

**Water Supply Reserve Account – Grant and Loan Program
Water Activity Summary Sheet
Agenda Item 13.b**

Applicant: Grace and Shehi Ditch Owner, Mr. William Grange

Water Activity Name: Grace and Shehi Diversion Rehabilitation Project (Phase I & II – Alternatives Evaluation & Detailed Design)

Water Activity Purpose: Agricultural

County: Pitkin

River Basin: Colorado River Basin

Water Source: Roaring Fork River

Amount Requested: \$40,500 (Colorado Basin Account)

Matching Funds: \$16,277

Staff Recommendation
Staff recommends approval of \$40,500 from the Colorado Basin Account to 1) determine which alternative best meets the identified goals of the application and 2) conduct project design.

Water Activity Summary:

As stated by the Colorado Basin Roundtable's grant review committee, the project, once implemented, could improve 20 linear feet of the Roaring Fork River; improve 5 linear feet of pipe/canal; improve recreational boat passage; eliminate debris build up with improved diversion; improve fish passage with improved diversion; and improve measurement of volume of water delivered to the ditch.

According to the applicant, the selected alternative will be ranked based on the ability to meet the following project goals:

- Reliable delivery of Grace and Shehi Ditch's allocated water
- Maximize the operational convenience and flexibility
- Be cost-effective
- Be technically appropriate
- Maintain or enhance the existing natural view-shed of the river at the point of diversion
- Minimize debris buildup within the Roaring Fork River channel in the vicinity of the diversion
- Provide recreation boat passage in the vicinity of the diversion
- Minimize sediment erosion within the main channel as well as near the diversion
- Facilitate fish passage in the vicinity of the structure

The improved grade control structure and head gate would assist in the delivery of water to eight water owners, including agricultural ranches, a golf course (Roaring Fork Club), Basalt Water Conservancy District, Town of Basalt, and a school district (RE-1). The decreed amount is 20.74 cfs.

Threshold and Evaluation Criteria

The application meets all four Threshold Criteria.

Funding Overview

The applicant is providing matching funds equivalent to 40% of the grant request.

Discussion:

The initial application requested \$54,000 from basin funds and \$2,777 in match. After discussion at the roundtable, the total grant request was reduced and match increased. The application includes a support letter from Pitkin County's Health Rivers and Stream Program.

Issues/Additional Needs:

Staff requests that prior to commencing work on Phase II (design), that the results of Phase I (alternatives analysis) are reviewed by staff or presented to the Colorado Basin Roundtable.

Staff Recommendation:

Staff recommends approval of \$40,500 from the Colorado Basin Account to 1) determine which alternative best meets the identified goals of the application and 2) conduct project 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 WSR Criteria and Guidelines, staff would like to highlight additional reporting and final deliverable requirements. The specific requirements are provided below.

Reporting and Final Deliverable: 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. 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.

Location Map: