

**Water Supply Reserve Account – Grant and Loan Program**  
**Water Activity Summary Sheet**  
**March 18-19, 2015**  
**Agenda Item 17(f)**

**Applicant & Fiscal Agent:** Summit County

**Water Activity Name:** Swan River Stream Restoration

**Water Activity Purpose:** Nonconsumptive

**County:** Summit

**Drainage Basin:** Colorado

**Water Source:** Swan River

<b>Amount Requested/Source of Funds:</b>	\$48,750	Arkansas Basin Account
	<u>\$926,250</u>	Statewide Account
	\$975,000	Total grant request

**Matching Funds:** Basin Account Match (\$48,750) = 5% of total grant request;  
Basin Account and Applicant Match (\$1,050,500) = 107.7% of total grant request;  
Basin Account and Applicant Match = 53% of total project costs (\$1,976,750)  
(refer to *Funding Summary/Matching Funds* section)

<b>Staff Recommendation:</b>
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Staff recommends approval of up to \$48,750 from the Colorado Basin Account, and \$926,250 from the Statewide Account to help fund the study titled: Swan River Stream Restoration.
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**Water Activity Summary:** WSRA funds will expended to finance stream and floodplain restoration, wetlands creation, and revegetation in a heavily impacted 3,500 linear foot reach of the Swan River along Tiger Road in the Swan River Drainage approximately 11 miles northeast of Breckenridge on land jointly owned by Summit County (County) and the Town of Breckenridge (Town). This project represents Phase 1 the Swan River Stream Restoration Project. An additional 8,700 linear feet of upstream restoration may occur in subsequent phases on privately owned land under easements managed by the United States Forest Service (USFS). The goal of this phase will be to restore approximately 3,500 feet of steam, and restore or preserve approximately 10.4 acres of habitat.

More specifically, WSRA funding would be used for: 1) final design and engineering oversight necessary to complete design/build stream restoration based upon the *Swan River Restoration Preliminary Design Plan Report (2013)*, funded in part by a previous WSRA grant and submitted in full to the CWCB in 2013; 2) securing materials for restoration work such as soil, soil amendments, rock, and native plants; 3) excavation and earthmoving; 4) in-stream habitat improvements; 5) planting native vegetation; and 6) wetlands creation.

The project area comprises a highly disturbed aquatic environment heavily impacted by historic mining activities that dredged the valley bottom, obliterating the channel of the Swan River. The active channel was pushed to the north against Tiger Road in a straight ditch where surface flows

disappear from mid-summer through the winter. The river corridor contains minimal riparian habitat and is virtually devoid of native vegetation, ecosystem functions, fisheries, or wildlife habitat values. Approximately 85-90% of the project area is barren cobble with minimal ecological, aesthetic or recreational appeal.

Project partners include: Blue River Watershed Group (BRWG), Town of Breckenridge, U.S. Forest Service (USFS), US Fish and Wildlife Service, Colorado Parks and Wildlife (CPW), Everist Materials, Trout Unlimited, Colorado Water Conservation Board, Friends of Dillon Ranger District, and others.

**Discussion:** The CWCB awarded the Blue River Watershed Group a grant in the amount of \$30,000 from the Colorado Basin Account for the study titled: *Swan River Restoration Preliminary Design Plan Report* in 2012. Staff finds that the current proposal is a worthy follow up to the previous efforts.

**Issues/Additional Needs:** Applicant to work with CWCB Staff to ensure that geomorphic monitoring conforms to CWCB Standard Operating Procedure for Topographic Survey of Stream Channels ([http://cwcb.state.co.us/environment/watershed-protection-restoration/Documents/Survey\\_SOP\\_CWCB.pdf](http://cwcb.state.co.us/environment/watershed-protection-restoration/Documents/Survey_SOP_CWCB.pdf)).

All proposed river channel work shall conform to the CWCB Rules and Regulations for Regulatory Floodplains in Colorado.

Due to the funding commitment of CWCB (if approved) and the scale of the project, staff requests that the applicant invite CWCB staff be included as member of the project team and invited to regular meetings.

**Threshold and Evaluation Criteria:**

The application meets all four Threshold Criteria

**Tier 1-3 Evaluation Criteria:**

This project has undergone review and evaluation per the Supplemental Scoring Matrix. Further analysis of the project, and how the project will meet Tiered Evaluation Criteria, is provided by the applicant in the WSRA Application.

**Funding Summary/Matching Funds:**

	<u>Cash</u>	<u>In-kind</u>	<u>Total</u>
WSRA Colorado Basin Account	\$48,750	n/a	\$48,750
WSRA Statewide Account	\$926,250	n/a	\$926,250
Town of Breckenridge	\$30,000	\$0	\$30,000
USFS	\$60,000	\$0	\$60,000
USFWS	\$150,000	\$0	\$150,000
CPW	\$130,000	\$0	\$130,000
National Forest Foundation	\$100,000	\$0	\$100,000
Summit County	\$500,000	\$11,000	\$511,000
Blue River Watershed Group	\$0	\$5,250	\$5,250
Friends of Dillon Ranger District	\$0	\$10,500	\$10,500
Trout Unlimited	<u>\$0</u>	<u>\$5,000</u>	<u>\$5,000</u>
<b>Total</b>	<b>\$1,945,000</b>	<b>\$31,750</b>	<b>\$1,976,750</b>

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.