

**GRANBY DITCH AND RESERVOIR COMPANY  
#12 DAM REHABILITATION PROJECT**



**Project Description**

The Granby Ditch and Reservoir Company, incorporated in 1894, owns and operates the Granby Ditch and six reservoirs in Delta County. The Company provides storage and delivery of irrigation water to approximately 2,400 acres via the Granby ditch. One of the six reservoirs owned by the Company is Granby Reservoir #12. The reservoir dam was originally constructed in 1910 with a storage capacity of 814 AF, and was enlarged to 838 AF in 1949. A five-foot restriction was placed on the dam in 1976 due to a slump on the downstream face of the dam. In order to lift the restriction, and prevent losing its additional storage rights, a decision was made to repair the dam. This project was responsible for the rehabilitation of the dam and installation of a toe drain collection system to address future seepage concerns.

**Project Data**

**Sponsor:** Granby Ditch and Reservoir Company

**County:** Delta

**Water Source:** Dirty George Creek

**Terms of Loan:** \$254,520 over 30 years @ 2.35%

**Substantial Completion Date:** 3-1-2010

**Design Engineer:** Buckhorn Geotech, Montrose, CO

**Construction Contractor:** Stonefly Earthworks, LLC. – Montrose, CO

**Construction Elements:** \* Import of Fill Materials (700 tons of imported fill, 1,000 cu. yards of onsite fill, 104 tons of sand) \*construction of Dam to drain \*Construction of a concrete buttress

**Average Annual Storage:** restore 250 acre-feet, totaling 838 acre-feet