

Water Supply Reserve Account – Grant and Loan Program
Water Activity Summary Sheet
May 20-21, 2015
Agenda Item 10(b)

Applicant & Fiscal Agent: Basalt Water Conservancy District

Water Activity Name: Roaring Fork Watershed – Missouri Heights Groundwater Monitoring Program, Phase IIA

Water Activity Purpose: Groundwater Study

County: Garfield

River Basin: Colorado

Water Source: Roaring Fork

Amount Requested/Source of Funds: \$25,000 Colorado Basin Account
\$25,000 Total grant request

Matching Funds: Basin Account Match (\$25,000) = 100% of total grant request
Applicant Match (\$31,521) = 55.7% of total project costs (\$56,521)
(refer to *Funding Summary/Matching Funds* section)

Staff Recommendation:
Staff recommends approval of up to \$25,000 from the Colorado Basin Account to help fund the project titled: Roaring Fork Watershed – Missouri Heights Groundwater Monitoring Program, Phase IIA

Water Activity Summary: The Basalt Water Conservancy District supplies augmentation water for a number of contracts located in Missouri Heights. The expansion of development in this area has led to increased groundwater withdrawals and new demand for these contracts from the District. These wells deplete the Missouri Heights aquifer, but augmentation releases do not provide direct, physical recharge to the aquifer.

To monitor these effects of well withdrawals on this aquifer, the District has implemented Phases I and II of the Missouri Heights Groundwater Monitoring Program.

- Phase I monitored water levels at three wells and four springs in the vicinity of Missouri Heights.
- Phase II monitored real time groundwater levels at six wells.

The proposed phase (IIA) will continue to monitor the six wells from Phase II, plus an additional well. This new phase will provide a better understanding of the influences of development on the aquifer by verifying the trends and conclusions established in Phase II. Phase IIA will also seek to estimate the amount of recharge the aquifer receives.

Discussion: The groundwater levels at Missouri Heights were included as an identified need in the Colorado Basin Implementation Plan. Additionally, the District believes that the project will assist DWR in administering and protecting vested water rights on or influenced by Missouri Heights development, including CWCB instream flow rights on the Roaring Fork River.

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

Threshold and Evaluation Criteria:

The application meets all four Threshold Criteria

Tier 1-3 Evaluation Criteria: n/a

Funding Summary/Matching Funds:

	<u>Cash</u>	<u>In-kind</u>	<u>Total</u>
WSRA Colorado Basin Account	\$25,000	n/a	\$25,000
Basalt Water Conservancy District	<u>\$31,521</u>	<u>n/a</u>	<u>\$31,521</u>
Total	\$56,521		\$56,521

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.