



# **COLORADO WATER CONSERVATION BOARD**

## **DIRECTOR'S REPORT**

**JULY 2013**

# STATE OF COLORADO

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## Colorado Water Conservation Board

### Department of Natural Resources

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TO: Colorado Water Conservation Board

FROM: James Eklund  
Brent Newman  
CWCB Staff

DATE: July 16-17, 2013

SUBJECT: **Agenda Item 6d**, July 2013 CWCB Board Meeting  
Director's Report

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John W. Hickenlooper  
Governor

Mike King  
DNR Executive Director

James Eklund  
CWCB Director

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## JULY 2013 DIRECTOR'S REPORT - TABLE OF CONTENTS

### Pg. 3 - INTERSTATE AND FEDERAL

- Western States Water Council / CDWR Workshop on Quantifying Drought Impacts
- Colorado River Basin Study Next Steps
- John McCloy Named Commissioner for the Upper Colorado River Commission (UCRC)
- Western States Water Council Holds Summer Meeting
- Glen Canyon Dam Adaptive Management Work Group ("AMWG") and Technical Work Group ("TWG") Meetings

### Pg. 4 – STATEWIDE

- Drought Update
- Ground Water Commission Meeting
- Floodplain Map Modernization / Risk Map Update

### Pg. 5 – COLORADO RIVER BASIN

- Upper Colorado River Wild and Scenic Stakeholder Group
- Colorado River Water Availability Study (CRWAS) Continuation

### Pg. 6 – ARKANSAS RIVER BASIN

- Arkansas Basin Drought Tour

### Pg. 6 – PLATTE RIVER BASIN

- South Platte Decision Support System (SPDSS)
- South Platte Habitat & Recreation Improvements
- Platte River Recovery Program

**Pg. 8 – SAN JUAN/SAN MIGUEL - DOLORES RIVER BASIN**

- Dolores River Dialogue / Lower Dolores Plan Working Group Update
- River Protection Workgroup
- Wild and Scenic Alternatives Funding Requests
- Division 7 Federal Reserved Water Rights Applications

**Pg. 9 – YAMPA/WHITE RIVER BASIN**

- Yampa River Stakeholder Trip

**Pg. 10 – AGENCY UPDATES**

- CWCBC Water Efficiency Grant Fund Program (WEGP) Update
- Water Efficiency & Drought Plans Update
- Governor's Water Availability Task Force
- Water Conservation Technical Advisory Group (WCTAG) Update
- 1051 Reporting Web Portal Update
- IBCC Water Conservation Subcommittee Meeting Update
- Assessing Climate Change Impacts on Natural Resource Systems Training
- Recently Decreed ISF Water Rights
- CWCBC Cloud Seeding Study
- Target Control Evaluations Required
- Floodplain Rules and Regulations Implementation
- Stream and Lake Protection Section De Minimis Cases
- Update on 2012 ISF Temporary Leases
- Colorado Becomes Charter Member of "Silver Jackets" Program
- Instream Flow Program Turns 40!

**Pg. 17 – ATTACHMENTS**

- 01 Finance – Loan Financial Activity Report
- 02 Instream Flow and Natural Lake Level Program – Summary of Resolved Opposition Cases
- 03 Finance – Design and Construction Status Report
- 04 Finance – Current Prequalified Project List and Loan Prospect Summary
- 05 WSRA Open Grant Projects – Board Approved – Not Yet Contracted
- 06 WSRA In Progress Projects
- 07 WSRA Completed Projects

## **~INTERSTATE AND FEDERAL~**

### **WESTERN STATES WATER COUNCIL / CDWR WORKSHOP ON QUANTIFYING**

**DROUGHT IMPACTS:** The Western States Water Council and the California Department of Water Resources are cosponsoring a workshop on quantifying drought impacts, to be held in San Diego on August 5-7, 2013. Better measurement and reporting of observed drought impacts help identify lessons learned from droughts, and help define resources needed to mitigate future drought impacts. Data quantifying impacts of drought, if available, are often not readily accessible in a manner useful for water agencies. The purpose of this workshop is to develop a strategy for building a centralized information source, by bringing together state, local, and federal agencies to discuss ways to improve quantifying impacts and making information available. Widespread drought across much of the West illustrates the opportunities and challenges associated with improving measurement of drought impacts on a regional and coordinated basis. Colorado has struggled with this issue over the last decade and Taryn Finnessey plans to attend the meeting to see how Colorado can work collaboratively with other western states to improve the quantification of drought impacts and ultimately reduce vulnerability. (*Taryn Finnessey*)

**COLORADO RIVER BASIN STUDY NEXT STEPS:** The United States Bureau of Reclamation (BOR) and the Colorado River Basin States (Basin States) kicked off the Colorado River Basin Study Next Steps process on May 28-29, 2013 in San Diego, California. The Basin States and the BOR will oversee three work groups that will focus on three different subject areas—municipal conservation and reuse; agricultural conservation and transfers; and, environmental and recreational flows. The Board will receive a more detailed briefing about this process and the work that the BOR and the Basin States hope to accomplish through this process. (*Ted Kowalski*)

### **JOHN MCCLOW NAMED COMMISSIONER FOR THE UPPER COLORADO RIVER**

**COMMISSION (UCRC):** On June 18, 2013, Governor Hickenlooper named John McClow as Colorado's representative to the Upper Colorado River Commission, and as Colorado's representative to the seven Colorado River basin states negotiations. James Eklund, John Stulp, and Mike King were named as alternates to the UCRC. The UCRC held its annual summer meetings in Santa Fe, New Mexico on June 19-20, 2013. Among the regular reports and business, the UCRC honored Jennifer Gimbel with a resolution in thanks and appreciation for her service on behalf of Colorado, which is attached to this Director's report. The CWCB staff looks forward to working with John McClow in his new role. (*Ted Kowalski*)

**WESTERN STATES WATER COUNCIL HOLDS SUMMER MEETING:** The Western States Water Council ("WSWC") held its annual summer meeting on June 24-26, 2013 in Casper, WY. John Stulp and Dick Wolfe represented Colorado at these meetings. More information about the WSWC, and the upcoming meetings, can be found at:

<http://www.westernstateswater.org/171st-spring-council-meeting-april-3-5-2013-denver-colorado/> (*Ted Kowalski*)

### **GLEN CANYON DAM ADAPTIVE MANAGEMENT WORK GROUP ("AMWG") AND TECHNICAL WORK GROUP ("TWG") MEETINGS:**

The Glen Canyon TWG summer meeting was held by webinar on June 28, 2013. The primary agenda items included: budget issues, the Long Term Experimental and Management Plan ("LTEMP") process, and revisions to



the TWG operating guidelines. The Bureau of Reclamation and the National Park Service are still intending to hold a workshop in early August, 2013 in order to collect information about the various alternatives, and they are intending to release a draft EIS by the end of 2013 or in early 2014. Information is available at: [http://www.usbr.gov/uc/rm/amp/amwg/amwg\\_mtginfo.html](http://www.usbr.gov/uc/rm/amp/amwg/amwg_mtginfo.html) or <http://itempeis.anl.gov/index.cfm> (Ted Kowalski)

## ~STATEWIDE~

**DROUGHT UPDATE:** Drought continues to persist throughout Colorado with part of the state experiencing rapid dry out as June temperatures have increased. 100% of the state remains in some level of drought classification ranging from D1 (moderate drought) to D4 (exceptional drought). As a result of persistent dry conditions the drought plan remains activated as do the Agricultural Impact Task Force and the Municipal Water Task Force. The Drought Task Force, chaired by the directors of DNR, DOLA, and CDA will participate in a Drought Tour in the Arkansas River Basin in Early August (see below). (Taryn Finnessey)

**GROUND WATER COMMISSION MEETING:** The Ground Water Commission (GWC) held its quarterly meeting on May 17, 2013, in Castle Rock, CO. The agenda items included routine reports and a hearing on a request for a variance to Rules 7.3.1, 7.3.2, and 7.3.4 to allow for the relocation of a well by Mary Ellen Hardwick. The variance was not granted by the Commission. A second variance hearing was scheduled, but was postponed to a future date. The Ground Water Commission will hold its next regular meeting on August 16, 2013 in Pueblo, CO. For more information visit: <http://water.state.co.us/groundwater/CGWC/Pages/default.aspx>. (Suzanne Sellers)

## **FLOODPLAIN MAP MODERNIZATION/RISK MAP UPDATE:**

**FY13 Activities:** Scoping meetings took place in the Upper Gunnison and Upper White Watersheds (Hinsdale and Rio Blanco counties) to discuss floodplain mapping and topography needs. Future FEMA funding may be available for data development starting in October 2014. However, FEMA funding is available for the Lidar acquisition, which will take place sometime late summer/early fall of 2013.

**FY12 Activities:** Hydrologic modeling and field survey tasks have been submitted for review on the Cache La Poudre and Purgatoire watersheds. Lidar data for the Cache La Poudre and Purgatoire watersheds have been provided by the subcontractor and has been submitted to FEMA for review.

**FY11 Activities:** Hydrology tasks are underway for St. Vrain and Clear Creek Watersheds.

**FY10 Activities:** Work is underway for Chaffee, Logan and Pitkin Counties. Preliminary mapping for Pitkin County is complete. CWCB and FEMA have discussed the revised mapping for the Redstone levee area and the County is still making a decision about moving forward with the mapping. The revised mapping includes changes to the floodway and this impacts several structures. The floodplain mapping tasks have been completed and are in review for Logan County. A conference call will be scheduled with the communities to show them a few Risk Map products in early July 2013. Hydraulic tasks are currently in review and floodplain mapping tasks are underway for Chaffee County.

**FY09 Activities:** The South Platte approximate floodplain delineation has been completed and approved by FEMA for Morgan County. The Morgan County DFIRM schedule has been delayed due to the levee in the Town of Wiggins. CWCB and FEMA met with the Town of Wiggins to discuss possible alternatives. The Town is making some progress towards levee certification but no final decisions have been made yet.

The Prowers County DFIRM floodplain mapping tasks have been completed. Preliminary floodplain mapping is complete but not yet approved. A new scope of work has been approved to complete this project as a Seclusion DFIRM. This will exclude updating levees that will not be certified. The FEMA grant for this project has been extended to 2015.

**FY08 Activities:** Montrose County DFIRMs became effective on January 6, 2012. The Elbert County and Rio Grande County DFIRMs are now effective. Gunnison County DFIRMs became effective on May 16, 2013.

The Pueblo County DFIRM scope of work has been altered to a Seclusion DFIRM. The FEMA grant has been extended to September 2013 to complete the project to the preliminary phase. A new Mapping Activity Statement will be submitted to FEMA to complete this project to effective starting in October 2013. The Fountain Creek hydrology has been approved and most of the hydraulic analyses and floodplain mapping has been completed in the County. The Pueblo County Arkansas River Levee floodplain study is in progress, finalization is still progressing.

**FY07 Activities:** Summit County DFIRMs became effective November 2011. La Plata County received their effective maps in August 2010. Park County has gone effective in December 2009. Delta County maps became effective in July 2010. Teller County and Archuleta County have gone effective since September 2009. El Paso County DFIRM scope of work has been altered to complete this project as a Partial Countywide DFIRM. The Templeton Gap levee will not be included in the update. The FEMA grant was extended to September 2013 to complete this project to the preliminary phase. A new Mapping Activity Statement will be submitted to FEMA to complete this project to effective starting in October 2013.

**FY 06 Activities:** Weld County Preliminary DFIRMs were sent to the communities for review at the end of May 2013. A final meeting is tentatively scheduled for the end of July 2013. Fremont County DFIRMs became effective on January 6, 2012. Clear Creek County has gone effective July 17, 2012.

**FY 05 Activities:** Mesa County DFIRM became effective in June 2010. The Garfield County DFIRMs are now in the post preliminary phase. The Montezuma County DFIRM went effective September 28<sup>th</sup> 2008.

**FY 04/03 Activities:** Boulder County maps became effective on December 18, 2012.

*(Thuy Patton)*

## **~COLORADO RIVER BASIN~**

**UPPER COLORADO RIVER WILD AND SCENIC STAKEHOLDER GROUP:** The Upper Colorado River Wild and Scenic Stakeholder Group held its regular meeting on May 8, 2013 in Summit County and its next regular meeting is scheduled for July 23, 2013 at the same

location. The Stakeholder Group is working on monitoring efforts including gathering data collected by others (i.e. Colorado Parks and Wildlife fish biomass surveys, Bureau of Reclamation's recreational permit data, etc.) as well as collecting their own data (i.e. creel surveys and recreation surveys). This year's recreation observations and intercept surveys began on April 25<sup>th</sup> at the Radium, State Bridge and Grizzly sites and will include 9 survey dates through the season. The Stakeholder Group is working on drafting a policies and procedures document, narrative definitions for a suite of flows regimes, a Memorandum of Understanding (MOU) for the provisional period and its 2012 Annual Report. The group is contemplating creating a Cooperative Measures working group for development of methods for evaluating proposed cooperative measures. Lastly, the stakeholder Group held a field trip near Dotsero on May 30 & 31.

The Bureau of Land Management (BLM) Kremmling Field Office Final Resource Management Plan (RMP)/Environmental Impact Statement (EIS) is now anticipated to be released in October with the Record of Decision (ROD) expected out in April 2014. The Colorado River Valley Field Office Final RMP/EIS is anticipated to be released in September with the ROD out in March 2014. The final Wild and Scenic Rivers Suitability Report (which will cover both field offices) will come out concurrently with the first RMP/EIS that is published.

For more information, see the following link: <http://www.upcowildandscenic.com/>.  
(Suzanne Sellers)

#### **COLORADO RIVER WATER AVAILABILITY STUDY (CRWAS) CONTINUATION:**

Since the May 2013 CWCB Board meeting, the CWCB staff has been working with the Department of Natural Resources (DNR) procurement office on moving forward with contracting out the work associated with extending the CRWAS Phase 1 surface water modeling data sets and updating the alternative hydrologies developed under CRWAS Phase 1, using the Coupled Model Intercomparison Project Phase 5 (CMIP5) climate modeling results. It is anticipated that work will start in August, 2013. (Ray Alvarado)

#### **~ARKANSAS RIVER BASIN~**

**ARKANSAS BASIN DROUGHT TOUR:** The Drought Task Force will take part in a Drought Impacts Tour in the Arkansas River Basin in Early August (likely Monday, 8-12-13). The purpose of the tour is to assess firsthand the impacts of the prolonged and exceptional drought in this region. DTF members will meet with area producers and researchers to hear how they are coping, adapting and dealing with the conditions and what the DTF might do to provide more assistance. The DTF is comprised of representatives from many states agencies as well as federal partners (UDSA- FSA, NRCS; EPA). Staffs from Colorado's national congressional delegation as well as state senators and representatives have also been invited. It is unclear yet if the Governor will be able to attend, although he has expressed interest. (Taryn Finnessey)

#### **~PLATTE RIVER BASIN~**

**SOUTH PLATTE DECISION SUPPORT SYSTEM (SPDSS):** DWR is continuing to monitor observation wells in the Sterling area and has a website where updated information can be obtained on the monitoring efforts. As part CWCN's Project's Bill (SB12S-002), DWR is

looking into the high groundwater issue around the Gilcrest/LaSalle area. DWR held a public meeting in Sterling on June 27, 2013 to update the public on the ongoing work.

The CWCB, as part of the Project Bill authorization, will be contracting out the data extension of the alluvial groundwater model to include the years 2006-2011. The scope has been drafted and the request for proposal (RFP) will be advertised to vendors. It is anticipated that once the vendor is selected, the work will start in early September, 2013.

The CWCB advertised a request for proposal (RFP) for surface water modeling within the South Platte basin. Several RFP's were submitted and selections were made. Brown and Caldwell won the St. Vrain River basin, AMEC won the Boulder Creek basin, Riverside won the Big Thompson River basin, ParsonWater won the Denver Metro area and Wilson Water Group won the modeling integrator contract. Contracts are in the signature process and it is anticipated that work will begin by mid-July, 2013. (*Ray Alvarado*)

**SOUTH PLATTE HABITAT & RECREATION IMPROVEMENTS:** Several active stakeholder groups are diligently funding, designing and implementing restoration projects on the South Platte River below Chatfield Reservoir. The stakeholders are interested in creating a functioning water trail for aquatic habitat and recreation based on Chatfield's flow release history. Staff members Joe Busto and Kevin Houck represent the CWCB on a working group which raised \$25 million and completed 20 projects in previous phases. Members of this working group may attend the September CWCB board meeting to explain their vision and goals in more detail.

The first two miles of the South Platte River below Chatfield are natural floodplain park, and the next four miles are owned by the CWCB. The vision of the river stakeholders is to maintain flood control while creating a multi-purpose project that improves habitat and recreational opportunities. Recently, one half mile of river in South Platte Park, i.e. the floodplain park, was restored. A previously braided channel was concentrated into a single thread meandering channel to make better use of the flows released from Chatfield. This concept concentrates low flows for fish, recreation, and sediment transport while maintaining the historic flood conveyance capacity. A series of pools, riffles, and glides were created in the low flow channel. The new channel should better accommodate trout stocked annually by CPW. Staff and the Urban Drainage and Flood Control District are pursuing permits from the Corps to continue restoration work into the CWCB owned reach of the river. This reach is inspected annually by the Corps to ensure accommodation of maximum flow releases from Chatfield. (*Chris Sturm & Joe Busto*)

**PLATTE RIVER RECOVERY PROGRAM** - The Platte River Recovery Implementation Program ("Program") Governance Committee met on June 11-12, 2013 in Cheyenne, WY, and held a meeting by teleconference on June 26<sup>th</sup>, 2013. Agenda items at the Cheyenne meeting included discussion of the results of the 2012-2013 Phelps Groundwater Recharge Project and a discussion on the next steps for revising Target flows. The GC voted to approve a Grassland Vegetation Monitoring Protocol, a revised Whooping Crane Tracking Project Partnership Agreement, a revised Indexing (inflation adjustment) Methodology and various land acquisition/land disposal related transactions. The GC declined to approve a modification to an existing hay-harvesting contract on Tract 20122005. At the June 26<sup>th</sup> GC teleconference, the GC unanimously voted to authorize the Nebraska Community Foundation to enter into an agreement

with the Central Nebraska Public Power and Irrigation District regarding a water service agreement associated with the J-2 reregulating reservoir. This step is a major step towards satisfying the water commitments provided for in the Platte River Recovery Implementation Program Agreement. Suzanne Sellers also participated in Land Advisory Committee, Technical Advisory Committee, Finance Committee and Water Advisory Committee conference calls, meetings and workshops. The next Governance Committee meeting will be held on September 10-11, 2013 in Kearney, NE.

For more information, please visit: <http://www.platteriverprogram.org/Pages/default.aspx>.  
(Suzanne Sellers & Ted Kowalski)

## **~SAN JUAN/SAN MIGUEL-DOLORES RIVER BASIN~**

### **DOLORES RIVER DIALOGUE / LOWER DOLORES PLAN WORKING GROUP**

**UPDATE:** A full Dolores River Dialogue meeting was held in Cortez, CO on July 2, 2013. Topics discussed at the meeting included revisions to the A Way Forward Implementation, Monitoring and Evaluation Plan; the Dolores River Nonpoint Source Pollution Watershed Plan; an update on the Lower Dolores Plan Working Group Legislative Subcommittee's work on the National Conservation Area legislation; and drought forecasting. Additional information on the Dolores River Dialogue and the Lower Dolores Plan Working Group can be found at <http://ocs.fortlewis.edu/drd/meetings.asp>. (Linda Bassi)

**RIVER PROTECTION WORKGROUP:** The River Protection Workgroup (RPW) Steering Committee held a regular meeting on June 6, 2013. The RPW Steering Committee's next meeting has not yet been scheduled. The Steering Committee is planning the "Regional Discussion" which will begin sometime this summer after all five public workgroups (Hermosa Creek; San Juan River - East and West Forks; Upper Animas River; Vallecito Creek/Pine River; and the Piedra River) are completed. In June, the Steering Committee submitted a proposal to Tim Feehan to request CWCW Wild and Scenic Rivers Funds for the Regional Discussion process.

The proposed "Hermosa Watershed Protection Act", a product of the Hermosa Creek RPW, was originally introduced to Congress by Senator Bennet in 2012. Senator Bennet and Congressman Tipton reintroduced the act as companion bills on April 25, 2013. The bill reflects a balance between conservation, economic development and other uses. The bill is said to be gaining support and momentum.

The RPW for the Animas River held its last meeting on April 29, 2013 in Silverton, CO to review the draft summary report for the group. The group endorsed the report with some edits and the final report was completed in June.

The RPW for the Piedra River held a meeting on June 11, 2013 in Pagosa Springs, CO and its next meeting is scheduled for July 22, 2013 at the same location. Since the last meeting, a drafting committee met several times to discuss details related to the expansion of the Piedra Area and the limitations on new major impoundments. The drafting committee is now considering a Special Management Area (SMA), which might be better for preserving and furthering current uses than an expansion of the Piedra Area. It is thought that an SMA would provide more flexibility, because SMA legislation can be crafted to suit the individual area. The

stakeholder group came to consensus that the drafting committee should continue their work as described. A draft report was presented to the group for consideration.

A new Forest Plan by the Forest Service (FS) is expected to be released this summer, most likely before the stakeholder process is complete. A representative from the Forest Service indicated that they are monitoring workgroup discussions and the issues and concerns being raised will be considered/addressed in the final forest plan. The forest supervisor indicated that the FS is willing to consider recommendations of the working group even if they are finalized after the Record of Decision is issued. In that case, an amendment to the new forest plan could be negotiated and drawn up to address recommendations of the groups.

For more information, see the following link: <http://ocs.fortlewis.edu/riverprotection>. (*Suzanne Sellers*)

**WILD AND SCENIC ALTERNATIVES FUNDING REQUESTS:** On July 1, 2013, the CWCB Director, after consultation with Board member April Montgomery, approved two requests for funding from the Wild and Scenic Rivers Fund. The first request was from the Dolores Water Conservancy District on behalf of the Lower Dolores Plan Working Group for \$16,000 to support the work of the Group and its Legislative Subcommittee to complete a draft of proposed legislation to establish a National Conservation Area as an alternative to the Dolores River from McPhee Dam to Bedrock continuing to be deemed suitable by the USFS and BLM for Wild and Scenic designation. The funding will enable the Group to further its collaboration with stakeholders on the draft legislation, which will entail several public meetings and working sessions. The second request is for the River Protection Workgroup to facilitate a regional discussion regarding river protection, water development, and tradeoffs for the following watersheds: Hermosa Creek, Animas River, San Juan River, Piedra River, and Vallecito Creek/Pine River. The funding will be used to pay for a facilitator and/or a mediator, conduct public outreach, develop proposals, and develop a final report or agreements, if appropriate. (*Ted Kowalski*)

**DIVISION 7 FEDERAL RESERVED WATER RIGHTS APPLICATIONS:** CWCB staff and the U.S. Forest Service have been communicating about resuming negotiations on the Division 7 applications of the United States for federal reserved water rights on the San Juan National Forest. The USFS has expressed a willingness to consider pursuing its nonconsumptive claims through the Instream Flow Program. The applications also involve consumptive claims related to livestock, campgrounds and recreational buildings. Staff is in the process of gathering information and talking with the AG's Office and parties who were involved in the negotiations, which ceased in 2013. (*Linda Bassi*)

### **~YAMPA/WHITE RIVER BASIN~**

**YAMPA RIVER STAKEHOLDER TRIP:** CWCB staff members Ted Kowalski and Linda Bassi joined representatives of American Rivers, Friends of the Yampa, the Colorado River Water Conservation District, Conservation Colorado, Wilderness Society, Colorado Water Trust, The Nature Conservancy, and others, including past CWCB members Geoff Blakeslee and Tom Sharp, on a float trip down the Yampa River through Dinosaur National Monument. During the trip, attendees discussed: (1) their work on the Yampa River; (2) past, present and future potential consumptive use scenarios on the River; (3) past, present and future potential

nonconsumptive uses on the River; and (4) ideas for viable short and long term alternatives for protecting the wild nature of the Yampa River while allowing for regional growth. CWCB staff shared information with the group on compact and endangered species issues, and on flow protection options under the Instream Flow Program. (*Ted Kowalski & Linda Bassi*)

## **~AGENCY UPDATES~**

**CWCB WATER EFFICIENCY GRANT FUND PROGRAM (WEGP) UPDATE:** Over the last few years of research/projects along with evaluating this grant program, CWCB staff is identifying trends in water efficiency & drought planning and implementation. It is an on-going discussion as staff considers a guideline update for this grant program.

One grant application was received, considered & reviewed since the May 2013 Director's Report

- **St Charles Mesa Water District** – Water Meter Replacement

One grant has been approved since the last Board meeting:

- **Town of Erie** – Drought Management Plan (\$37,452)

Deliverables to the CWCB are as follows:

- **Green Industries of Colorado** – Drought Fact Sheets & Videos – *submitted 50%, 75% Progress Reports & Final Report (Ben Wade)*

**WATER EFFICIENCY & DROUGHT PLANS UPDATE:** The Office of Water Conservation & Drought Planning (OWCDP) continues to work with the following providers to approve their Water Efficiency and Drought Management Plans:

## **DROUGHT MANAGEMENT PLANS**

### **Plans in review**

- **Pagosa Area Water and Sanitation District** – The District submitted a draft Drought Management Plan in January, CWCB has reviewed the plan and provided feedback to the District and they are working to incorporate CWCB comments. (*Taryn Finnessey & Ben Wade*)

## **WATER EFFICIENCY PLANS:**

### **Approved Plans**

- **Southeastern Colorado Water Conservancy District**
- **Town of Estes Park**

The following plans have been given *conditional approval*. CWCB staff will continue to work with these entities until their respective Water Efficiency Plans achieve approval status.

- **City of Trinidad**
- **Meridian Metro District**



## **Water Efficiency Plans in review**

- **City of Englewood**-Submitted on May 3, 2013 and is under review.
- **City of Louisville** – Resubmission of a preliminary November 2009 version of their Water Efficiency Plan is pending. The City may seek outside help to complete the plan.
- **Town of La Junta** – Final review of the Plan was completed by CWCB staff in April 2011 and additional comments were sent back to the Town in May 2011. Resubmission pending.
- **South Adams County Water & Sanitation District** – CWCB received the Plan on November 3, 2011. CWCB staff reviewed the plan and sent comments to the District on January 30, 2012. Resubmission pending.
- **City of Loveland** – CWCB received this plan on November 28, 2012. This is an initial review by the CWCB to find any problems before it goes out to public comment.  
(Kevin Reidy & Ben Wade)

**GOVERNOR’S WATER AVAILABILITY TASK FORCE:** The next Water Availability Task Force on July 18, 2013 from 9:30-11:30am at the Colorado Parks & Wildlife Headquarters, 6060 Broadway, Denver, CO in the Bighorn Room. Please check the website (<http://cwcb.state.co.us/public-information/flood-water-availability-task-forces/Pages/main.aspx>) for additional information. (Ben Wade)

**WATER CONSERVATION TECHNICAL ADVISORY GROUP (WCTAG) UPDATE:** The WCTAG has been meeting on an every other month schedule due to many water providers pre-occupied with drought response. Since the last director’s report, CWCB staff created and distributed a memo on drought response study parameters for the group to follow when collecting data on drought response. The group will follow up on this later this fall. On June 22, the WCTAG saw presentations on the 1051 Web Portal and on the Southeastern Colorado Water Conservancy District’s new online BMP toolbox. The 1051 presentation was an update on where the project is at with a few computer mockups of what the data collection portal could look like. (Kevin Reidy)

**1051 REPORTING WEB PORTAL UPDATE:** Leonard Rice Engineers has been working on the initial programming and development of the database that will hold all the data with some work on the user interface beginning at present time. The consultant presented the first drafts and mockups to the WCTAG on June 22. (Kevin Reidy)

**IBCC WATER CONSERVATION SUBCOMMITTEE MEETING UPDATE:** The sub-committee has been contributing to the conservation no/low regrets paper as well as developing a standalone water conservation discussion paper. The next sub-committee meeting will be on July 2 where the group will go over comments received from IBCC members on the no/low regrets paper. (Kevin Reidy)

**ASSESSING CLIMATE CHANGE IMPACTS ON NATURAL RESOURCE SYSTEMS TRAINING:** The COMET program at the University Corporation for Atmospheric Research (UCAR) in Boulder, CO is working with the Bureau of Reclamation, the U.S. Army Corps of Engineers (USACE), and other agencies involved in the Climate Change and Water Working Group to develop and implement a comprehensive climate change impacts training program for practitioners and technical specialists involved in water and water related natural resources.

Efforts to date have framed the training around a Professional Development Series (PDS) named Assessing Climate Impacts on Natural Systems, Taryn Finnessey, who participated in this two day training in January, will take part in a July 8th meeting to provide input on how to further produce training resources that are available and useful to the broader water and water related natural resources community of practice. (*Taryn Finnessey*)

**RECENTLY DECREED ISF WATER RIGHTS:** On May 16, 2013, the Division 1 Water Court decreed an instream flow water right to the CWCB on Pole Creek in Case No. 1-12CW266 for 1.25 cfs (5/1-8/15), 0.8 cfs (8/16-10/31) and 0.25 cfs (11/1-4/30), with an appropriation date of March 21, 2012. The upstream terminus is the headwaters and the lower terminus is the confluence with Johnson Creek. This ISF reach is approximately 7.34 miles long and flows in a northeasterly direction through parts of Larimer County. This right is an increase to an existing instream flow right on Pole Creek decreed in Case No. 1-86CW304 in the amount of 0.5 cfs (1/1-12/31) with an appropriation date of 9/5/1986.

On May 21, 2013, the Division 4 Water Court decreed an instream flow water right to the CWCB on the San Miguel River in Case No. 4-11CW129 for 325 cfs (4/15-6/14), 170 cfs (6/15-7/31), 115 cfs (8/1-8/31), 80 cfs (9/1-2/29) and 115 cfs (3/1-4/14), with an appropriation date of January 25, 2011. The upstream terminus is the confluence with Calamity Draw and the lower terminus is the confluence with the Dolores River. This ISF reach is approximately 17.24 miles long and flows in a northwesterly direction through parts of Montrose County. The Board of County Commissioners of Montrose County, Tri-State Generation and Transmission Association Inc., Western Fuels Colorado LLC, Farmers Water Development Company, The Wilderness Society and Western Resource Advocates entered into stipulations with the CWCB agreeing not to oppose entry of this decree.

On May 24, 2013, the Division 3 Water Court decreed an instream flow water right to the CWCB on Brewery Creek in Case No. 3-12CW034 for 2.85 cfs (4/1-7/31), 2.10 cfs (8/1-11/15) and 1.60 cfs (11/16-3/31), with an appropriation date of January 24, 2012. The upstream terminus is the U.S Forest Service/BLM boundary and the lower terminus is the confluence with Kerber Creek. This ISF reach is approximately 1.79 miles long and flows in a southeasterly direction through parts of Saguache County.

On May 24, 2013, the Division 3 Water Court decreed an instream flow water right to the CWCB on Elkhorn Gulch in Case No. 3-12CW035 for 1.05 cfs (4/15-7/31), and 0.55 cfs (8/1-4/14), with an appropriation date of January 24, 2012. The upstream terminus is the U.S Forest Service/BLM boundary and the lower terminus is the confluence with Kerber Creek. This ISF reach is approximately 0.32 miles long and flows in a westerly direction through parts of Saguache County.

On May 24, 2013, the Division 3 Water Court decreed an instream flow water right to the CWCB on Kerber Creek in Case No. 3-12CW036 for 6.75 cfs (4/1-7/31), 4.0 cfs (8/1-11/15) and 2.6 cfs (11/16-3/31), with an appropriation date of January 24, 2012. The upstream terminus is the confluence with Brewery Creek and the lower terminus is the Wells Kerber Ditch headgate. This ISF reach is approximately 13.1 miles long and flows in a southeasterly direction through parts of Saguache County.

On May 24, 2013, the Division 3 Water Court decreed an instream flow water right to the CWCB on Kerber Creek in Case No. 3-12CW037 for 3.5 cfs (4/16-7/15), 1.45 cfs (7/16-10/31), 0.8 cfs (11/1-3/31) and 1.45 cfs (3/2-4/15), with an appropriation date of January 24, 2012. The upstream terminus is the confluence with Elkhorn Gulch and the lower terminus is the confluence with Brewery Creek. This ISF reach is approximately 0.55 miles long and flows in a southwesterly direction through parts of Saguache County.

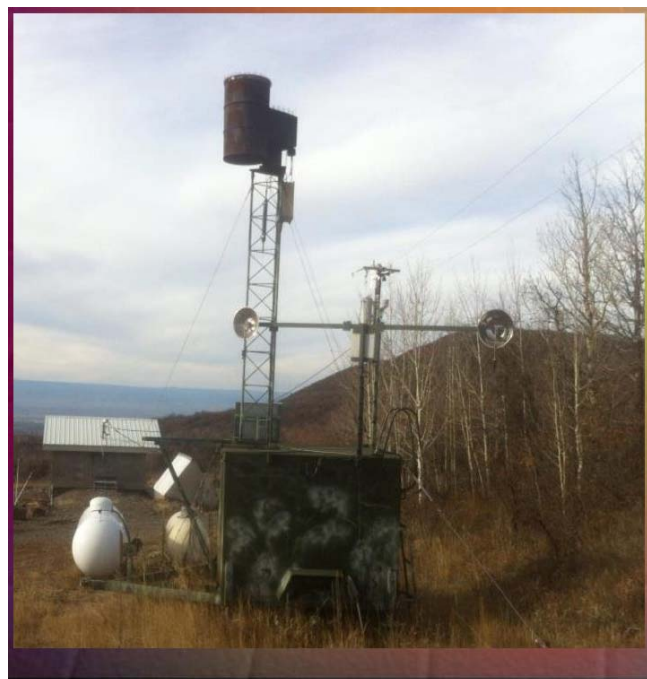
On May 31, 2013, the Division 1 Water Court decreed an instream flow water right to the CWCB on Johnson Creek in Case No. 1-12CW274 for 1.8 cfs (4/1-10/31), with an appropriation date of March 21, 2012. The upstream terminus is the confluence with Pole Creek and the lower terminus is the Colorado-Wyoming Border. This ISF reach is approximately 0.64 miles long and flows in a northerly direction through parts of Larimer County. This right is an increase to an existing instream flow right on Johnson Creek decreed in Case No. 1-78W9367 in the amount of 2.0 cfs (1/1-12/31) with an appropriation date of 7/11/1978.

On May 31, 2013, the Division 1 Water Court decreed an instream flow water right to the CWCB on Johnson Creek in Case No. 1-12CW275 for 3.8 cfs (4/1-10/31), and 1.6 cfs (11/1-3/31), with an appropriation date of March 21, 2012. The upstream terminus is the confluence with Fish Creek and the lower terminus is the confluence with Pole Creek. This ISF reach is approximately 1.33 miles long and flows in a northerly direction through parts of Larimer County.

On May 31, 2013, the Division 1 Water Court decreed an instream flow water right to the CWCB on Johnson Creek in Case No. 1-12CW276 for 2.3 cfs (4/1-10/31), and 1.6 cfs (11/1-3/31), with an appropriation date of March 21, 2012. The upstream terminus is the confluence with an unnamed tributary and the lower terminus is the confluence with Fish Creek. This ISF reach is approximately 1.69 miles long and flows in a northerly direction through parts of Larimer County. (*Linda Bassi*)

#### **CWCB CLOUD SEEDING STUDY:**

HDR Engineering characterized cloud seeding potential by analyzing seven years of snowstorm data at five weather stations. The study focused on when to seed with Silver Iodide or Liquid Propane. It also focused on when seeding was not appropriate because conditions were too cold or too warm. The efficacy of propane seeding is documented by the USBR researchers in an early 2000s randomized experiment, but it is still not widely used. The Automated Weather Observation Stations (AWOS) report every twenty minutes from: Mount Werner, Copper Mountain, Monarch Pass, Wolf Creek Pass, and Sunlight Mountain. As a general trend the months of December, January, and February were the most appropriate for



silver iodide. Propane has more potential in November and March. Staff summarized the Wolf Creek Pass data at a recent workshop in Durango. There were 5,125 snow event observations at Wolf Creek over the seven years. The study determined that air temperature was appropriate for Silver Iodide seeding Using in November 36% of the time, December -79%, January - 77%, February - 69%, and March - 58%. Propane seeding would be appropriate in November - 63% of the time it is snowing, December - 20%, January - 22%, February - 30%, and March - 21%. Air temperature is a valuable metric when determining whether to use Propane or Silver Iodide. This is important to ski areas that seek a good early season snow. CWCB and the Desert Research Institute deployed a dual seed dispersal unit on the Grand Mesa in 2012. staff is unaware of a seed dispersal unit that releases Liquid Propane and Silver Iodide. The unit is pictured above. The cross arm with bowls dispenses propane for warm cloud conditions and the barrel on top dispenses Silver Iodide for cold cloud conditions. Staff believes these units could maximize seeding potential. (*Joe Busto*)

**TARGET CONTROL EVALUATIONS REQUIRED:** The updated 2012 DNR Weather Modification Rules and Regulations require a cloud seeding target control analysis in the annual reports to the State. North American Weather Consultants of Sandy, Utah had expertise in this area and was hired locally to develop this evaluation and for: The Central Mountains, Grand Mesa, and San Juan Mountain cloud seeding programs. Target Control looks for high correlations between a seeded area and a non seeded area using precipitation data. Although not definitive or perfect it is considered credible and affordable. Each year small negative or positive numbers are typical but it is the trend over time that is telling. The general results were no signal or slight negative numbers in the Central Mountains and a 5% increase for the Grand Mesa over the period of record. The San Juan evaluations are not yet completed. Staff expects a similar result of no signal, slight negative or positive values. The first year of this analysis will be appended to permit holder annual reports and is available from staff. The results will be covered in more detail at a future presentation. (*Joe Busto*)

**FLOODPLAIN RULES AND REGULATIONS IMPLEMENTATION:** CWCB staff continues to work with communities to assist in updating local floodplain regulations to be consistent with the Floodplain Rules and Regulations, which became effective on January 14, 2011. At the time of implementation, local communities were given three years to update local ordinances to come into compliance with these state requirements. This three year period will end in January 2014.

Of the 245 communities participating in the National Flood Insurance Program (NFIP), 48 communities have adopted regulations consistent with the Rules and another 76 drafts have been reviewed. Staff continues to work closely with the remaining 121 communities. In addition, every community in the state has been contacted via phone to offer assistance and information about the Rules. Staff continues to follow up with communities to answer questions and provide assistance with local regulations updates.

Staff was present at the CCI and CML annual conferences to provide information about the Rules. (*Jamie Prochno*)

**STREAM AND LAKE PROTECTION SECTION DE MINIMIS CASES:** The following table summarizes an application that has the potential to injure the Board's instream flow water rights, but the impact is considered de minimis. In this case, the cumulative impact to the Board's

right is less than 1%. Pursuant to ISF Rule 8(e) (the de minimis rule), staff has not filed a Statement of Opposition in this case and has provided the required notification to the Division Engineer and applicant. (*Don West*)

Case No.	Applicant	Stream/ Case Number	ISF Amount	<u>Percent Injury</u>	<u>Cumulative % Injury</u>	Previous Cases
6-13CW3006	Mystic Hill Ranch	Elk River/ 6-77W1331	65 cfs (summer) 65 cfs (winter)	0.0028 % 0.0016 %	0.0155 % 0.0037%	1

**UPDATE ON 2012 ISF TEMPORARY LEASES:** In 2012, the CWCB approved three temporary ISF leases that were offered under the Colorado Water Trust's Request for Water 2012 program, and one interagency agreement with Colorado Parks and Wildlife to loan water for ISF use. (See table below). Two of the three leases potentially will be exercised in 2013. CWCB and CWT staff members are in the process of investigating the need for exercising the leases from Aspen-Shorefox, LLC on the Colorado River and from the Upper Yampa Water Conservancy District on the Yampa River. Coyote River Ranch has decided not to participate in the leasing program this year. CWCB and CPW staff members are monitoring conditions on the White River and if the need arises, will notify the Division of Water Resources of releases from the Reservoir for ISF use. (*Linda Bassi*)

ISF Reaches Benefited	Lessor	Ditch-Reservoir / Priority	Amount Leased
<b>Deep Creek</b> (5-80CW312) <i>Headgate of Yost Ditch to the Colorado River, ~ 0.5 miles</i>	<b>Coyote River Ranch</b>	<b>Yost Ditch</b> 1907	2 cfs
<b>Colorado River</b> (5-90CW300 and 5- 80CW446, 447 and 448) <ul style="list-style-type: none"> <li>• <i>Willow Creek to Fraser River, 3.4 miles</i></li> <li>• <i>Windy Gap to Williams Fork, 14.7 miles</i></li> <li>• <i>Williams Fork to Troublesome Creek, 8 miles</i></li> <li>• <i>Troublesome Creek to Blue River, 8 miles</i></li> </ul>	<b>Aspen-Shorefox, LLC</b>	<b>Bunte Highline</b> (Priority No. 168): 1911 (Priority No. 459): 1955 (Priority No. 491): 1955	17.82 cfs 14.14 cfs 8.04 cfs
<b>Yampa River</b> (6-01CW106) <i>Morrison Creek to Lake Catamount Reservoir, 5.4 miles</i>	<b>Upper Yampa Water Conservancy District</b>	Stagecoach Reservoir	4,000 AF
<b>Big Beaver Creek</b> (5-77W3652E) <i>Outlet of Lake Avery Reservoir (a/k/a Big Beaver Creek Reservoir) to confluence with the White River</i> <b>White River</b> (5-77W3652C) <i>Confluence of North Fork and South Fork of White River to confluence with Piceance Creek</i>	<b>Colorado Parks and Wildlife</b>	Lake Avery Reservoir a/k/a Big Beaver Creek Reservoir	3,000 AF

Additional details on the above leases are available upon request.

## COLORADO BECOMES CHARTER MEMBER OF "SILVER JACKETS"

**PROGRAM:** The State of Colorado recently became an official charter member of Silver

Jackets, which is an innovative program that provides a forum for bringing together state, federal, and local agencies to share information, learn from one another, and work towards common solutions for reducing risks due to natural hazards. While the program has its roots in floodplain management, there are expanding benefits for other types of risk. The program has an inter-agency focus on communications, planning, recovery efforts, and problem solving. It can also help prevent duplicative tasks and can streamline various government processes.

Colorado's Charter was signed by the CWCB, Colorado Office of Emergency Management, Corps of Engineers (Omaha, Albuquerque, Sacramento, and Kansas City Districts) and FEMA Region VIII. Similar to Colorado, a majority of states have established, or are in the process of establishing Silver Jackets teams.

Colorado's kick-off meeting was held on May 22, 2013 in the Denver Metro area. It was well attended by all of the core signatory agencies plus the National Weather Service. Conference calls will be held quarterly, and face to face meetings annually. It also provides adaptability for establishing communication protocols for special projects or following disaster events. For more information, please visit [www.nfrmp.us/state/](http://www.nfrmp.us/state/) (*Tom Browning*)

**INSTREAM FLOW PROGRAM TURNS 40!:** On July 1, 1973, Senate Bill 97 took effect, authorizing the CWCB to appropriate or acquire "such waters of natural streams and lakes as may be required to preserve the natural environment to a reasonable degree." The bill also amended the definition of "beneficial use" to remove the diversion requirement and to expressly add the CWCB's appropriation of instream flow and natural lake level water rights to preserve the natural environment to a reasonable degree. On July 18, 2013 at the Colorado Water Workshop in Gunnison, David Robbins and Linda Bassi will talk about the early years of the ISF Program, highlights of the Program over the years, and a look at current and future ISF activities. CWCB staff is proud to be a part of protecting Colorado's natural lakes, rivers and streams through the ISF Program. (*Linda Bassi*)

## **~ATTACHMENTS~**

- **01 Finance – Loan Repayment Delinquency Report, Loans Paid Off, Loan Financial Activity Report**
- **02 Instream Flow and Natural Lake Level Program – Summary of Resolved Opposition Cases**
- **03 Finance – Design and Construction Status Report**
- **04 Finance – Current Prequalified Project List and Loan Prospect Summary**
- **05 WSRA Open Grant Projects – Board Approved – Not Yet Contracted**
- **06 WSRA In Progress Projects**
- **07 WSRA Completed Projects**



## WATER PROJECT CONSTRUCTION LOAN PROGRAM

### LOAN REPAYMENT DELINQUENCY

Loan Repayments received relative to the Water Project Construction Loan Program have been reviewed for the period covering July 2012 through June 2013. The effective due date of the payment is inclusive of the Board's current 30 day late policy. Hence, the date the payment was received was compared to the last day allowable prior to the payment being considered late.

