required, particularly if the execution of the project includes transporting material to a landfill or other location offsite. See Subtask B

Deliverable

Using photography and documentation from site visits, the project will deliver a “before and after” cleanup of the stream channel in the final report. The aesthetic and public safety improvements, while valid deliverables, will be more difficult to chronicle.

Subtask B: Evaluation, Transportation & Disposition of Materials

The permitting process will guide the extent and methodology for permanent disposition of the debris.

Method/Procedure

The first step in disposition is an evaluation of the types material. Wood products, trash and especially tires may require various dispositional methods. The more material that can be disposed of on site will increase the overall scale of the project.

Deliverable

The objective is to efficiently dispose of the foreign matter in an environmentally prudent manner. The deliverable will be project progress reports and a final report documenting such disposition.

Subtask C: Related Expenses for Disposition

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The permitting process will help define the range of potential disposition methods. There is the possibility that some debris may require removal to a toxic land fill. If so, third party expertise will be engaged to validate the identification and disposition of that material.

Method/Procedure

Identify qualified agencies or vendors to provide this service. Manage the vendor to completion of the project.

Deliverable

If required, the vendor will provide documentation of appropriate disposal. The final report will describe this activity (if required).

Subtask D: Sediment Control & Land Restoration as Appropriate

The permitting process will help identify areas where sediment and erosion controls are necessary to mitigate the impacts of the project activity. Where appropriate, land restoration methods, like soil erosion blanket for exposed banks, will be applied.

Method/Procedure

The project will employ Best Management Practices for these activities at the direction of the permitting entities.

Deliverable

Completed Best Management Practices on a case-by-case basis.

TASK 3 – Project Management

Description of Task

This task provides permitting, contracting, pre-construction, on-site and post construction oversight of the project activity.

Method/Procedure

Prior to construction start, with Task #1 completed, the designated project manager will have a minimum of one on-site, pre-construction meeting with the contractor. Details of schedule, activity, manpower and inclement weather alternatives will be discussed. Project management includes allocation of contingency funding where required, based on interaction with the project partners.

During the construction activity, the project manager will visit the site regularly, via both scheduled and unscheduled site visits. As each stage of construction is completed, the project manager will coordinate with the interested agencies to affirm appropriate post-construction conditions.

Deliverable

Project completion on time and on budget.

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.).

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Anticipated budget tables for the Project are provided below. These tasks correspond to those identified above.

Pueblo Channel Debris Removal and Habitat Restoration Project							
Budget							
	Task 1	Task 2				Task 3	Total
	Coordination with Permitting & Interested Agencies	A. Remove Debris from Channel & Stream Banks	B. Evaluation, Transportation & Disposition of Materials	C. Related Expenses for Disposition (Testing)	D. Sediment Control & Land Restoration as Appropriate	Project Management & Final Report	Cost
Project Costs (Phase 1)							
Project Manager	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$3,000	\$11,000
Contractor Bid (Estimate)		\$155,000	\$20,000	\$3,500	\$15,000		\$193,500
Contingency for Construction							\$30,000
							\$234,500
Direct Cost	Task 1	Task 2				Task 3	Total
Fees for Land Fill	\$0	\$0	\$7,500	\$0	\$0	\$0	\$7,500
Fees for Toxic Land Fill			\$7,500	\$0			\$7,500
Travel Costs (\$.56/mile)	\$560	\$560	\$560	\$560	\$560	\$0	\$2,800
Lodging & Per Diem	\$0	\$0	\$0	\$900	\$1,800	\$0	\$2,700
Total Direct Expenses	\$560	\$560	\$560	\$1,460	\$2,360	\$0	\$20,500
Project Rates						TOTAL:	\$255,000
Project Manager	Mileage		As a % of Total		Matching Funds		\$250,000
\$145/hour	\$.56/mile	Contingency	11.8%		WSRA Grant Request		\$5,000
					PROJECT COST TOTAL:		\$255,000

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.

Pueblo Channel Debris Removal and Habitat Restoration Project					
Schedule	NTP+30 Days	NTP+60 Days	NTP+90 Days	NTP+150 Days	
Task 1 Coordinate with Agencies					
Task 2 Removal of Debris/Restoration					
Task 3 Project Management					