

**Water Supply Reserve Account – Grant and Loan Program
Water Activity Summary Sheet
Consent Agenda Item 6.c**

Applicant: Gunnison Gorge Anglers – Chapter of Trout Unlimited

Water Activity Name: Relief Ditch Diversion Dam Design

Water Activity Purpose: Study or Analysis of a Structural Water Project

County: Delta

Drainage Basin: Gunnison

Water Source: Gunnison

Amount Requested: \$20,650

Source of Funds: Gunnison Basin Account

Matching Funds: \$5,000 Gunnison Gorge Anglers, \$1,000 Grand Valley Anglers, \$2,000 Colorado Trout Unlimited, \$1,500 BLM, \$2,000 in-kind administration

Staff Recommendation
Staff recommends approval of up to \$20,650 from the Gunnison Basin Account to help complete the Relief Ditch Diversion Dam Design.

Water Activity Summary:

This project will design of a sustainable diversion structure for the Relief Ditch and remove existing hazardous instream infrastructure as well as minimizing bank erosion. It will eliminate the need for annual bulldozing of the channel bed which will reduce costs for the Relief Ditch Company while allowing for fish passage and safe boater passage. It will rehabilitate and stabilize eroded areas and restore riparian habitat by decreasing downstream sedimentation.

The design will be approved by the Relief Ditch board of directors and reviewed by the independent engineering firm of Flywater, Inc. This grant request is for \$5,000 to match the \$11,000 already committed for developing design alternatives and \$15,650 to provide support services using HEC-RAS modeling, conduct a review of the design by an independent engineering firm resulting in PE certification.

Threshold and Evaluation Criteria

The application meets all four Threshold Criteria.

Discussion:

The water activity will design a permanent, sustainable diversion structure that will provide the full decreed amount of water to the Relief ditch, while removing the need to use heavy equipment in the stream channel. The design of the new structure will be more efficient and cost effective for the irrigators and retard stream bank erosion while allowing for revegetation of the riparian area. It will also allow safe boater passage and easier fish migration which will increase the recreational usage of the area. As such, the project meets import consumptive and nonconsumptive needs in the Gunnison Basin. In addition, the project seeks to maintain the use of an important pre-Colorado River Compact water right.

Issues/Additional Needs:

No issues or additional needs remain.

Staff Recommendation:

Staff recommends approval of up to \$20,650 from the Gunnison Basin Account to help complete the Relief Ditch Diversion Dam Design.

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.