Repayments due for Fiscal Year 2013 totaled 282. There were four loan payments not received on time during this period. The loan payments from the Pine River - Bayfield Ditch Company, Fuchs Ranches, Inc. and Headgate 396 Lateral Corporation were less than 30 days late; however, Headgate made a double payment at that time. The loan payment from John Peroulis & Sons Partnership was over 60 days late. Thus, the on-time performance for the total repayments due was 99% in compliance or 1% not in compliance.

As an additional note, the loan payments relative to Rodney Preisser (now deceased) have not been received since Fiscal Year 2007. Staff is currently working with Jason Preisser to resolve the obligation.

### LOANS PAID OFF

During Fiscal Year 2013, there were twenty-three loans repaid in full to the Construction Fund and two loans repaid in full to the Severance Tax Trust Fund Perpetual Base Account, detailed as follows:

	Borrower	Contract No.	Original Loan	Principal Received
1	Caryl Carroll	C153682	\$ 50,000	\$ 11,643
2	Caryl Carroll	C153682A	\$ 25,000	\$ 6,569
3	Colorado River Water Conservation District	C153629	\$ 16,255,724	\$ 7,419,160
4	Four Seasons Trout Farm - John Niblack	C150110	\$ 85,500	\$ 9,431
5	Greeley, City of	C153507	\$ 1,100,000	\$ 337,897
6	Greeley, City of	C153588	\$ 313,424	\$ 23,953
7	Greeley, City of	C153618	\$ 644,236	\$ 352,961
8	Johnstown, Town of	C153719	\$ 1,948,933	\$ 1,371,156
9	Kelton Heights Water & San District	C153361	\$ 441,307	\$ 105,041
10	Limon, Town of	C153317	\$ 750,000	\$ 227,696
11	Mancos Water Conservancy District	C153746	\$ 62,500	\$ 11,194
12	Morrison, Town of	C153348	\$ 350,000	\$ 143,420
13	Morrison, Town of	C153773	\$ 334,054	\$ 235,512
14	Orchard Mesa Irrigation District	C153723	\$ 871,000	\$ 302,079
15	Palisade, Town of	C150006	\$ 729,521	\$ 403,980
16	Palisade, Town of	C153374	\$ 1,000,000	\$ 442,600
17	Rifle, City of	C153335	\$ 300,000	\$ 122,932
18	Silver Springs Trout Farm, Inc.	C150091	\$ 365,000	\$ 136,575
19	Trinidad, City of	C153362	\$ 465,000	\$ 25,856
20	Upper Platte and Beaver Canal Company	C150096	\$ 83,000	\$ 9,155
21	Upper Yampa Water Conservancy District	C153330	\$ 1,500,000	\$ 493,613
22	Wamsley Cattle Company	C153667	\$ 45,000	\$ 26,986
23	Snowmass Water and Sanitation District	C150315	\$ 594,930	\$ 594,930
	Totals for Construction Fund		\$ 28,314,128	\$ 12,814,342
24	Orchard Mesa Irrigation District	C150222	\$ 545,299	\$ 507,083
25	Republican River Water Conservation District	C150275	\$ 4,545,000	\$ 3,985,255
	Totals for Severance Tax TFPBA		\$ 5,090,299	\$ 4,492,338

**LOAN FINANCIAL ACTIVITY**

Loan Financial Activity relative to the Water Project Construction Loan Program for Fiscal Year 2013 is summarized as follows: Funds received relative to loans in repayment totaled \$45.1 M for this year. Funds disbursed relative to new project loans totaled \$16.9 M for this year. Net activity resulted in \$28.2 M received by the CWCB Construction Fund and the Severance Tax Trust Fund Perpetual Base Account (STTFPBA) over the total disbursed.

Further breakdown is summarized as follows: The Construction Fund portion consists of \$30.8 M in receivables and \$15.4 M in disbursements for a total net activity of \$15.4 M received over disbursed. The STTFPBA consists of \$14.3 M in receivables and \$1.5 M in disbursements for a total net activity of \$12.8 M received over disbursed. See the following table for details:

**CONSTRUCTION FUND**

<b>Period</b>	<b>Principal</b>	<b>Interest</b>	<b>Total Received</b>	<b>Disbursements</b>	<b>Net Activity</b>
July 2012	\$ 1,264,544	\$ 929,887	\$ 2,194,431	\$ -	\$ 2,194,431
August 2012	\$ 654,438	\$ 271,976	\$ 926,414	\$ 280,528	\$ 645,885
September 2012	\$ 2,044,707	\$ 327,514	\$ 2,372,221	\$ 298,153	\$ 2,074,069
October 2012	\$ 869,022	\$ 1,455,521	\$ 2,324,542	\$ 416,085	\$ 1,908,457
November 2012	\$ 7,873,790	\$ 493,310	\$ 8,367,100	\$ 104,230	\$ 8,262,870
December 2012	\$ 832,843	\$ 133,178	\$ 966,021	\$ 3,004,763	\$ (2,038,743)
January 2013	\$ 1,539,314	\$ 363,412	\$ 1,902,726	\$ 2,551,769	\$ (649,042)
February 2013	\$ 163,868	\$ 125,257	\$ 289,125	\$ 2,016,765	\$ (1,727,641)
March 2013	\$ 668,063	\$ 293,882	\$ 961,945	\$ 1,534,327	\$ (572,381)
April 2013	\$ 2,516,599	\$ 613,626	\$ 3,130,225	\$ 588,348	\$ 2,541,877
May 2013	\$ 3,055,106	\$ 3,490,161	\$ 6,545,266	\$ 2,125,405	\$ 4,419,862
June 2013	\$ 481,713	\$ 390,872	\$ 872,585	\$ 2,487,711	\$ (1,615,125)
<b>FY 2013 Totals</b>	<b>\$ 21,964,006</b>	<b>\$ 8,888,596</b>	<b>\$ 30,852,602</b>	<b>\$ 15,408,084</b>	<b>\$ 15,444,518</b>

**SEVERANCE TAX TRUST FUND PERPETUAL BASE ACCOUNT**

<b>Period</b>	<b>Principal</b>	<b>Interest</b>	<b>Total Received</b>	<b>Disbursements</b>	<b>Net Activity</b>
July 2012	\$ 199,931	\$ 229,227	\$ 429,158	\$ 17,384	\$ 411,773
August 2012	\$ 217,711	\$ 225,787	\$ 443,499	\$ 791,960	\$ (348,461)
September 2012	\$ 639,346	\$ 201,999	\$ 841,345	\$ 7,187	\$ 834,157
October 2012	\$ 505,722	\$ 418,408	\$ 924,131	\$ -	\$ 924,131
November 2012	\$ 74,820	\$ 59,445	\$ 134,264	\$ 7,240	\$ 127,025
December 2012	\$ 136,024	\$ 3,310,071	\$ 3,446,095	\$ -	\$ 3,446,095
January 2013	\$ 79,117	\$ 37,206	\$ 116,323	\$ 37,052	\$ 79,271
February 2013	\$ 137,113	\$ 182,319	\$ 319,433	\$ 589,979	\$ (270,547)
March 2013	\$ 4,727,988	\$ 372,334	\$ 5,100,321	\$ 23,764	\$ 5,076,557
April 2013	\$ 484,906	\$ 473,878	\$ 958,784	\$ -	\$ 958,784
May 2013	\$ 846,939	\$ 611,850	\$ 1,458,789	\$ 26,701	\$ 1,432,088
June 2013	\$ 50,843	\$ 55,465	\$ 106,307	\$ -	\$ 106,307
<b>FY 2013 Totals</b>	<b>\$ 8,100,459</b>	<b>\$ 6,177,988</b>	<b>\$ 14,278,447</b>	<b>\$ 1,501,267</b>	<b>\$ 12,777,180</b>

<b>GRAND TOTALS</b>	<b>\$ 30,064,466</b>	<b>\$ 15,066,584</b>	<b>\$ 45,131,050</b>	<b>\$ 16,909,351</b>	<b>\$ 28,221,698</b>
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**July 16-17, 2013 Board Meeting  
Instream Flow and Natural Lake Level Program  
Summary of Resolved Opposition Cases**

The Board's Instream flow ("ISF") Rule 8i. states that:

"In the event the pretrial resolution includes terms and conditions preventing injury or interference and does not involve a modification, or acceptance of injury or interference with mitigation, the Board is not required to review and ratify the pretrial resolution. Staff may authorize its counsel to sign any court documents necessary to finalize this type of pretrial resolution without Board ratification."

Staff has resolved issues of potential injury in the following water court cases and authorized the Attorney General's Office to enter into stipulations that protect the CWCB's water right(s):

**(1) Case No. 2-08CW106-Application of Upper Arkansas Water Conservancy District**

The Board ratified this statement of opposition at its March 2009 meeting. A four day trial was set to begin on June 11, 2013. The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicant's proposed plan for augmentation and exchange did not injure the Board's instream flow water right on Cottonwood Creek, Middle Cottonwood Creek, and South Cottonwood Creek, by not replacing out-of-priority depletions in proper time, place, or amount. Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCB's instream flow water rights will not be injured.

The CWCB holds the following ISF water rights that could have been injured by this application:

<b>CWCB Case No.</b>	<b>Stream/Lake</b>	<b>Amount (cfs)</b>	<b>Approp. Date</b>	<b>Watershed</b>	<b>County</b>
2-79CW115	Cottonwood Creek	20	3/14/79	Arkansas River	Chaffee
2-77W4667	Middle Cottonwood Creek	10	11/15/77	Arkansas River	Chaffee
2-77W4665	South Cottonwood Creek	10	11/15/77	Arkansas River	Chaffee

In addition to standard terms regarding measuring devices, accounting and retained jurisdiction, the Applicant has agreed to the following additional protective terms and conditions:

- Applicant dropped its claim for an augmentation plan.
- The 08CW106 Exchange is comprised of the 08CW106 Stream Exchange and the 08CW106 Ditch Exchange. The 08CW106 Exchange may only operate when these exchanges are being operated simultaneously. UAWCD may only divert water at the Upper Termini of the 08CW106 Stream Exchange Reach at such times, and in such amounts, as (i) a substitute supply is provided at the TCDC Ditch headgate (by reducing the diversions at the TCDC Ditch headgate); and (ii) water is being pumped from the UAWCD-Moltz Well to the lower terminus of the 08CW106 Ditch Exchange Reach; and (iii) the pumped water is being placed to a legal beneficial use. In other words, when the 08CW106 Stream Exchange is in operation:
  - o Water will be stored at the Upper Termini of the 08CW106 Stream Exchange at the Rate of Exchange;
  - o A substitute supply of water will be provided at the Lower Terminus of the 08CW106 Stream Exchange at the Rate of Exchange, by reducing the TCDC Ditch headgate diversion by the Rate of Exchange;
  - o The UAWCD-Moltz Well will divert and deliver a substitute supply of water to the UAWCD-Moltz Well Delivery Point at the Rate of Exchange; and

- The amount of the substitute supply of water diverted from the UAWCD-Moltz Well will be placed to legal beneficial use, for irrigation, unless changed pursuant to a decree from the water court.
- As a result of the terms and conditions, when the 08CW106 Stream Exchange is operated by UAWCD, there will be placed into the TCDC Ditch from the UAWCD-Moltz Well an amount of water equal to the amount of the 08CW106 Stream Exchange, which water will be legally beneficially used by Moltz from the TCDC Ditch upon the same lands and in the same manner as Moltz's decreed TCDC Ditch water right diversions. As a result, Moltz's total headgate and well diversions taken from the TCDC Ditch will be in the same amounts during the exchange as he was diverting before the operation of the exchange.
- The 08CW106 Exchange may only be operated when there is no Controlling Water Right in the 08CW106 Stream Exchange Reach. A Controlling Water Right is a water right that is placing a valid call on the stream and is diverting or utilizing all physically and legally available stream flow. An instream flow water right that is calling but not receiving its full decreed amount shall be considered a Controlling Water Right.
- The combined diversion rate at the TCDC Ditch headgate and the Rate of Exchange shall not exceed the corresponding historical average rate of diversion provided in the above table. On days when any TCDC Ditch water user causes the diversions at the TCDC Ditch headgate to exceed the corresponding historical average rate of diversion provided in the above table, the 08CW106 Exchange shall not operate.
- To prevent an unlawful expansion of use of the TCDC Ditch water right under the 08CW106 Ditch Exchange, all of the conditions and diversion rate limits provided in paragraph 21, or as modified by a future quantification, will be imposed on any day the 08CW106 Exchange is operated

## **(2) Case No. 3-08CW010 – Application of Gregg Sease**

The Board ratified this statement of opposition at its November 2008 meeting. The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicant's proposed plan for augmentation does not injure the Board's instream flow water rights on Saguache Creek and Sheep Creek, by not replacing out-of-priority depletions in proper time, place, or amount. This case was closed by the court due to lack of progress.

The CWCBC holds the following ISF water rights that could have been injured by this application:

<b>CWCB Case No.</b>	<b>Stream/Lake</b>	<b>Amount (cfs)</b>	<b>Approp. Date</b>	<b>Watershed</b>	<b>County</b>
3-82CW208	Saguache Creek	8/5	10/7/1982	Saguache Creek	Saguache
3-82CW226	Sheep Creek	2	10/7/1982	Saguache Creek	Saguache

## **(3) Case No. 4-10CW202–Application of Norwood Water Commission**

The Board ratified this statement of opposition at its March 2011 meeting. The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicant's proposed change of water rights does not injure the Board's instream flow water rights on the San Miguel River, West Beaver Creek, Fall Creek, Beaver Creek, Saltado Creek and Specie Creek. Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCBC's instream flow water right will not be injured by expansion of use.

The CWCB holds the following ISF water rights that could have been injured by this application:

<b>CWCB Case No.</b>	<b>Stream/Lake</b>	<b>Amount (cfs)</b>	<b>Approp. Date</b>	<b>Watershed</b>	<b>County</b>
4-02CW277	San Miguel River	93/61	7/13/1984	San Miguel	San Miguel
4-84CW442	West Beaver Creek	1.5	7/13/1984	San Miguel	San Miguel
4-84CW436	Fall Creek	5	7/13/1984	San Miguel	San Miguel
4-93CW268	Beaver Creek	5/2.5	11/9/1993	San Miguel	San Miguel
4-93CW267	Saltado Creek	2/1	11/9/1993	San Miguel	San Miguel
4-02CW279	Specie Creek	1.6/4.3/0.2	1/23/2002	San Miguel	San Miguel

In addition to clarifying the plan and applicant's intent in the decree, and adding standard terms regarding measuring devices, accounting and retained jurisdiction, the Applicant has agreed to the following additional protective terms and conditions:

- Prior to using any alternate PODs decreed herein, Applicant must provide an accounting plan identifying when these alternate PODs will be operated without injuring existing intervening water rights. Alternate PODs can only be operated when water is physically and legally available at the original point of diversion and without injury to intervening water rights as determined by the Division Engineer.
- The total combined maximum active storage capacity under any combination of storage structures decreed in this case and in Case No. 10CW203, Water Division No. 4, for use by the Norwood Water Commission shall not exceed 2,250 acre-feet.
- The conditional water rights adjudicated herein are subject to several construction and need-based reality checks as listed in the decree.
- If any of the instream flow rights specified in the decree is an intervening right as defined in paragraph 11.F., Applicant will not divert at any alternate point of diversion decreed herein during times when such instream flow right is not satisfied in the reach between the original point of diversion and such alternate point of diversion

#### **(4) Case No. 4-11CW161–Application of Moores Mining Ranching and Sawmill**

The Board ratified this statement of opposition at its March 2012 meeting. The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicant's proposed change of water rights does not injure the Board's instream flow water right on West Creek. Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCB's instream flow water right will not be injured.

The CWCB holds the following ISF water right that could have been injured by this application:

<b>CWCB Case No.</b>	<b>Stream/Lake</b>	<b>Amount (cfs)</b>	<b>Approp. Date</b>	<b>Watershed</b>	<b>County</b>
4-77W3296	West Creek	6.0	1/19/1977	Lower Dolores	Mesa

In addition to standard terms regarding measuring devices, accounting and retained jurisdiction, the Applicant has agreed to the following additional protective terms and conditions:

- The Wild Rose Ditch Hydropower Enlargement and the Fields Ditch Hydropower Enlargement are junior to the Colorado Water Conservation Board's (CWCB) instream flow water right decreed in Case No. W-3296-1977 and will be managed in accordance with Colorado water law such that the CWCB instream flow rate of 6 c.f.s. must be satisfied before waters may be diverted

under the 10 c.f.s. Wild Rose and Fields Ditch Hydropower Enlargements decreed herein for hydroelectric power generation.

- Any water diverted into the Wild Rose Ditch or the Fields Ditch for hydroelectric power generation shall be returned to West Creek upstream of the west line of Section 2, Township 15 S Range 103 W.
- Pursuant to CRS §37-92-102(3)(b), CWCB and Applicant recognize that the Applicant's year round livestock watering use of 1 c.f.s for 400 head of cattle from the Wild Rose Ditch, and year round livestock watering use of 0.8 c.f.s for 200 head of cattle from the Fields Ditch were being made pursuant to appropriation or practices in existence at the time of the CWCB's appropriation of an instream flow water right on West Creek in Case No. W-3296-1977
- The subordination of the instream flow water right to the Applicant's Fields Ditch and Wild Rose Ditch livestock watering water rights decreed herein pursuant to CRS 37-92-102(3)(b) in this case shall not interfere with the administration of the Fields Ditch and Wild Rose Ditch rights in priority as against other water rights, and shall not result in the general subordination of the CWCB's West Creek decreed instream flow right to any other water rights junior to that instream flow water right

**(5-8) Case No. 5-03CW333, 334, 336 and 5-05CW288 - Applications of CLP Granby, LLC (Original Applications filed by Shorefox, LLC)**

The Board ratified these statements of opposition at its May 2004 and March 2006 meetings. The Board's main objective in filing the statement of opposition in these cases was to ensure that the Applicant's proposed plans for augmentation and exchanges and changes of water rights do not injure the Board's instream flow water rights on the Colorado River by expansion of use or by not replacing out-of-priority depletions in proper time, place, or amount. Staff, in cooperation with the Attorney General's Office, has negotiated settlements in each of these cases to ensure that the CWCB's instream flow water rights will not be injured.

The CWCB holds the following ISF water rights that could have been injured by this application:

<b>CWCB Case No.</b>	<b>Stream/Lake</b>	<b>Amount (cfs)</b>	<b>Approp. Date</b>	<b>Watershed</b>	<b>County</b>
5-90CW308B	Fraser River	30/19	11/27/90	Colorado Headwaters	Grand
5-80CW447	Colorado River	90	7/8/80	Colorado River	Grand
5-80CW446	Colorado River	135	7/8/80	Colorado River	Grand
5-80CW448	Colorado River	150	7/8/80	Colorado River	Grand

In addition to clarifying the plan and applicant's intent, particularly regarding direct flow and storage claims in the decrees; conforming the various decrees for consistency of claims; and including standard terms regarding measuring devices, accounting and retained jurisdiction, the Applicant has agreed to remove duplicative claims, define flow-through systems, provide maps of the plan, identify a phased approach for the development, and to add the following additional protective terms and conditions:

- Applicant has identified a phased approach with the first phase not to exceed the current amount of augmentation water available. Irrigation dry-up will also be phased as needed during project development.
- An upstream augmentation point is identified. Any depletion upstream of this point cannot be augmented to an intervening ISF call, therefore junior depletions upstream of this point shall be curtailed in the event of such call.
- The South Shorefox Pond will be constructed so that if stored water is needed for operation of the plans for augmentation, it can be drawn down without replacement of evaporation. Applicant shall seal or otherwise ensure that the South Shorefox Pond does not intercept ground water. The

South Shorefox Pond may also be used to store water for augmentation use in the augmentation plans decreed in this case and in Case Nos. 03CW333, 03CW334, and 03CW335. The applicant does not seek a flow through right and this structure will not be operated as a flow through system.

- The Shorefox Fish Pond System may operate as a flow-through system only when the sources of water to fill the reservoir are in priority or diversions are being augmented. In the event of a valid CWCB call of its instream flow water rights in this reach of the Colorado River, then the Shorefox Fish Pond System will not operate as a flow through system.
- The applicant does not seek a flow-through right for the Shorefox Cutthroat Trout Refugium and this structure will not be operated as a flow-through system. Water will only be diverted in to this system in priority; the diversion is 100% consumptive to the natural stream system.
- Combined diversion from the original points and alternate points shall not exceed the legal and physical availability of water at the original points.

**(9) Case No. 5-06CW253 – Application of Strategic Real Estate**

The Board ratified this statement of opposition at its March 2007 meeting. The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicant's proposed change of water rights and plan for augmentation does not injure the Board's instream flow water rights on the Blue River by expansion of use and by not replacing out-of-priority depletions in proper time, place, or amount. Applicant's proposed plan for augmentation must address delayed impacts from the proposed wells as well as impacts from the termination of historical irrigation return flows resulting from the dry-up of historically irrigated land. Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCB's instream flow water right will not be injured.

The CWCB holds the following ISF water rights that could have been injured by this application:

<b>CWCB Case No.</b>	<b>Stream/Lake</b>	<b>Amount (cfs)</b>	<b>Approp. Date</b>	<b>Watershed</b>	<b>County</b>
5-87CW294	Blue River	55/52/50	10/2/87	Blue River	Summit
5-87CW295	Blue River	75/58	10/2/87	Blue River	Summit
5-87CW296	Blue River	67-115	10/2/87	Blue River	Summit
5-87CW297	Blue River	70-125	10/2/87	Blue River	Summit
5-87CW298	Blue River	85-125	10/2/87	Blue River	Summit

In addition to standard terms regarding measuring devices, accounting and retained jurisdiction, the Applicant has agreed to additional protective terms and conditions regarding return flow timing, depletions timing, evaporation rates, locations of return flows, types of uses allowed, and documenting dry up acreage.

**(10) Case No. 5-09CW173 – Application of Daria Stowell Revocable Trust**

The Board ratified this statement of opposition at its May 2010 meeting. The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicant's proposed plan for augmentation does not injure the Board's instream flow water rights on Crooked Creek and the Fraser River, by not replacing out-of-priority depletions in proper time, place, or amount. Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCB's instream flow water rights will not be injured.

The CWCB holds the following ISF water right that could have been injured by this application:

<b>CWCB Case No.</b>	<b>Stream/Lake</b>	<b>Amount (cfs)</b>	<b>Approp. Date</b>	<b>Watershed</b>	<b>County</b>
5-90CW301	Crooked Creek	6/1.5	11/27/1990	Colorado Headwaters	Grand



In addition to standard terms regarding measuring devices, accounting and retained jurisdiction, the Applicant has agreed to the following additional protective terms and conditions:

- Applicant agreed to drop its claim to snowmelt and runoff because the physical system would not allow for curtailment of such junior claim.
- At times when an administrative call by downstream senior water rights is being enforced, including by the instream flow rights decreed to the CWCB in Case Nos. 90CW296, 90CW298 and 90CW301, and the Crooked Creek No. 1, and the Priorities 69 and 107 are in priority, out-of-priority depletions resulting from evaporation from Stowell Pond Nos. 1 and 2 will be replaced with the Applicant's interest in the Crooked Creek Ditch No. 1 Priority Nos. 69 and 107. When insufficient consumptive use credit is available to replace all evaporation, diversions to the ponds will be curtailed as needed to prevent injury to the calling water rights.

**(11-12) Case No. 5-09CW187 (consolidated with 1-09CW278 and 2-09CW143) and Case No. 5-09CW188 – Application of Freemont Pass Ditch Company**

The Board ratified these statements of opposition at its May 2010 meeting. The Board's main objective in filing the statements of opposition in these cases was to ensure that the Applicant's proposed change of water rights does not injure the Board's many instream flow water rights on the tributaries in the Upper Arkansas, Upper Eagle, and the Upper Middle and South Forks of the South Platte River Basins by expansion of use. Staff, in cooperation with the Attorney General's Office, has negotiated settlements to ensure that the CWCB's instream flow water right will not be injured.

In addition to standard terms regarding measuring devices, accounting and retained jurisdiction, the Applicant has agreed to the following additional protective terms and conditions:

- When diverting the new junior water right, Applicant shall bypass at Headgate No. 3 the natural flow of the East Fork of the Eagle River upstream of that point, up to a maximum of 1.5 cfs, in accordance with the ISF appropriation in Case No. 85CW262.
- No exchange appropriation was sought in this matter and no exchange appropriation is confirmed by this decree. To the extent an exchange is necessary to store or re-divert water in accordance with this decree, such exchange shall operate pursuant to C.R.S. § 37-80-120 or by applicable decree only when such exchange is not subject to administration to satisfy a call placed by an intervening decreed instream flow water right

**(13) Case No. 2-09CW142 (consolidated with 1-09CW272 and 5-09CW186) – Application of Busk-Ivanhoe, Inc.**

The Board ratified this statement of opposition at its May 2010 meeting. The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicant's proposed change of water rights does not injure the Board's many instream flow water rights on the tributaries in the Upper Arkansas, Upper Eagle, Frying Pan, Roaring Fork and the Upper Middle and South Forks of the South Platte River Basins by expansion of use. Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCB's instream flow water rights will not be injured.

The Applicant has agreed to the following protective term and condition:

- No exchange appropriation was sought in this matter and no exchange appropriation is confirmed by this decree. To the extent an exchange is necessary to store or re-divert water in accordance with this decree, such exchange shall operate pursuant to C.R.S. § 37-80-120 or by applicable decree only when such exchange is not subject to administration to satisfy a call placed by an intervening decreed instream flow water right.

# STATE OF COLORADO

## Colorado Water Conservation Board Department of Natural Resources

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TO: Colorado Water Conservation Board Members

FROM: Kirk Russell, P.E., Chief  
Finance & Administration Section

DATE: July 3, 2013

SUBJECT: **Directors Report – July 16-17, 2013 Board Meeting  
Finance – Design & Construction Status Report**

John W. Hickenlooper  
Governor

Mike King  
DNR Executive Director

James Eklund  
CWCB Director

The CWCB Loan Program has Substantially Completed seventeen projects in Fiscal Year 2012-13 as shown in Table 1. There are currently 50 projects authorized to receive loan funding totaling \$197 million. There are 37 projects currently under contract and in the Design and Construction phase totaling \$92 million.

The attached spreadsheet summarizes the status of the projects. A detailed description about each project is provided in the digital version of the Director's Report.

**TABLE 1**

	<b>Borrower</b>	<b>Project</b>	<b>County</b>	<b>Loan</b>	<b>Complete</b>
1	Last Chance Ditch Co	Ditch Headworks Replacement	Weld	\$185,436	7/1/12
2	Lake Canal Reservoir Co	So. Gray Res. Rehab.	Larimer	\$393,900	7/1/12(a)
3	Jackson Ditch Co	Headgate Check Struct. Rehab	Larimer	\$81,810	7/1/12
4	Snowmass W&S Dist	Zeigler Res. Water Management	Pitkin	\$1,952,805	9/1/12
5	Snowmass W&S Dist	Zeigler Res. Expansion Proj	Pitkin	\$2,873,804	9/1/12(b)
6	Republican River WCD	Compact Compliance Pipeline	Multiple	\$60,600,000	9/1/12
7	Pagosa Area WSD	Dry Gulch Res. Land Acquisition	Archuleta	\$11,217,060	10/1/12
8	New Cache LaPoudre Irr. Co	Reservoir Project	Weld	\$7,272,000	12/1/12(c)
9	Big Elk Meadows Assoc.	Raw Water System Improvements	Boldr/Larimr	\$272,700	2/1/13
10	Center of CO Water Cons Dist	Smelter Pipeline Res Enlargement	Park	\$404,000	2/1/13(d)
11	Henrylyn Irrigation District	Horse Creek & Prospect Res Rehab	Weld	\$2,184,327	2/1/13(e)
12	Two Rivers Water Co	Orlando Reservoir Rehabilitation	Huerf/Pueb	\$1,184,882	3/1/13
13	Parkville Water District	Canterbury Tunnel Repair	Lake	\$1,838,200	2/1/13
14	Farmers Res & Irrigation Co	Milton Res & Barr Lake Imprv Proj.	Adms/Weld	\$3,535,000	4/1/13
15	Ogilvy Augmentation Co	Well Augmentation	Weld	\$1,010,808	4/1/13
16	Fort Morgan Res & Irr Co	Pipeline/Augmentation Retiming	Morgan	\$1,494,800	5/1/13
17	Fort Morgan Res & Irr Co	River Diversion Rehab Project	Morgan	\$1,308,960	5/1/13
		Total		\$97,810,492	

Fiscal Year 2012-13 has added or preserved 8,205AF of reservoir storage [(a) 1,120AF, (b) 240AF, (c) 4,500AF, (d) 300AF, (e) 3,000AF]

Interstate Compact Compliance • Watershed Protection • Flood Planning & Mitigation • Stream & Lake Protection  
Water Project Loans & Grants • Water Modeling • Conservation & Drought Planning • Water Supply Planning

## LAST CHANCE DITCH COMPANY DITCH HEADWORKS REPLACEMENT PROJECT



### Project Description

The Last Chance Ditch Company utilizes the Last Chance Ditch to supply water to its 14 shareholders for the purpose of irrigation and gravel company operations. The old headworks of the ditch consisted of a wooden structure with dual gates that had been in place since the early 1900's. The headgate had been rehabilitated numerous times over the years and the annual maintenance and reliability had become a growing concern. The project included the removal and replacement of the existing headworks with a reinforced concrete structure with dual headgates and an overshot gate. The Project will reduce the annual maintenance costs and increase the reliability of the structure.

### Project Data

**Sponsor:** Last Chance Ditch Company

**County:** Weld

**Water Source:** St. Vrain Creek

**Substantial Completion:** July 1, 2012

**Terms of Loan:** \$185,436 (\$166,460 drawn) for 30 years @ 4.65%

**Design Engineer:** AGPROfessionals, LLC, Longmont, CO

**Contractor:** Concrete Structures, Inc., Longmont, CO

**Project Elements:** Concrete diversion structure, 120 tons of rock rip-rap, 3 steel gates

**Lake Canal Reservoir Company**  
**SOUTH GRAY RESERVOIR REHABILITATION and GRAY No. 3 BREACHING**



South Gray Toe Drain



Gray No. 3 Dam Breach

### **Project Description**

The Project was necessary to address a dam safety hazard identified by the Dam Safety Branch of DWR and avoid the potential for a reservoir storage restriction. The South Gray Reservoir dam had excessive seepage along a major portion of the dam which required the installation of toe drains along the face of the dam to preserve the storage right and ensure the safety of the dam. Gray Reservoir No. 3 was restricted to zero storage by the SEO due to the poor condition of the dam and outlet works. The Company received a court decree allowing the storage to be moved to other locations which allowed the Company to breach Gray No. 3 dam and realign the access road. The Project was completed in the fall of 2011.

### **Project Data**

**Sponsor:** Lake Canal Reservoir Co.

**County:** Larimer & Weld

**Water Source:** Box Elder Creek

**Terms of Loan:** \$393,900 for 30 years @ 3.15%

**Substantial Completion:** July 1, 2012

**Design Engineer:** Smith Geotechnical, Fort Collins

**Contractor:** Schmidt Earth Builders, Windsor, CO

**Project Elements:** The rehabilitation involved \$100,000 of toe drain installation and measuring weirs. Riprap was placed along the upstream face of the dam.



## JACKSON DITCH COMPANY CHECK DAM REHABILITATION PROJECT



### Project Description

The Jackson Ditch Company is responsible for the average annual delivery of 5,500 AF of irrigation water to its 75 shareholders. This project was for the rehabilitation of the check dam structure on the Cache la Poudre River. The river splits and flows around an island just upstream of the Company's diversion headgate. When flows are particularly low the structure is utilized to convey flows to the east side of the island where they can be diverted through the headgate. The concrete check dam had been in place since the 1960's, but has recently fallen into disrepair, preventing the Company from diverting its most senior water rights at times. The project provides a long-term, low maintenance solution for restoring the ability to deliver water to shareholders during times of extreme river conditions. Construction was completed in the summer of 2012.

### Project Data

**Sponsor:** Jackson Ditch Company

**County:** Larimer

**Water Source:** Cache la Poudre River

**Substantial Completion:** July 1, 2012

**Terms of Loan:** \$124,533 (\$112,958 drawn) for 30 years @ 3.60%

**Design Engineer:** Andek Consulting, Fort Collins, CO

**Contractor:** Connell Resources, Inc., Fort Collins, CO

**Project Elements:** 53 CY concrete check dam structure and footing with steel control gate

**Snowmass Water & Sanitation District  
ZEIGLER RESERVOIR WATER MANAGEMENT SYSTEM**



**Project Description**

The District requested a loan to construct a delivery system which included the construction of a pump house, approximately 1,400 ft of pipe, a flow control building, installation of telemetry and electric power. The District diverts water for treatment from East Snowmass Creek and East Snowmass Creek Spring, Brush Creek and Snowmass Creek. Prior to this Project the District did not have a useable raw water storage facility. They purchased Ziegler Reservoir (aka Lake Deborah) in 2008 for the express purpose of improving system reliability by expanding the reservoir from its current 57 AF to approximately 225 AF. The District serves approximately 3,500 full time residents and during the winter ski season about 15,000 residents. The new system will regulate flows and provide a supply during times of diminished stream flows, and divert water to and pump water from the recently purchased Ziegler reservoir. Construction was completed in the fall of 2011.

**Project Data**

**Sponsor:** Snowmass Water & Sanitation District

**County:** Pitkin

**Water Source:** Snowmass Creek

**Terms of Loan:** \$1,952,805 for 20 years @ 4.25%

**Substantial Completion:** September 1, 2012

**Design Engineer:** McLaughlin Water, Denver

**Contractor:** Gould Construction, Glenwood Springs

**Project Elements:** The construction of a pump house, approximately 1,400 ft of pipe, a flow control building, installation of telemetry and electric power.



## Snowmass Water & Sanitation District ZEIGLER RESERVOIR EXPANSION PROJECT



### Project Description

The District requested a loan to enlarge Ziegler Reservoir. The District purchased Ziegler Reservoir in 2008 with the purpose of improving system reliability and expanding it from 57 AF to 240 AF. Prior to that time, it did not have a useable raw water storage facility. This was part of an overall effort to regulate flows and provide a supply during times of diminished stream flows. The overall effort included a system to divert water to and pump water from the reservoir. The CWCB previously approved a loan to the District to construct the pipeline to deliver water to and from the reservoir. The reservoir expansion uncovered a significant number of prehistoric mammoth bones which set the project back about one year. It was completed in the fall of 2011.

### Project Data

**Sponsor:** Snowmass Water & Sanitation District

**County:** Pitkin

**Water Source:** Snowmass Creek

**Terms of Loan:** \$2,873,804 for 20 years @ 4.75%

**Substantial Completion:** September 1, 2012

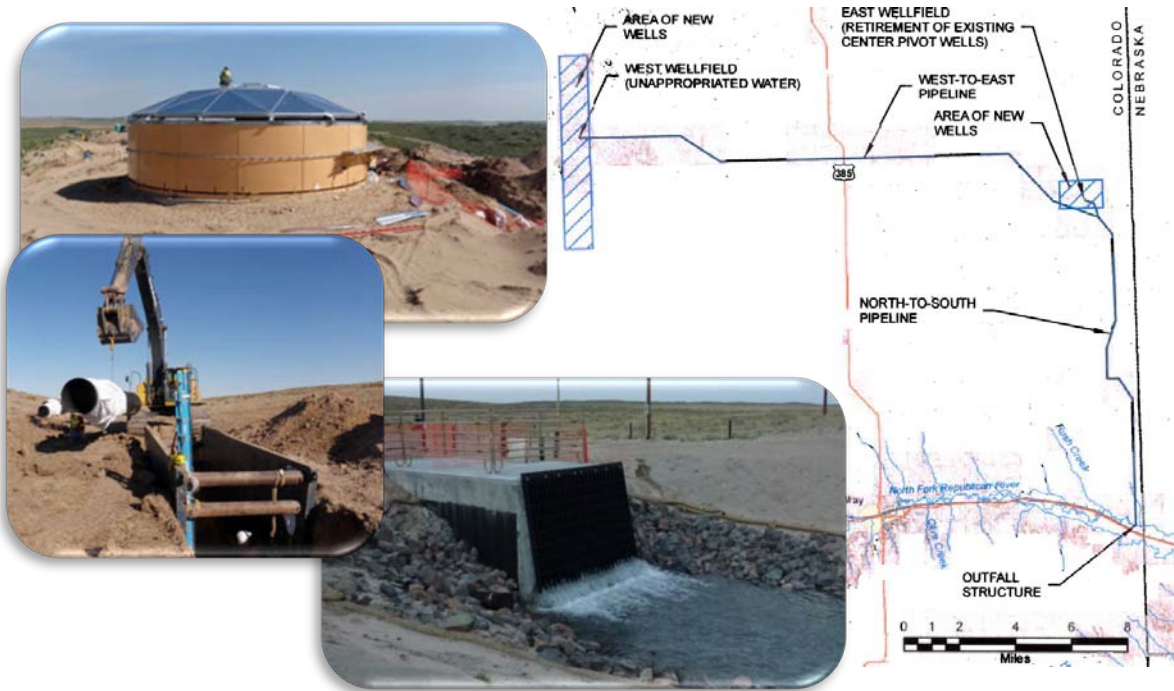
**Design Engineer:** WW Wheeler & Assoc., Denver and URS Corporation, Denver

**Contractor:** Hudick Excavating, Castle Rock

**Project Elements:** The removal of the existing dam and replace it with 40,000 CY of dam embankment material, installation of riprap, spillway tower, outlet structure, and sand filter drain system.



## REPUBLICAN RIVER WATER CONSERVATION DISTRICT COMPACT COMPLIANCE PIPELINE PROJECT



### Project Description

In December 2002, Colorado entered into a Stipulation with Kansas and Nebraska to address the U.S. Supreme Court case of *Kansas v. Nebraska and Colorado*. In 2007, the State had exceeded its allocation under the Compact by an average of 11,350 AF/yr. To solve the problem the District elected to acquire ground water and deliver it to the North Fork of the Republican River via this pipeline project to the Colorado-Nebraska state line to offset stream depletions. The 12.7 miles of pipe runs roughly parallel to the state line to an outfall point on the Republican River approximately ½ mile above the Colorado/Nebraska state line. The pipe diameter is 42" on the north end and reduces to 30" in the lower section near the river. Water can be pumped from a network of 15 wells, into a storage tank at the top end of the pipe, and gravity flows to the outfall at the river. The District purchased 53 irrigation wells to achieve the necessary water.

### Project Data

**Sponsor:** Republican River  
Water Conservation District

**County:** Yuma, Phillips, Sedgwick,  
Logan, Washington, Lincoln, and Kit  
Carson

**Water Source:** North Fork  
Republican River Wells

**Terms of Loan:** \$60,600,000, 20 years @ 2.00%

**Substantial Completion:** 9/1/2012

**Contractor:** Garney Construction, Kansas City Mo.

**Design Engineer:** GEI Consultants, Inc, Centennial, and Slattery Aqua Engineering, Parker

**Legal Counsel:** Hill & Robins, PC, Denver, CO

**Project Elements:** 12.7 miles of ductile iron pipe, 7.8 miles of PVC well-collection field pipe, 15,000 AF of well water rights

**Pagosa Area Water & Sanitation District  
DRY GULCH RESERVOIR PROJECT – LAND ACQUISITION**



View to the northeast of subject. Forest Service and BLM Land in background

**Project Description**

District serves 9,500 residents in the 100 sq. mile service area. Drought and demand from growth is requiring additional storage. Growth projections estimated the need for a 35,000 AF reservoir to meet demand through 2100. Dry Gulch site was the only reasonably valued site available due to land development in the area. The primary source of water for the Reservoir will be pumping water from the San Juan River. The CWCBC loan was used to purchase one of two parcels of land needed to begin the process of designing a reservoir. Construction was expected to start in 2020 however due to the downturn in the economy and a change in the direction of the Board of Directors, the Project has been terminally placed on hold without purchasing the second parcel of land. A request from the District to set a Substantial Completion date of October 1, 2012 was granted by staff and supported by the CWCBC Board at the September 2012 meeting.

**Project Data**

**Sponsor:** Pagosa Area W&S District

**County:** Archuleta

**Water Source:** San Juan River

**Terms of Loan:** \$11,217,060 for 30 years @ 3.5%

**Substantial Completion:** October 1, 2012

**Design Engineer:** Harris Engineering, Durango and MWH Americas, Inc, Denver

**Contractor:** N/A

**Project Elements:** Weber parcel appraised by Walters & Mullins for \$10,525,000. District closed on the property on January 2008.

## **New Cache La Poudre Irrigation Company BARNSVILLE RESERVOIR PROJECT**



### **Project Description**

The Company diverts about 37,500 AF of irrigation water from the Cache La Poudre River near Timnath to service approximately 35,000 acres in Larimer and Weld counties, located immediately north of the Cache La Poudre and South Platte rivers between Windsor and Barnesville. This project provides water storage to equalize ditch flows, improve the efficiency and reliability of the canal system, provide storage to meet demand, and to augment groundwater supplies to compensate for well pumping. The construction of the three reservoirs near Barnesville consists of the 300 AF Barnesville Equalizer Reservoir, the 1600 acre-foot Cornish Plains Reservoir, the 600 acre-foot Drury Reservoir, a diversion structure to divert water from the North Side Extension Ditch into the Barnesville Equalizer, and a pump station.

### **Project Data**

**Sponsor:** New Cache La Poudre  
Irrigation Company

**County:** Larimer/Weld

**Water Source:** Cache La Poudre  
River

**Terms of Loan:** \$7,272,000 for 20 years @ 2.50%

**Substantial Completion:** December 1, 2012

**Design Engineer:** Smith Geotechnical Engineering, Fort Collins

**Contractor:** Schmidt Earth Builders, Inc. Windsor, CO

**Project Elements:** 2,450 lf of 36" pipeline and 5,870 lf of 24" pipeline connecting the 3 reservoirs.



## BIG ELK MEADOWS ASSOCIATION RAW WATER SYSTEM IMPROVEMENTS PROJECT



*Before and after photos of the Meadow Lake outlet structure*

### Project Description

The Big Elk Meadows Association requested a loan for improvements to its raw water system which serves Big Elk Meadows, a 205-lot subdivision with 160 residences distributed across 460 acres. During an SEO inspection of the Association's raw water system and review of its water accounting practices it was determined the outlet conduit from Meadow Lake Dam was collapsing and becoming inoperable and it was determined that the Association had no accurate means to gauge flows and accurately control reservoir release rates, violating the terms of its 1995 decree regarding return flows. The SEO required that the Association improve their raw water system and accounting protocol in order to function safely and in compliance with its decrees. Project improvements included: Meadow Lake Dam outlet replacement, raw water monitoring equipment installation, and installation of an ISH Reservoir augmentation outfall. The project provides the Association the means to monitor and control reservoir releases while satisfying downstream obligations per their augmentation plan.

### Project Data

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**Sponsor:** Big Elk Meadows Association

**County:** Boulder/Larimer

**Water Source:** West Fork of the Little Thompson River

**Substantial Completion:** February 1, 2013

**Terms of Loan (Contract # C150327):** \$272,700 for 30 years @ 4.50%

**Design Engineer:** Gauthiere Engineering, Greeley, CO

**Contractor:** T&G Enterprises (Ackerman Excavating), Lyons, CO

**Project Elements:** 500 CY of excavation/material placement, place 300 CY rip-rap, place 25 CY of concrete (2 structures), install multiple butterfly valves (6" – 12")



## CENTER OF COLORADO WATER CONSERVANCY DISTRICT SMELTER PIPELINE RESERVOIR ENLARGEMENT PROJECT



*Before and after photos from Smelter Pipeline Reservoir Dam*

### **Project Description**

The Center of Colorado Water Conservancy District (CCWCD), a Title 37 Special District, co-owns and manages a blanket augmentation plan across Park County with the Upper South Platte Water Conservancy District. The CCWCD purchased Smelter Pipeline Reservoir in 2005 to increase its augmentation capacity in the upstream reach of the basin. When purchased, the reservoir had significant seepage issues and its diversion headgate was deteriorated and marginally operational. The enlargement of the reservoir from 21 AF to 28 AF increased CCWCD's storage capacity and enabled it to more efficiently implement its augmentation obligation across Park County. Included in the project was the lining of the reservoir, replacement of the diversion headgate, and modification of the dam outlet works to accommodate the increased capacity.

