

Water Supply Reserve Account – Grant and Loan Program
Water Activity Summary Sheet
March 16-17, 2016
Agenda Item 14(t)

Co-Applicants: Valley Floor Preservation Partners & Town of Telluride

Fiscal Agent: Valley Floor Preservation Partners

Water Activity Name: Valley Floor River Restoration Reach One

Water Activity Purpose: Nonconsumptive

County: San Miguel

Drainage Basin: Southwest

Water Source: San Miguel River

Amount Requested/Source of Funds: \$45,000 Southwest Account
\$399,021 Statewide Account
\$444,021 Total Grant Request

Matching Funds: Basin Account Match (\$45,000) = 10% of total grant request (meets 5% min);
Applicant/3rd Party Match (\$1,291,782) = 291% of total grant request (meets 5% min);
Basin Account & Applicant Match (\$1,336,782) = 301% of total grant request
(refer to *Funding Summary/Matching Funds* section)

Staff Recommendation:

Staff recommends approval of up to \$45,000 from the Southwest Account; and \$399,021 from the Statewide Account to help fund the project titled: Valley Floor River Restoration Reach One.

Water Activity Summary: The San Miguel River within the project area is a manmade linear channel with severely degraded habitat according to the U.S. Fish & Wildlife Service's Habitat Suitability Index. The intent of project is to create a naturally functioning river system and mitigate past impacts to the San Miguel River within and below the linear reach. Improvements will be made to hydrology, channel morphology and water quality. The main components of the \$1.7M project are the creation of a new 4,250 foot meandering river channel, connection of the new channel to its historic floodplain, restoration and re-vegetation of the current linear channel, removal and remediation of mine tailings, and construction of two sewer line crossings. Objectives include construction of a multi-stage channel to improve channel/floodplain connectivity, stream geomorphology, ecosystem function, and habitat conditions. The project will also protect existing infrastructure and reclaim the existing linear channel.

Discussion: This project is an Identified Project and Process (IPP) in Section 4.7 (Environmental Projects and Processes) of the Southwest BIP. It also aligns with Chapters 6.6 (Environmental and Recreational Projects and Methods) and 7.1 (Watershed Health and Management) of Colorado's Water Plan. The project has the potential to improve ecological and flood resilience in the San

Miguel River corridor. It also has the potential to increase base flows in the river basin by attenuating flood flows in the floodplain.

Issues/Additional Needs:

- The applicant should provide staff with a detailed monitoring plan that describes geomorphic and vegetative monitoring methodologies.
- The monitoring plan should conform to the CWCB Measurable Results Program's Standard Operating Procedures for Topographic Survey of Stream Channels.
http://cwcb.state.co.us/environment/watershed-protection-restoration/Documents/Survey_SOP_CWCB.pdf
- All proposed river channel work should conform to the CWCB Rules and Regulations for Regulatory Floodplains in Colorado.
http://cwcb.state.co.us/Documents/FloodplainRulesRegsUpdate/CWCB_Adptd_FP_Rules_BasisPurp_%2011172010.pdf

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

Tier 1-3 Evaluation Criteria:

This project has undergone review and evaluation and staff has determined that this request satisfies the Evaluation Criteria. 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>Funding Sources</u>	<u>Cash</u>	<u>In-kind</u>	<u>Total</u>
Town of Telluride	\$1,041,782	\$0	\$1,041,782
San Miguel Watershed Coalition (pledged)	\$140,000	\$0	\$140,000
Valley Floor Preservation Partners (pledged)	\$100,000	\$0	\$100,000
Trout Unlimited (pledged)	\$10,000	\$0	\$10,000
Subtotal matching funds	\$1,291,782	\$0	\$1,291,782
WSRA Metro Account	\$45,000	n/a	\$45,000
WSRA Statewide Account	\$399,021	n/a	\$399,021
Total Project Costs	\$1,735,803	\$0	\$1,735,803

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.