### **Project Data**

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**Sponsor:** Center of Colorado Water Conservancy District

**County:** Park

**Water Source:** Michigan Creek

**Substantial Completion:** February 1, 2013

**Terms of Loan (Contract #C150335):** \$404,000 (\$404,000 drawn) for 10 years @ 2.50%

**Design Engineer:** TZA Water Engineers, Lakewood, CO

**Contractor:** Hudick Excavating, Inc., Castle Rock, CO

**Project Elements:** 35,000 CY of native material excavation and placement, 150,000 SF of 30 mil PVC liner, 300,000 SF of 8oz. geotextile layer, 750 LF 8" PVC, 850 LF 6" PVC, and installation of a 4" flow meter and valve box

## HENRYLYN IRRIGATION DISTRICT HORSE CREEK AND PROSPECT RESERVOIR REHABILITATION PROJECT



*Prospect Reservoir Dam pre-project debris (inset) and the rehabilitated Horse Creek Reservoir outlet flume*

### Project Description

The Henrylyn Irrigation District, formed in 1907, utilizes Horse Creek and Prospect Reservoirs in the annual delivery of more than 19,000 acre-feet of irrigation water to over 32,000 acres of agricultural land in Weld County. The reservoirs, which are separated by 25 miles, are in-line reservoirs fed by the Denver-Hudson Canal. For Horse Creek Reservoir the project consisted of lining the outlet works, installing additional toe drain, and resurfacing/re-grading the dam crest. Rehabilitation efforts for Prospect Reservoir, which is currently under a 1.5-foot storage restriction due to stability concerns, consisted of a lining for the outlet works, toe drain rehabilitation and improvements, resurfacing of the dam crest, regrading the dam embankment, and rehabilitating the face of the dam. The project will restore the storage capacity of Prospect Reservoir while increasing the efficiencies of both outlet works and providing addition stability and maintenance access.

### Project Data

**Borrower:** Henrylyn Irrigation District

**County:** Weld

**Water Source:** Denver-Hudson Canal

**Substantial Completion:** February 1, 2013

**Terms of Loan (Contract #C150252):** approved for \$2,184,327 (\$2,150,597.05 drawn) for 30 years @ 2.25%

**Design Engineer:** Smith Geotechnical, Fort Collins, CO

**Contractor:** Zak Dirt, Inc., Longmont, CO

**Project Elements:** Rip-rap lined outlet channel and concrete headwall/flume, toe drain installation and repair, dam embankment fill placement, toe drain pump installation, piezometer installation, concrete dam rehabilitation



**TWO RIVERS WATER COMPANY  
ORLANDO RESERVOIR REHABILITATION PROJECT**



*Finished project photos of the Orlando Reservoir and the Cucharas No. 5 spillway improvements.*

### **Project Description**

The Two Rivers Water Company is requested a CWCB loan to restore aging water infrastructure in order to support the company's agricultural production. Loan funds were used to modify the spillway at the Cucharas Dam. This temporarily brought the spillway up to SEO standards and allowed the company to store a restricted level of water and avoided a pending breach order. Loan funds were also used to repair the outlet works at the Orlando Reservoir No. 2 where a new 30-inch outlet pipe with a new headwall and trash rack system was installed. Funds were also used to construct a new headgate on the Orlando Canal where there had previously been a temporary sand dam. This structure was replaced with a new sheet pile wall.

### **Project Data**

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**Sponsor:** Two Rivers Water Company

**County:** Huerfano & Pueblo

**Water Source:** Huerfano River

**Substantial Completion:** March 1, 2013

**Terms of Loan (Contract # C150328):** \$1,184,882 for 20 years @ 2.50%

**Design Engineer:** Applegate Engineering, Denver, CO

**Contractor:** SLV Earth Movers, Monte Vista, CO

**Project Elements:** Cucharas No. 5 Reservoir spillway improvements (concrete removal of ogee crest spillway to lower spillway level), installation of a new 30-inch outlet works pipe at the Orlando Reservoir, and Orlando Ditch headgate rehabilitation.

## **Parkville Water District CANTERBURY TUNNEL REPAIR PROJECT**



### **Project Description**

The Project included the construction of a vertical bore, installation of a well pump station and 1.5 miles of 10 inch pipeline. The Project will allow the District to access water from the Canterbury Tunnel which provided a high quality and reliable water supply until the late 1990's. The tunnel was constructed during the late 1920's to provide mine drainage. In 1961, the District accessed the water at the portal and pumped it into the existing District's distribution system. The tunnel produced high quality groundwater at a constant rate and a year-round temperature of approximately 50 degrees. In 2003, a portion of tunnel collapsed. The project involved the installation of a vertical bore/well into the tunnel. A pump was installed to withdraw water from the tunnel and a pipeline was installed to convey the tunnel water to the Evans Gulch Reservoir. The pipeline connects into an existing District pipeline near Evans Gulch Reservoir.

### **Project Data**

**Sponsor:** Parkville Water District

**County:** Lake

**Water Source:** Canterbury Tunnel

**Terms of Loan:** \$1,838,200.00 for 3 years @ 4.00%

**Substantial Completion:** February 1, 2013

**Design Engineer:** W. W. Wheeler, Englewood, CO

**Contractor:** Stan Miller, Inc., Breckenridge, CO

**Project Elements:** 250 foot vertical bore/well, well pump house and electrical equipment. 8,300 feet of 10-inch HDPE pipe.



**Farmers Reservoir and Irrigation Company**  
**MILTON SPILLWAY/OUTLET REHABILITATION & BARR LAKE IMPROVEMENTS**



**Project Description**

Farmers Reservoir and Irrigation Company operates a ditch and reservoir system extending 3,500 square miles along the Front Range corridor, from Golden to Kersey including Barr Lake and Milton Reservoir. This project included replacing the upstream outlet gate structure and a portion of the piped outlet works at Milton Reservoir and enlarging the existing spillway. In addition, Barr Lake spillway was enlarged along with the raising the perimeter dike. The construction components were completed in late 2011.

**Project Data**

**Sponsor:** Farmers Reservoir and Irrigation Company

**County:** Adams & Weld

**Water Source:** Beebe Seep Canal,  
Platte Valley Canal,  
O'Brian Canal

**Terms of Loan:** \$3,535,000 for 30 years @ 3.70%

**Substantial Completion:** April 1, 2013

**Design Engineer:** Ecological Resource Consultants, Inc

**Contractor:** TEZAK, Canon City, American West Construction, Denver

**Project Elements:** Milton Dam outlet works consist of: (2) new slide gates, new hydraulic operators, a new gate control house, SCADA system, and repair of a section of 44-inch steel-lined conduit. Milton Spillway work consists of: enlarging the spillway from 350 feet to 586 feet and lowering the spillway by 1.5 feet. Barr Spillway work consists of: increasing the current spillway from an informal low depression to a 185 feet wide and 700 feet long concrete spillway with riprap at the far downstream end.

## Ogilvy Augmentation Company AUGMENTATION PROJECT



### Project Description

The Ogilvy Augmentation Company was established in 2005 to augment wells that operate under the Ogilvy Irrigating and Land Company's service area. Approximately 1,400 acres of land are irrigated by the Company north of Kersey. There are 17 wells in the Augmentation Company that operate under its temporary substitute water supply plan (SWSP). The Project's purpose is to create a permanent water supply for the Augmentation Company to obtain a permanent augmentation plan. The Project included the purchase of water rights; construction of a recharge pond, and installation of monitoring devices. The Augmentation Company filed for its permanent augmentation plan and will construct a storage reservoir under a separate CWCB loan contract.

### Project Data

**Sponsor:** Ogilvy Augmentation Company

**County:** Weld

**Water Source:** Cache La Poudre

**Terms of Loan:** \$523,584 for 30 years @ 2.50%

**Substantial Completion:** April 1, 2013

**Design Engineer:** NoCo Engineering Inc., Loveland

**Contractor:** Four C Sons, Kersey

**Project Elements:** Purchased 6 shares of Greeley Irrigation Company stock; construction of a recharge pond; and installation of measurement structures and flow meters.

## Fort Morgan Reservoir and Irrigation Company GROVES PIPELINE PROJECT



### Project Description

The Project involved installing one 24" pipe from the South Platte River extending three miles to recharge ponds on Groves Farms' land; installing two pumps to pump water from the river through the pipeline; constructing seven recharge/augmentation ponds on Groves Farms' land. This system allows the Company to recapture and re-time the Company's excess augmentation credits that accrue to the South Platte River. Through the new pipeline, new junior diversions may be made and delivered to the new ponds. These junior diversions will produce augmentation credits that will accrue to the South Platte River and may be used immediately for augmentation or may be re-timed. The Company received a WSRA Grant of \$670,000 to offset the project cost.

### Project Data

**Sponsor:** Fort Morgan Reservoir & Irrigation Company

**County:** Morgan

**Water Source:** South Platte River

**Terms of Loan:** \$1,494,800 for 30 years @ 2.9%

**Substantial Completion:** May 1, 2013

**Design Engineer:** Civil Design Group, Greenwood Village CO

**Contractor:** Interstate Irrigation Company, Yuma CO

**Project Elements:** 3-miles of 20" PVC pipe, 275 ft of 30" PVC pipe, wet well and two 4,000 GPM pumps, electric power, and seven augmentation ponds.



**Fort Morgan Reservoir and Irrigation Company  
RIVER DIVERSION REHABILITATION PROJECT**



**Project Description**

The Project replaces portions of the river diversion structure with a 6ft tall and 100ft Obermeyer pneumatic spillway gate system. In addition, a 30ft long section of 5ft tall bladder replaced the current intake gates. The remaining diversion was left intact. The South Platte River diversion is critical to the Company's operations and delivers surface water to approximately 15,000 acres of irrigated land between Weldona and Brush, and provides water to a recharge and augmentation plan that provides augmentation water for approximately 90 irrigation wells.

**Project Data**

**Sponsor:** Fort Morgan Reservoir & Irrigation Company

**County:** Morgan

**Water Source:** South Platte River

**Terms of Loan:** \$1,308,960 for 30 years @ 1.85%

**Substantial Completion:** May 1, 2013

**Design Engineer:** Nation Engineering Services LLC, Fort Collins CO

**Contractor:** Ransom Boone Excavating, Fort Morgan CO

**Project Elements:** 6ft tall and 100ft Obermeyer pneumatic spillway gate system and a 5ft tall 30ft long bladder intake gate.

**Colorado Water Conservation Board**  
**Water Project Loan Program**  
**Project Design Construction Status Report**

July 3, 2013

Current Projects in Design or under Construction				Status Description/Update			
Borrower/Project		County	Loan Amount	Design Status	Construction Start/End	Status	PM
1	Bergen Ditch & Reservoir Company > Bergen Reservoir No. 2 Rehabilitation C150344	Jefferson	\$ 2,020,000	30%	2014 - 2015	0%	AM
2	Central CO WCD - WAS > Augmentation Water Supply Project C150337	Weld/ Adams/ Morgan	\$ 3,030,000	50%	Apr 13 - Apr 15	0%	AM
3	Colorado Parks & Wildlife > Beaver Park Reservoir Rehabilitation C150343	Rio Grande	\$ 10,000,000	80%	Summer '13 & Summer '14	0%	KR
4	Crystal Lakes Water and Sewer Association > Lower Lone Pine Lake Enlargement Project C150325	Larimer	\$ 2,363,400	80%	Apr 12 - Aug 14	0%	AM
5	Dillon, Town of > Old Dillon Reservoir Enlargement C150295	Summit	\$ 1,515,000.00	100%	Sep 10 - Jul 13	99%	KR
6	Eckhardt Farms Inc > Water Rights Purchase C150338	Weld	\$ 1,336,230.00	N/A	Jan 13 - Jan 17	0%	AM/ PM
7	Farmers' High Line Canal and Reservoir Company > System Rehabilitation Project C150314	Adams/ Jefferson	\$ 1,410,768.00	100%	Feb 11 - Feb 14	80%	KR
8	Fisher Ditch Company > Ditch Infrastructure Project C150319	Denver	\$ 454,500	100%	Nov 12 - Dec 13	20%	AM/ JH
9	Georgetown, Town of > Outlet Works Modification Project C150321	Clear Creek	\$ 2,976,975	50%	Jan 14 - Jul 14	0%	AM
10	Greeley Irrigation Company > Greeley Canal No. 3 Rehabilitation C150239	Wled	\$ 2,233,867.00	90%	Feb 08 - Jul 13	90%	KR
Bergen soliciting bids for engineering/geotech. Delay is to fill other reservoirs in order to drain Bergen #2.				Bergen soliciting bids for engineering/geotech. Delay is to fill other reservoirs in order to drain Bergen #2.			
Closed on a portion of the water rights on 4/25/13				Closed on a portion of the water rights on 4/25/13			
Phase 1 bid. Alsand Construction received Notice to Proceed. Wildfire in area a concern. Phase 2 design 60%. Const. expected 2014.				Phase 1 bid. Alsand Construction received Notice to Proceed. Wildfire in area a concern. Phase 2 design 60%. Const. expected 2014.			
SEO approved plans in June of 2013. Bid process is underway.				SEO approved plans in June of 2013. Bid process is underway.			
Construction is complete and accepted. SC expected in the Summer 2013				Construction is complete and accepted. SC expected in the Summer 2013			
The 1st of the 2 water rights purchases is expected to occur in mid 2013.				The 1st of the 2 water rights purchases is expected to occur in mid 2013.			
The Co. received a loan increase of nearly \$900K in November 2012. Siphons complete. Clear Creek diversion 50% complete will resume in fall 2013.				The Co. received a loan increase of nearly \$900K in November 2012. Siphons complete. Clear Creek diversion 50% complete will resume in fall 2013.			
The Broadway Pipeline task was completed December 2012. The Headgate Rehabilitation task is scheduled for 2013 construction pending permitting issues. Timing of the Sandout Gate Installation and Federal Piping are T.B.D.				The Broadway Pipeline task was completed December 2012. The Headgate Rehabilitation task is scheduled for 2013 construction pending permitting issues. Timing of the Sandout Gate Installation and Federal Piping are T.B.D.			
Final design is underway. Construction is expected to begin in the spring of 2014.				Final design is underway. Construction is expected to begin in the spring of 2014.			
Nearly complete. The Company is working on their SCADA system and the realignment and reshaping of various sections of existing channel.				Nearly complete. The Company is working on their SCADA system and the realignment and reshaping of various sections of existing channel.			

## Design and Construction Status Report

Current Projects in Design or under Construction				Loan		Construction		Status Description/Update
Borrower/Project		County	Amount	Status	Start/End	Status	PM	
11	Gypsum, Town of > LEDE Ditch and Reservoir Rrehabilitation C150296	Eagle	\$ 2,689,731.00	100%	Jul 13 - Jul 14	15%	KR	The Town received a WSRA grant for an enlargement of the Reservoir. The supply pipeline completed in Sept 2010. Permitting effort continues with construction expected in summer 2013. Wildlife mitigation plan to be approved.
12	Joseph W. Bowles Reservoir Company > Bowles No. 1 Dam Rehabilitation C150290	Jefferson	\$ 1,703,870.00	100%	Aug 10 - Jan 14	90%	KR/ JH	Dam construction project was completed in 2011. Ditch construction underway and to be complete fall 2013.
13	La Veta, Town of > La Veta Dam Rehabilitation C150329	Huerfano	\$ 372,690	100%	Oct 12 - Aug 13	99%	AM	Construction was accepted by the SEO. Contractor is finishing up final punchlist items. Substantial completion is expected in August 2013.
14	Lake Canal Reservoir Company > North Gray Reservoir Rehab Project C150299	Larimer/ Weld	\$ 116,625.00	20%	Sep 13 - Jan 14	0%	AM/ JH	The company is re-evaluating options for the reservoir site.
15	Left Hand Ditch Company > Allen Lake and Lake Isabelle Repair Project C150336	Boulder	\$ 1,157,157	75%	Nov 12 - Aug 13	50%	AM	Allen Lake repairs are scheduled for completion in Mid 2013. Additional headgate and outlet pipe lining work needed. Costs were offset by savings from a reduction in rip-rap and import materials. Lake Isabelle design is nearly complete.
16	Lower Latham Reservoir Company > Well Augmentation Project C150304	Weld	\$ 3,811,573.00	100%	Nov 09 - Jul 11	85%	KR	The Company has completed its water rights purchase and the construction of the augmentation ponds.LLRC obtained it's irrigation well augmentation decree and it will re-focus it's attention on the recharge facility work.
17	Mancos Water Conservancy District > Inlet and Outlet Canal Rehabilitation C150120	Montezuma	\$ 5,486,531.00	75%	Jan 04 - Jan 14	95%	KR	Rehabilitation of ditch system involving retaining walls and access road along the ditch was compited in 2009. Additional 1000ft of ditch lining under construction. To be completed in October 2013.
18	Monte Vista, City of > Augmentation Water Rights Acquisition C150309	Rio Grande	\$ 1,693,770.00	n/a	Oct 10 - Jul 13	50%	KR	The City purchased Anderson Ditch rights and will file a water court application to enable the use of those rights to replace depletions. Contracted with the San Luis Valley Irr. Dist. for storage space in the Rio Grande Res. City continues negotiations to purchase additional water.
19	Montezuma Valley Irrigation Company > May Lateral Pipeline C150251	Montezuma	\$ 5,292,400.00	100%	Nov 07 - Jul 12	99%	KR	AgriTech Consulting designed the improvments. Installation of the 5-mile pipeline was completed in 2012. SC expected in 2013
20	Montezuma Valley Irrigation Company > Lone Pine & May Pipeline Improvements C150333	Montezuma	\$ 339,600	100%	Jul 12 - Jul 13	75%	AM	The screen installation on the Lone Pine pipelinewas completed along with pressure reducing valves. Installation of solar panels is continuing.

## Design and Construction Status Report

Current Projects in Design or under Construction				Loan		Construction		Status Description/Update
Borrower/Project		County	Amount	Status	Start/End	Status	PM	
21	New Salida Ditch Company > Ditch Rehabilitation C150277	Chaffee	\$ 365,620.00	100%	Oct 09 - Dec 13	90%	KR	Most of constuction completed in 2009. Additional phases to be completed in 2013.
22	North Delta Irrigation Company > NDIC Tunnel Repair Project C150331	Delta	\$ 808,000	100%	Jan 12 - Dec 12	99%	KR	Construction of tunnel pipe was completed in the summer of 2012. Additional work is required in order to achieve adequate flows.
23	Ordway Feedyard, LLC > Raw Water Line Extension Project C150349	Crowley	\$ 2,525,000	100%	May 13 - Nov 13	50%	AM	Grant funds have been spent in full. Construction of pipeline is progressing with completion expected mid-summer 2013.
24	Overland Ditch and Reservoir Company > Overland Reservoir Rehabilitation C150206	Delta	\$ 1,130,000.00	50%	Permitting	0%	KR	Project on-hold until until fens can be addressed in enlarged reservoir area.
25	Owl Creek Reservoir Company > Owl Creek Reservoir Rehabilitation C150089	Weld	\$ 1,125,000.00	99%	On Hold	0%	TF	The Company received bids and does not have enough funds to complete the project. The Company has expended approximately \$450,000 to-date for permitting, soils, and design and will need an additional \$600,000 to complete the project. A project partner is being sought.
26	Penrose Water District > Water Rights Purchase and Pipeline Installation C150237	Fremont	\$ 8,844,570.00	80%	Oct 10 - July 14	50%	KR	Water rights purchased in 2005. Water court application filed in 2006. Brush Hollow Res. Closing in 2011. Ark river well field purchased in 2012. Final design underway. Construction fall 2013 thru 2014
27	Pisgah Reservoir and Ditch Company > Mount Pisgah Dam/Wrights Reservoir Rehab C150341	Teller	\$ 161,345	75%	Spring 14 - Jan 15	0%	KR	After SEO design review, scope of Project increased.
28	Platte Valley Irrigation Company > Equalizer Reservoir Project C150235	Weld	\$ 2,388,650.00	100%	Nov 10 - Jul 13	5%	KR	
29	Riverside Ditch and Allen Extension Company > Ditch System Rehabilitation C150301	Chaffee	\$ 186,345.00	85%	Jul 10 - Dec 13	80%	KR	Ditch lining phase of the project was completed in December 2010. Additional phases will be constructed in the fall 2013. Utilizing NRCS La Junta Fld office for design.
30	Riverside Reservoir and Land Company > Riverside Reservoir Spillway Enlargement C150291	Weld	\$ 2,838,100.00	80%	Sep 10 - Jan 15	0%	AM/ JH	The engineer is re-evaluating design options with support from the SEO.

## Design and Construction Status Report

Current Projects in Design or under Construction				Loan		Design		Construction		Status Description/Update
Borrower/Project		County	Amount	Status	Start/End	Status	PM			
31	Sanchez Ditch and Reservoir Company > Sanchez Reservoir Outlet Rehabilitation Project C150342	Costilla	\$ 1,128,776	20%	2014 - 2015	0%	AM	Project is in final design phase.		
32	Terrace Irrigation Co > Spillway Replacment Project C150332	Conejos	\$ 2,724,721	100%	Jul 12 - Jul 13	99%	KR	Construction by ASI Contractors is complete. ASI presented claim for \$700K additional work. Denied by TIC and URS. Minor concrete repair underway.		
33	Thunderbird W&S Dist > Lambert Ranch Water Rights Purchase C150320	Douglas	\$ 318,150.00	100%	N/A	0%	KR/ PM	Closing has been delayed until 2013 due to easement access to purchased wells.		
34	Tri-County Water Conservancy District > Ridgway Reservoir Micro Hydro Project C150324	Ouray/ Mont/ Delta	\$ 13,130,000	100%	Jul 12 - Dec 13	60%	KR	Construction is underway with energy production expected by October 2013. Project Bill funding now available to Dist.		
35	Twenty Two Road Lateral Company > Twenty Two Road Lateral Replacement Project C150344	Mesa	\$ 517,848	100%	Jan 13 - May 13	99%	KR	Construction complete. SC scheduled for mid 2014.		
36	Union Ditch Company > Well Augmentation Project C150127	Weid	\$ 312,595.00	75%	Sep 06 - Jan 14	80%	KR	One recharge pond at the Miller Feedlot Site was complited with an accompany diversion structure on the Union Ditch.		
37	Upper Arkansas Water Conservancy District > Reservoir Rehabilitation C150192	Chaffe/ Custer	\$ 3,520,000.00	100%	Jun 05 - Jan 14	90%	KR	The project requires Forest Service special use permit and an environmental assessment prior to construction. The initial phase of construction was awarded to ASI, Buena Vista, CO, and completed in May 2007. The enlargement effort is delayed due to NEPA permitting		

Projects Under Contract SubTotal = \$ 92,029,407



## Design and Construction Status Report

Current Projects in Design or under Construction			Loan		Design		Construction		Status Description/Update
Borrower/Project			County	Amount	Status	Start/End	Status	PM	
Projects Not Under Contract									
a	Southeastern CO Water Conserv. District > Arkansas Valley Conduit		Crowley	\$ 60,600,000	In Contracting			KR	Pending Federal Appropriation
b	Lake Durango Water Authority > Source Water Supply Project C150317		LaPlatta	\$ 2,525,000	In Contracting			KR	A condition of contract approval is to have an agreement in place for use of the Outlet Tower in Lake Nighthorse
c	McDonald Ditch Company > Ditch Diversion and Headgate Replacement C150334		Rio Grande	\$ 70,700	In Contracting			AM/ JH	Increased loan amount and collateral change must return to for approval in Sept 2013.
d	Town of Ridgway > Lake Otonowanda Rehabilitation Project C150340		Ouray	\$ 606,000	In Contracting			KR	
e	Roxborough Water & Sanitation Dist. > Raw Water Supply Project C1503346		Douglas	\$ 18,538,550	In Contracting			AM	Project Bill (SB-181) approved.
f	Greeley, City of > High Park Fire Restoration Project C150347		Larmier	\$ 2,020,000	In Contracting			KR/ JH	
g	San Luis Valley Water Conservancy District > Anaconda Ditch Water Right Acquisition C150348		Alamosa	\$ 839,000	In Contracting			AM	
i	Santa Maria Reservoir Company > Siphon and Canal System Rehabilitation Project C150350		Hinsdale/ Mineral	\$ 1,405,163	In Contracting			AM	
j	Missouri Heights - Mountain Meadows Irrigation Company > Irrigation Ditch lining Project C150351		Eagle/ Garfield	\$ 454,500	In Contracting			KR	
k	Boxelder Basin Regional Stormwater Authority > Larimer and Weld Canal Crossing Structure Project C150352		Larmier/ Weld	\$ 1,010,000	In Contracting			AM	

Design and Construction Status Report

Current Projects in Design or under Construction				Loan		Design		Construction		Status Description/Update
	Borrower/Project	County	Amount	Status	Start/End	Status	PM			
I	Boxelder Basin Regional Stormwater Authority > East Side Detention Facility Project C150353	Larmier/ Weld	\$ 7,171,000	In Contracting		AM				
m	Grand Mesa Water Conservancy District > Peak Res. & Blanche Park Res. Rehabilitation C150354	Delta	\$ 227,250	In Contracting		AM				
n	Two Rivers Water & Farming Company > Arkansas Storage Facility C150355	Huerfano/ Cucharas	\$ 9,999,000	In Contracting		AM				

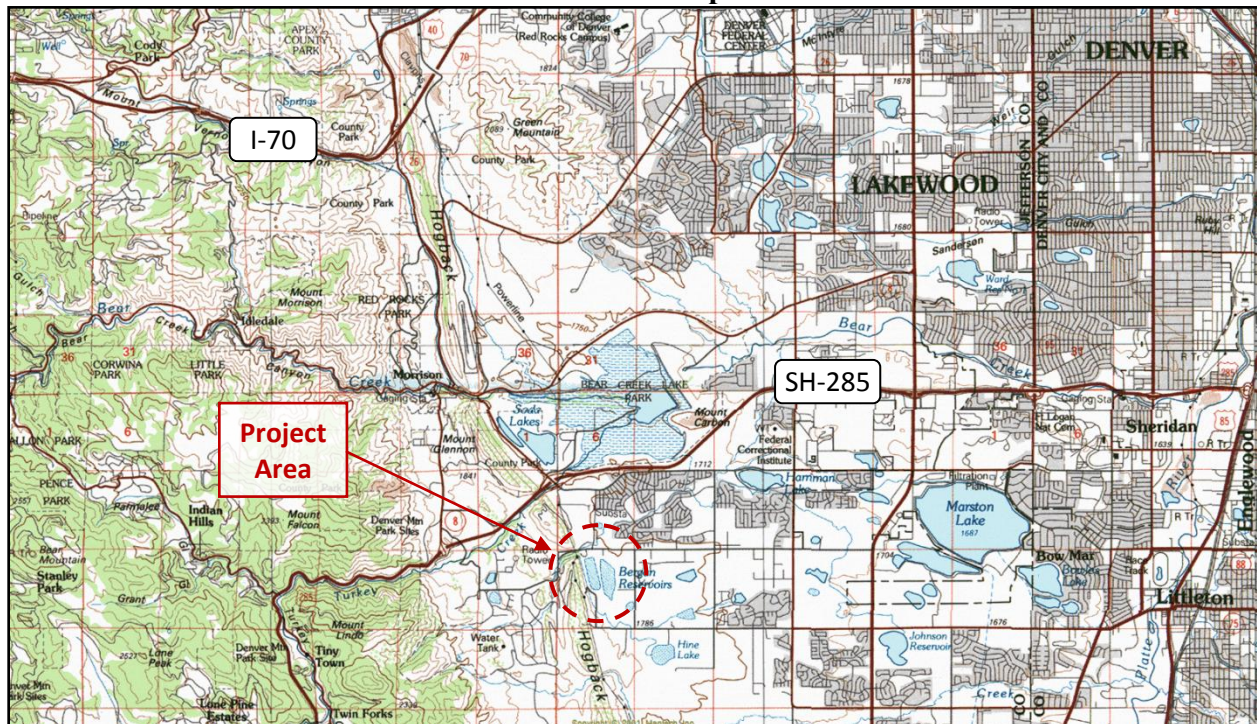
Not Under Contract SubTotal = \$ 105,466,163  
Grand Total = \$ 197,495,570

### Water Project Loan Program – Project Data Sheet

<b>Borrower:</b>	Bergen Ditch & Reservoir Company	<b>County:</b>	Jefferson
<b>Project Name:</b>	Bergen Reservoir No. 2 Rehabilitation	<b>Project Type:</b>	Dam Rehabilitation
<b>Drainage Basin:</b>	South Platte, District 9	<b>Water Source:</b>	Turkey Creek
<b>Total Project Cost:</b>	\$2,225,000	<b>Funding Source:</b>	Construction Fund
<b>Type of Borrower:</b>	Blended - (64% high-income muni, 36% middle-income muni)	<b>Avg. Annual Diversion:</b>	800 AF
<b>CWCB Loan:</b>	\$2,020,000 (w/ 1% service fee)	<b>Interest Rate:</b>	3.15%
		<b>Term:</b>	30 years

The Bergen Ditch and Reservoir Company utilizes Bergen Ditch to divert water off Turkey Creek and deliver it to shareholders through a series of open and piped ditches, reservoirs, pumps and pipelines. The Company owns three reservoirs, Bergen No.1, Bergen No. 2 and Polly Deane. Bergen No. 2 was originally constructed in 1874. The dam has an ongoing history of slumping and seepage issues. In 2007 the dam's outlet works were damaged and temporary repairs were made in 2009. Ongoing SEO inspection reports have monitored seepage, stability, erosion and outlet concerns over recent years. Following the latest inspection report the SEO verbally recommended the Company consider rehabilitation of the dam or face the possibility of a storage level restriction. This project consists of full replacement of the outlet works and rehabilitation of the dam.

#### Location Map

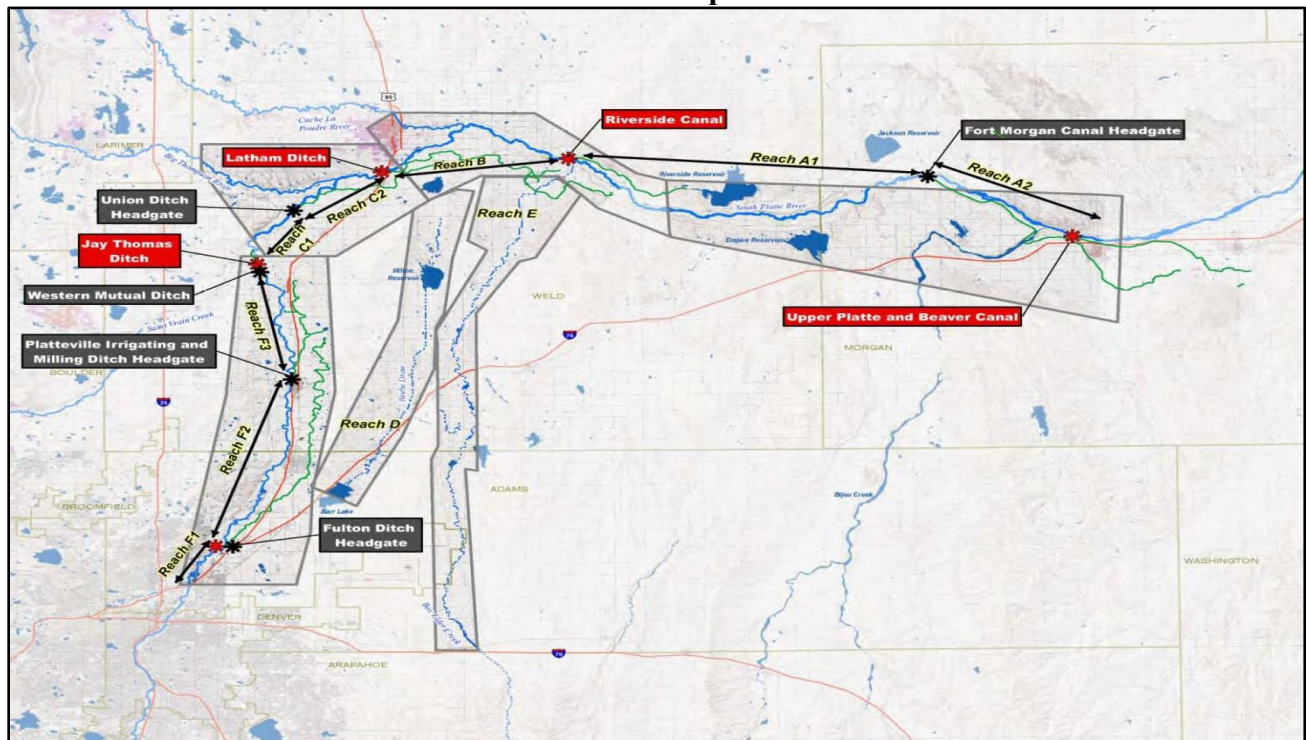


### Water Project Loan Program – Project Data Sheet

<b>Borrower:</b>	Well Augmentation System of the Central Colorado Water Conservancy District	<b>County:</b>	Weld, Adams, Morgan		
<b>Project Name:</b>	Water Rights Purchase & Gravel Pit Storage Project	<b>Project Type:</b>	Water Rights Purchase & Augmentation Facility		
<b>Drainage Basin:</b>	South Platte	<b>Water Source:</b>	South Platte Basin		
<b>Total Project Cost:</b>	\$3,333,400	<b>Funding Source:</b>	Construction Fund		
<b>Type of Borrower:</b>	Agricultural	<b>Annual Depletions Covered:</b>	20,400 AF		
<b>CWCB Loan:</b>	\$3,030,000 (w/ 1% service fee)	<b>Interest Rate:</b>	1.75%	<b>Term:</b>	30 years

The Well Augmentation Subdistrict (WAS) of the Central Colorado Water Conservancy District is located in Adams, Weld, and Morgan counties. WAS is a special district created by the Weld County District Court on January 8, 2004, pursuant to the applicable provisions of the “Water Conservancy Act”, Section 37-45-101, C.R.S. It has the power to acquire and sell water rights, construct and operate facilities, exercise eminent domain, levy taxes, and contract with other agencies. WAS has operated an augmentation plan since 2004, covering approximately 78 square miles and 214 predominantly agricultural member wells. WAS has an average annual depletion of 20,400. WAS has requested a loan for purchasing more water and storage rights to enable WAS to issue a pumping quota to member wells for the first time since 2006. The WAS General Fund will cover the remaining project expenses.

**Location Map**

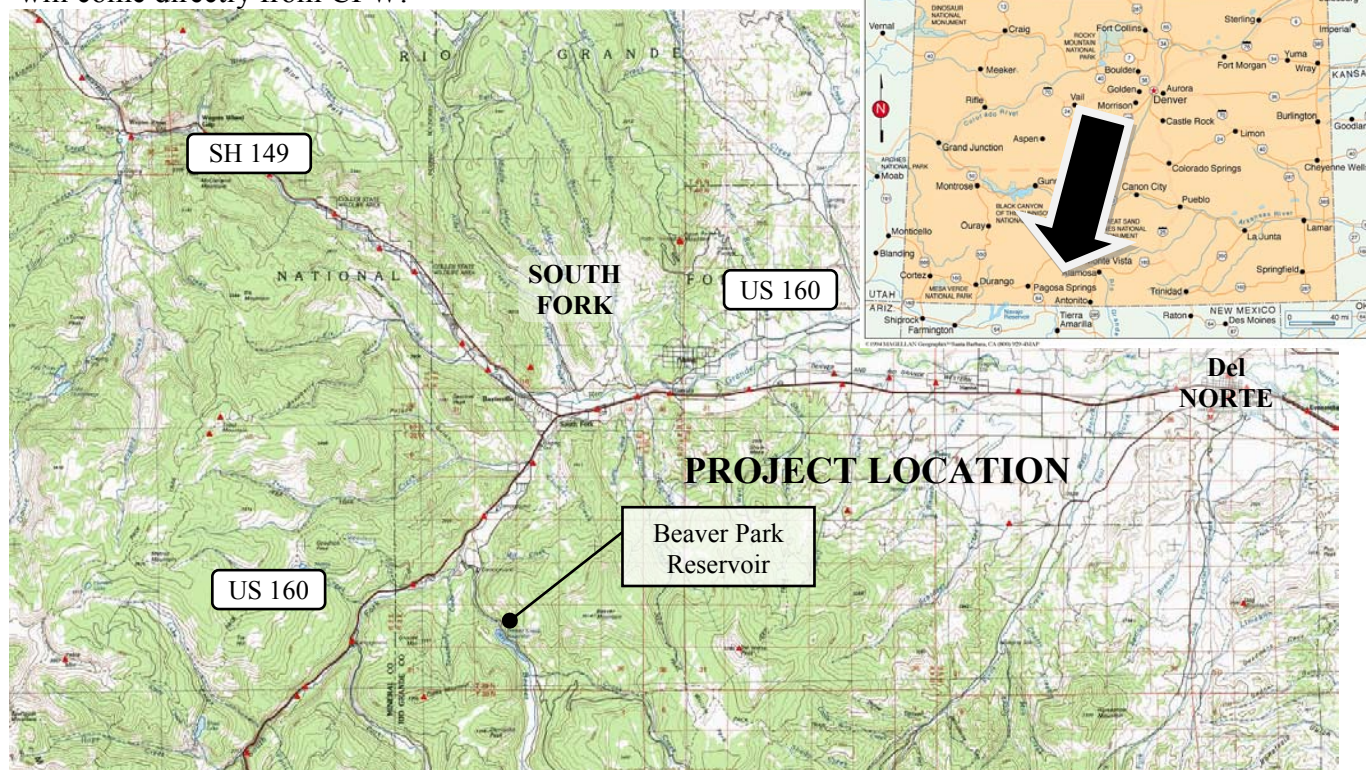




# CWCB Water Project Loan Program Project Data Sheet

**Borrower:** Colorado Parks and Wildlife**County:** Rio Grande**Project Name:** Beaver Park Dam**Project Type:** Reservoir Rehabilitation**Drainage Basin:** Rio Grande Basin**Water Source:** Beaver Creek**Total Project Cost:** \$15,939,606**Funding Source:** Construction Fund**Type of Borrower:** State Agency**Average Annual Diversion:** 4,434 AF**Restricted Capacity Reclaimed:** 2,201 AF**CWCB Loan:** \$10,000,000**Interest Rate:** 0% **Term:** 30-year

Colorado Division of Parks and Wildlife (CPW) is applying for a loan for the Beaver Park Dam Rehabilitation Project (Project). Beaver Park Reservoir (Reservoir) was originally constructed in 1914 and provides for general recreation, fishing, and water storage. In 2010, a sinkhole along the left abutment was observed by the State Engineer's Office (SEO), which resulted in the SEO placing a 20 foot fill restriction on the Reservoir. The restriction resulted in the Reservoir's capacity being reduced from 4,758 to 2,557 acre-feet. To remove the restriction, CPW intends to construct a downstream filter/drain system, an upstream high density liner, and a spillway chute. The total Project cost for the alternative selected is \$15,939,606. The General Assembly authorized CPW for a \$10,000,000 loan, at a 0% interest rate, through the 2012 Projects Bill (SB12S-002) to assist in constructing the Project, contingent upon final loan approval by the Colorado Water Conservation Board (CWCB). The remaining funds to construct the Project will come directly from CPW.



## Water Project Loan Program – Project Data Sheet

**Borrower:** Crystal Lakes Water and Sewer Association

**County:** Larimer

**Project Name:** Lower Lone Pine Reservoir Enlargement

**Project Type:** Reservoir Enlargement

**Drainage Basin:** South Platte, District 1

**Water Source:** North Lone Pine Creek  
(tributary to Cache la Poudre River)

**Total Project Cost:** \$2,600,000

**Funding Source:** Construction Fund

**Type of Borrower:** Lower-Income Municipal

**Avg. Annual Diversion:** 271 AF

**CWCB Loan:** \$2,363,400 (w/ 1% service fee)

**Interest Rate:** 4.00% **Term:** 30 years

The Crystal Lakes Water and Sewer Association (Association) is requesting a loan to enlarge Lower Lone Pine Lake Reservoir from 10.5 AF to 100.5 AF. The enlargement will be used to store Upper Lone Pine Reservoir (no yet constructed) water rights in Lower Lone Pine Reservoir for the purpose of augmentation of well water consumption for residences of Crystal Lakes. The Crystal Lakes subdivision, a private community located in Larimer County, was established in 1969 and includes 1,656 lots distributed over 4,800 acres. More than 800 residences are currently served by the Association. The decreed augmentation plan specifically links the allowable use of water to the amount of augmentation water held in storage. Without increased storage capacity the community is likely to face routine water restriction. No change in use of the Upper Lone Pine Reservoir rights has been requested, only an alternate place of storage.

### Location Map





## CWCBC Construction Loan Program Project Data Sheet

**Borrower:** Town of Dillon

**County:** Summit

**Project Name:** Old Dillon Reservoir Enlargement **Project Type:** Reservoir Enlargement

**Drainage Basin:** Colorado River

**Water Source:** Salt Lick Gulch

**Total Project Cost: \$6,315,000 Total Cost**  
**\$1,667,000 Town's Portion**

### Funding Sources: Construction Fund

**Type of Borrower:** Municipal Middle Income

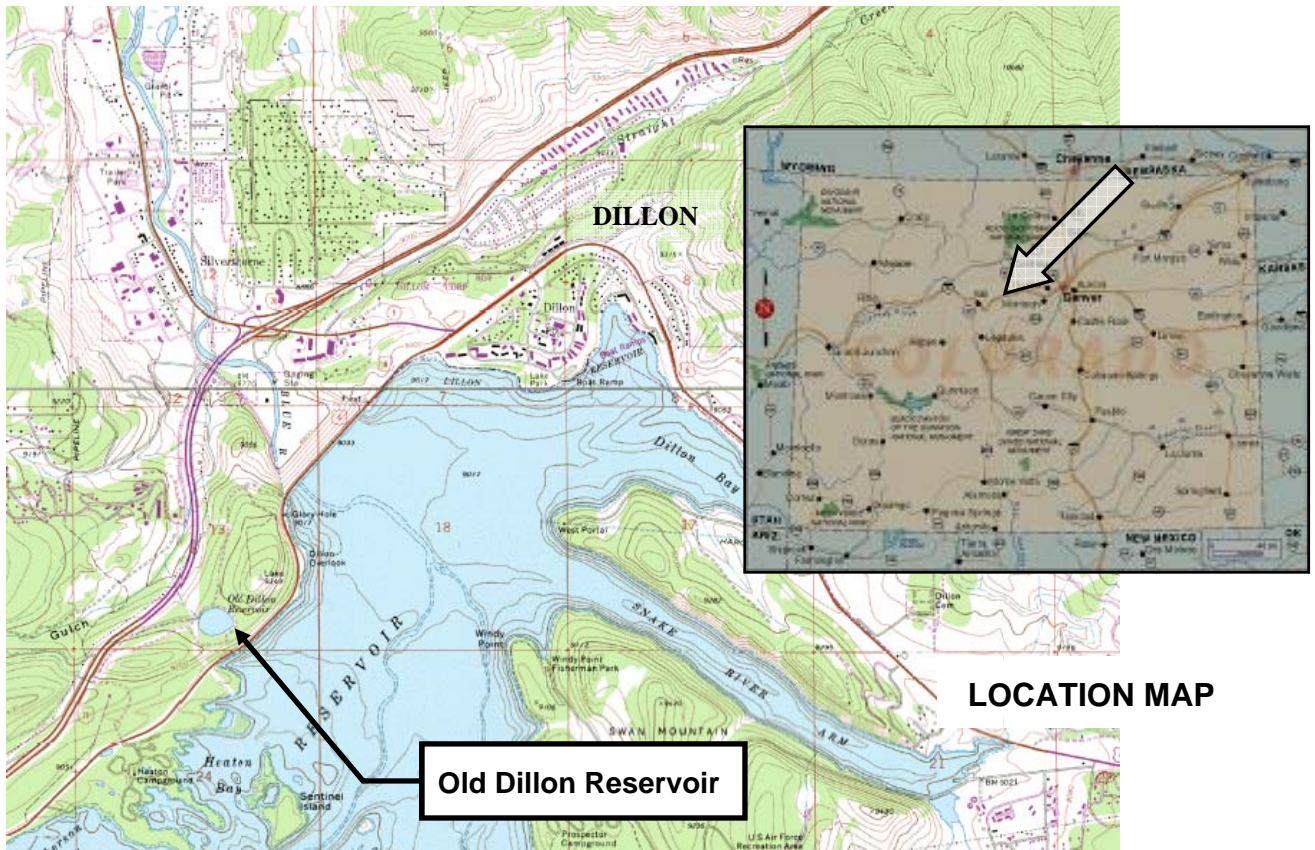
**Average Delivery: 321 AF**

**New Storage:** 109 AF (Restricted + New)

**Loan Amount:** \$1,515,000 (Including 1% fee)

**Interest Rate: 4.0%**      **Term: 30 years**

The Town of Dillon is applying for a loan to participate in the enlargement of the Old Dillon Reservoir. In 2004, the Town, Summit County and Town of Silverthorne signed an agreement to enlarge the reservoir. The Town's participation cost is approximately 27% of the construction costs and 20% of the Engineering costs. The Town and the County initiated a feasibility study in 1995. The Reservoir was originally constructed as a 46 AF raw water storage reservoir filled via the Dillon Ditch, which diverts from Salt Lick Gulch. The Reservoir site is southwest of the Dillon Reservoir Dam. In the summer of 2008, the SEO issued an order to drain the Reservoir due to concerns over the integrity of the north dam. The Reservoir is currently not available for storage. Permitting is underway and construction of the enlargement is scheduled to occur in 2010.



## LOCATION MAP

# **CWCB Water Project Loan Program Project Data Sheet**

**Borrower:** Eckhardt Farms Inc.

**County:** Weld

**Project Name:** Water Rights Purchase

**Project Type:** Water Rights Purchase

**Basin:** South Platte **District:** 1

**Water Source:** Western Mutual Ditch

**Total Project Cost:** \$1,470,000

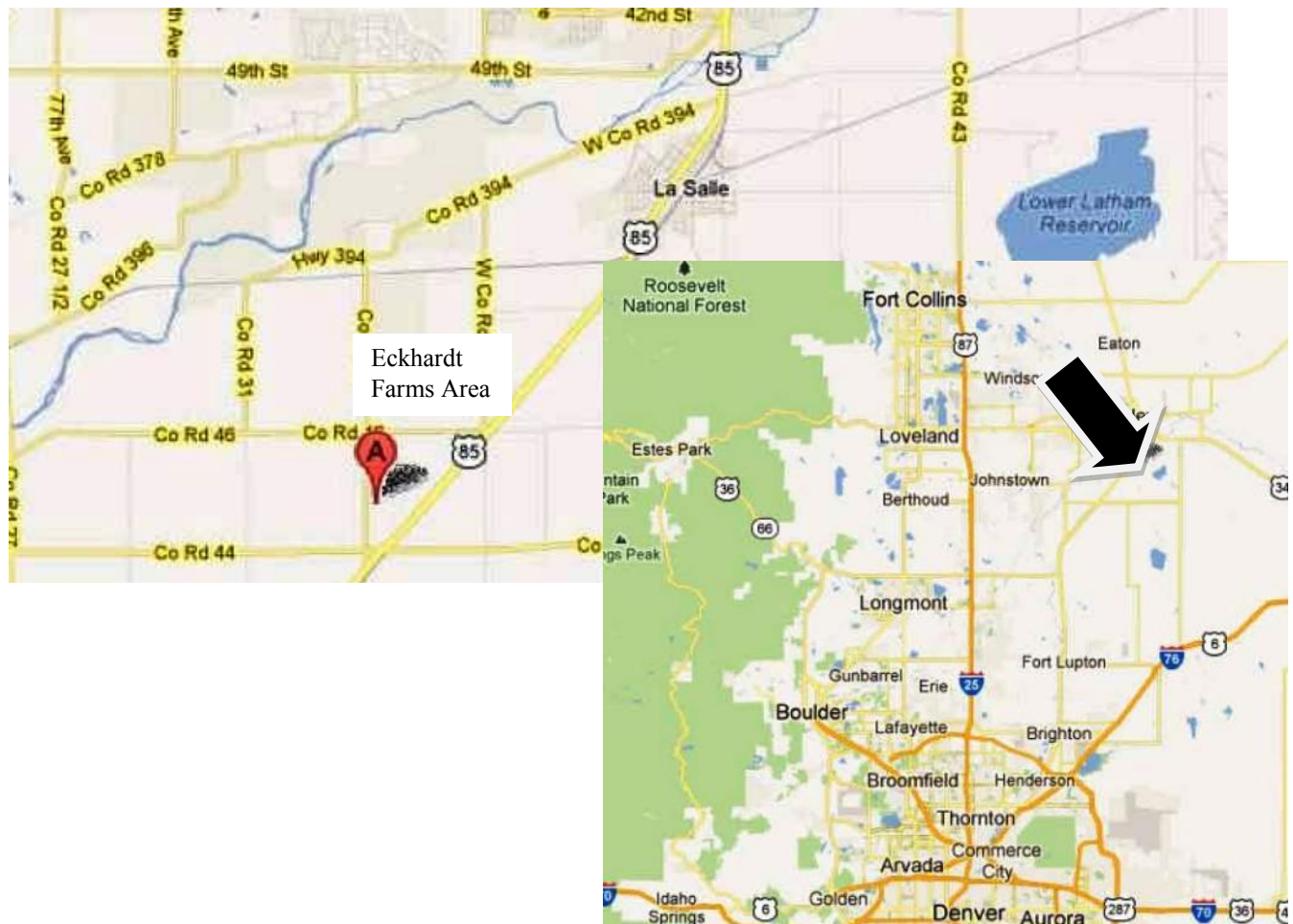
**Funding Source:** Construction Fund

**Type of Borrower:** Agricultural

**Average Annual Diversion:** 694 AF

**CWCB Loan:** \$1,336,230 (w/ 1% service fee) **Interest Rate:** 1.75% **Term:** 30-years

Eckhardt Farms Inc. is located in Weld County near LaSalle, Colorado. The farming Corporation has been incorporated since 1993. It farms 3,000 acres and generates revenues from crops of hay, wheat, corn, sugar beets, onions, and pinto beans. In the past, the Corporation was able to irrigate with well water. The wells it used are part of Central Colorado Water Conservancy District's – Well Augmentation Subdistrict and have not been able to be pumped since 2005. Since that time the Corporation has been leasing shares in the Western Mutual Ditch Company. Through this loan, the Corporation intends to purchase the water it has been leasing for the past seven years and continue to use it for agricultural production.





**CWCB Water Project Loan Program  
Project Data Sheet**

**Borrower:** Farmers' High Line Canal and Reservoir Company

**County:** Adams/Jefferson

**Project Name:** System Rehabilitation

**Project Type:** Ditch Rehabilitation

**Drainage Basin/District:** South Platte / 7

**Water Source:** Clear Creek

**Total Project Cost:** \$2,430,000

**Funding Source:** Construction Fund

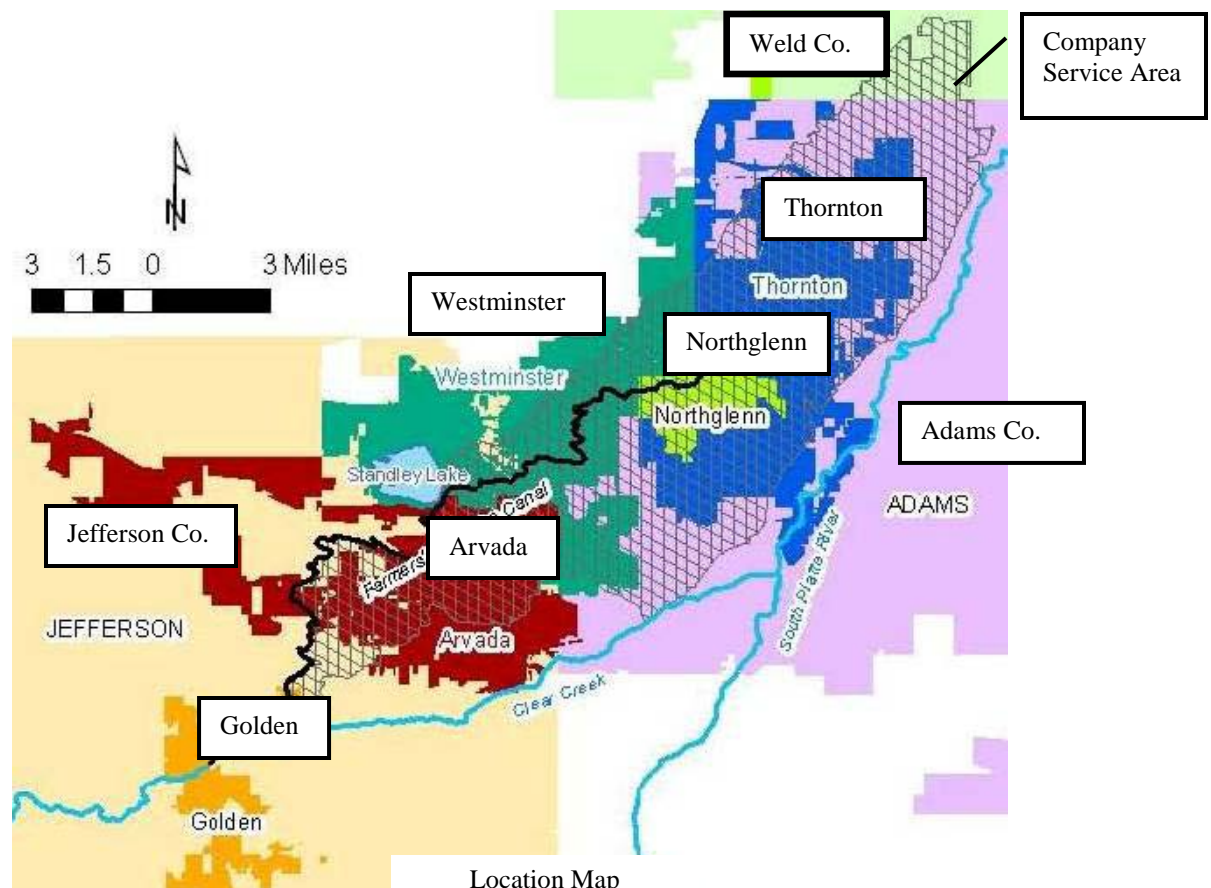
**Type of Borrower:** Municipal

**Water Delivery:** 24,000 AF/yr

**CWCB Loan:** \$2,209,597 (incl. 1% loan fee)

**Interest Rate:** 4.65%    **Term:** 30 years  
(Blended rate)

The Farmers High Line Canal and Reservoir Company (Company) is a ditch company that was established in 1885. It diverts water off of clear creek and it delivers water through a 31 mile canal running from Golden to Northglenn, through Arvada and Westminster. The Company has completed a canal evaluation and engineering planning study and identified a list of improvements it intends to do with the CWCB loan proceeds. These items include: replacement of corroded drain pipes, replacement of three siphons, headgate rehabilitation, SCADA control system installation at the headgate, diversion dam rehabilitation, and tree removal along the ditch. This work is expected to be completed between the fall of 2010 through the winter of 2014.



Location Map

## Water Project Loan Program – Project Data Sheet

**Borrower:** Fisher Ditch Company

**County:** Denver

**Project Name:** Ditch Infrastructure Improvements

**Project Type:** System Rehabilitation

**Drainage Basin:** South Platte, District 7

**Water Source:** Clear Creek

**Total Project Cost:** \$500,000

**Funding Source:** Construction Fund

**Type of Borrower:** Blended  
(middle-income muni, high-income muni, commercial)

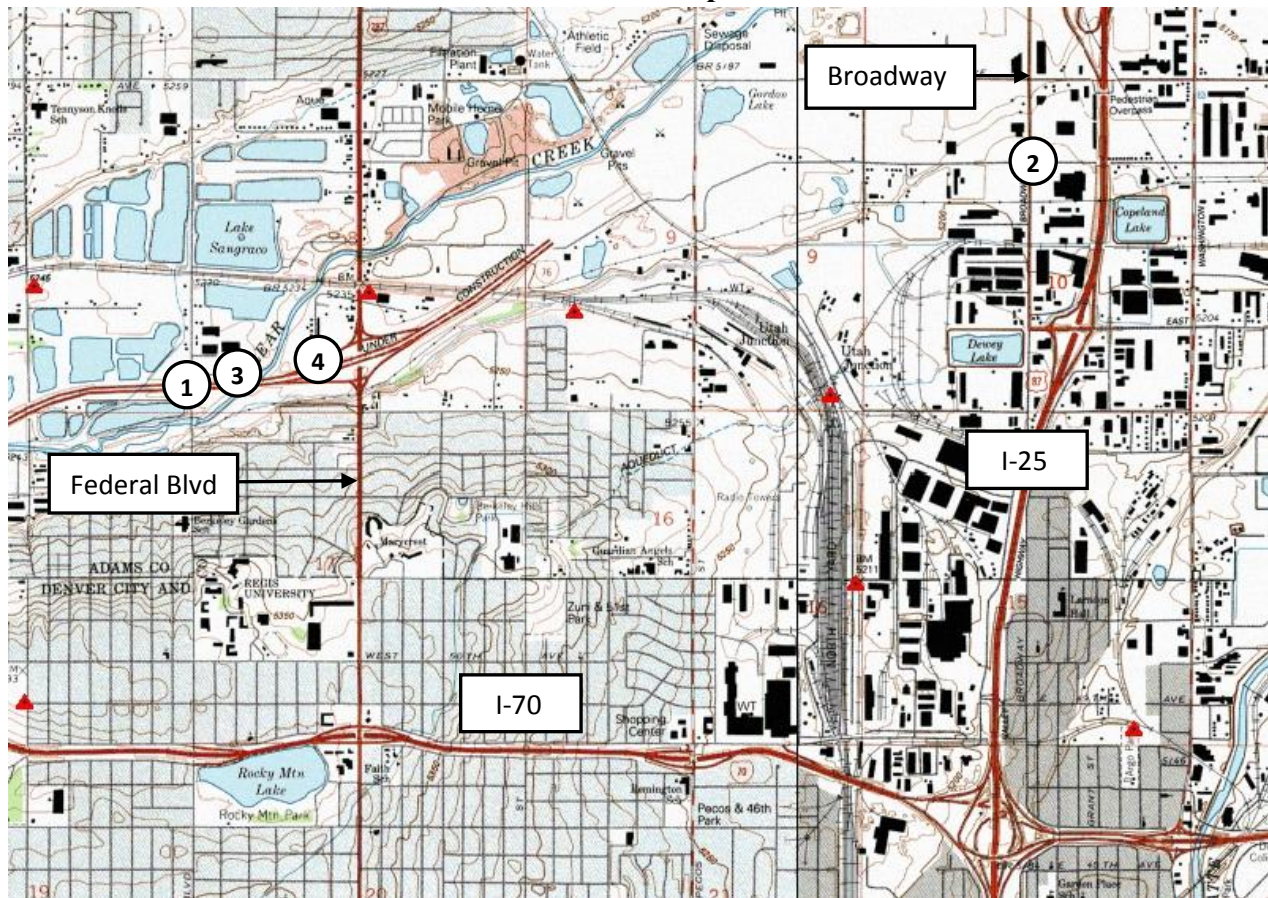
**Avg. Annual Diversion:** 7,623 AF

**CWCB Loan:** \$454,500 (w/ 1% service fee)

**Interest Rate:** 5.95% **Term:** 30 years

The Fisher Ditch Company (Company) utilizes the Fisher Ditch to supply water to its 28 shareholders for the purpose of irrigation, augmentation and industrial uses. The ditch has been in place for over 100 years and annual maintenance of its aging infrastructure is becoming a burden and inhibiting its ability to provide a reliable supply of water. The Company is requesting a loan from the CWCB for four system rehabilitation tasks: 1) headgate rehabilitation, 2) replacement of 650 LF of damaged CMP with RCP, 3) installation of a sand-out pipe and gate, and 4) burying 1,500 LF of open ditch with plastic irrigation pipe. This Project will restore reliable water deliveries while reducing annual maintenance costs.

### Location Map





**CWCB Water Project Loan Program  
Project Data Sheet**

**Borrower:** Town of Georgetown  
(Water and Sewer Enterprise)

**County:** Clear Creek County

**Project Name:** Outlet Works Modification Project **Project Type:** Dam Rehabilitation

**Drainage Basin/District:** South Platte / 7

**Water Source:** Clear Creek

**Total Project Cost:** \$3,275,000

**Funding Source:** Construction Fund

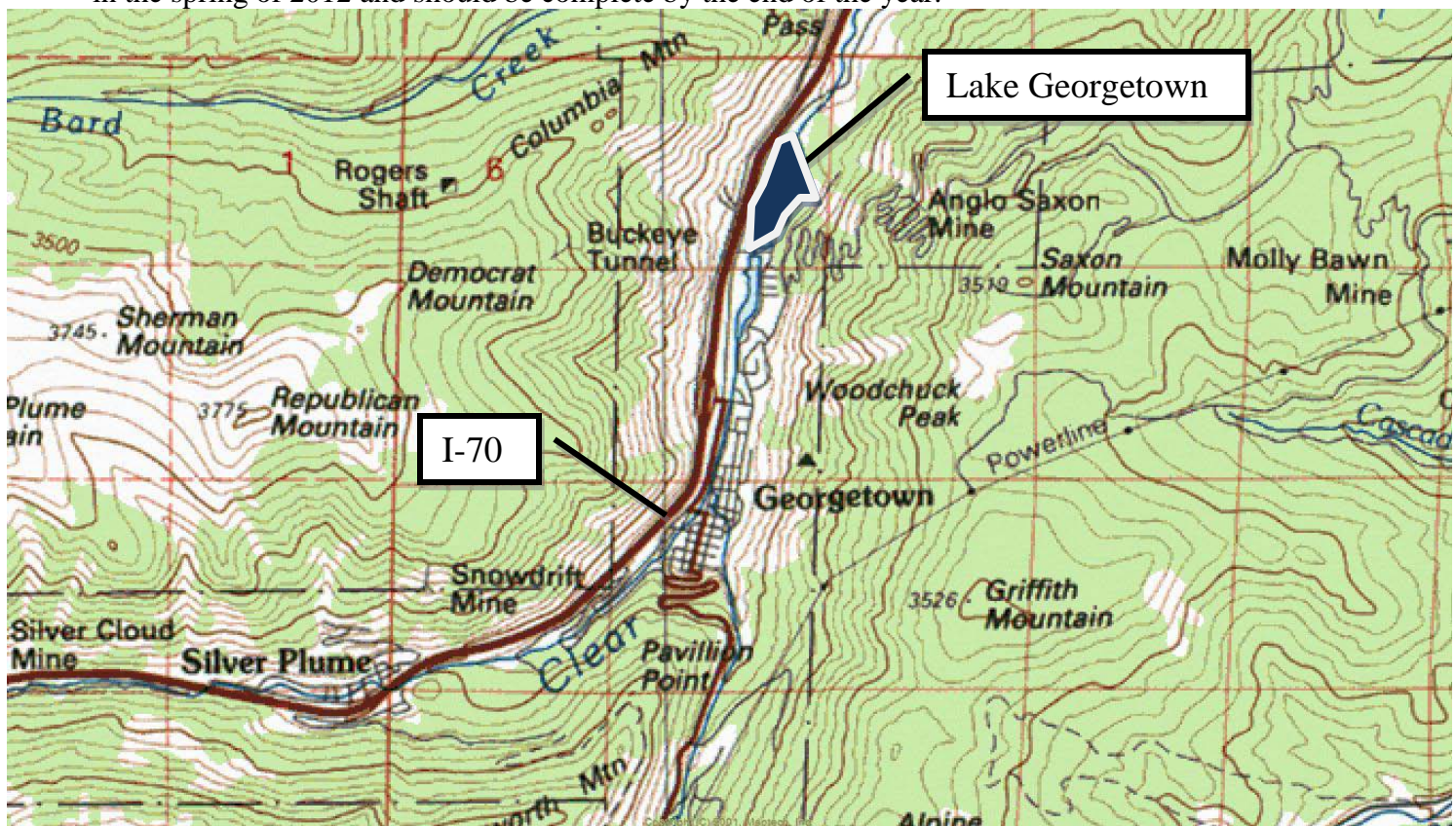
**Type of Borrower:** Middle-Income Municipal

**Average Diversion:** 208 AF

**CWCB Loan:** \$2,976,975 (w/ 1% service fee)

**Interest Rate:** 4.5% **Term:** 30 years

The Town of Georgetown is located on Clear Creek, along the I70 corridor, east of the continental divide. The Town needs to increase the outlet works capacity at Georgetown Lake Dam. The outlet works currently can release up to 260 cfs. In order to comply with an October 2010 court order regarding Georgetown Lake operations, up to 500 cfs must be released so the Town can meet the terms of its augmentation plan. The CWCB loan will be used to pay for the engineering costs and for the construction costs associated with the outlet works project. Construction is expected to begin in the spring of 2012 and should be complete by the end of the year.



## Water Project Construction Loan Program - Project Data

**Borrower:** Greeley Irrigation Company

**County:** Weld

**Project Name:** Greeley Canal No. 3

**Project Type:** Ditch Rehabilitation

**Drainage Basin:** South Platte

**Water Source:** Cache La Poudre River

**Total Project Cost:** \$2,457,500

**Funding Sources:** CWCB, GIC

**Type of Borrower:** Agricultural/Municipal

**Aver. Delivery:** 18,000 acre-feet

**CWCB Construction Fund Loan:** \$2,233,867  
(incl. 1% loan fee)

**Interest Rate:** 2.85%    **Term:** 30 years

GIC provides irrigation water to a service area of 2,367 acres in Weld County, generally within the City of Greeley and east of the City. GIC operates the Greeley Canal No. 3, constructed in 1870 by the Union Colony. In 1875, the Union Colony deeded an undivided 3/8ths interest in the Canal to the then Town of Greeley. In 1882, the GIC was incorporated and the Union Colony quit-claimed its remaining 5/8ths interest in the Canal to GIC. About 1,100 acres of the 3,500 original irrigated acres have been subject to dry-up, and water converted to augmentation use. Present canal usage is roughly 1/3 City of Greeley, 1/3 agricultural irrigation, and 1/3 augmentation. GIC facilities consist of a river diversion structure, approximately 13 miles of earthen canal, check structures, delivery headgates, spill structures, trash screens, and other minor structures. A portion of these facilities are in need of repair, upgrades, or replacement. GIC diverts water from the Cache la Poudre River west of Greeley and the canal terminates east of approx. 12 miles downstream. Average annual headgate diversions are 18,678 acre-feet. GIC also receives about 1300-1400 acre feet annually from Fossil Creek Reservoir. Combined delivery from direct flow diversions and storage is about 18,000 AF. The GIC Board is undertaking a number of phased improvements to the canal including: 1) repairs to, and partial replacement of, the river diversion; 2) piping or lining of portions of the canal; 3) consideration of canal automation using supervisory control and data acquisition (SCADA) equipment; 4) tree removal and tree pruning; 5) canal realignment, reshaping, and straightening; and 6) removal or repair of selected headgates and installation of new headgates. This is the first step of a phased canal modernization, that would have the effect of improving overall canal operations and operational efficiency; increasing consistency of shareholder headgate deliveries; decreasing operational liabilities; and reducing unnecessary operational spills.





## CWCB Construction Loan Program Project Data Sheet

**Borrower:** Town of Gypsum

**County:** Eagle

**Project Name:** LEDE Ditch & Reservoir  
Upgrade Project

**Project Type:** Reservoir Rehabilitation

**Drainage Basin:** Colorado River

**Water Source:** Gypsum Creek

**Total Project Cost:** \$3,162,000

**Funding Sources:** Construction Fund

**Type of Borrower:** High Income Municipal

**Average Delivery:** 1,200 AF

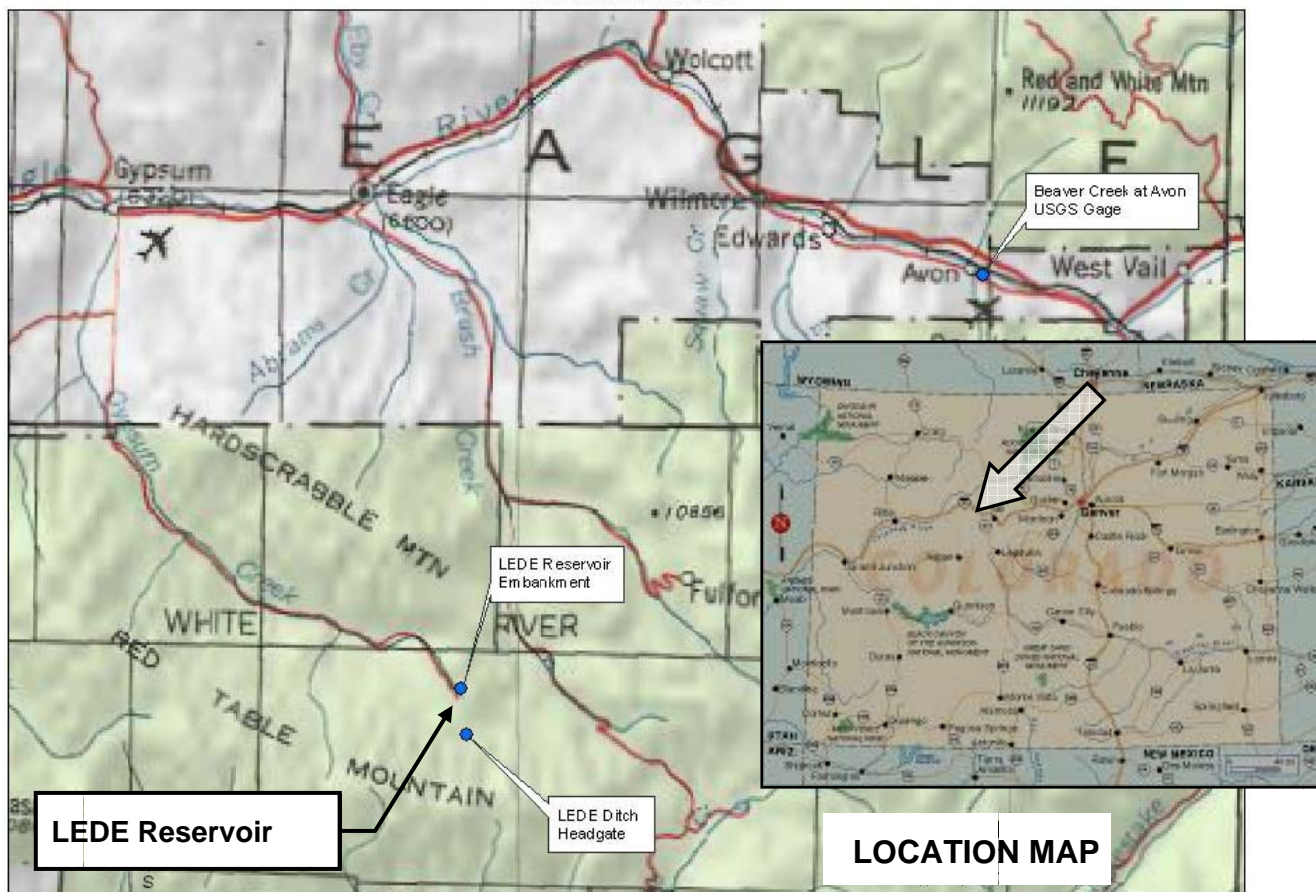
**New Storage:** 254 AF

**Loan Amount:** \$2,689,731 (Including 1% fee)

**Interest Rate:** 4.5%      **Term:** 30 years

The Town of Gypsum purchased the LEDE Ditch and LEDE Reservoir water rights in 2006. The original water rights are decreed for irrigation uses, and provide storage for up to 947 AF in the reservoir. The Reservoir was built to a capacity of 431 AF. The Town seeks to increase capacity to 685 AF in order to accommodate continued agricultural irrigation, and for future water supplies to the Town. This upstream storage is required to assist in managing Gypsum Creek water rights calls and dry year operations. The reservoir storage will become even more important as the Town's population continues to increase. The Town wishes to repair and improve the reservoir to utilize its potential, and to protect valuable senior storage rights in the reservoir. The reservoir is located in the headwaters of Gypsum Creek, south of Gypsum within the White River National Forest. Design and permitting is expected to occur in 2009/2010 with pipeline construction starting in late 2009 and dam construction starting in 2011.

General Locations



## CWCB Construction Loan Program Project Data Sheet

**Borrower:** Joseph W. Bowles Reservoir Company **County:** Jefferson

**Project Name:** Bowles Reservoir No. 1 Dam Rehab **Project Type:** Reservoir Rehabilitation

**Drainage Basin:** South Platte

**Water Source:** Bear Creek

**Total Project Cost:** \$1,874,000

**Funding Sources:** Construction Fund

**Type of Borrower:** Blended Ag & Municipal  
& Commercial

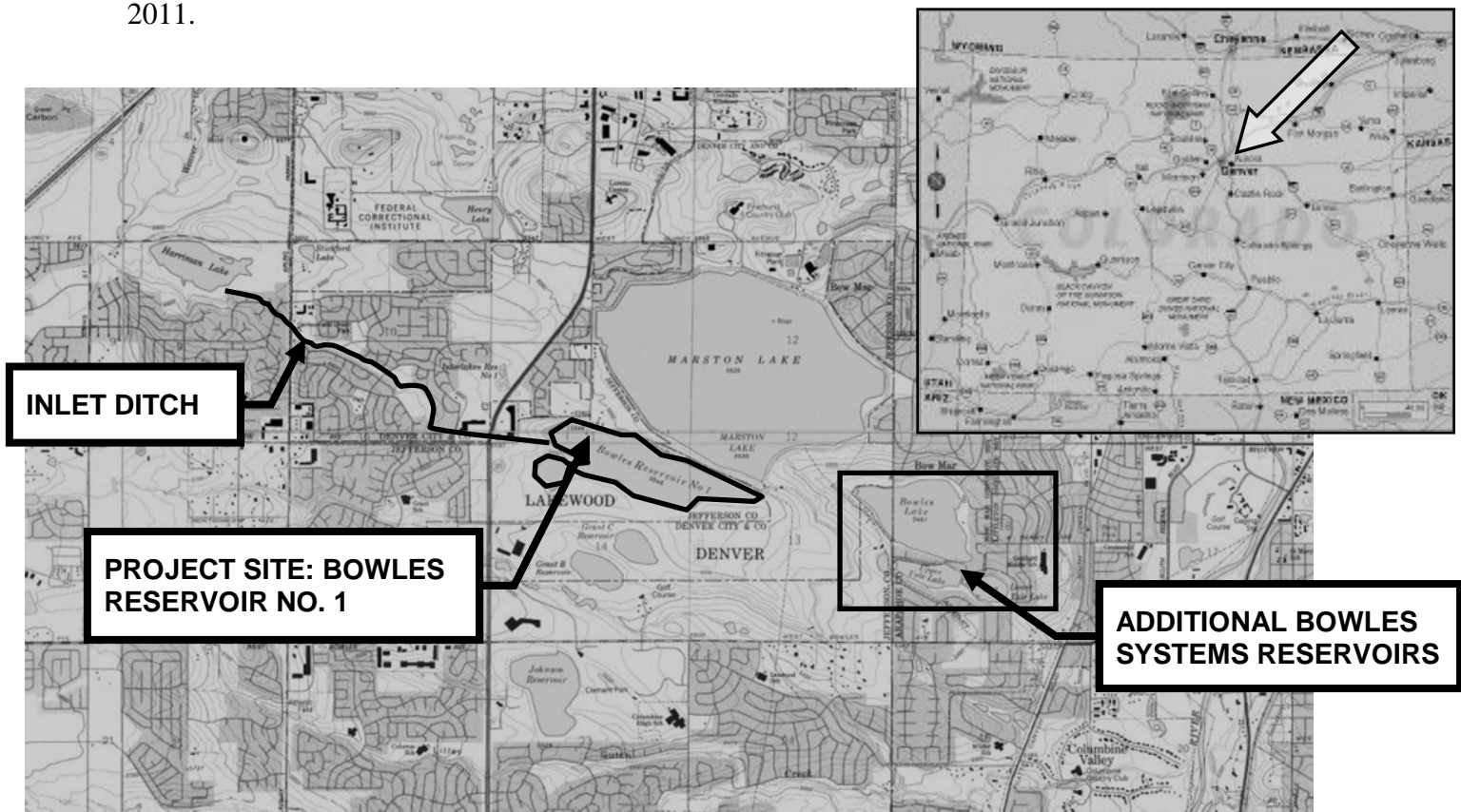
**Average Delivery:** 900 AF

**Loan Amount:** \$1,703,870 (Including 1% fee)

**Interest Rate:** 4.65%

**Term:** 30 years

The Joseph W. Bowles Reservoir Company (Company) owns and operates Bowles No. 1 Reservoir, located in the southwest metropolitan area of Denver. The Company was formed in 1906 and currently has 50 shareholders who use the water for golf courses, parks, open space, and some individual ranches for irrigation water. The Company is applying for a loan to implement several repairs to correct dam-safety deficiencies and improve the long-term performance of Bowles No. 1 Dam and to rehabilitate the deteriorating reservoir inlet ditch. The dam rehabilitation includes widening the crest, reconstructing the upstream slope, and installing a seepage collection and toe drain system on the downstream slope. Work on the inlet ditch includes removing trees, reconstructing the ditch cross section and alignment, placing slope protection in high erosion areas, and installing a flow control pipe that will provide for discharge of excessive ditch flows into an existing spillway and drainage structure. The Company plans on submitting the final design to the SEO by February 2010 and beginning construction in August 2010 with completion by February 2011.





## Water Project Loan Program – Project Data Sheet

**Borrower:** Town of La Veta

**County:** Huerfano

**Project Name:** La Veta Dam Rehabilitation

**Project Type:** Dam Rehabilitation

**Drainage Basin:** Arkansas River, District 16

**Water Source:** Cucharas River

**Total Project Cost:** \$410,000

**Funding Source:** Construction Fund

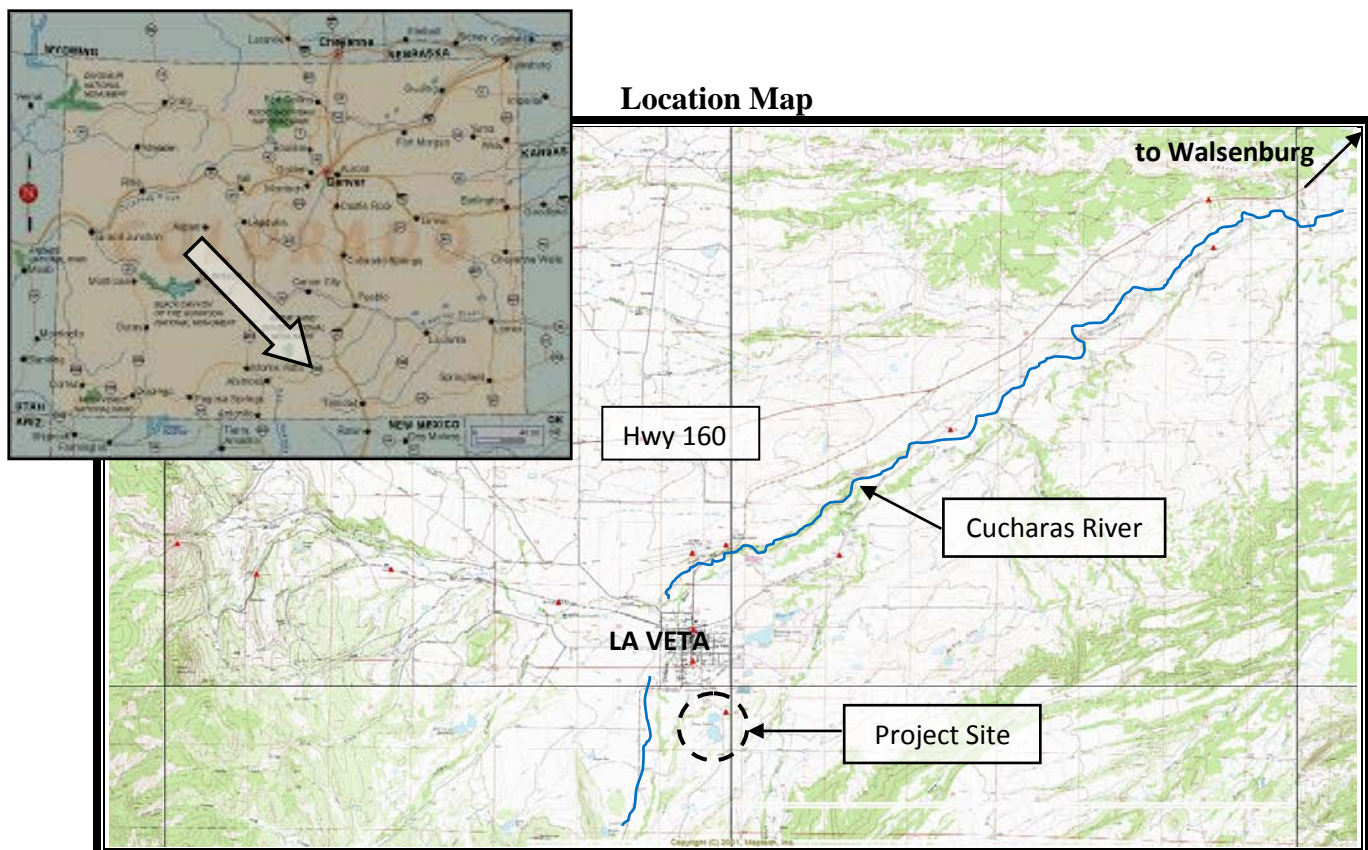
**Type of Borrower:** Low-Income Municipal  
(with request for a Restricted Reservoir reduction)

**Avg. Annual Delivery:** 209 AF

**CWCB Loan:** \$372,690 (w/ 1% service fee)

**Interest Rate:** 3.00% **Term:** 30 years

The Town of La Veta is responsible for supplying its residents with potable water. The primary water source for La Veta is from a diversion on the Cucharas River. The town stores raw water in two reservoirs (North Lake and South Lake) to supplement the river diversions in times of low flow and in periods of drought. North Lake reservoir has exhibited growing signs of distress over the years and the SEO issued a 2.5-foot restriction on the dam in March 2011. The restriction cost the Town 17 AF of storage capacity. The La Veta Dam Rehabilitation Project is intended to repair the dam and outlet works, restoring the capacity lost from the restriction.



## CWCB Construction Loan Program Project Data Sheet

**Borrower:** Lake Canal Reservoir Company

**County:** Larimer and Weld

**Project Name:** North Gray Reservoir  
Rehabilitation

**Project Type:** Reservoir Rehabilitation

**Drainage Basin:** South Platte River

**Water Source:** Box Elder Creek

**Total Project Cost:** \$128,300

**Funding Sources:** Construction Fund

**Type of Borrower:** Blended Agricultural  
Municipal & Commercial

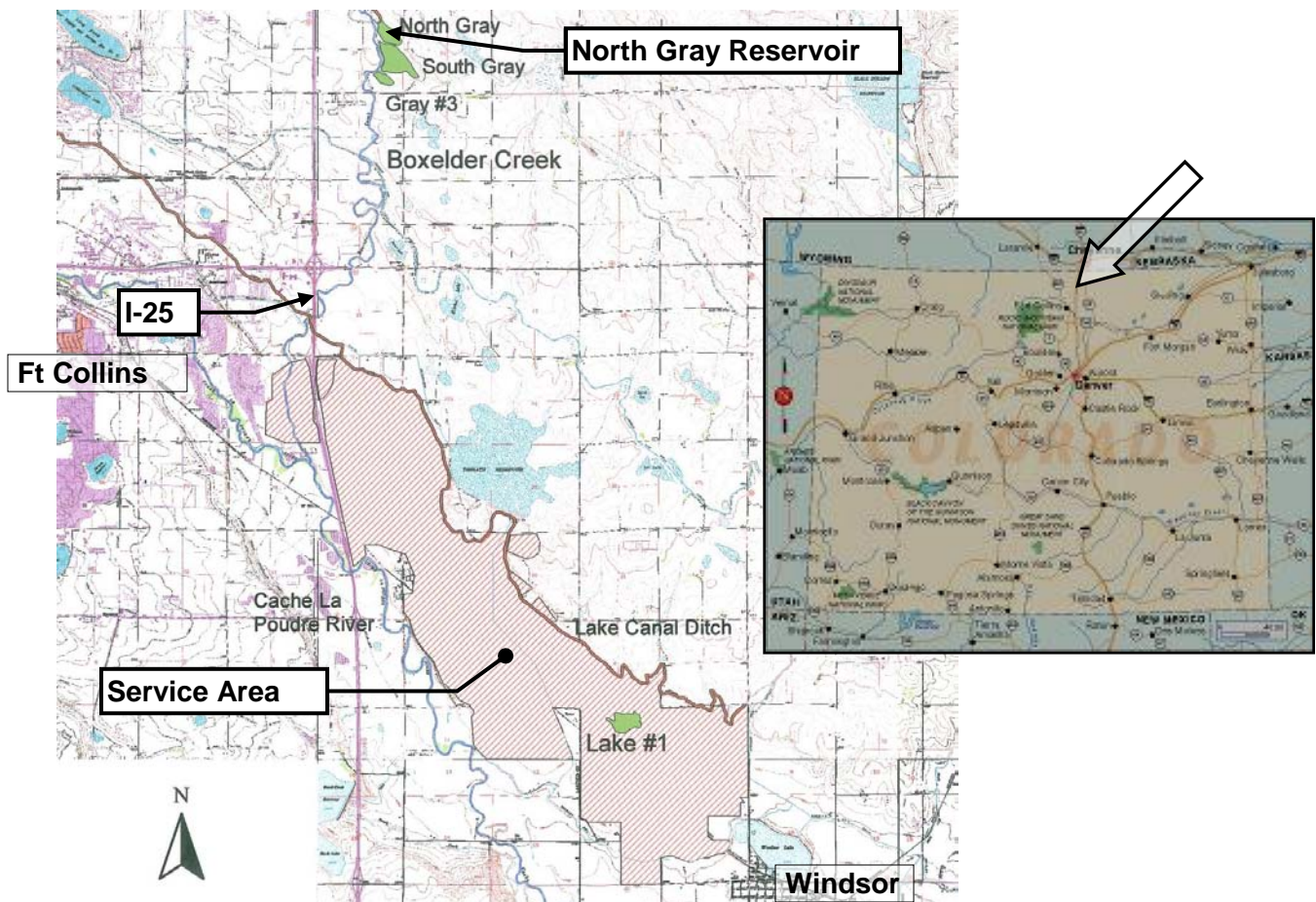
**Details:** 333 AF Stored  
75 AF Recovered

**Loan Amount:** \$116,625 (Including 1% fee)

**Interest Rate:** 2.10% **Term:** 30 years

The Lake Canal Reservoir Company is requesting a CWCB loan to construct a new spillway on North Gray Reservoir. The reservoir is currently under a storage restriction by the Office of the State Engineer (SEO). The existing spillway is a corrugated metal pipe that has corroded through. The existing pipe will be removed and the area will be backfilled. A new concrete cutoff wall and riprap lined channel will be constructed to replace the old spillway. Project design and SEO review is expected to be completed by July 2012. Construction is planned for September through November of 2012.

Note: Because this reservoir is on the SEO's restricted reservoir list and the Company is predominately owned by agricultural interests, this loan qualifies for a 1.0% interest rate reduction. The blended rate of 3.10% was reduced to 2.10%.





**Water Project Loan Program - Project Data****Borrower:** Left Hand Ditch Company**County:** Boulder**Project Name:** Allen Lake and Lake Isabelle Repair Project**Project Type:** Dam Rehabilitation**Drainage Basin:** South Platte, District 5**Water Source:** Left Hand and St. Vrain Creek**Total Project Cost:** \$1,273,000**Funding Source:** Construction Fund**Type of Borrower:** Blended  
(46% ag, 38% mid-muni, 16% high-muni)**Avg. Annual Delivery:** 22,700 AF**CWCB Loan:** \$1,157,157 (incl. 1% loan fee)**Interest Rate:** 2.45%    **Term:** 30 years

The Company diverts water from Left Hand and St. Vrain creeks to provide irrigation water for a 15,000-acre service area in Boulder County. The water delivery system includes an elaborate network of ditches, laterals, reservoirs and headgates. Two of the Company's five reservoirs, Lake Isabelle and Allen Lake, are in need of repair. Lake Isabelle lies within the Indian Peaks Wilderness which is operated by the Forest Service. The outlet works are deteriorated and unreliable. This project will reconstruct the outlet works while placing the control valve at a more accessible location. The second reservoir, Allen Lake, is located just north of Boulder and west of Highway 36. Its dam was constructed at a 2:1 slope, and is even greater in various locations due to years of wave action displacing rip-rap and eroding the dam face. This project will flatten out the slope and re-armor it with rock rip-rap.

**LOCATION MAP**



## Water Project Loan Program - Project Data

**Borrower:** Lower Latham Reservoir Company      **County:** Weld

**Project Name:** Well Augmentation Proj. (Ph III)      **Project Type:** Water Rights Purchase & Construction of Recharge Facilities

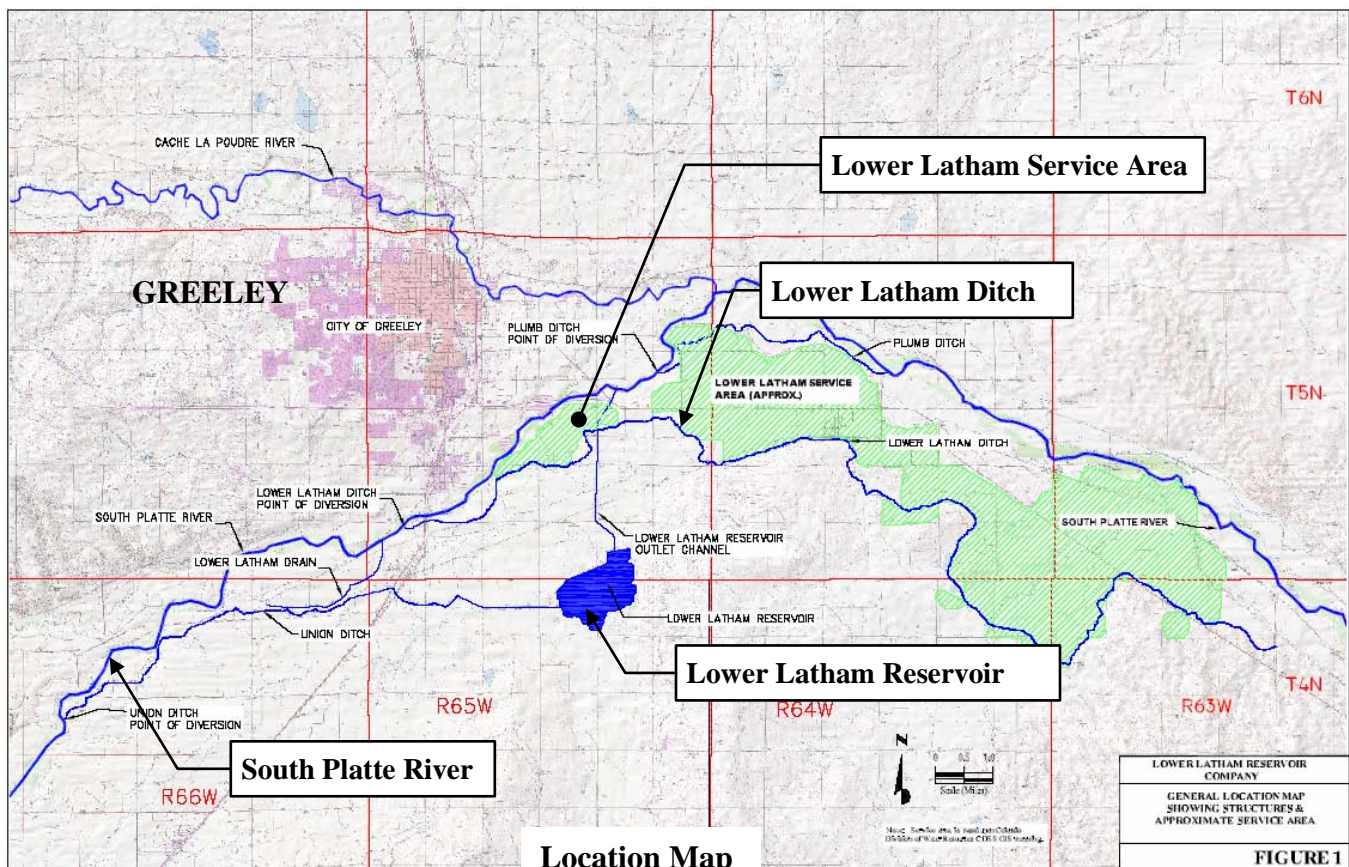
**Drainage Basin:** South Platte      **Water Source:** South Platte River

**Total Project Cost:** \$4,193,150      **Funding Sources:** Construction Fund

**Type of Borrower:** Agricultural      **Aver. Delivery:** 5,705 AF

**CWCB Loan:** \$3,811,573 (incl. 1% loan fee)      **Interest Rate:** 2.75%      **Term:** 30 years

The Lower Latham Reservoir Company (Company) is acquiring five shares of Lower Latham Ditch Company, for the purpose of providing augmentation water for existing shareholder wells. It is also constructing groundwater recharge facilities and other system improvements to utilize these shares and shares acquired in phases I & II of the project (both of which were financed by the CWCB). The Company provides augmentation water for 84 wells in Weld County by replacing out-of-priority pumping depletions. 39 of these wells were formerly in the GASP Augmentation Plan, and the remaining 45 wells are covered in the Augmentation Plan of Central Colorado Water Conservancy District's GMS. The Company is attempting to cover the former GASP wells, and supplement coverage of the GMS wells with their own augmentation plan. In 2003, the Company filed a permanent well augmentation plan that is pending. The Company has concluded that additional replacement sources are necessary to provide sufficient replacement water during extended drought years. A 2010 SWSP for the Company was revised and submitted to the SEO in December 2009.





## Water Project Construction Loan Program-Project Data

**Borrower:** Mancos Water Conservancy District

**Project Name:** Mancos Project

**Project Type:** System Rehabilitation

**County:** Montezuma **Drainage Basin:** San Juan **Water Source:** West Mancos River

**Total Project Cost:** \$6,619,550

**Funding Sources:** Borrower and CWCB

**Type of Borrower:** Agricultural/Municipal

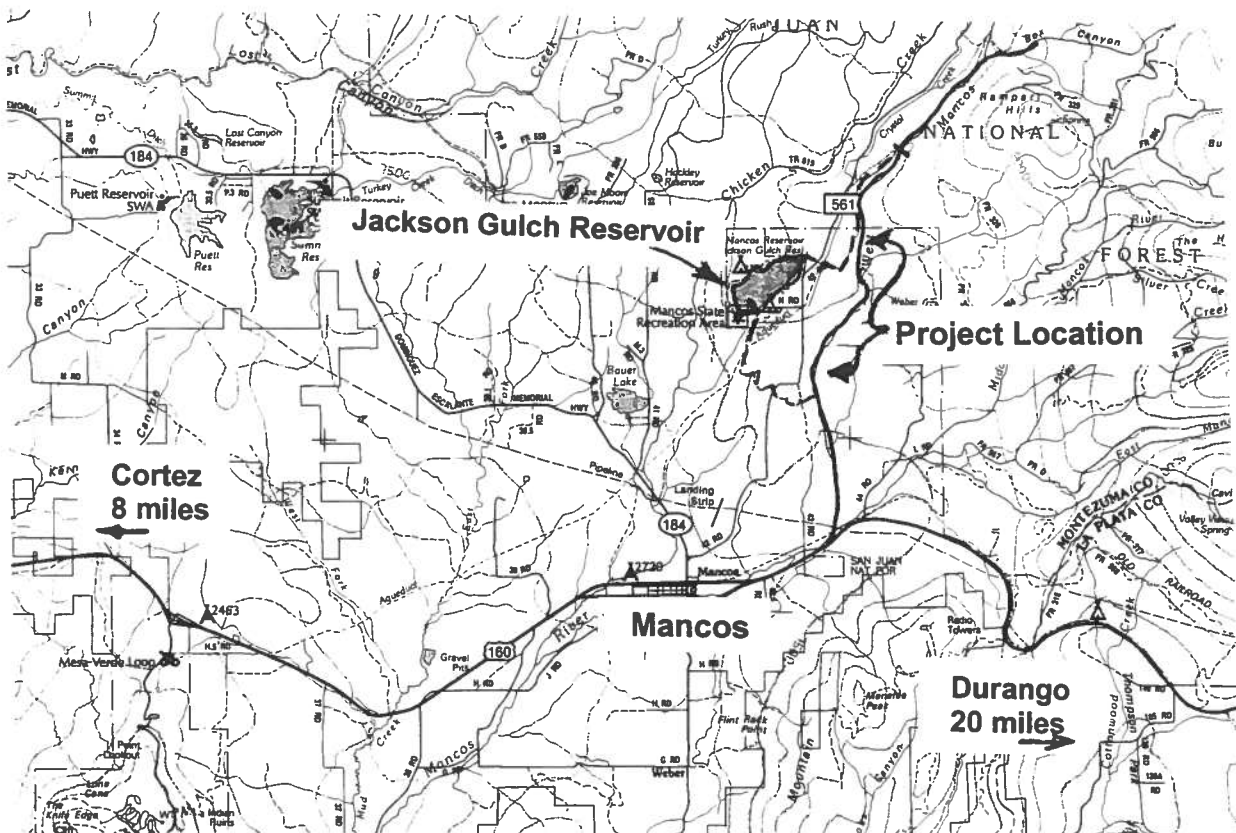
**Median Household Income:** Low

**CWCB Loan:** \$5,486,531

**Interest Rate:** 2.8% **Term:** 30 years

**Annual Volume of Water delivered:** 9,000 acre-feet

The Mancos Water Conservancy District is located in Montezuma county and supplies supplemental and full service irrigation water to a 13,496-acre service area. District facilities were constructed over 50 years ago, and are in need of rehabilitation. The Mancos Water Conservancy District was formed in 1941 under the Water Conservancy Act of 1937. It has the power to acquire water rights, construct and operate facilities, levy taxes, and issue debt subject to the provisions of TABOR. The District has completed the feasibility study. Project funding will come from a \$5,486,531 loan from the CWCB, and the remainder from the District.



Location Map

## Water Project Loan Program - Project Data

**Borrower:** City of Monte Vista  
(Water Activity Enterprise)

**County:** Rio Grande

**Project Name:** Augmentation Water Rights  
Acquisition

**Project Type:** Water Rights Purchase

**Drainage Basin:** Rio Grande

**Water Source:** Rio Grande River

**Total Project Cost:** \$1,863,500

**Funding Source:** Construction Fund

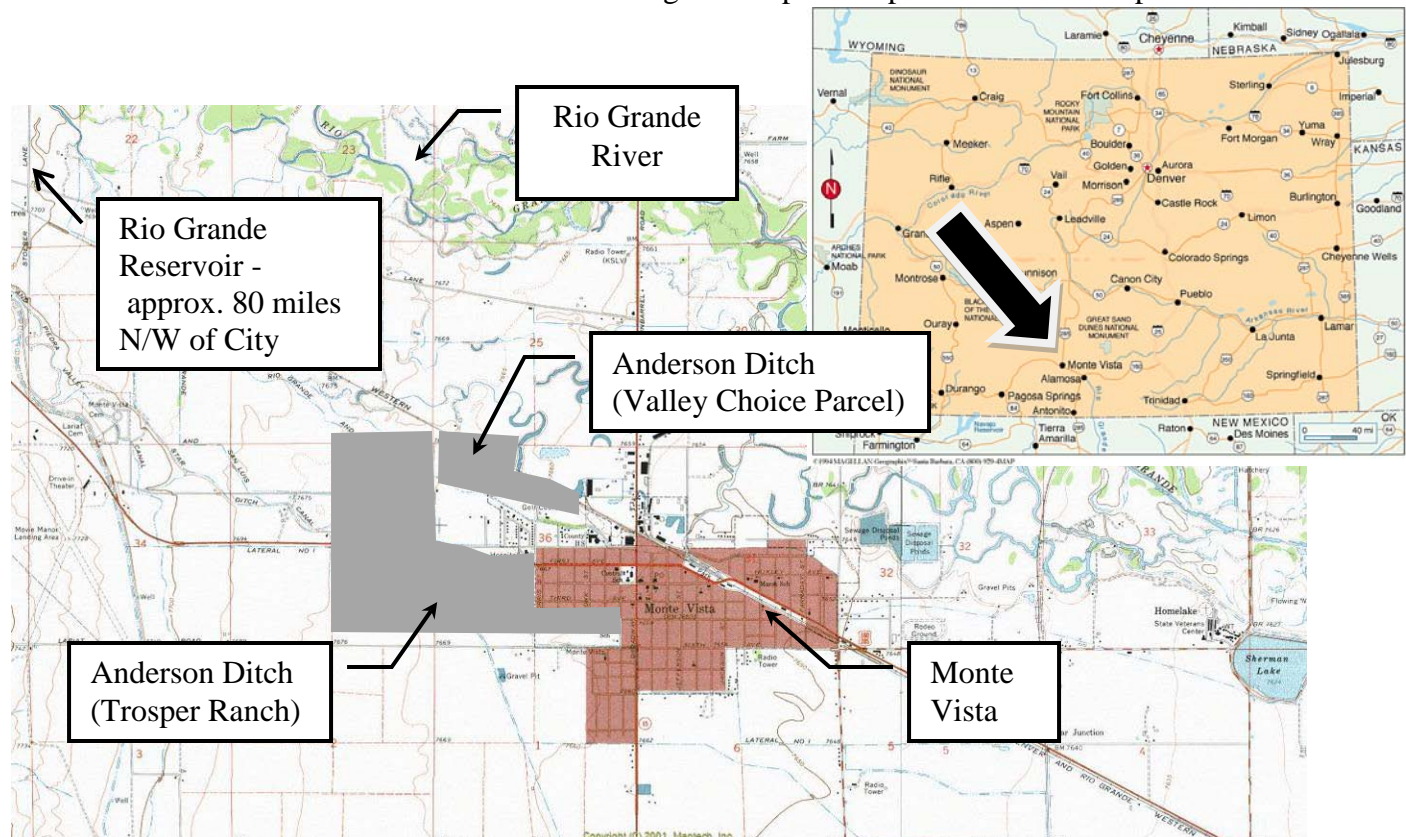
**Type of Borrower:** Low-Income Municipal

**Aver. Demand:** 1,212 AF/year

**CWCB Loan:** \$1,693,770 (incl. 1% loan fee)

**Interest Rate:** 4.0%    **Term:** 30 years

The City of Monte Vista, by and through its water activity enterprise, provides water to 4,300 residents in the San Luis Valley. The City's water system consists of five wells in a confined aquifer and three wells in an unconfined aquifer. Upcoming rules from the Office of the State Engineer will require water users in the San Luis Valley to replace depletions from pumping of wells in both the confined and unconfined aquifers tributary to the Rio Grande River. The water rights currently owned by the City are insufficient to fully replace the City's depletions. The City needs an additional 321 AF of replacement water. In order to meet this need, the City is purchasing Anderson Ditch water rights and storage in the Rio Grande Reservoir to store both the excess credits from the water it is purchasing and to store additional water it intends on leasing. Upon loan approval, the City plans on executing purchase agreements with the sellers of the Anderson Ditch rights and will then file in water court to enable the use of those rights to replace depletions as soon as possible.



Location Map



## CWCB Construction Loan Program Project Data Sheet

**Borrower:** Montezuma Valley Irrigation Co.

**County:** Montezuma

**Project Name:** May Lateral Pipeline Project

**Project Type:** Ditch Piping

**Drainage Basin:** San Miguel-Dolores/San Juan

**Water Source:** Dolores River

**Total Project Cost:** \$5,870,000

**Funding Sources:** CWCB, NRCS Grant?

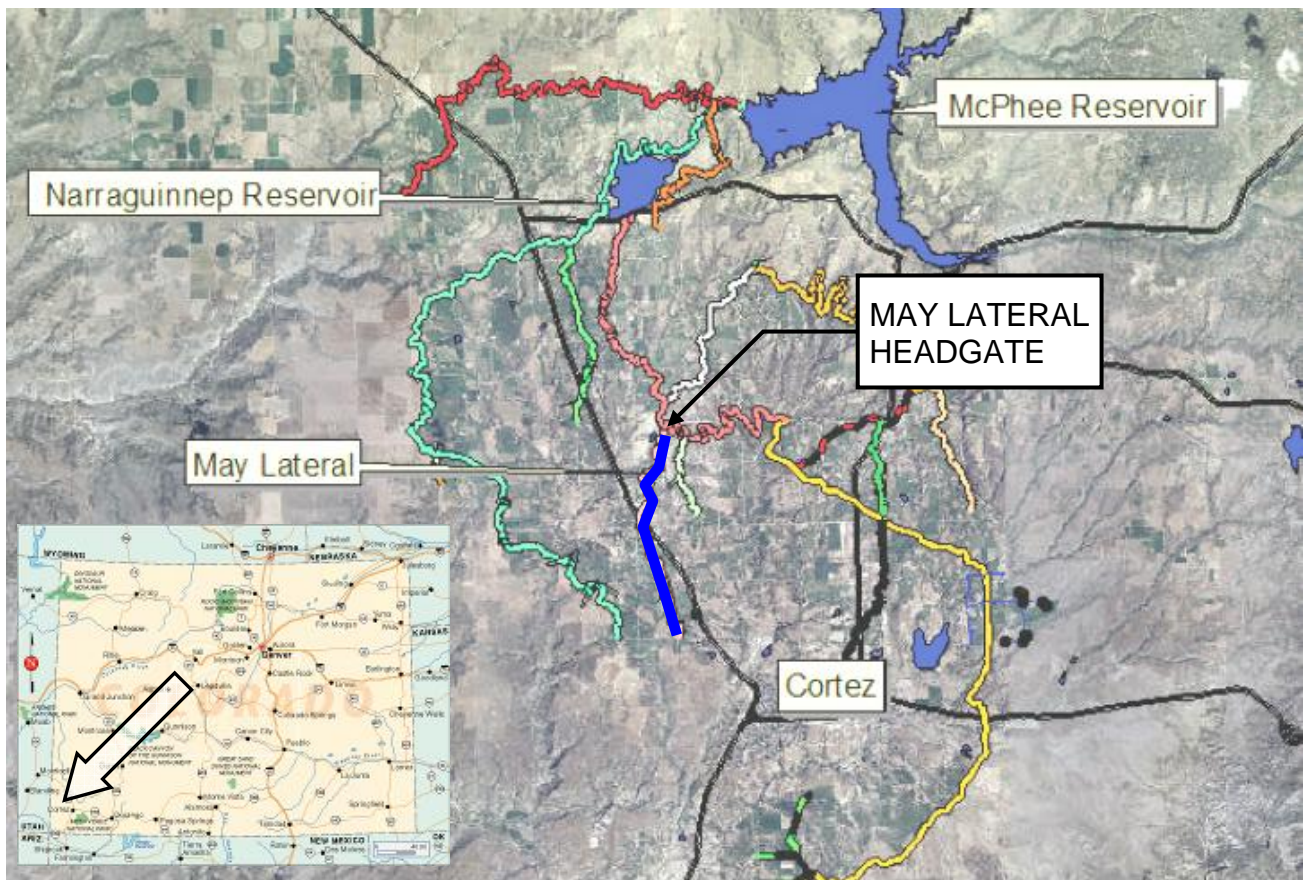
**Type of Borrower:** Agricultural

**Average Delivery:** 128,000 acre-feet

**Loan Amount:** \$5,292,400 (Including 1% fee)

**Interest Rate:** 2.25%    **Term:** 30 years

The Montezuma Valley Irrigation Company is a non-profit corporation established in the State of Colorado in 1920. The Company manages the delivery of irrigation water to the approximately 46,000 acre service area. The Company is proposing to install approximately five (5) miles of 36-inch pipe in the existing May Lateral Ditch alignment. The installation of pipe will improve delivery and significantly reduce leakage. The May Lateral water is diverted from the Dolores River and is routed through the McPhee Reservoir prior to delivery to shareholders. The new pipeline will carry approximately 18 cfs to the 105 shareholders that depend on the May Lateral for irrigation water. AgriTech Consulting has provided planning and preliminary design services.

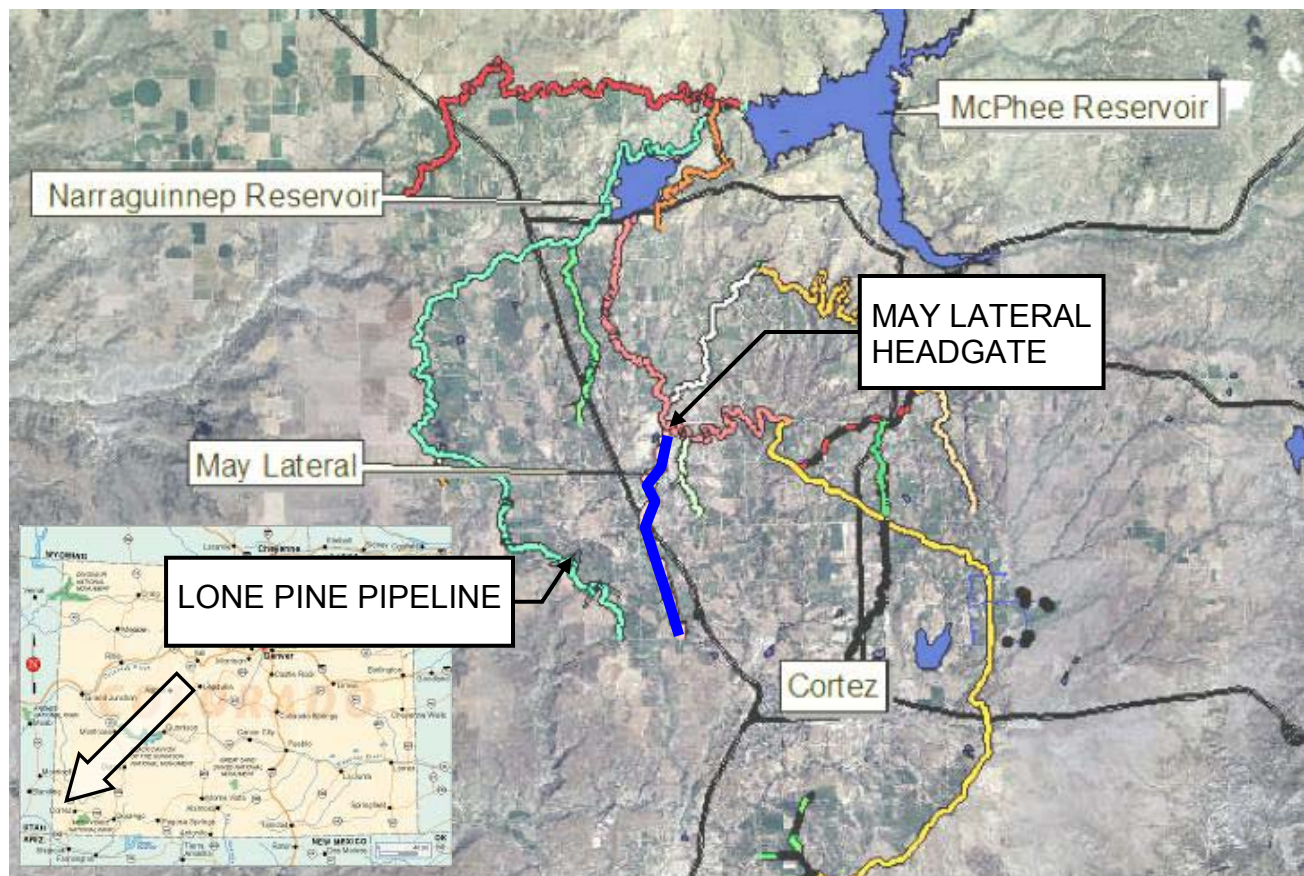


LOCATION MAP

## CWCB Construction Loan Program Project Data Sheet

**Borrower:** Montezuma Valley Irrigation Co.**County:** Montezuma**Project Name:** Lone Pine and May Pipeline Improvements Project**Project Type:** System Rehabilitation**Drainage Basin:** San Miguel-Dolores/San Juan**Water Source:** Dolores River**Total Project Cost:** \$472,500**Funding Sources:** Construction Fund**Type of Borrower:** Agricultural**Average Delivery:** 136,039 acre-feet**Loan Amount:** \$339,603 (Including 1% fee)  
(Initial during construction: \$435,250)**Interest Rate:** 2.75%      **Term:** 30 years

The Montezuma Valley Irrigation Company is a non-profit corporation established in the State of Colorado in 1920. The Company manages the delivery of irrigation water to a service area of over 30,000 acres. The Company is proposing to address issues that have become long-term maintenance concerns through this project including: trash and debris removal in delivery pipelines, pipeline pressure management, and water management issues. It is planning on installing screens on the Lone Pine and May pipelines; improving an existing pressure reducing valve on the Lone Pine pipeline; installing totalizing recording devices with solar panels at the delivery turnouts on the May pipeline; and implementing a new water accounting program for more accurate data collection on water deliveries. The Company is eligible to receive \$100,000 from the Bureau of Reclamation Water Conservation Field Services Program for the water accounting program. When the grant funds are issued to the Company, the loan contract will require those funds be applied to the CWCB loan principal. The Company will begin construction in the spring of 2012.



LOCATION MAP



**CWCB Construction Loan Program  
Project Data Sheet**

**Borrower:** New Salida Ditch Company

**County:** Chaffee

**Project Name:** Ditch Pipeline Project

**Project Type:** Ditch Piping

**Drainage Basin:** Arkansas

**Water Source:** Arkansas River

**Total Project Cost:** \$402,000

**Funding Sources:** Company & CWCB

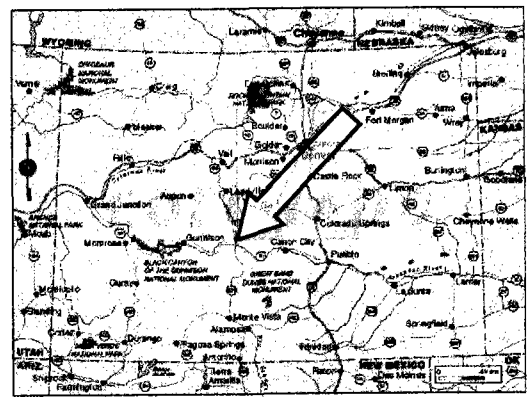
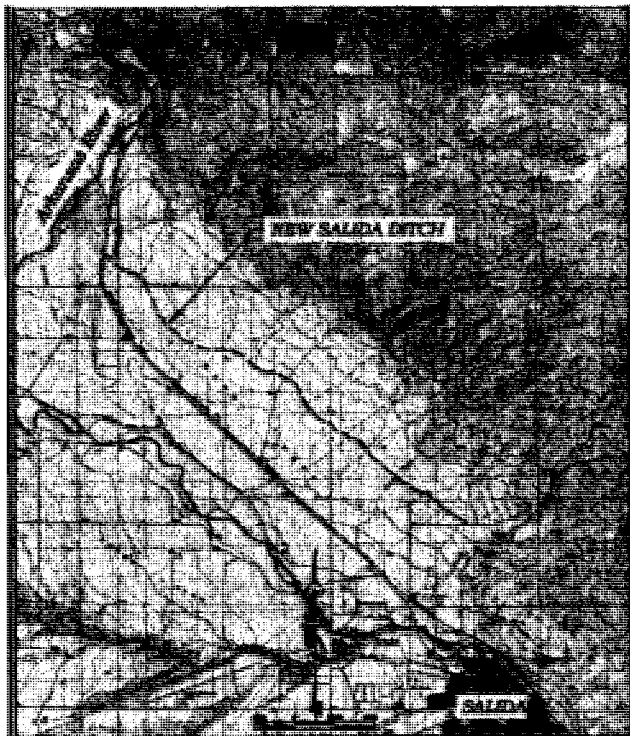
**Type of Borrower:** Agricultural

**Average Diversion:** 7,000 acre-feet

**Loan Amount:** \$365,620 (including 1% service fee)

**Interest Rate:** 2.5%      **Term:** 30 years

The New Salida Ditch Company owns and operates the New Salida Ditch (Ditch) to deliver water to agricultural users from the Arkansas River (River) through a diversion in Browns Canyon. The diversion is located 10 miles north of Salida and is approximately eight miles from its diversion to its end at Ute Gulch. In Browns Canyon, the Ditch runs parallel to the River for 1.25 miles. This section has historically been difficult for the Company to maintain and has suffered frequent breaks resulting in costly repairs and discharges of sand and gravel into the River. In 2005, during maintenance repairs, the Ditch broke and gravel was accidentally deposited into the River resulting in a citation from the Colorado Department of Public Health and Environment (CDPHE). As a resolution of this dispute, the Company and CDPHE entered into an agreement requiring the Company to enclose a portion of the Ditch to prevent the potential for future discharges of material due to ditch breaks in this area. Through this Project, the Company will install approximately 3,200 feet of 42 inch pipe along the existing ditch profile. Construction will begin in February 2009 with completion in the spring of 2009.



**Location Map**

## Water Project Loan Program – Project Data Sheet

**Borrower:** North Delta Irrigation Company

**County:** Delta

**Project Name:** NDIC Tunnel Repair Project

**Project Type:** Ditch Rehabilitation

**Drainage Basin:** Gunnison River Basin, District 40

**Water Source:** Gunnison River

**Total Project Cost:** \$1,210,000

**Funding Source:** Construction Fund/WSRA

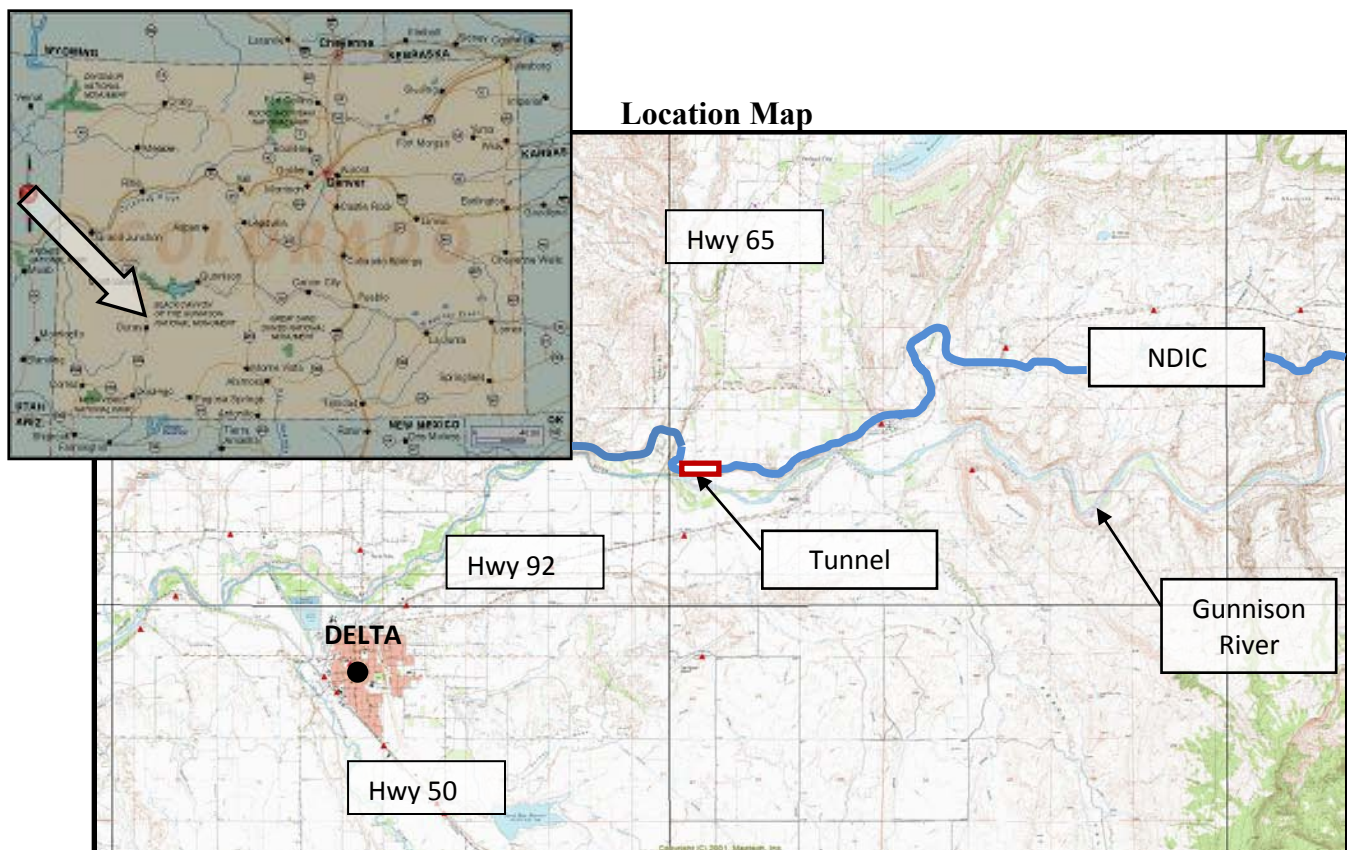
**Type of Borrower:** Blended  
(70% Agricultural, 30% Low-income municipal)

**Avg. Annual Delivery:** 17,735 AF

**CWCB Loan:** \$808,000 (w/ 1% service fee)

**Interest Rate:** 3.10% **Term:** 30 years

The North Delta Irrigation Company is responsible for supplying water to its 174 shareholders for the irrigation of 2,300 acres of land. The water is delivered through the North Delta Irrigation Canal. A two-mile stretch of the twenty-three mile canal is located along the steep hillside paralleling the Gunnison River, and includes three tunnels. The longest tunnel, 1,450 feet in length, experienced a collapse in July 2011, blocking deliveries to 94% of its shareholders. This project will repair the tunnel by removing the blockage, installing 1,500 LF of 54" fused HDPE and underdrain system, and backfilling the HDPE with grout. Additional funding for the project includes an \$800,000 WSRA grant approval from the Gunnison Basin Round Table.



## Water Project Loan Program - Project Data

**Borrower:** Ordway Feedyard, LLC

**County:** Crowley

**Project Name:** Ordway Feedyard Raw Water Line Extension Project

**Project Type:** Pipeline

**Drainage Basin:** Arkansas, District 17

**Water Source:** Groundwater

**Total Project Cost:** \$3,381,500

**Funding Source:** Construction Fund, WSRA, Crowley County, LAVWCD

**Type of Borrower:** Agricultural

**Avg. Annual Delivery:** 500 AF (Feedyard)  
1,000 AF (Ranch)

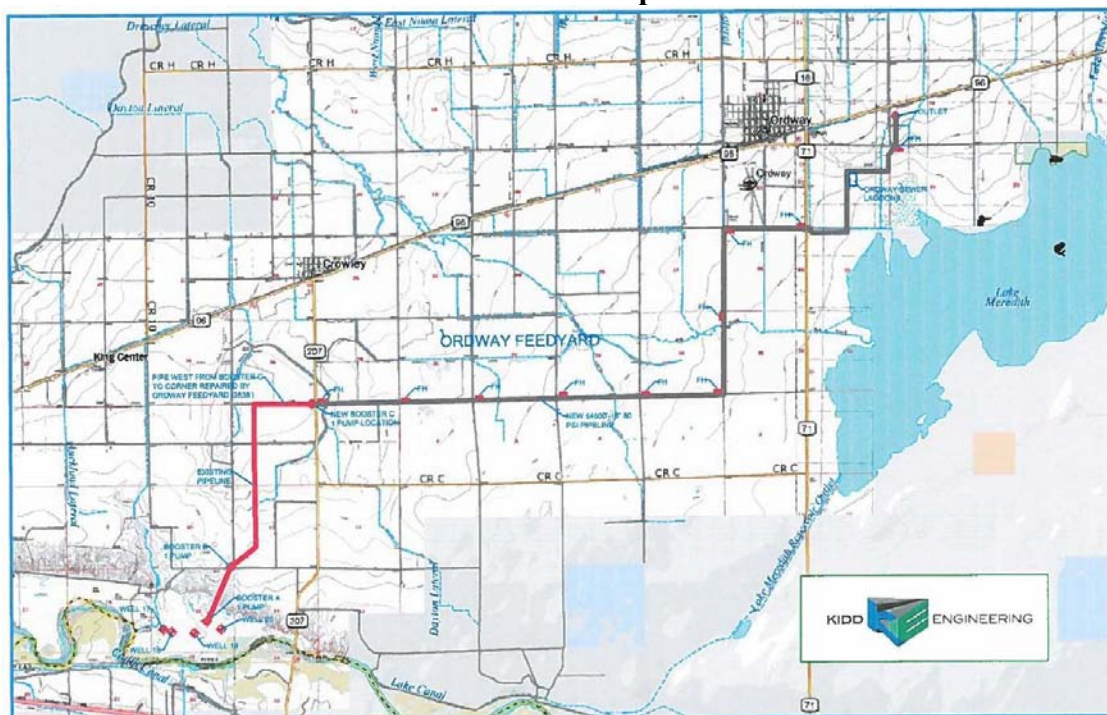
**CWCB Loan:** \$2,525,000 (incl. 1% loan fee)

**Interest Rate:** 1.75%    **Term:** 30 years

**WSRA Grant:** \$275,000 (\$25,000/\$225,000)

The Company utilizes the feedyard to feed and tend cattle until they are market ready. The Company owns both the feedyard and River Ranch. The ranch has 20 existing wells which are decreed for irrigation and stock watering. Currently there is no means to convey water between the ranch and feedyard. This project will secure a more reliable and affordable water supply by completing an infrastructure network capable of delivering high-quality well water from the ranch to the feedyard to augment its dependence on potable (approximately 14 AF per year) and leased water. The water supply enhancements are expected to reduce operational costs and preserve transit and evaporation losses at an estimated rate of 850 AF annually. The economic benefit to Crowley County has made it an active participant in the project, contributing cash and applying for a WSRA grant to assist in funding the Project. The Project consists of two phases. Phase one includes the re-establishment of easements and the rehabilitation of: 4.2 miles of existing pipe line, 4 groundwater wells, and 2 booster stations. Phase two includes installation of the remaining infrastructure necessary to complete the delivery system. Construction is expected to begin in the summer of 2013 with completion by the summer of 2014.

### Location Map

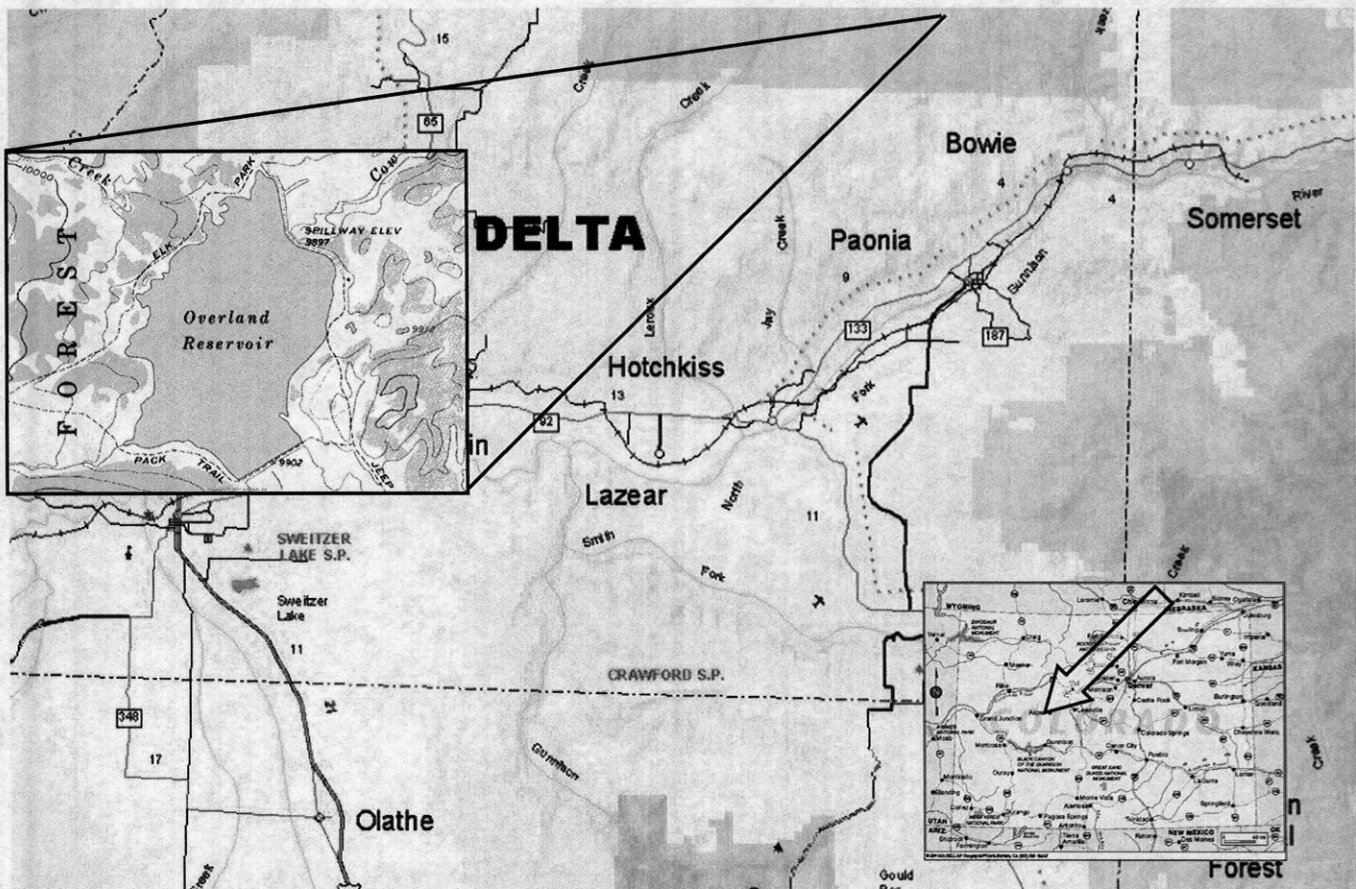




## CWCB Construction Loan Program Project Data Sheet

<b>Borrower:</b> Overland Ditch and Reservoir Co.	<b>County:</b> Delta
<b>Project Name:</b> Overland Reservoir Enlargement	<b>Project Type:</b> Reservoir Enlargement
<b>Drainage Basin:</b> Gunnison River Basin	<b>Water Source:</b> Cow Creek
<b>Total Project Cost:</b> \$1,255,555	<b>Funding Sources:</b> CWCB & Local Bank
<b>Type of Borrower:</b> Agricultural	<b>Average Delivery:</b> 17,000 acre-feet
<b>Loan Amount:</b> \$1,130,000	<b>Interest Rate:</b> 2.5% <b>Term:</b> 30 years

The Overland Reservoir Company is a non-profit mutual ditch company established in the State of Colorado in 1895. The Company owns and operates the Overland Reservoir for the 120 shareholders and delivers an average of 17,000 AF of irrigation water annually. The Reservoir is located in Delta County in the Gunnison National Forest at an elevation of 10,000 feet. The Reservoir has a current storage capacity of 6,200 AF and will be increased to 7,171 AF with this project. The reservoir was built in 1905 and required significant repair work in 1987 by the Company with financial assistance from CWCB and the Bureau of Reclamation. This project consists of raising the spillway elevation by 3.8 feet, installing toe drains, increasing the dam crest width and adding necessary embankment protection. Construction is scheduled to begin in the summer of 2007.



LOCATION MAP



## WATER PROJECT CONSTRUCTION LOAN PROGRAM-PROJECT DATA

**Borrower:** Owl Creek Reservoir Company/J. Gale and Valerie A. Moody

**Project Name:** Owl Creek Reservoir Project      **Project Type:** Rehabilitation

**Drainage Basin:** Owl Creek Tributary    **County:** Larimer    **Water Source:** Owl Creek

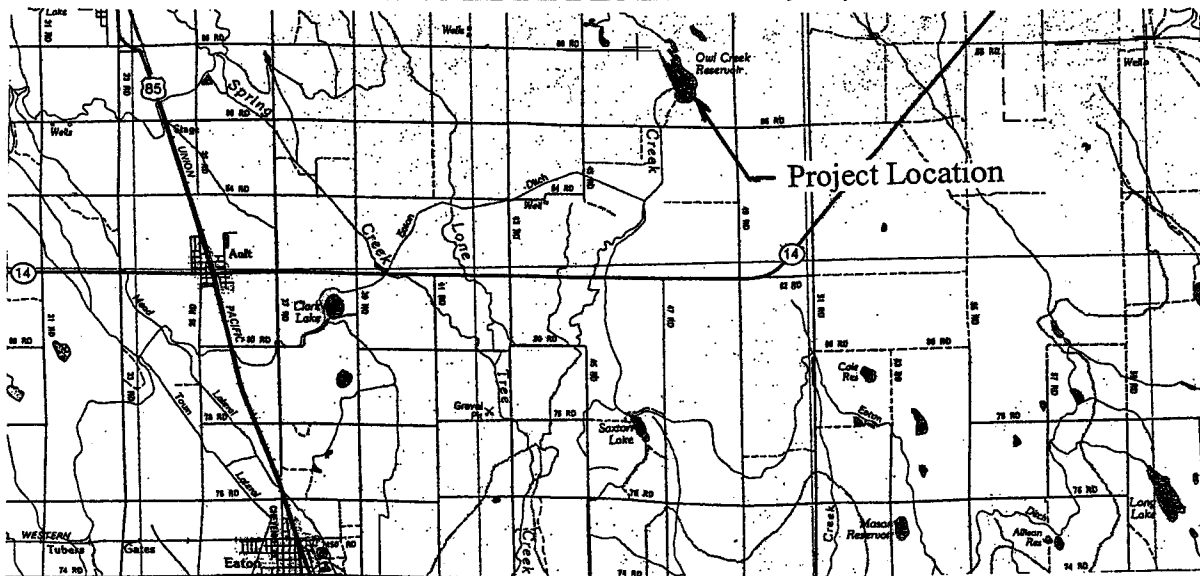
**Total Project Cost:** \$1,250,000      **Funding Source:** CWCB

**Type of Borrower:** Agricultural      **Median Household Income:** N/A

**CWCB Construction Fund Loan:** \$1,125,000    **Interest Rate:** 3.25%

**Term:** 30-years      **CWCB Grant:** \$0      **Reservoir Volume:** 1,200 acre-feet

Owl Creek Reservoir is land located in Weld County, Colorado, approximately 6 miles east and 3 miles north of the Town of Ault. The reservoir was originally constructed in 1896 to store water for irrigation. The dam was constructed of a granular material, that over the years suffered structural damage due to seepage. In 1983 sand boils appeared along the toe of the dam giving evidence that piping was occurring along the dam embankment. Given the condition of the dam embankment and the potential for failure, the dam was intentionally breached in 1983. The proposed project involves rehabilitating the existing facility to meet the State of Colorado's "Rules and Regulations for Dam Safety and Dam Construction", therefore permitting the storage of approximately 1,200 acre-feet of water. The Applegate Group, Inc., has completed preliminary design plans and specifications for the project. Proposed funding for the project consists of a CWCB Construction Fund Loan for \$1,125,000.



Location Map

## Water Project Construction Loan Program - Project Data

**Borrower:** Penrose Water District (PWD)  
Water Activity Enterprise

**County:** Fremont

**Project Name:** Penrose Raw Water Acquisition  
and Development Project

**Project Type:** Water Rights Purchase and  
Raw Water Pipeline

**Drainage Basin:** Arkansas

**Water Source:** Arkansas – Pleasant Valley Ditch

**Total Project Cost:** \$9,730,000

**Funding Sources:** CWCB, PWD, DOLA

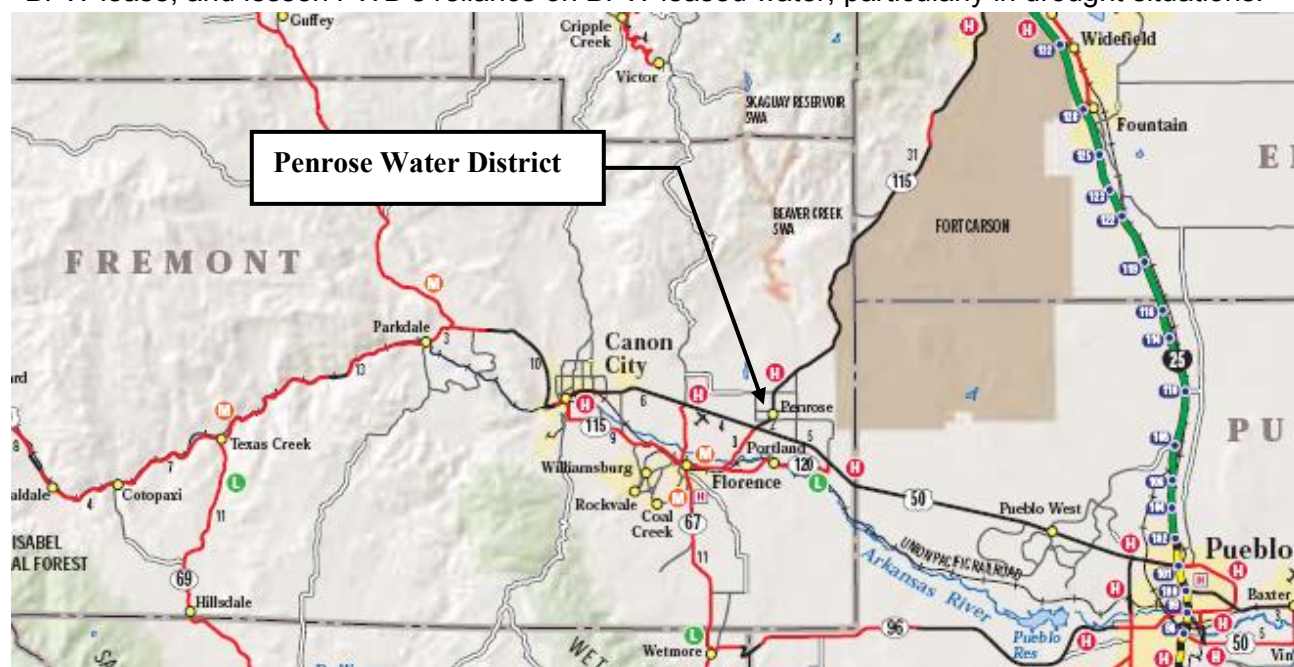
**Type of Borrower:** Municipal/Low

**Aver. Delivery:** 339 AF consumptive use

**CWCB Construction Fund Loan:** \$8,844,570  
(incl. 1% loan fee)

**Interest Rate:** 3.25%    **Term:** 30 years

The PWD currently provides domestic water to approximately 4,000 people with 1,700 taps in and around the Town of Penrose, with existing demand of 489 acre-feet per year. PWD's water supply is obtained by a lease with the Beaver Park Water, Inc. (BPW) who owns and operates Brush Hollow Reservoir. The 1990 lease has a 30-year term, and provides an increasing amount of water each year, 751 AF in 2006, leveling out at 1,000 AF in 2020. In drought years, the amount available to PWD is further reduced below the contract amount. Future build-out demand in 2040 is projected to be 1,200 acre-feet for about 8,000 residents and 3,240 taps. The proposed Enterprise project includes the acquisition of 10/12<sup>th</sup> of the Pleasant Valley Ditch water rights near Howard, with a change in use and change in point of diversion approximately 50 miles downstream to Sec. 13, T19S, R69W. Water will be obtained through the installation of 7 shallow alluvial wells immediately north of the Arkansas River, and then pumped approximately 5.8 miles through a 12-inch transmission line to Brush Hollow Reservoir. As part of the project, Brush Hollow Reservoir will be enlarged by raising the dam four feet. Because of the drought, there has been reduced availability of water from BPW. The project and water rights purchase will supplement the existing BPW lease, and lessen PWD's reliance on BPW leased water, particularly in drought situations.



Location Map

### Water Project Loan Program - Project Data Sheet

**Borrower:** Pisgah Reservoir and Ditch Company **County:** Teller

**Project Name:** Mt. Pisgah Dam/Wrights  
Reservoir Outlet Works Rehabilitation

**Project Type:** Reservoir Rehabilitation

**Drainage Basin:** Arkansas River, District 12

**Water Source:** Fourmile Creek

**Total Project Cost:** \$362,690

**Funding Sources:** Construction Fund &  
WSRA Grant

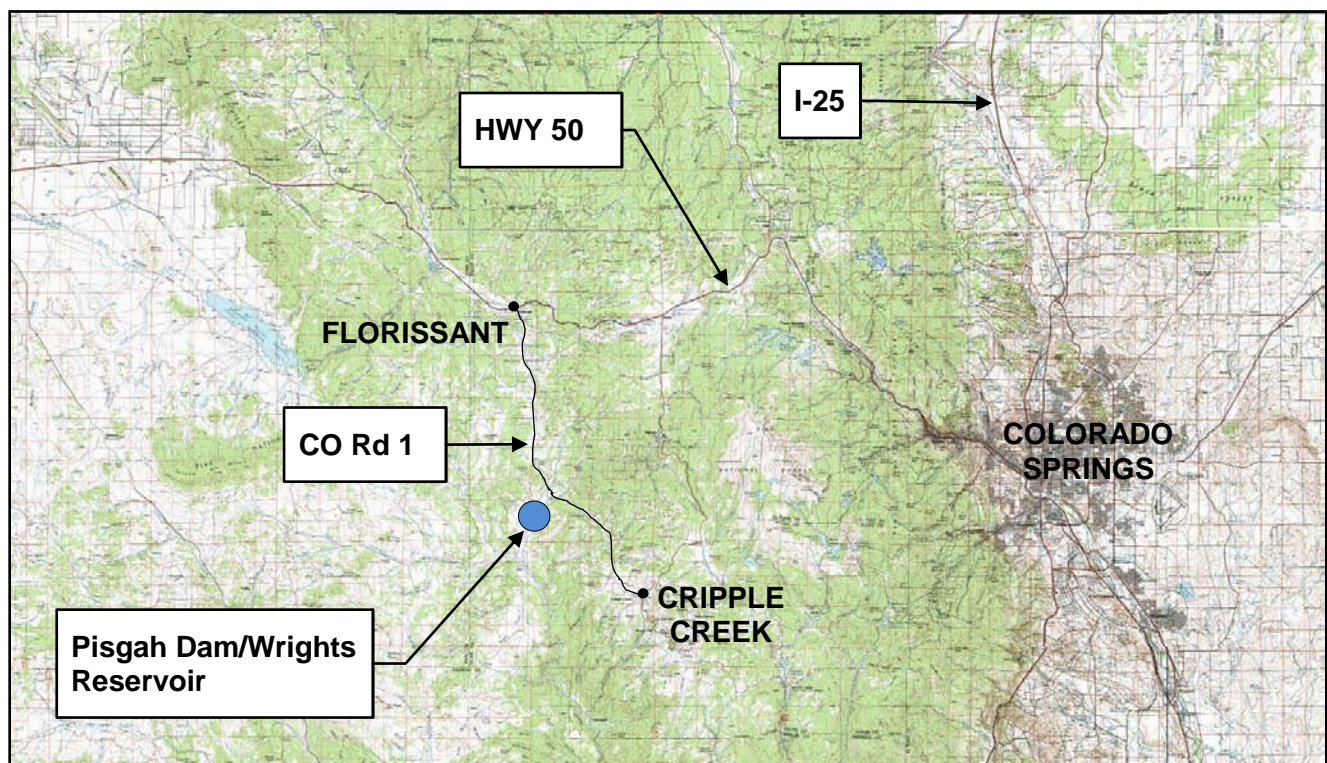
**Type of Borrower:** Blended  
(93% Ag, 7% low-income Muni)

**Average Water Delivery:** 86,000 AF  
**Water Storage:** 2,192 AF

**Loan Amount:** \$161,345 (Including 1% fee) **Interest Rate:** 1.75% **Term:** 30 years  
**WSRA Grant Amounts:** \$25,000 Arkansas Basin & \$136,345 Statewide

The Pisgah Reservoir and Ditch Company is applying for a \$161,345 loan to modify the inlet/outlet works and replace existing control valves on Pisgah Dam, in compliance with an SEO conditional order. By complying with the SEO recommendations the Company can avoid a storage level restriction on the reservoir. The Company has 25,000 shares issued amongst 573 current shareholders. The purpose of the Company is to provide raw water for the irrigation of approximately 20,000 acres of agricultural land across an 18 mile stretch from Manzanola to La Junta. Primary shareholders include Catlin Canal Company, Canon Heights Irrigation and Reservoir Company, Park Center Water District, City of Rocky Ford, Colorado Parks and Wildlife, and individual agricultural users.

### LOCATION MAP

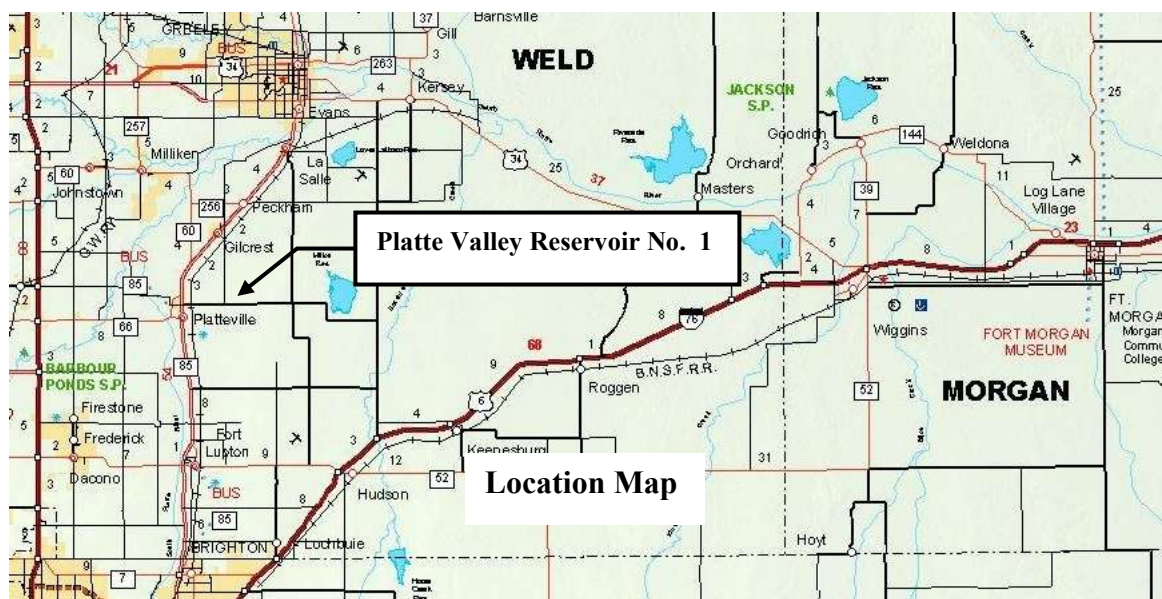




## Water Project Construction Loan Program - Project Data

<b>Borrower:</b> Platte Valley Irrigation Company	<b>County:</b> Weld
<b>Project Name:</b> Platte Valley Reservoir No. 1	<b>Project Type:</b> New Equalizer Reservoir
<b>Drainage Basin:</b> South Platte	<b>Water Source:</b> Evans Ditch No. 2
<b>Total Project Cost:</b> \$2,628,600	<b>Funding Sources:</b> CWCB, PVIC
<b>Type of Borrower:</b> Agricultural	<b>Aver. Delivery:</b> 52,401 acre-feet
<b>CWCB Construction Fund Loan:</b> \$2,388,650 (incl. 1% loan fee)	<b>Interest Rate:</b> 2.25% <b>Term:</b> 20 years

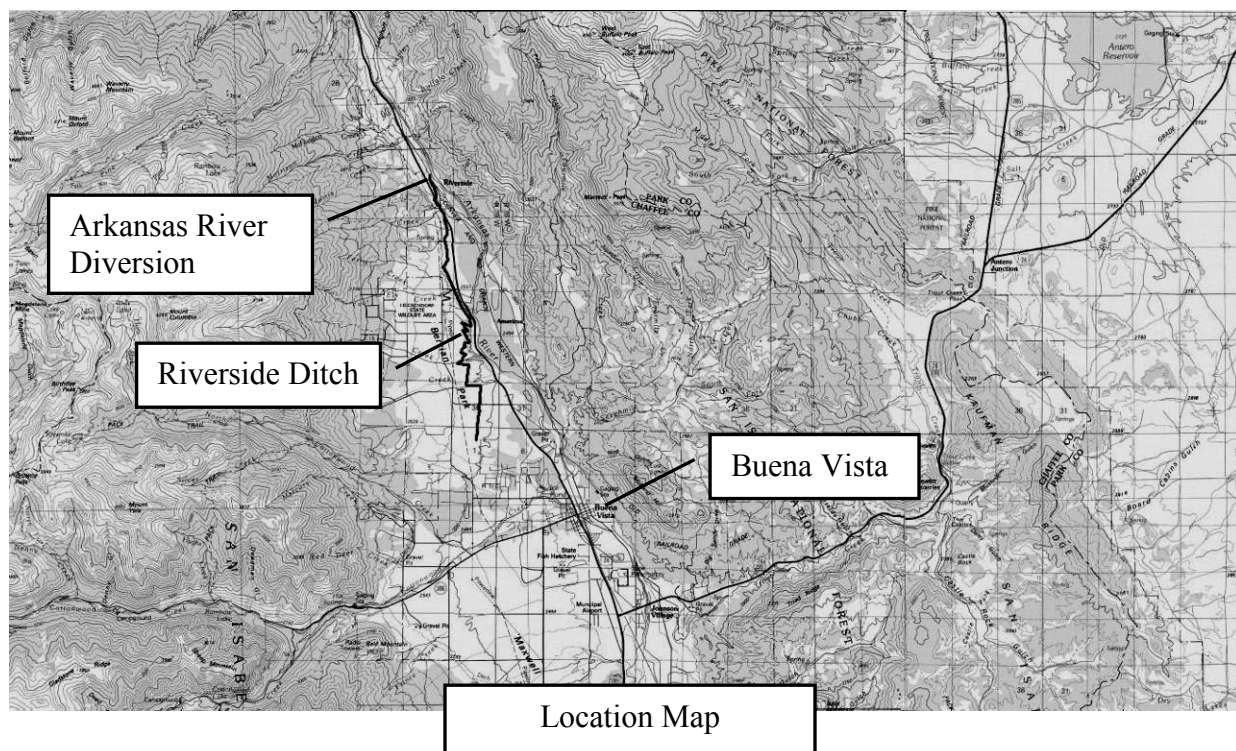
PVIC is a Colorado mutual ditch company and non-profit corporation serving approximately 14,832 acres of irrigated farm land in Weld County east of Platteville. PVIC diverts water for irrigation from the South Platte River near Fort Lupton and shares a jointly owned headgate with Farmers Reservoir and Irrigation Company (FRICO), as well as about 10 miles of the jointly owned Platte Valley Canal. Flow is divided at a bifurcation structure and PVIC water is carried in the Evans No. 2 Ditch. Average annual diversions are 52,401 acre-feet. PVIC needs an equalizer on the ditch to allow for more efficient management of the water, as well as additional measurement and control structures on their main ditch. They have purchased a 80 acre property to construct a reservoir. PVIC needs to improve the flow measuring capability of various reaches in the ditch, as directed by Water Court, in order to claim recharge credits in their system. The reservoir will have a junior water right for storage of water directed to PVIC's recharge program. In an average year the reservoir is expected to store 300 acre feet, with a 300 acre feet refill. Construction will consist of a 431 acre-foot reservoir with a 14 foot high dam embankment with 10:1 upstream slopes and 3:1 downstream slopes. The reservoir bottom will be lined using clay from the required excavation as necessary to exclude groundwater. The outlet will be a 48 inch RCP, configured to act as the principal spillway. The project also includes relocation of an existing section of Evans No. 2 Ditch below the split from the Platte Valley Canal, modification of the existing bifurcation structure, and construction of three (3) new Parshall Flumes in various reaches of the ditch, as directed by the Water Court.





**Water Project Loan Program - Project Data****Borrower:** Riverside Ditch & Allen Extension Co.**County:** Chaffee**Project Name:** Phased Canal Improvements**Project Type:** Ditch Rehabilitation**Drainage Basin:** Arkansas**Water Source:** Arkansas River**Total Project Cost:** \$205,000**Funding Source:** Construction Fund**Type of Borrower:** Agricultural**Average Diversion:** 3,250 acre-feet**CWCB Loan:** \$186,345 (Including 1% fee)**Interest Rate:** 2.75% **Term:** 30 years

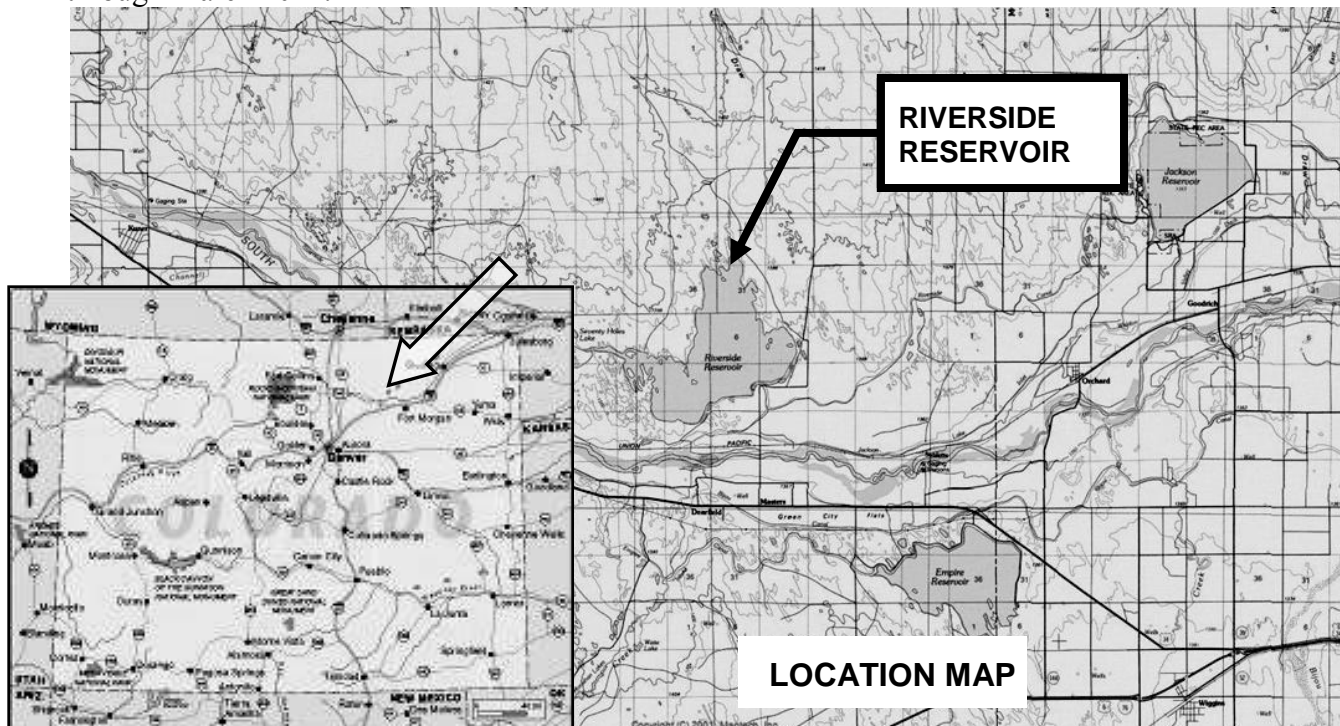
The Riverside Ditch and Allen Extension Company (Company), located near Buena Vista, owns and operates the Riverside Ditch (canal) that provides irrigation water to a 450 acre service area within Chaffee County. A significant portion of the Company's structures along the 125 year old canal are aged and in need of repair or replacement. The Company intends to complete a number of phased improvements to the canal that include: repairs to the river diversion; lining of portions of the canal to reduce seepage; installation of canal monitoring using SCADA equipment; phreatophyte removal; repair/replacement of aging headgates; and installation of standardized flumes. The proposed improvements would benefit the shareholders by improving overall canal efficiency, thereby increasing the consistency of shareholder headgate deliveries. These improvements will also benefit the Company through increased operator safety. Improvements are expected to be completed between the winter of 2009 and spring of 2012.



# **CWCB Construction Loan Program Project Data Sheet**

**Borrower:** Riverside Reservoir and Land Co.**County:** Weld**Project Name:** Emergency Spillway Project**Project Type:** Reservoir Rehabilitation**Drainage Basin:** South Platte**Water Source:** South Platte River**Total Project Cost:** \$3,120,000**Funding Sources:** Severance Tax Trust Fund  
Perpetual Base Account**Type of Borrower:** Agricultural**Average Delivery:** 39,000 AF (from Reservoir storage) (105,000 Total AF for Company)**Loan Amount:** \$2,838,100 (Including 1% fee)**Interest Rate:** 2.5%**Term:** 30 years

The Riverside Reservoir and Land Company (Company) owns and operates the 64,000 acre-foot capacity Riverside Dam and Reservoir, an inlet canal known as Riverside Ditch, and a river diversion structure located near the town of Kersey, Colorado. The Company diverts water from the South Platte River, approximately 10 miles downstream of Greeley, Colorado. It stores water primarily during winter months for irrigation releases during the following water season. The Company, formed in 1902, delivers irrigation water to approximately 50,000 acres. The Company is applying for a loan to install a spillway at Riverside Reservoir (Reservoir). The Reservoir is not equipped with an emergency spillway, which is required by the DWR's *Rules and Regulations for Dam Safety and Dam Construction*. There is currently a nominal restriction of 0.05 feet (200 AF of storage loss) due to the lack of a spillway. In order to enhance the safety of the Reservoir and prevent further storage restrictions, the Company plans on constructing an emergency spillway. The final design is expected to be complete in January 2010 with construction occurring from July 2010 through March 2011.

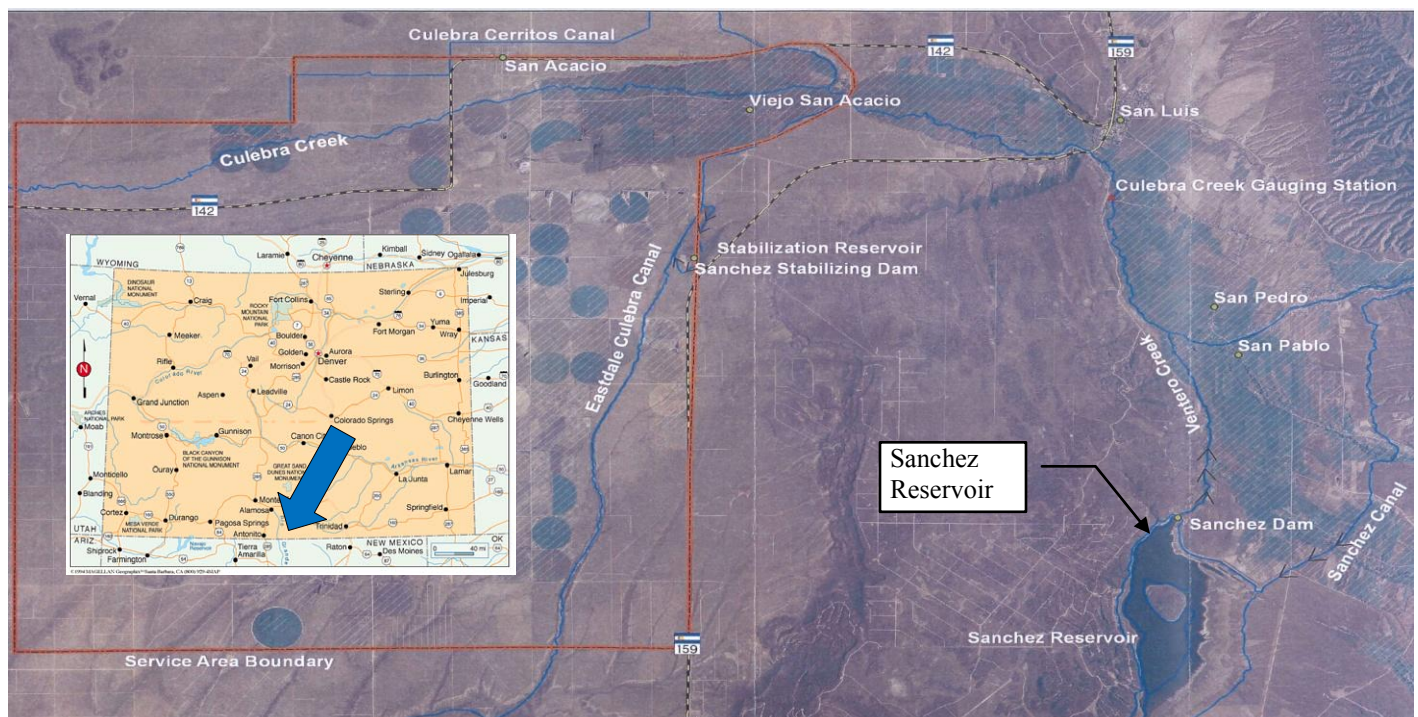


## CWCBC Construction Loan Program Project Data Sheet

**Borrower:** Sanchez Ditch and Reservoir Co.**County:** Costilla**Project Name:** Sanchez Reservoir Outlet Rehabilitation Project**Project Type:** Dam Rehabilitation**Basin / District:** Rio Grande / 24**Water Source(s):** Ventero Creek**Total Project Cost:** \$2,032,000**Funding Sources:** Construction Fund & WSRA (Basin & Statewide funds)**Type of Borrower:** Agricultural**Average Diversions:** 15,000 AF

**Loan Amount:** \$1,128,776 (Including 1% fee)    **Interest Rate:** 1.75%    **Term:** 30 years  
**WSRA Grant Amounts:** \$55,000 Rio Grande Basin & \$859,400 Statewide

The Company provides irrigation water for users in Costilla County, southwest of the town of San Luis. The Company's primary storage reservoir is Sanchez Reservoir. The approximately 104,000 acre-foot reservoir was built in 1910. The reservoir's outlet includes a 135 foot tall concrete gate tower. In order to access the gates to operate the dam, a tramway/gondola runs along a cable and is powered by a portable gasoline generator. Because daily access to the tower is required during irrigation season, the reliability and safety of the gondola system has been a concern of the Company. Using loan and grant funds, the Company intends to address the safety and operational management concerns at the reservoir through the demolition of the gate tower; the installation of new control gates and operators; lining the existing outlet conduit with shotcrete; repairing the downstream outlet structure; and, installing a new perimeter drain and weir along the right side of the outlet structure to control seepage. The project schedule is estimated as: final design and State Engineer's Office (SEO) approval between January 2013 and January 2014; bid the project in May of 2014; award the bid by June of 2014; start construction in September of 2014; complete construction by March of 2015.





## Water Project Loan Program – Project Data Sheet

**Borrower:** Terrace Irrigation Company

**County:** Conejos

**Project Name:** Spillway Replacement Project

**Project Type:** Reservoir Rehabilitation

**Drainage Basin:** Rio Grande River Basin, District 21

**Water Source:** Alamosa River

**Total Project Cost:** \$4,500,000

**Funding Source:** Construction Fund

**Type of Borrower:** Agricultural

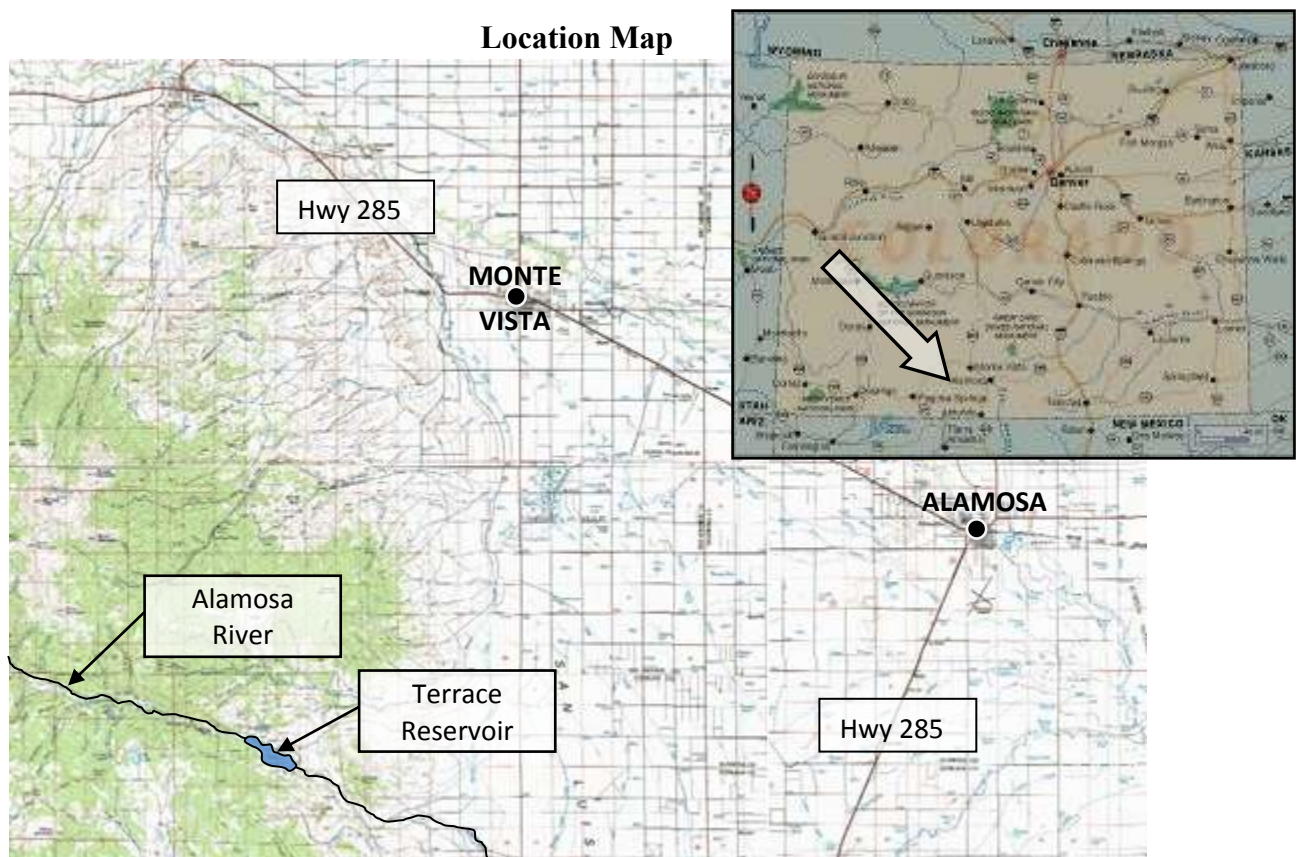
**Avg. Annual Delivery:** 15,339 AF

**CWCB Loan:** Project: \$1,010,000 (w/ 1% service fee)  
Consolidated: \$2,751,968

**Interest Rate:** 1.75% **Term:** 30 years  
(with a 1% Restricted Reservoir reduction)

The Company, responsible for supplying irrigation water to its shareholders for irrigation of 9,300 acres of agricultural lands, is also an active participant in the Alamosa River Instream Flow Project. The ISF Project is intended to restore flows and replace natural resources damaged by mining operations in the upper reaches of the Alamosa River. The Company relies on Terrace Reservoir to meet its irrigation demands throughout the later part of the irrigation season. The reservoir is currently under a restriction order from the SEO, reducing its available capacity by 2,000 AF. This project will replace the existing spillway and remove the SEO restriction order. Funding for this project includes grant money from WSRA (\$1,500,000) and the Summitville Natural Resource Damage (NRD) account (\$2,000,000). In return for NRD funding, the Company has agreed to donate 2,000 AF of storage in Terrace Reservoir towards instream flow storage to further the efforts of the ISF Project. Construction is expected to begin in summer/fall of 2012 and be completed by the end of 2013.

**Location Map**



## Water Project Loan Program – Project Data Sheet

**Borrower:** Thunderbird Water and Sanitation District

**County:** Douglas

**Project Name:** Lambert Ranch Water Rights Purchase

**Project Type:** Water Rights Purchase

**Drainage Basin:** South Platte, District 8

**Water Source:** Denver Basin Aquifer

**Total Project Cost:** \$350,000

**Funding Source:** Construction Fund

**Type of Borrower:** Middle-Income Municipal

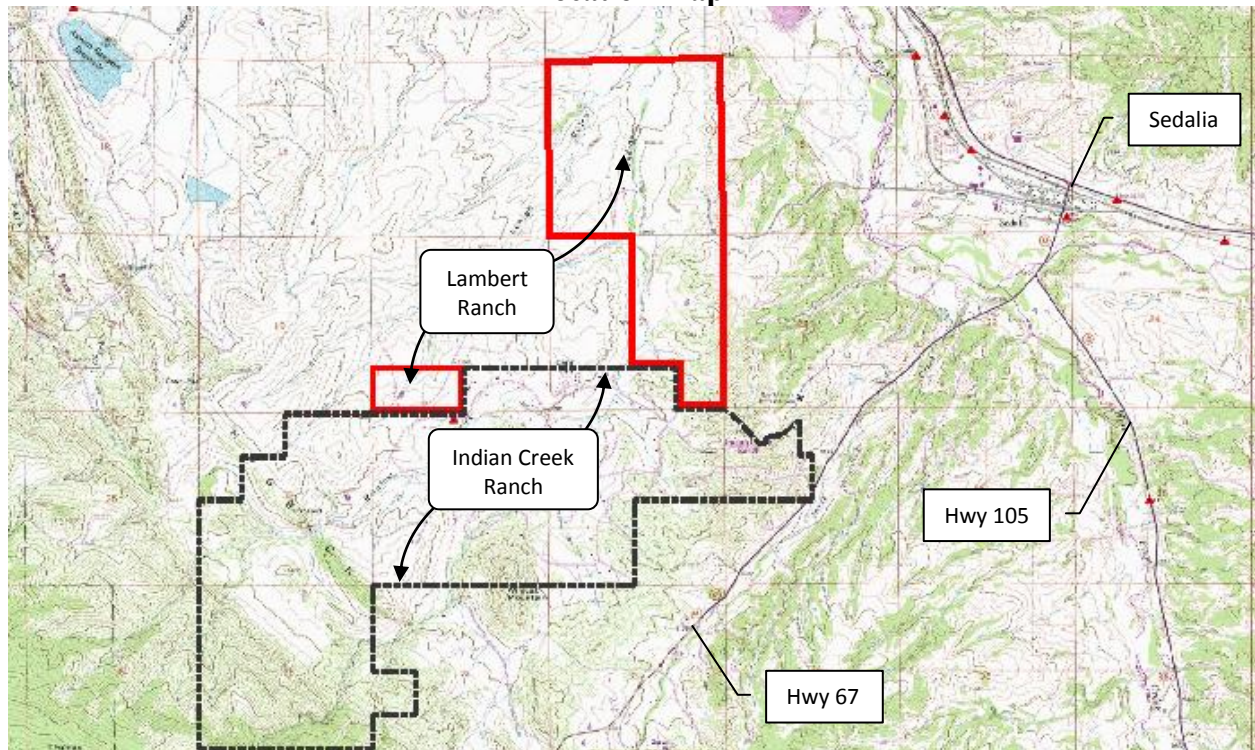
**Avg. Annual Delivery:** 55 AF

**CWCB Loan:** \$318,150 (w/ 1% service fee)

**Interest Rate:** 4.25% **Term:** 20 years

The Thunderbird Water and Sanitation District (District) provides potable water service for the Indian Creek Ranch subdivision, consisting of 2,420 acres and 175 customers. The District is applying for a loan to purchase 895.9 AF of Denver Basin decreed ground water rights that underlie the property known as Lambert Ranch. On average, the District delivers approximately 55 AF annually. The increase would enable the District to enlarge its available supply; thereby increasing system reliability, providing the redundancy necessary to allow for system maintenance and protect against aquifer depletions.

**Location Map**





## CWCB Construction Loan Program Project Data Sheet

**Borrower:** Tri-County Water Conservancy District **County:** Ouray, Montrose, Delta

**Project Name:** Ridgway Reservoir Micro-Hydro **Project Type:** Hydroelectric

**Drainage Basin:** Gunnison, District 68

**Water Source:** Uncompahgre River

**Total Project Cost:** \$17,000,000

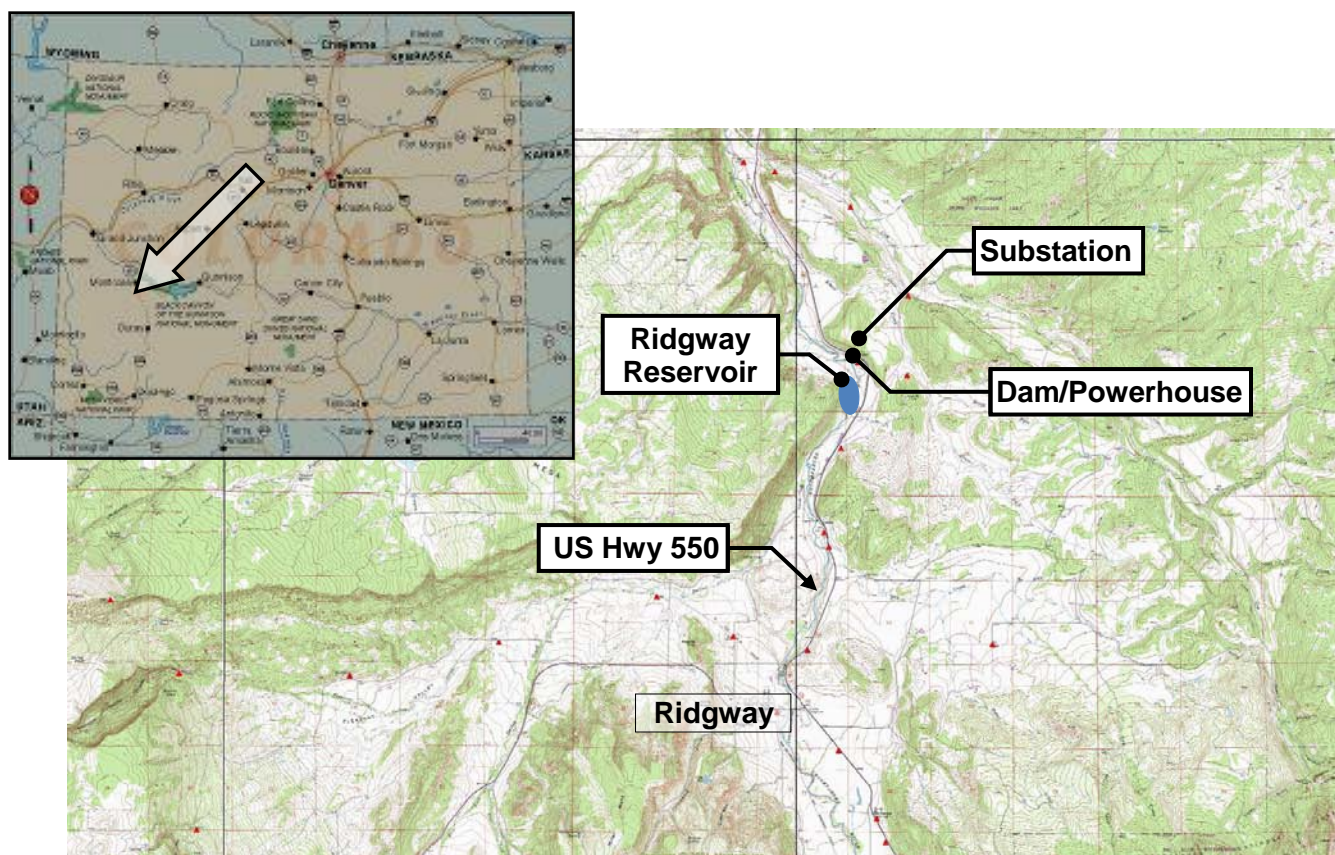
**Funding Sources:** Construction Fund,  
CWRPDA

**Type of Borrower:** Hydroelectric

**Avg. Diversion:** 35,000 AF (84,410 AF of  
reservoir storage)

**Loan Amount:** \$13,130,000 (Including 1% fee) **Interest Rate:** 2.00% **Term:** 30 years  
> Increased from \$9,090,000 in Jan 2013

The Tri-County Water Conservancy District is requesting a CWCB loan for the construction of a 8MW hydroelectric power generating facility at Ridgway Reservoir. The project will be permitted through the "Lease of Power Purchase" process with the Bureau of Reclamation, allowing the incorporation of a hydropower facility into the existing outlet works of Ridgway Dam. The dam, constructed by the Bureau as part of the Dallas Creek Project, began storing waters of the Uncompahgre Basin in 1987. The District projects that the facility will produce an annual average of 22,600 MWh, which will be sold to the San Miguel Power Association/Tri-State Generation and Transmission and the City of Aspen/Municipal Energy Agency of Nebraska through a Power Purchase Agreement. Construction is scheduled to begin in the spring of 2013 and take approximately 2 years to complete, with energy production expected by summer 2014.





## CWCB Water Project Loan Program

### Project Data Sheet

**Borrower:** Twenty Two Road Lateral Company

**County:** Mesa

**Project Name:** 22 Road Lateral Ditch Replacement

**Project Type:** Ditch Rehabilitation

**Drainage Basin:** Colorado / District 72

**Water Source:** Colorado River (via GVIC)

**Total Project Cost:** \$532,875

**Funding Source:** Construction Fund,  
NRCS (\$398,970)

**Type of Borrower:** Blended

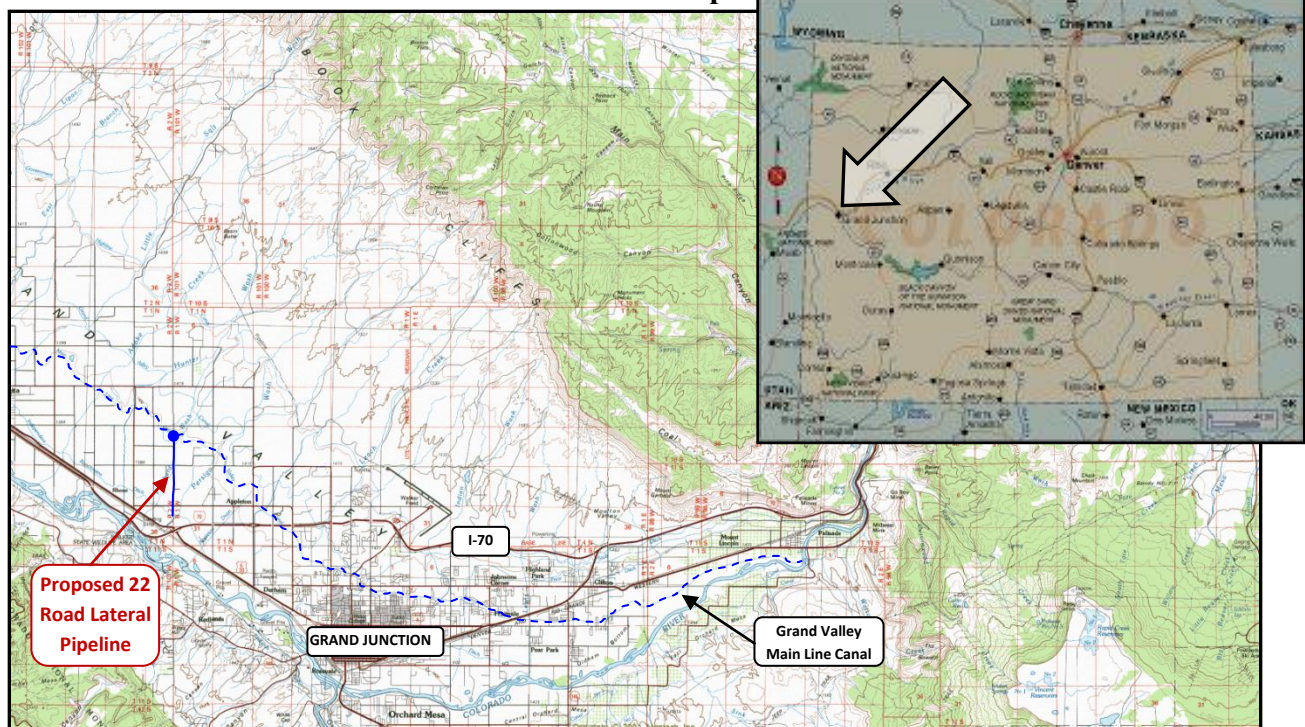
**Avg. Annual Diversion:** 1,334 AF

**CWCB Loan:** \$512,720 (\$517,848 w/ 1% service fee)  
Long Term \$113,750 (\$118,878 w/ 1% service fee)

**Interest Rate:** 2.35% **Term:** 30 years

The Twenty Two Road Lateral Company uses the Twenty Two Road Lateral to deliver water to its members for the purpose of irrigating pastures, residential landscapes and gardens. The Lateral is a weathered concrete lined open channel. Cracks and gaps in the concrete lining have resulted in ever growing maintenance costs while reducing the efficiency of the Lateral. The Company is requesting a CWCB loan in conjunction with a \$398,970 NRCS grant, through the Colorado River Basin Salinity Control Program, to remove 13,000 LF of deteriorated concrete panel-lined channel and install 16,200 LF of plastic irrigation pipe, ranging from 3 to 18 inches in diameter. By piping the Lateral the District will reduce its annual maintenance expenses while increasing the reliability and efficiency of its deliveries.

### Location Map



## Water Project Construction Loan Program-Project Data

**Borrower:** Union Ditch Company (UDC)

**County:** Weld

**Project Name:** UDC Recharge Project

**Project Type:** Well Augmentation

**Drainage Basin:** South Platte

**Water Source:** South Platte River

**Total Project Cost:** \$344,000

**Funding Sources:** CWCB, UDC

**Type of Borrower:** Agricultural

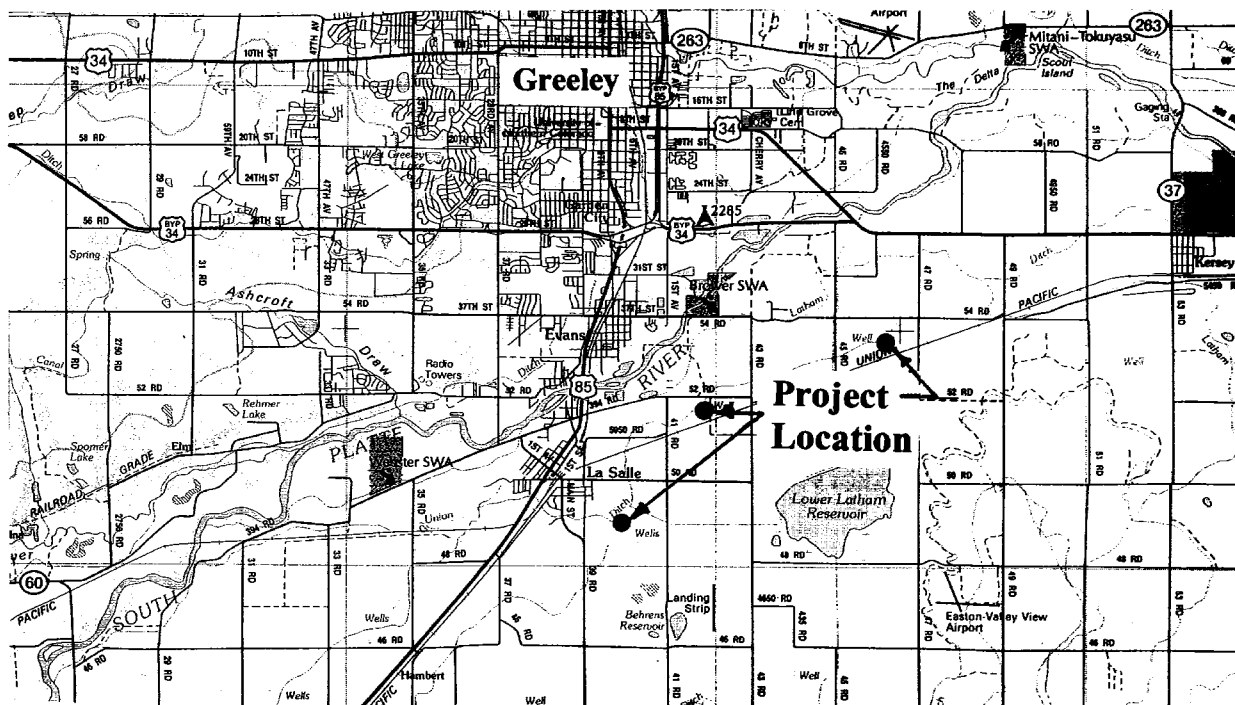
**Aver. Delivery:** 206 acre-feet (consump. use)

**CWCB Construction Fund Loan:** \$309,500

**Interest Rate:** 2.50%

**Term:** 30 years

UDC operates the Union Ditch providing direct flow irrigation water to an area of 5,500-acres east of the Town of LaSalle and south of Greeley. Water is diverted from the South Platte River at a headgate east of the Town of Milliken. UDC operates approximately 15 miles of ditch and typically delivers about 29,000 acre-feet of irrigation water per year. UDC has filed an application for an Augmentation Plan to provide replacement water for 40 junior wells owned by shareholders, formerly serviced by GASP, to replace out-of-priority irrigation well depletions. As part of the Augmentation Plan UDC will need 50 AF of developed recharge storage capacity to offset the depletions. The project involves the development of three recharge structures, with the top priority site, the Mecure #1 Site (20 AF) developed initially in 2004, and the remaining two sites totaling 30 AF developed in 2005. Each pond would be filled by water that is diverted from the Union Ditch. The construction of each site will include pond excavation, flow measurement structures (flumes on feeder canals or meters for pumps), headgate structures for feeder canals, and monitoring and reporting measurement equipment (SCADA). The ponds will be relatively shallow in depth (< 10 feet) and will include an earthen embankment around the perimeter of the pond.



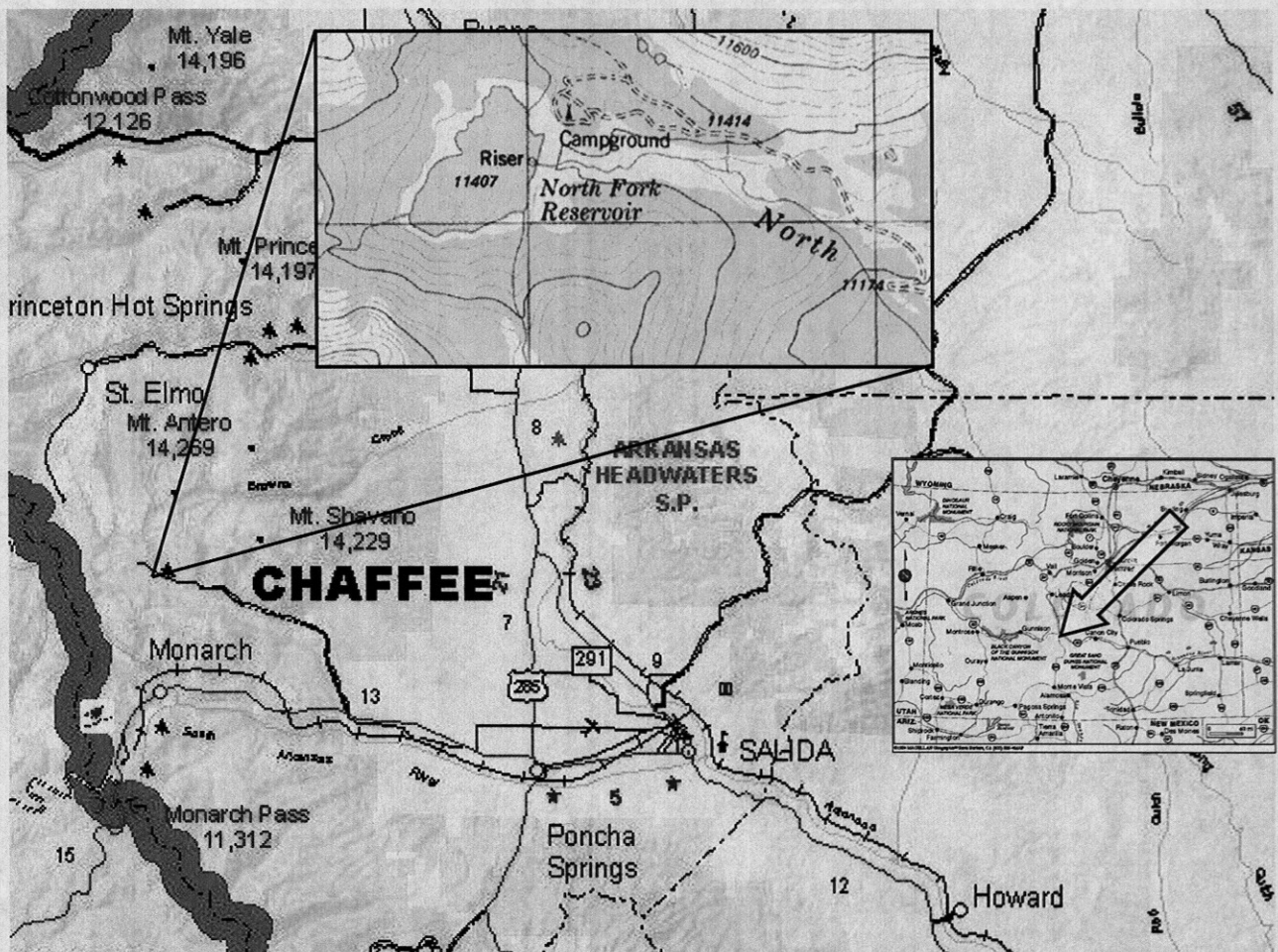
Location Map



**CWCB Construction Loan Program  
PROJECT DATA SHEET**

<b>Borrower:</b> Upper Arkansas Water Conservancy District	<b>County:</b> Chaffee/Fremont/Custer
<b>Project Name:</b> North Fork Reservoir Rehab/Expansion	<b>Drainage Basin:</b> Arkansas River
<b>Project Type:</b> Dam and Spillway Modifications	<b>Water Source:</b> N. Fork of S. Arkansas
<b>Total Project Cost:</b> \$3,309,850	<b>Funding Sources:</b> CWCB & Company
<b>Loan Amount:</b> \$2,980,000	<b>Current Reservoir Storage:</b> 500 acre-feet
<b>Type of Borrower:</b> Low Municipal/Agricultural	<b>Interest Rate:</b> 3.0% <b>Term:</b> 30 years

The Upper Arkansas Water Conservancy District is located in Salida, Colorado, and serves to protect and develop water supplies in Chaffee, Western Fremont and Custer Counties. The District has operated the North Fork Reservoir since 1979 for domestic, municipal, industrial, recreational and augmentation purposes. The reservoir is at elevation 11,400 feet and is located 10 miles from Maysville on the North Fork of the South Arkansas River. The District plans to repair the outlet gate, improve the access for construction, increase the spillway capacity, mitigate seepage along the right abutment, and raise the dam height by 15 feet. This will increase the capacity of the reservoir from 595 AF to 1095 AF. The enlargement will also require the relocation of portions of a campground. The reservoir is located on Forest Service property and currently has a Special Use Permit authorizing the repair work. The enlargement work will require a NEPA study prior to Forest Service permitting.



LOCATION MAP



## **Projects Not Under Contract**

## Water Project Construction Loan Program - Project Data

**Borrower:** SECWCD - Enterprise

**County:** Pueblo, Crowley, Otero, Bent, Prowers

**Project Name:** Arkansas Valley Conduit

**Project Type:** Water Supply Pipeline

**Drainage Basin:** Arkansas

**Water Source:** Arkansas – Fry-Ark Project

**Total Project Cost:** \$300,000,000

**Funding Sources:** CWCB, Federal

**Type of Borrower:** Municipal/Low

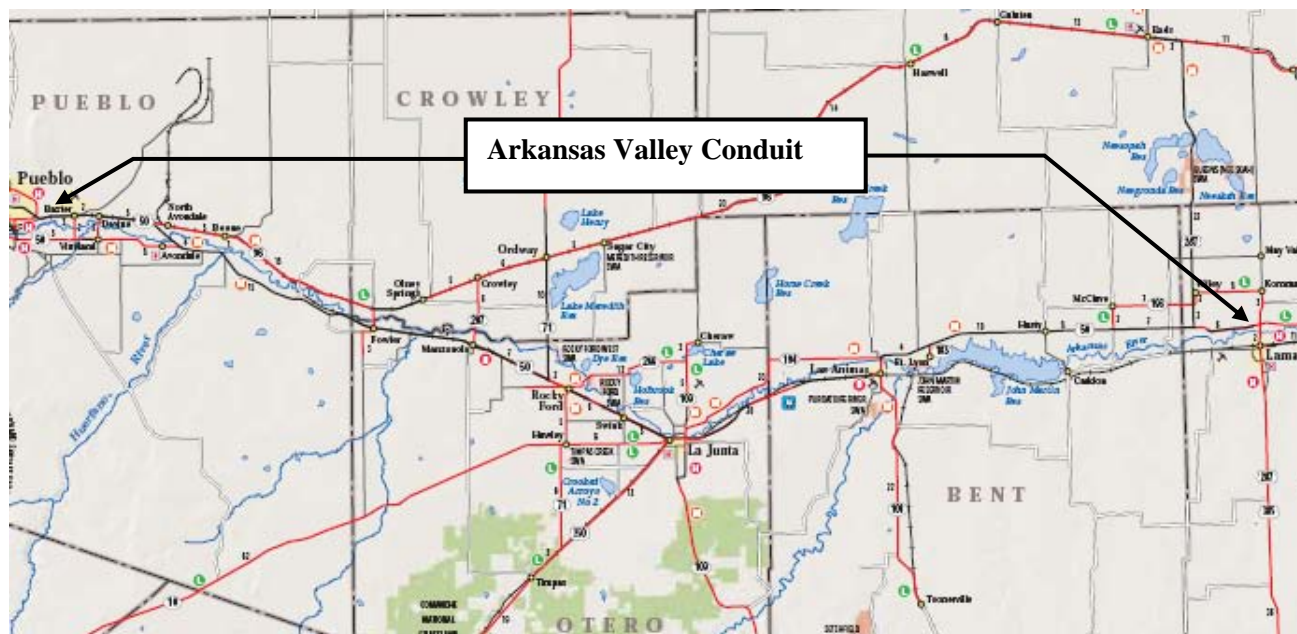
**Aver. Delivery:** 6,555 AF (2005 demand)

**CWCB Construction Fund Loan:** \$60,600,000  
(incl. 1% loan fee)

**Interest Rate:** 3.25%

**Term:** 30 years

The Arkansas Valley Conduit is designed to bring relatively clean raw water to 41 water providers in the lower Arkansas Valley, who currently either take water from the Arkansas River, and/or pump from shallow and/or deep aquifers. This pumped water has quality problems and requires significant treatment before it meets Clean Drinking Water standards. The conduit will begin at Pueblo Reservoir Dam, where a 30.94 cfs municipal outlet is already in place and reserved for the specific use of the conduit. The conduit will gravity flow approximately 138 miles down the Arkansas River Valley to Lamar. The conduit water will flow by the St. Charles Mesa Water District where it will enter a water filtration plant. As the conduit moves down the valley, spurs will take off the main line to deliver water to local and regional water providers. The conduit will receive its water from the USBR Fryingpan-Arkansas Project. Currently, about 5,779 acre-feet of water per year is available for entities East of Pueblo in an average year. Additionally, Return Flows are retained by the District and can be exchanged back up to Pueblo Reservoir for delivery. These Return Flows can provide up to an additional 1,600 acre-feet of water. Storage is available to these entities in Pueblo Reservoir because they are in the SECWCD service area. This storage will help provide water in the years when less than average water is provided by the Fry-Ark Project. The water will be provided strictly for municipal and industrial purposes. Final chlorination or treatment will be left up to each water provider. The conduit is currently planned to be paid 80% (approximately \$240 million) by the federal government.



Location Map

**CWCB Water Project Loan Program  
Project Data Sheet**

**Borrower:** Lake Durango Water Authority**County:** La Plata**Project Name:** Source Water Supply Project**Project Type:** Water Rights  
Purchase/Infrastructure**Drainage Basin:** San Juan / Dolores**Water Source:** ALP**Total Project Cost:** \$3,000,000**Funding Source:** Construction Fund and  
WSRA Statewide Funds**Type of Borrower:** Low-income Municipal**Average Delivery:** 309 AF**CWCB Loan:** \$2,525,000 (w/ 1% service fee)**Interest Rate:** 4.0% **Term:** 30 years**WSRA Grant:** \$500,000

The Lake Durango Water Authority serves 1,435 taps in southwest La Plata County. A safe yield analysis has indicated that the Authority can only supply water to 792 taps in a drought year. This was an issue in the 2002-2003 drought, so the Authority is seeking additional supply and storage to safely serve its customers. The Authority is planning on purchasing 100 AF of A-LP water from the Colorado Water Resources and Power Development Authority, constructing a pump station at Lake Nighthorse, building an access road, and installing a pipeline to bring water from Lake Nighthorse to Lake Durango (where the Authority currently stores the majority of its water).



0 0.4 0.8 1.6 2.4 Miles

2009 NAIIP aerial imagery provided by  
the US Farm Service Agency





### Water Project Loan Program - Project Data

**Borrower:** The McDonald Ditch Company

**County:** Rio Grande

**Project Name:** McDonald Ditch Diversion and Headgate Replacement Project

**Project Type:** Ditch Rehabilitation

**Drainage Basin:** Rio Grande, District 20

**Water Source:** Rio Grande River

**Total Project Cost:** \$650,000 (Construction)  
Engineering provided by NRCS

**Funding Source:** Construction Fund

**Type of Borrower:** Agricultural

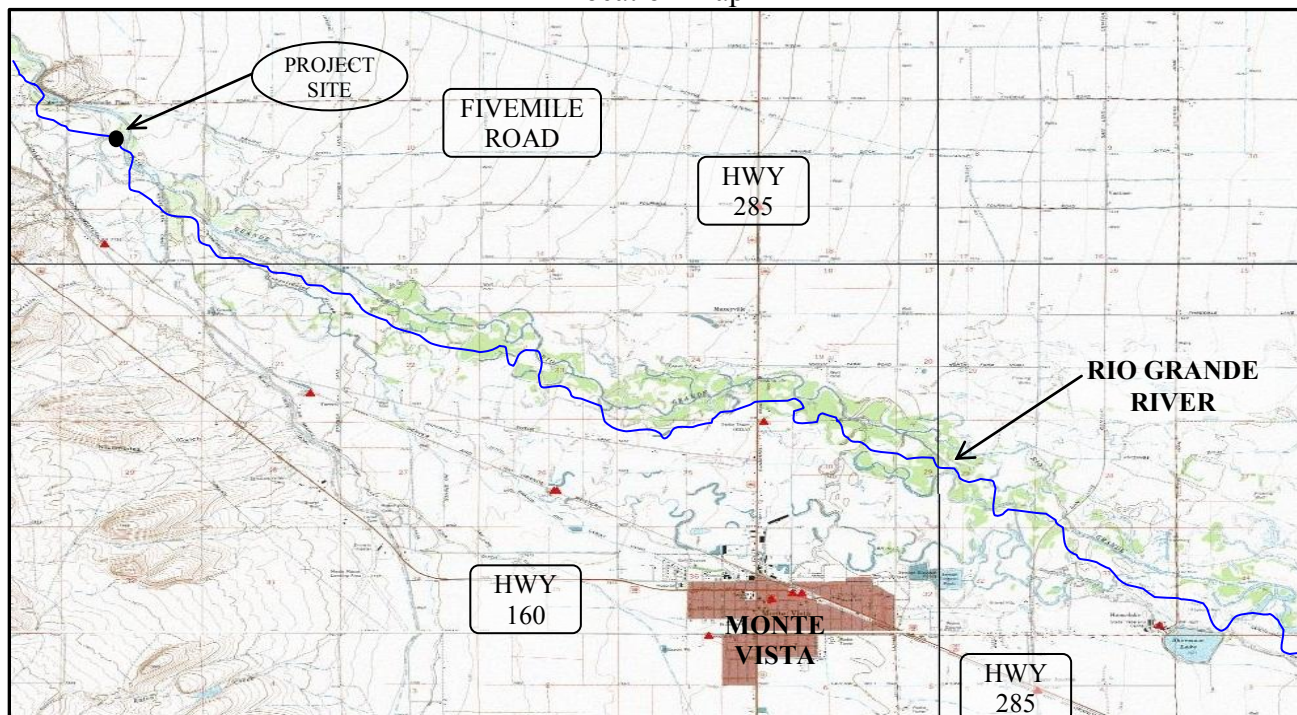
**Avg. Annual Diversion:** 5,018 AF

**CWCB Loan:** \$70,700 (incl. 1% loan fee)

**Interest Rate:** 2.50% **Term:** 20 years  
(reduced from a 2.75% 30-year ag. rate)

The existing diversion structure and ditch headgate, constructed over forty years ago, were poorly designed, are rapidly deteriorating, and present a growing maintenance burden for the Company. The diversion structure was constructed from concrete rubble, dirt, wooden debris, and an old bridge pier. The diversion is inefficient, aging, and functions poorly. The headgate consists of a rusted single slide gate that is set back from the river and uses a section of an old metal fence as a screening device. Sediment and debris are prone to build up around the gate, decreasing its efficiency while increasing maintenance costs. Both the diversion and headgate were highlighted as rehabilitation priorities in a study performed in 2001. The study analyzed the condition of riparian habitats and structures along a 91-mile reach of the Rio Grande from the town of South Fork to Alamosa that triggered a more localized effort known as the Plaza Project. This project provides an environmentally sensitive solution for increasing the efficiency of the ditch with a less maintenance intensive diversion and headgate. Construction is scheduled to begin in November of 2012.

Location Map

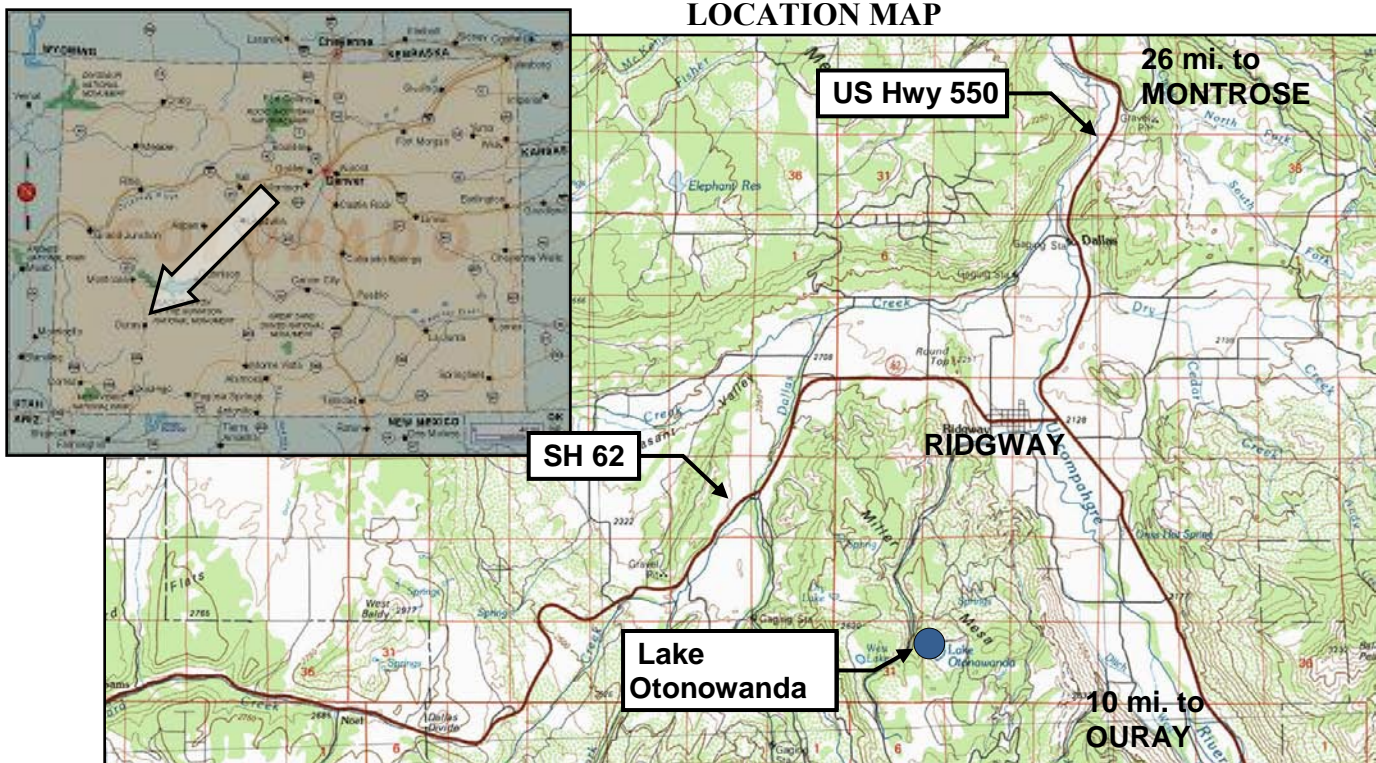


## CWCBC Construction Loan Program Project Data Sheet

**Borrower:** Town of Ridgway**County:** Ouray**Project Name:** Lake Otonowanda Rehabilitation Project**Project Type:** Reservoir Enlargement**Drainage Basin:** Gunnison, District 68**Water Source:** Ridgway Ditch**Total Project Cost:** \$2,080,843**Funding Sources:** Construction Fund, WSRA, DOLA, CO River District**Type of Borrower:** middle-income municipal**Avg. Diversion:** 280 AF (363 AF of reservoir storage)**Loan Amount:** \$606,000 (Including 1% fee)**Interest Rate:** 3.0%**Term:** 30 years**WSRA Grant Amounts:** \$60,000 Gunnison Basin & \$540,000 Statewide

The Town of Ridgway is requesting a CWCBC loan for rehabilitation improvements and enlargement of Lake Otonowanda to ensure a reliable water supply of raw water is available under future drought conditions. Otonowanda is the primary storage facility for the town, responsible for treating and delivering potable water to 695 SFE. Otonowanda, with a current capacity of 109 AF, does not have a functional outlet works; therefore, no way to control reservoir discharge. During 2002, all of the Town's water rights fell out of priority due to extended drought conditions and the Town was dangerously close to running out of water. The improvements to the reservoir, including: replacement of the outlet works, reservoir lining and a 254-AF enlargement, will provide the Town the ability to store more of its adjudicated water rights and a controlled means to release the water, firming the Town's water supply in the event of future call outs.

### LOCATION MAP





# CWCB Water Project Loan Program Project Data Sheet

**Borrower:** Roxborough Water and Sanitation District, Water Activity Enterprise

**County:** Douglas

**Project Name:** Raw Water Supply Project

**Project Type:** Water Acquisition

**Basin:** South Platte **District:** 8

**Water Source:** South Platte

**Total Project Cost:** \$26,313,150

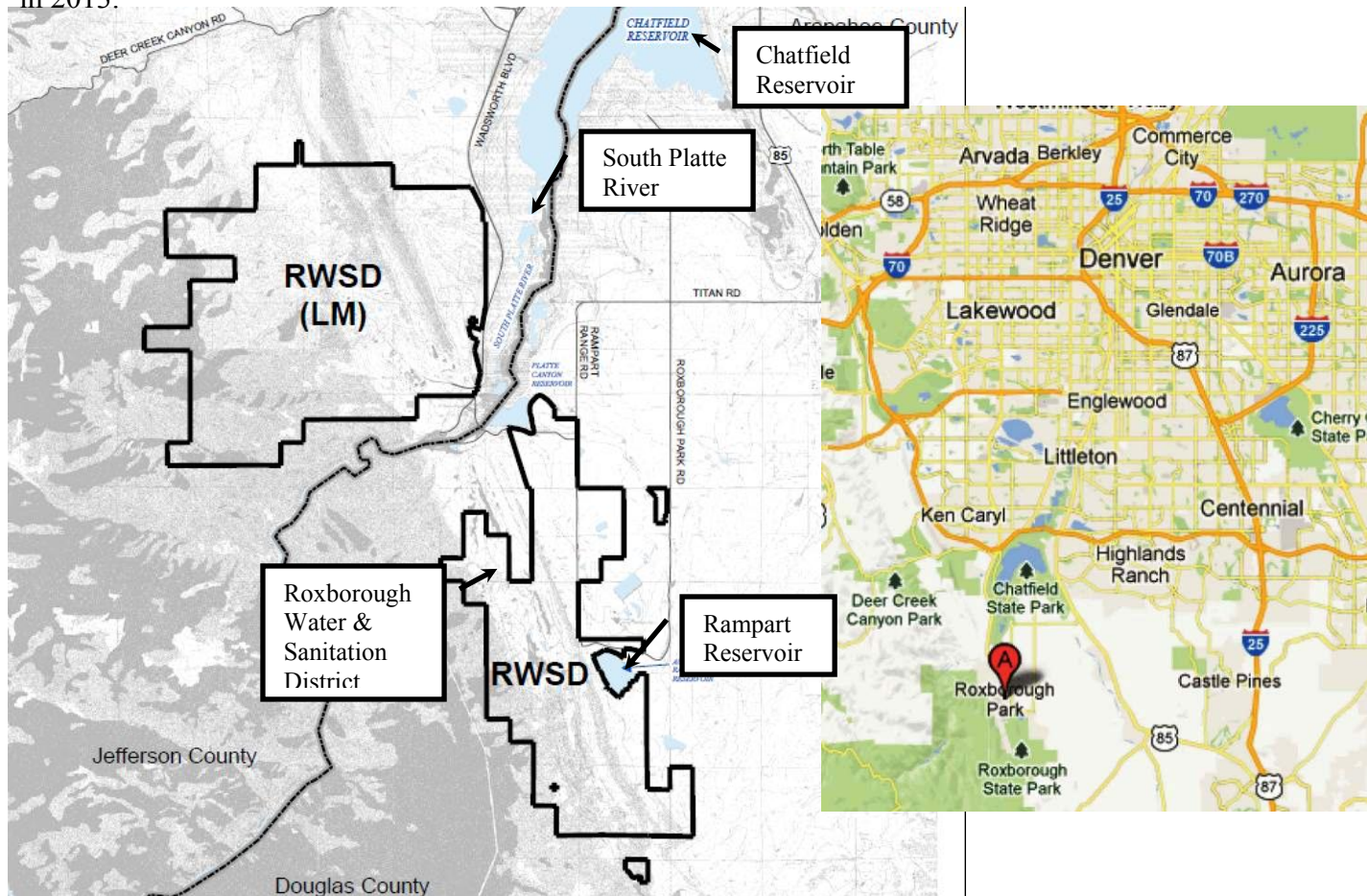
**Funding Source:** Construction Fund

**Type of Borrower:** High-income municipal

**Average Annual Diversion:** 1,141 AF

**CWCB Loan:** \$18,538,550 (w/ 1% service fee) **Interest Rate:** 3.25% **Term:** 30-years

The Roxborough Water and Sanitation District is applying for a loan for the Raw Water Supply Project. Since 1972 the District has been leasing water from Aurora through an agreement that expires in 2022. After many years of discussion, the District has reached an agreement with Aurora to purchase a permanent raw water supply. The agreement is based on the use of Aurora's existing and future raw water supplies and infrastructure. Through this agreement, the District is paying a connection fee for 3,400 Equivalent Residential Units. Aurora will deliver up to 1,800 AF annually through its existing system for treatment by the District. In addition, 285 AF will be delivered annually for irrigation customers within the District. The agreement is expected to be implemented in 2013.





# CWCB Water Project Loan Program Project Data Sheet

**Borrower:** City of Greeley,  
Water and Sewer Enterprise

**County:** Larimer

**Project Name:** High Park Fire Restoration

**Project Type:** Watershed Protection

**Basin:** South Platte **District:** 3

**Water Source:** Cache La Poudre

**Total Project Cost:** \$7,400,000

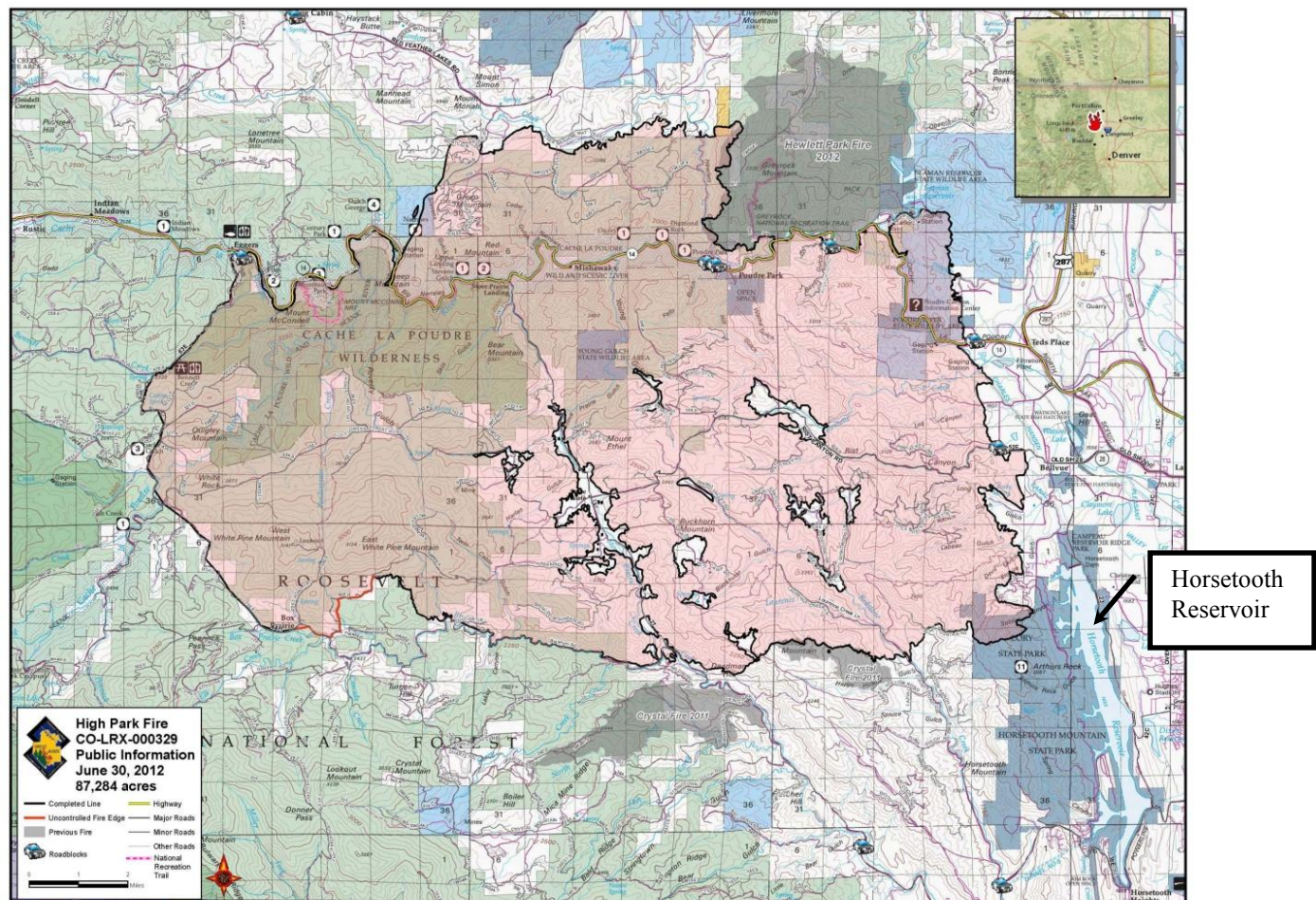
**Funding Source:** Severance Tax Trust Fund  
Perpetual Base Account

**Type of Borrower:** High-income municipal

**Average Annual Diversion:** 9,000 AF

**CWCB Loan:** \$2,020,000 (w/ 1% service fee) **Interest Rate:** 0% **Term:** 20-years

The City of Greeley is applying for a loan for to protect portions of the Poudre watershed damaged by the High Park Fire that damaged 87,000 acres in the summer of 2012. Through the Burned Area Emergency Response (BAER) report 5,500 acres of non-federal land were identified as needing treatment including aerial application of seeded mulch for soil stabilization; and check structures to catch ash, debris and sediment; and, contour felling to reduce flash flood risk. Because much of the City's municipal water supply diversions are within the burn perimeter, watershed restoration is critical. Efforts began immediately after the fire was contained in July of 2012. These efforts are expected to resume in the spring of 2013 as soon as weather permits.

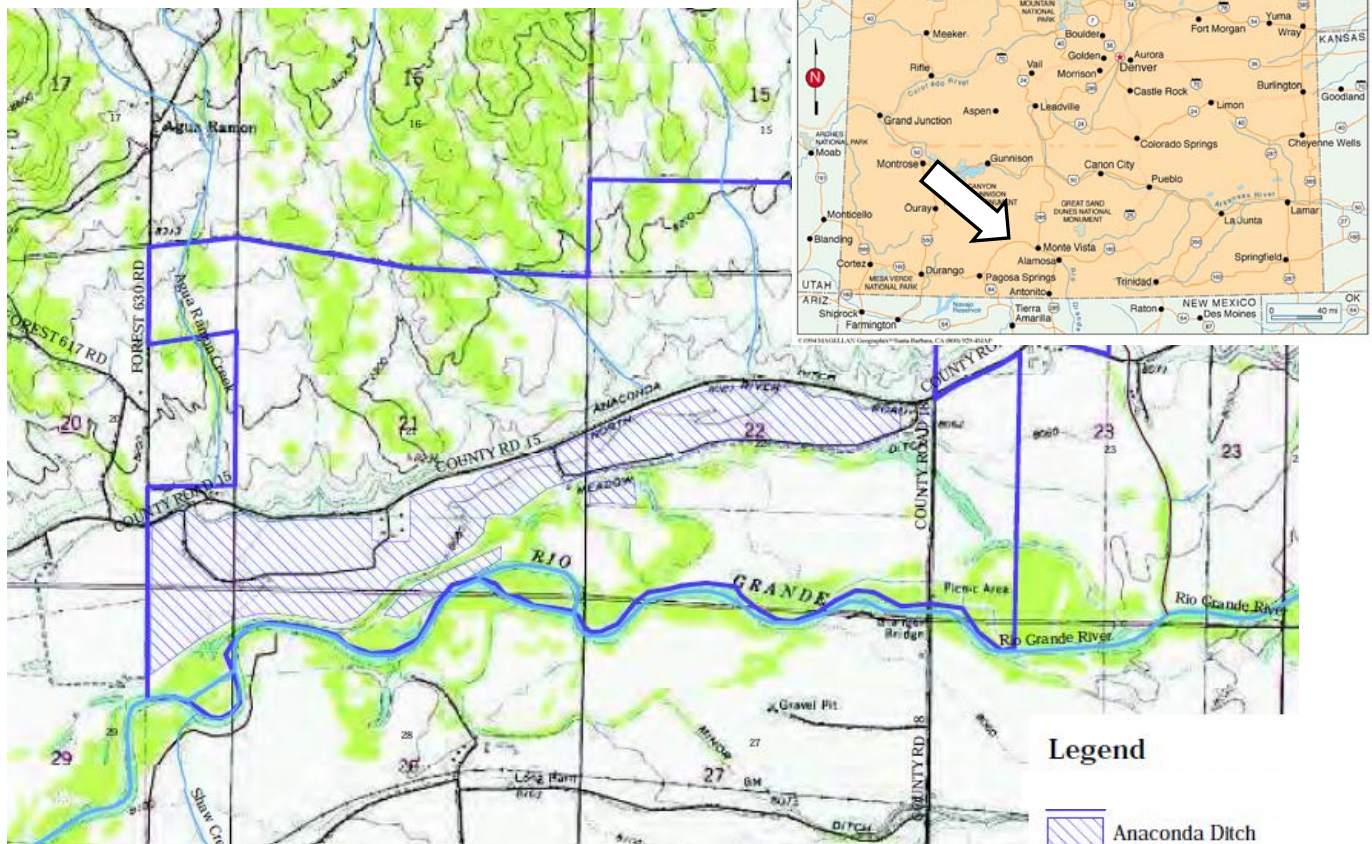




## Water Project Loan Program - Project Data Sheet

<b>Borrower:</b> San Luis Valley Water Conservancy District <b>Project Name:</b> Anaconda Ditch Water Right Acquisition <b>Drainage Basin / District:</b> Rio Grande / 20 <b>Total Project Cost:</b> \$923,000 <b>Type of Borrower:</b> Municipal Low Income <b>CWCB Loan:</b> \$839,000 (Including 1% fee)	<b>County:</b> Alamosa <b>Project Type:</b> Water Rights <b>Water Source:</b> Rio Grande River <b>Funding Sources:</b> Construction Fund <b>Average Delivery:</b> 386 acre-feet <b>Interest Rate:</b> 2.5% <b>Term:</b> 30 years
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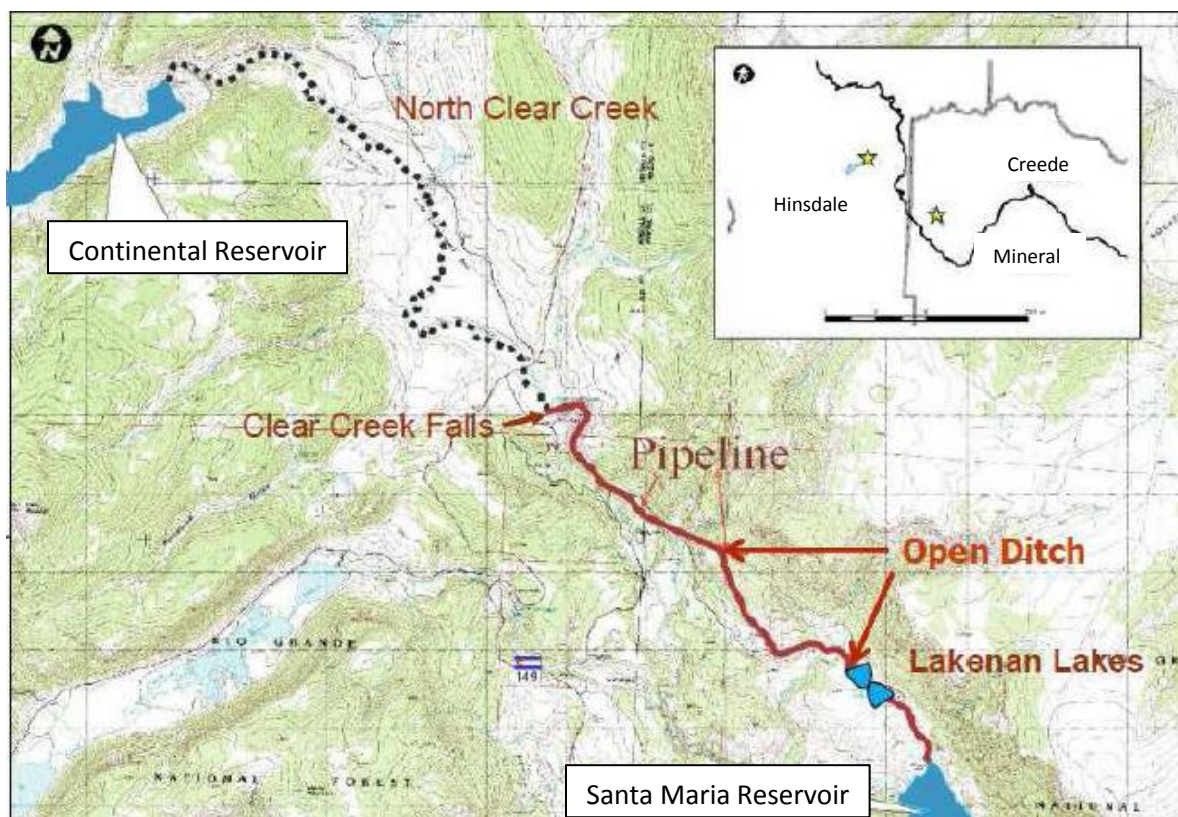
The San Luis Valley Water Conservancy District (District) operates an augmentation program servicing portions of Rio Grande, Alamosa, Saguache, Hinsdale and Mineral Counties. The augmentation program was developed to offset river depletions from wells serving residential and commercial uses in the area. The District intends to acquire additional water rights to add to its existing program, including the subject of this loan request, the Anaconda Ditch water rights. The District is purchasing a 58% interest in the ditch providing an estimated 260 acre-feet. The purchase will be finalized once the water rights have been through water court. The decree is expected in the fall of 2013.



**Water Project Loan Program  
Project Data Sheet**

<b>Borrower:</b>	Santa Maria Reservoir Company	<b>County:</b>	Hinsdale & Mineral		
<b>Project Name:</b>	Santa Maria Siphon and Canal System Rehabilitation Project	<b>Project Type:</b>	Dam Rehabilitation & Ditch Rehabilitation		
<b>Drainage Basin:</b>	Rio Grande / District 20	<b>Water Source:</b>	North Clear Creek		
<b>Total Project Cost:</b>	\$1,855,000	<b>Funding Source:</b>	Construction Fund and Water Supply Reserve Account Grants		
<b>Type of Borrower:</b>	Agricultural	<b>Avg. Annual Diversion:</b>	6,300 AF		
<b>CWCB Loan:</b>	\$1,405,163 (w/ 1% service fee)	<b>Interest Rate:</b>	1.75%	<b>Term:</b>	30 years

Santa Maria Reservoir Company owns and operates Continental Reservoir (27,000 AF) and Santa Maria Reservoir (43,500 AF), located in the Rio Grande River Basin near Creede, Colorado. Santa Maria and Continental operate in conjunction with each other via a century old conveyance system made up of a pipeline, siphon, and open ditch. For the past 20 years, Continental has been under a storage restriction due to seepage issues, limiting the storage to 15,000 AF. The Company is planning a two phased approach to rehabilitate its system. The first phase (the subject of this funding request) is the rehabilitation of the conveyance system between the reservoirs including repairs to the siphon and lining of the canal. Construction is expected to occur in the summer/fall of 2013.





**CWCB Water Project Loan Program  
Project Data Sheet**

**Borrower:** Missouri Heights - Mountain Meadows Irrigation Company **County:** Eagle, Garfield

**Project Name:** Irrigation Ditch Lining Project

**Project Type:** Ditch Rehabilitation

**Drainage Basin:** Colorado

**Water Source:** Roaring Fork

**Total Project Cost:** \$550,000

**CWCB Funding Source:** Construction Fund

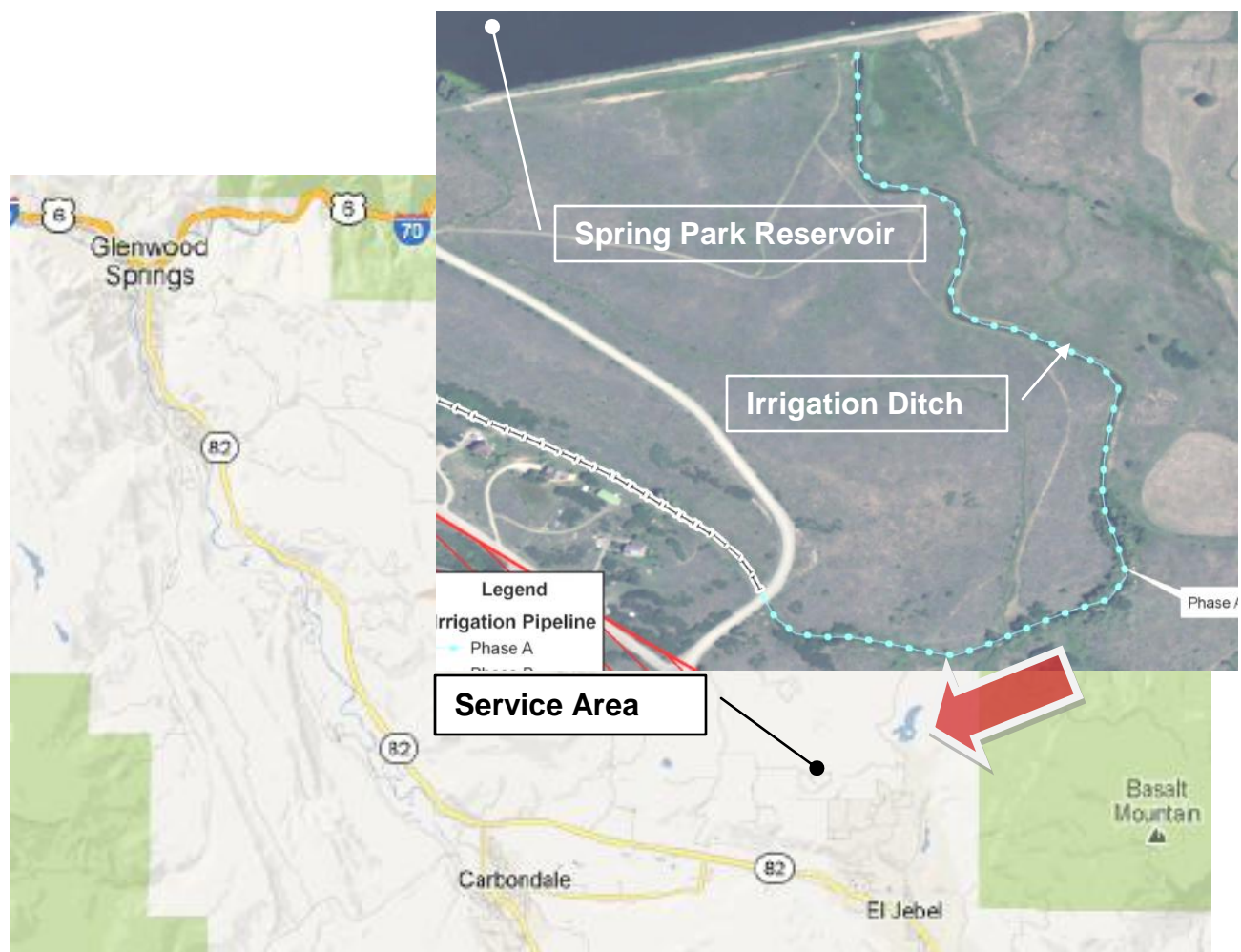
**Type of Borrower:** Agricultural/High Income

**Average Annual Diversion:** 4,480 AF

**CWCB Loan:** \$454,500 (w/ 1% service fee)

**Interest Rate:** 2.2% Blended **Term:** 30yr

Missouri Height Mountain Meadows Irrigation Company provides irrigation water to approximately 1,500 acres of ranch land located 12 miles northeast of Carbondale. The Company worked with the Natural Resources Conservatio service (NRCS) to evaluate losses within its ditch. A one-mile section has been identified as an area of high seepage, with losses estimated at 30%. The NRCS is providing technical design assistance. The Company has applied for grant funding from additional sources. Construction is anticipated to occur in the fall of 2013.



**CWCB Water Project Loan Program  
Project Data Sheet**

**Borrower:** Boxelder Basin Regional Stormwater Authority

**County:** Larimer

**Project Name:** Larimer-Weld Canal & Boxelder Creek Crossing Structure

**Project Type:** Flood Control

**Drainage Basin / District:** South Platte / 3

**Water Source:** Boxelder Creek

**Total Project Cost:** \$1,139,000

**Funding Source:** Construction Fund

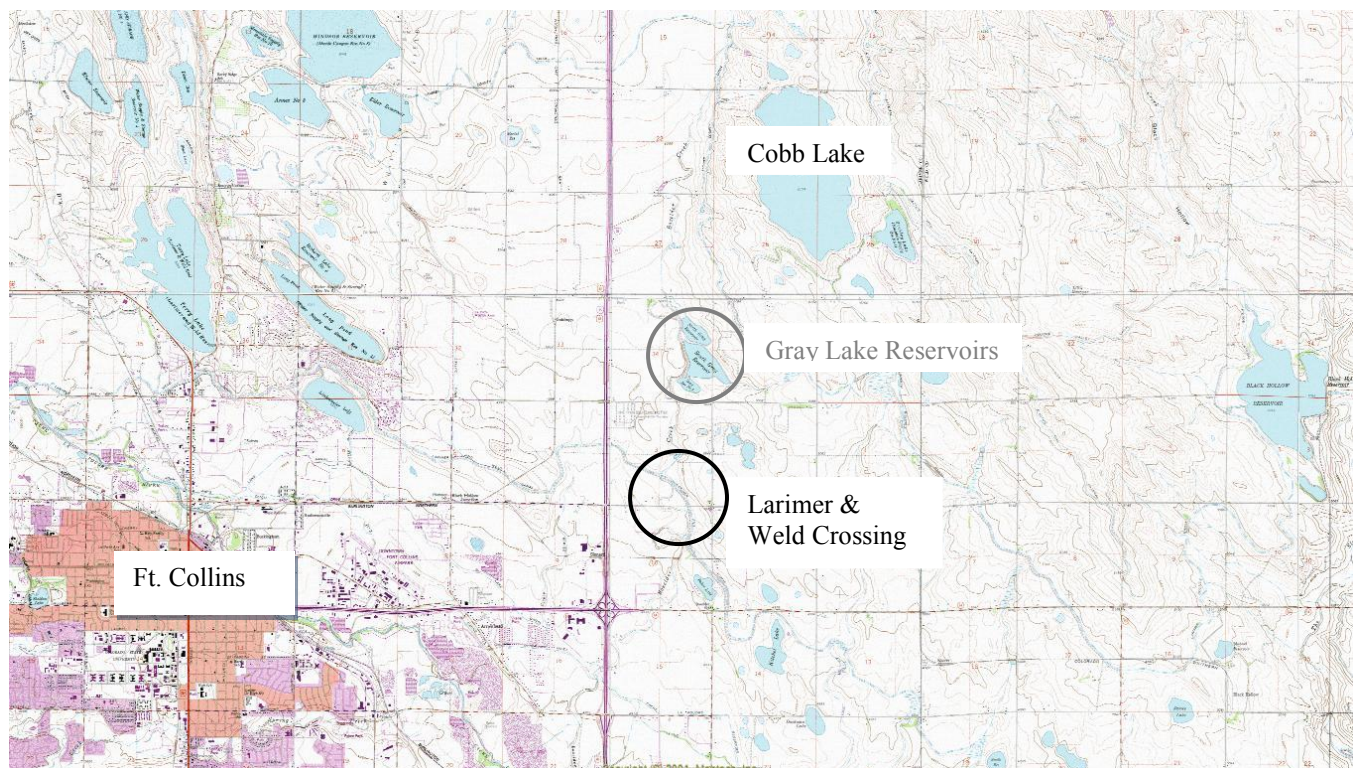
**Type of Borrower:** Middle Income Municipal

**Average Annual Diversion:** N/A

**CWCB Loan:** \$1,010,000  
(with 1% service fee)

**Interest Rate:** 2.75% **Term:** 15-years  
(rate reduced from 3.0% for middle income municipal)

The Boxelder Basin Regional Stormwater Authority was formed in 2008, through an IGA between the City of Fort Collins, Larimer County and the Town of Wellington, to facilitate the construction of regional flood control projects to reduce the threat of flooding and remove areas from the FEMA floodplain in the Boxelder Creek basin. The crossing structure will provide conveyance for 100-year flows from Boxelder Creek across the Larimer-Weld Canal in a safe and controlled manner. Currently the Boxelder Creek 100-year flows inundate the Larimer and Weld Canal and cause it to overflow west of I-25 into the Cooper Slough drainage within the City of Fort Collins. The design of the crossing structure calls for the construction of a side-flow spillway. Construction is expected to occur between the fall of 2014 through the spring of 2014. Repayment for the project will come from stormwater service and system development fees collected by the Authority.





**CWCB Water Project Loan Program  
Project Data Sheet**

**Borrower:** Boxelder Basin Regional Stormwater Authority

**County:** Larimer

**Project Name:** East Side Detention Facility

**Project Type:** Flood Control

**Drainage Basin/ District:** South Platte / 3

**Water Source:** Boxelder Creek

**Total Project Cost:** \$8,761,000

**Funding Source:** Construction Fund

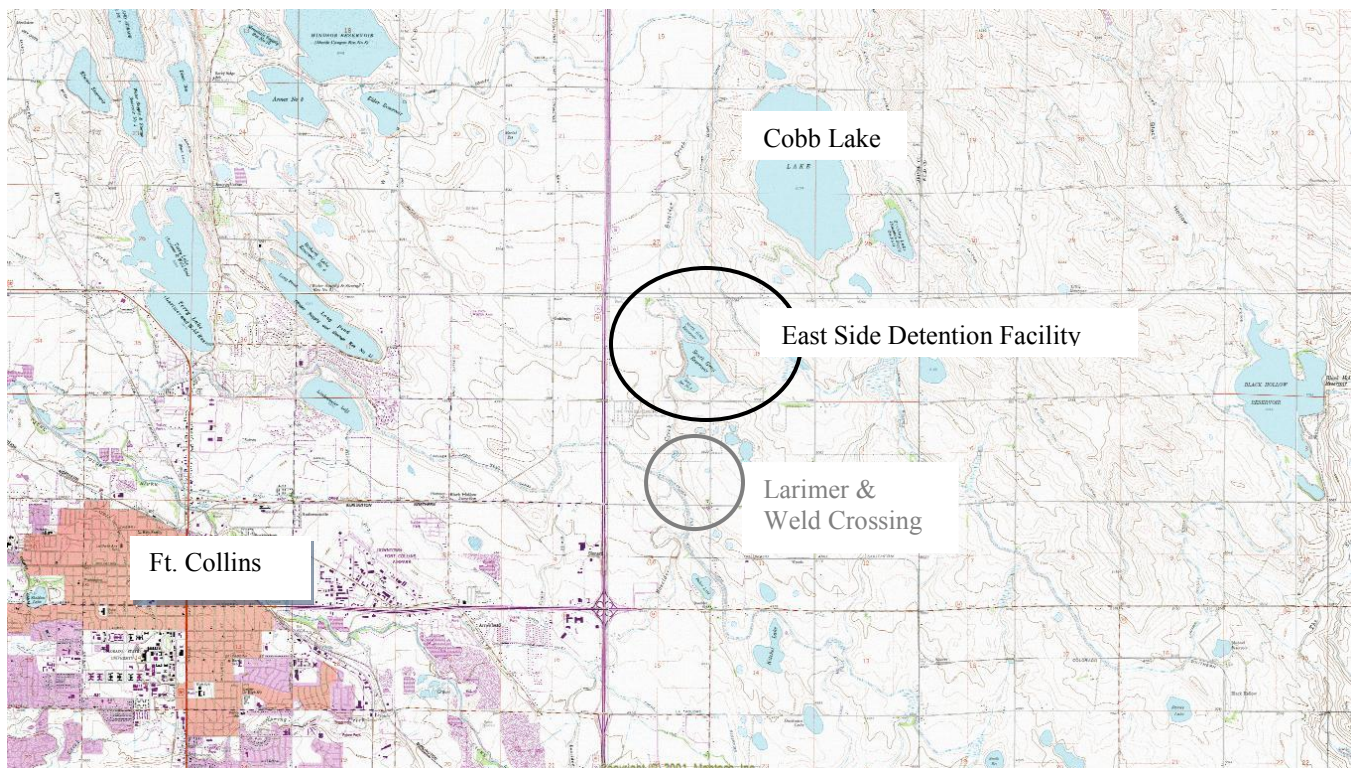
**Type of Borrower:** Middle Income Municipal

**Average Annual Diversion:** N/A

**CWCB Loan:** \$7,171,000  
(with 1% service fee)

**Interest Rate:** 2.75% **Term:** 15-years  
(Reduced from 3.0% for middle income municipal)

The Boxelder Basin Regional Stormwater Authority was formed in 2008, through an IGA between the City of Fort Collins, Larimer County and the Town of Wellington, to facilitate the construction of regional stormwater improvements to reduce the threat of flooding and remove areas from the FEMA floodplain in the Boxelder Creek basin. The East Side Detention Facility is a key component in the Authority's master plan. The detention facility will provide 1,800 AF of detention storage and will decrease downstream flows from approximately 6,700 cfs to 2,400 cfs. The reduced flow rate will allow 100-year flows to be contained in the current cross-section of Boxelder Creek and will eliminate the flow that occurs in the 100-year flood plain below the proposed detention facility. Construction is expected to take one year beginning in December of 2013. Repayment for the project will come from stormwater service and system development fees collected by the Authority.





# CWCB Water Project Loan Program Project Data Sheet

**Borrower:** Grand Mesa Water Conservancy District

**County:** Delta

**Project Name:** Peak Reservoir and Blanche Park Reservoir Rehabilitation

**Project Type:** Reservoir Rehabilitation

**Drainage Basin/ District:** Gunnison / 40

**Water Source:** Surface Creek

**Total Project Cost:** \$640,000

**Funding Source:** Construction Fund/  
WSRA Gunnison Basin Funds

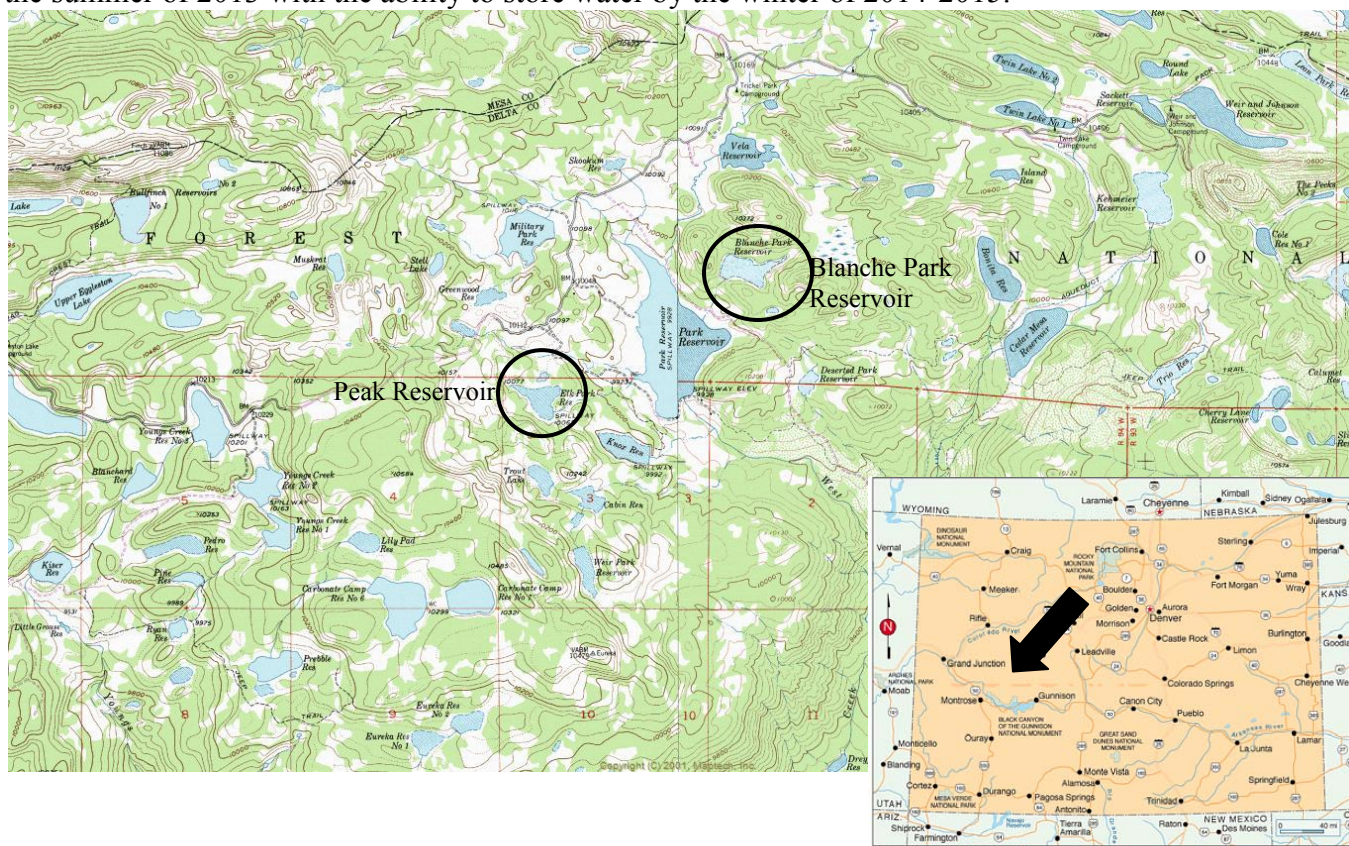
**Type of Borrower:** Municipal/Agricultural

**Average Annual Diversion:** 400 AF  
**Storage Added:** 155 AF

**CWCB Loan:** \$227,250  
(with 1% Service Fee)

**Interest Rate:** 1.55%\* **Term:** 20 years  
(Reduced from 1.8% blended rate)

The Grand Mesa Water Conservancy District owns several reservoirs and a network of ditches to service agricultural users and municipal users including the Town of Orchard City and Cedaredge. It is requesting a loan to rehabilitate Peak Reservoir and Blanche Park. Both reservoirs are located in the Grand Mesa National Forest and have not been used in nearly 50 years. The District has already contributed \$352,500 towards Project costs and has also been awarded \$75,000 in Water Supply Reserve Account (WSRA) Gunnison Basin Roundtable grant funds. Peak Reservoir involves earthwork on the dam and new outlook works. Blanche Park reservoir work will be a complete rebuilding of the dam. Construction is expected to resume in the summer of 2013 with the ability to store water by the winter of 2014-2015.





**CWCB Water Project Loan Program  
Project Data Sheet**

**Borrower:** Two Rivers Water and Farming Company

**County:** Huerfano / Cucharas

**Project Name:** Arkansas Storage Facility

**Project Type:** New Reservoir Construction

**Drainage Basin/ District:** Arkansas / 14

**Water Source:** Arkansas River

**Total Project Cost:** \$12,459,000

**Funding Source:** Construction Fund

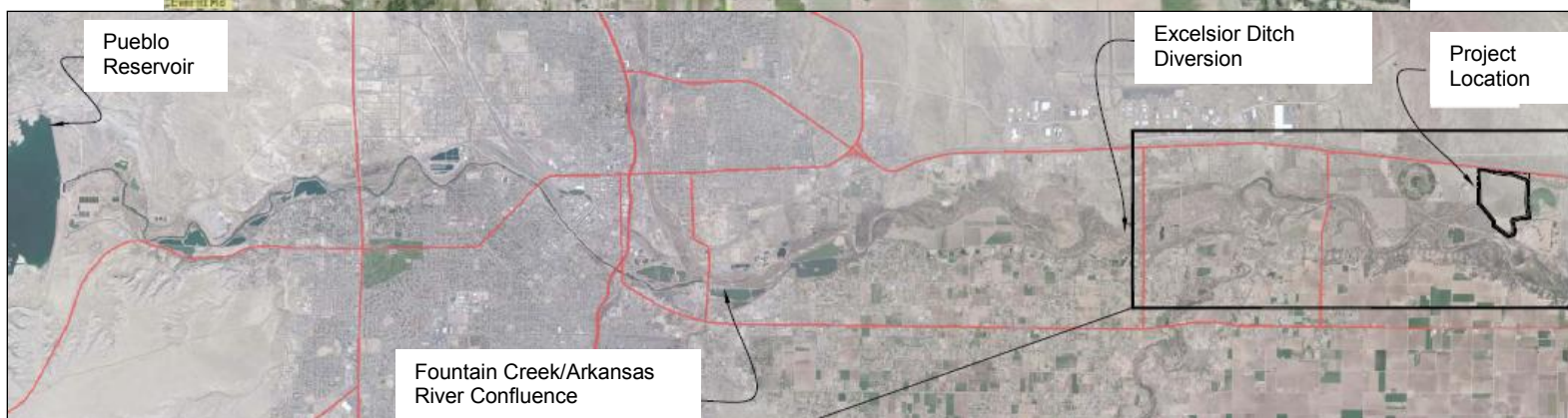
**Type of Borrower:** Agricultural

**Average Annual Diversion:** AF  
**Storage Added:** 4,110 AF

**CWCB Loan:** \$9,999,000  
(with 1% Service Fee)

**Interest Rate:** 1.25%\* **Term:** 10 years  
(Reduced from 1.75%)

Two Rivers Water and Farming Company currently farms 1,926 acres in Pueblo County and 150 acres in Huerfano County. It is developing a business model that integrates farming and wholesale water distribution through rotational fallowing. Fallowing agreements will be made between Two Rivers and municipalities making surplus irrigation water available for municipal use during droughts, and conversely making excess municipal water available for irrigation when the water supply is available. In order to make this model work, additional water storage is needed. Ultimately, Two Rivers intends to build 25,000 AF of gravel pit storage through a multi-phase project. The first phase will be the development of 4,110 AF of storage located adjacent to the Arkansas River 10 miles east of Pueblo. Design and permitting are scheduled to begin mid-2013 through mid-2014. Construction is expected to follow beginning in mid-2014.



# STATE OF COLORADO

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## Colorado Water Conservation Board Department of Natural Resources

1313 Sherman Street, Room 721  
Denver, Colorado 80203  
Phone: (303) 866-3441  
Fax: (303) 866-4474  
www.cwcb.state.co.us



TO: Colorado Water Conservation Board Members

FROM: Anna Mauss, P.E. Loan Marketing  
Finance & Administration Section

DATE: July 3, 2013

SUBJECT: **Directors Report, July 16-17, 2013 Board Meeting**  
**Finance– Current Prequalified Project List and Loan Prospect Summary**

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John W. Hickenlooper  
Governor

Mike King  
DNR Executive Director

James Eklund  
CWCB Director

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The Finance Section compiles a list of prequalified projects for the Water Project Loan Program. In order to be included on this list, potential borrowers must submit a Loan Application and two years of financial statements to the CWCB staff. In addition, Borrowers requesting to be placed on the Prequalification Project List have a defined project, have performed preliminary engineering, and have a reasonable estimate of the project costs.

Projects on this list fit the initial criteria of the Water Project Loan Program; however, the list does not constitute loan approval. In order to receive a loan, borrowers must additionally submit a completed Loan Feasibility Study for review by CWCB staff. Staff will then prepare a recommendation to the Board for approval at a future CWCB meeting. Projects will remain on this list for one year from the date of the application or until Board approval of a loan.



### Prequalified Project List

BORROWER	PROJECT NAME	APPLICATION DATE	BASIN	PROJECT DESCRIPTION	PROJECT COST	LOAN AMOUNT
<b>Previously Approved Applications</b>						
Donald Shahan	Crowley Dam Rehabilitation	May 1, 2013	San Juan / Dolores	This project involves the replacement of the outlet pipe and spillway repair at Crowley Reservoir.	\$260,000	\$234,000
Lone Cabin Ditch and Reservoir Company	Lone Cabin Dam Repair Project	March 1, 2013	Gunnison	Lone Cabin Reservoir is currently under a storage restriction by the SEO due to slumping issues on the dam. The Company intends to repair the dam to restore its full storage capacity and is looking for WSRA grant funding in addition to the loan.	\$364,000	\$327,000
Cottonwood Water and Sanitation District	WISE Partnership	January 1, 2013	Metro	The Water Infrastructure and Supply Efficiency Partnership is a regional water supply project between Aurora, Denver Water, and South Metro to combine excess water supplies and system capacities to create a more sustainable water supply.	\$120,000,000	\$4,600,000
Castle Pines North Metropolitan District	WISE Partnership	January 1, 2013	Metro	The Water Infrastructure and Supply Efficiency Partnership is a regional water supply project between Aurora, Denver Water, and South Metro to combine excess water supplies and system capacities to create a more sustainable water supply.	\$120,000,000	\$8,400,000

Dominion Water and Sanitation District	WISE Partnership	January 1, 2013	Metro	The Water Infrastructure and Supply Efficiency Partnership is a regional water supply project between Aurora, Denver Water, and South Metro to combine excess water supplies and system capacities to create a more sustainable water supply.	\$120,000,000	\$32,400,000
Pinery Water and Sanitation District	WISE Partnership	January 1, 2013	Metro	The Water Infrastructure and Supply Efficiency Partnership is a regional water supply project between Aurora, Denver Water, and South Metro to combine excess water supplies and system capacities to create a more sustainable water supply.	\$120,000,000	\$11,400,000
Rangeview Metropolitan District	WISE Partnership	January 1, 2013	Metro	The Water Infrastructure and Supply Efficiency Partnership is a regional water supply project between Aurora, Denver Water, and South Metro to combine excess water supplies and system capacities to create a more sustainable water supply.	\$120,000,000	\$6,300,000
Stonegate Village Metropolitan District	WISE Partnership	January 1, 2013	Metro	The Water Infrastructure and Supply Efficiency Partnership is a regional water supply project between Aurora, Denver Water, and South Metro to combine excess water supplies and system capacities to create a more sustainable water supply.	\$120,000,000	\$7,600,000
Rio Grande Water Conservation District	Atkins Ranch Water Right Purchase	January 1, 2013	Rio Grande	This project is the purchase of a water right that was historically used for irrigation and changing the water right to provide replacement water for well depletions.	\$1,800,000	\$1,500,000

Rio Grande Water Conservation District	Treasure Pass Transmountain Diversion Water Rights Purchase	January 1, 2013	Rio Grande	This project is the purchase of a privately held transmountain diversion to provide water to replace injurious well depletions to the Rio Grande River.	\$2,335,000	\$2,100,000
Totals					\$124,499,000	\$74,861,000



The Finance Section also compiles a list of potential borrowers/projects for the Water Project Loan Program. This list represents borrowers that have contacted the CWCB about a potential need for funding but have not submitted a loan application and/or a loan feasibility study.

## LOAN PROSPECTS

Basin	Last Contact	BORROWER	PROJECT NAME	PROJECT COST	LOAN AMOUNT
South Platte					
	11-Jan	East Larimer County Water District	Rigdon Storage Project		\$3,000,000
	11-Oct	NISP Participants	NISP		\$30,000,000
	13-June	Chatfield Reallocation Participants	Chatfield Reallocation Participants		\$90,000,000
	11-Dec	Pinehurst Country Club	Harriman Reservoir	\$5,000,000	\$500,000
	12-Feb	McKay Lateral	Ditch Lining Project		\$50,000
	12-Jun	Foothills Park & Recreation	Reservoir Expansion	\$10,000,000	\$900,000
	12-Oct	Shamrock Irrigation Company	Reservoir Rehabilitation		\$100,000
				<b>TOTAL</b>	<b>\$124,550,000</b>
Arkansas					
	11-Sep	Ditch and Reservoir company	Big Johnson Reservoir		\$8,000,000
	12-Oct	Highline Canal Company	Water Rights Purchase	\$4,500,000	\$4,100,000
	12-Feb	Colorado City Metro District	Beckwith Dam Repair		\$500,000
	13-Apr	City of Walsenburg	Reservoir(s) Rehabilitation		\$6,000,000
				<b>TOTAL</b>	<b>\$18,600,000</b>
San Miguel/Juan					
	11-Feb	City of Ouray	Red Mountain Ditch Rehabilitation	\$200,000	\$200,000
				<b>TOTAL</b>	<b>\$200,000</b>
Colorado					
		Highland Ditch Co	Ditch Rehabilitation Project	\$200,000	\$200,000
		Ian Carney - Felix Tornare	Polaris Reservoir Rehabilitation	\$500,000	\$500,000
				<b>TOTAL</b>	<b>\$700,000</b>
Gunnison					
	12-Oct	Fire Mountain Canal & Reservoir Co.	New Reservoir		\$500,000
				<b>TOTAL</b>	<b>\$500,000</b>
Rio Grande					
	13-June	Manasa Land & Irrigation Co.	Ditch Rehabilitation		\$1,000,000
				<b>TOTAL</b>	<b>\$1,000,000</b>

Yampa					
				<b>TOTAL</b>	<b>\$0</b>

Information shown is based on current staff knowledge and will likely change as Loan Prospects develop

**Recent inquiries:**

Town of Windsor – Gravel pit storage and water rights purchase

North Poudre Irrigation Company – Dam rehabilitation

Plum Valley Heights – Water infrastructure



Basin	Applicant	Name of Water Activity	CWCB Meeting	Basin Account Approved	Statewide Amount Approved	Total Request	Type of Water Activity	PM	Actions/Comments/Notes
<b>2013 March Board Approvals</b>									
Arkansas	Southeastern Colorado Water Conservancy District	Arkansas River Basin Study	Mar-13	\$59,600	\$238,400	\$298,000	Other	Andy Moore	
Arkansas	Fountain Creek Watershed Greenway and Flood Control District	Fountain Creek Bank Restoration at the Frost Ranch	Mar-13	\$30,000	\$75,000	\$105,000	Nonconsumptive	Chris Sturm	
Colorado	Mr. William Grange	Grace and Shehi Diversion Rehabilitation Project (Phase I & II – Alternatives Evaluation & Detailed Design)	Mar-13	\$40,500	\$0	\$40,500	Agricultural	Jacob Bornstei	
Gunnison	Colorado Open Lands	Lake San Cristobal Inlet Preservation and Fishing Access Project	Mar-13	\$16,700	\$150,300	\$167,000	Nonconsumptive	Todd Doherty	
Gunnison	Lake Fork Water Conservancy District	Henson Creek and Lake Fork Confluence Channel Improvements	Mar-13	\$28,975	\$260,111	\$289,086	Agricultural	Chris Sturm	
Rio Grande	Mogote-Northeastern Consolidated Ditch Company	Quantifying Mogote/Romero Flows & Effects on the Conejos System	Mar-13	\$16,700	\$268,300	\$285,000	Agricultural	Greg Johnson	
Rio Grande	SANGRE DE CRISTO ACEQUIA ASSOCIATION	Culebra Watershed Vallejos Ditch Headgate Replacement	Mar-13	\$10,000	\$90,000	\$100,000	Agricultural	Greg Johnson	
Rio Grande	Santa Maria Reservoir Company	SANTA MARIA RESERVOIR SIPHON & CANAL SYSTEM REHABILITATION	Mar-13	\$23,000	\$440,750	\$463,750	Agricultural	Kirk Russell	
South Platte	Ducks Unlimited, Inc.	Prewitt Reservoir Wetland Partnership	Mar-13	\$45,414	\$45,414	\$90,828	Nonconsumptive	Todd Doherty	
Yampa/White	Route County Conservation District	Armstrong Creek Restoration Project	Mar-13	\$15,000	\$35,000	\$50,000	Nonconsumptive	Chris Sturm	
<b>2013 January Board Approvals</b>									
Arkansas	Purgatorie River Water Conservancy District	Purgatorie River Reach 3 Habitat Improvement Project	Jan-13	\$26,200	\$0	\$26,200		Chris Sturm	
<b>2012 September Board Approvals</b>									
Colorado	Blue River Watershed Group	Tenmile Creek Restoration Project	Sep-12	\$17,500	\$332,500	\$350,000	Nonconsumptive	Chris Sturm	
Gunnison	Town of Ridgway	Town of Ridgway Lake Otonowanda Renovation Project	Sep-12	\$60,000	\$540,000	\$600,000	Municipal & Industrial	Ryan Edwards	
Rio Grande	Sanchez Ditch & Reservoir Company	Sanchez Reservoir Phase 2 - Outlet Rehabilitation and Gate Tower Replacement	Sep-12	\$55,000	\$859,400	\$914,400	Agricultural	Anna Mauss	
<b>2011 September Board Approvals</b>									
Southwest	Lake Durango Water Authority	Lake Durango Water Authority/ Source Water Infrastructure	Sep-11	\$50,000	\$450,000	\$500,000	Municipal & Industrial	Ryan Edwards	\$450k Statewide funds approved - May 11, 2011 Board Meeting
<b>2011 July Board Approvals</b>									
Southwest	Pagosa Lake Property Owners Association	Pagosa Lakes Area Village Lake Dam Outlet Pipe Repair Project	Jul-11	\$25,000	\$0	\$25,000	Municipal & Industrial	Greg Johnson	
<b>2011 May Board Approvals</b>									
Colorado	Orchard Mesa Irrigation District	Canal #1 Check Structure Pilot Project at Dalton, Kiefer & Springer Properties	May-11	\$25,212	\$0	\$25,212	Agricultural	Jacob Bornstei	
<b>2011 March Board Approvals</b>									
Gunnison	Grand Mesa Water Conservancy District, Water Enterprise Fund	The Rehabilitation of Blanche Park Reservoir	Mar-11	\$75,000	\$0	\$75,000	Agricultural	Todd Doherty	
<b>2010 July Board Approvals</b>									
South Platte	Northern Colorado Water Conservancy District	Data Logger and Telemetry Installation Project	Jul-10	\$46,000	\$0	\$46,000	Agricultural	Todd Doherty	
<b>2010 May Board Approvals</b>									
Gunnison	Lake San Cristobal Water Activity Enterprise (LSCWAC)	Lake San Cristobal Outlet Structure	May-10	\$150,000	\$0	\$150,000	Municipal & Industrial	Todd Doherty	





Basin	Applicant	Name of Water Activity	CWCB Meeting	Basin Account Approved	Statewide Amount Approved	Total Request	Type of Water Activity	PM	Actions/Comments/Notes
2009 September Board Approvals									
Metro	CDPHE	Demonstration of membrane zero liquid discharge process for drinking water systems (\$50,000 Metro Basin Fund Contribution)	Sep-09	\$0	\$0	\$0		Greg Johnson	
2009 July Board Approvals									
Southwest	Town of Sawpit	Domestic Water System Construction	Jul-09	\$25,000	\$0	\$25,000	Municipal & Industrial	Greg Johnson	

**WSRA IN PROGRESS PROJECTS**

Updated 6/27/2013



Basin	Applicant	Name of Water Activity	CWCB Meeting	Basin Account Approved	Statewide Amount Approved	Total Request	Type of Water Activity	Number	Project Expiration Date
Arkansas	Colorado State University	Geospatial Decision Support System for Integrated Water Management in the Arkansas River Basin	Sep-08	\$100,000	\$500,000	\$600,000	Needs Assessment	C150441	6/30/13
Arkansas	Colorado State Parks	Helena Diversion Structure/BV Boat Chute Improvement Project	Mar-11	\$35,000	\$290,000	\$325,000	Nonconsumptive	CC150507	1/15/14
Arkansas	Lower Arkansas Valley Water Conservancy District	Super Ditch Delivery Engineering	Mar-11	\$0	\$225,837	\$225,837	Agricultural	C150490	10/31/13
Arkansas	City of Trinidad	North Lake Dam Rehabilitation Project	Mar-12	\$12,000	\$727,235	\$739,235	Municipal & Industrial	C150502	12/31/13
Arkansas	El Paso County by its Board of County Commissioners	Groundwater Quality Study - Phase 2 - Upper Black Squirrel Creek Alluvial Aquifer in the Arkansas River Basin	May-12	\$35,000	\$0	\$35,000		13IBC000018	3/31/15
Arkansas	Cross Creek Metropolitan District	Hale Reservoir Renovation – Final Design & Permitting	Sep-12	\$20,000	\$100,000	\$120,000	Municipal & Industrial	C150504	12/31/13
Arkansas	Pisgah Reservoir and Ditch Company	Mount Pisgah Dam/Wright's Reservoir Outlet Works Rehabilitation	Sep-12	\$25,000	\$136,345	\$161,345	Other	C150505	9/1/14
Arkansas	Upper Arkansas Water Conservancy District	Build, Assess, and Document Accounting and Administration Tools for Lease Following in the Arkansas River Valley	Sep-12	\$20,000	\$39,215	\$59,215	Agricultural	13IBC000017	1/31/15
Arkansas	Colorado Water Institute	Agricultural Economics and Water Resources: Methods, Metrics and Models - A Speciality Workshop	Mar-13	\$9,746	\$0	\$9,746	Education	C13IBC000025	12/31/13
Arkansas	Crowley County Board of Commissioners	Ordway Cattle Feeders Water Line Extension, Phase II	Mar-13	\$50,000	\$22,500	\$72,500	Agricultural	C150515	4/16/14
Arkansas	Arkansas Groundwater Users Association (AGUA)	A Multi-Media Program for Reporting Crop and Turf Water Use Estimates from the Colorado Agricultural Meteorological Network (CoAgMet)	Mar-13	\$9,394	\$37,577	\$46,971		13IBC000024	12/31/15
Arkansas Basin Total Request				\$316,140	\$2,078,709	\$2,394,849			
Number of Projects			11						
Arkansas/South Platte/Metro	Water Environment Research Foundation	Demonstration of Membrane Zero Liquid Discharge Process for Drinking Water Systems	Sep-08	\$25,000	\$700,000	\$725,000		C150456	9/30/14
Arkansas/South Platte/Metro Basin Total Request				\$25,000	\$700,000	\$725,000			
Number of Projects			1						
Colorado	Basalt Water Conservancy District	Missouri Heights	Sep-07	\$25,000	\$0	\$25,000	Needs Assessment	8000000049	3/31/14
Colorado	Town of Gypsum	L.E.D.E. Ditch and Reservoir Reconstruction	Sep-10	\$50,000	\$175,000	\$225,000	Municipal & Industrial	C150494	12/31/13
Colorado	Mesa Conservation District	Small Acreage Irrigation Audit Program	Mar-11	\$18,273	\$0	\$18,273	Agricultural	12IBC000001	6/30/14
Colorado	Colorado Mesa University	Colorado Water 2012	Jan-12	\$29,700	\$0	\$29,700	Education	12IBC000018	6/30/14
Colorado	Colorado State University	Investigation of Water Savings, Water Quality benefits and Profitability of Sub Surface Drip on Alfalfa in Grand Valley	Mar-12	\$46,894	\$0	\$46,894	Agricultural	12IBC000019	4/30/16
Colorado	Eagle River Watershed Council, Inc.	Colorado River Inventory & Assessment	May-12	\$30,000	\$0	\$30,000	Needs Assessment	13IBC000003	12/31/13
Colorado	Robinson Ditch Company	Robinson Ditch Piping Improvements	Sep-12	\$60,000	\$0	\$60,000	Agricultural	13IBC000014	1/31/15
Colorado	Eagle River Watershed Council, Inc.	Colorado River Restoration and Conservation Projects	Sep-12	\$20,000	\$90,000	\$110,000	Nonconsumptive	C150506	6/30/14
Colorado	Roaring Fork Water Conservancy	Crystal River Watershed – Assessment and Design of Restoration Projects	Sep-12	\$15,854	\$288,610	\$304,464	Nonconsumptive	C150520	1/31/17
Colorado	Tamarisk Coalition	Grand Valley Riparian Restoration Collaborative (GVRRC) Project	Sep-12	\$42,726	\$207,274	\$250,000	Nonconsumptive	C150513	1/30/17
Colorado	Grand County	Gore Canyon Whitewater Park at pumphouse - Colorado River	Jan-13	\$100,000	\$400,000	\$500,000	Nonconsumptive	C150518	8/31/15
Colorado Basin Total Request				\$438,447	\$1,160,884	\$1,599,331			
Number of Projects			11						
Gunnison	North Fork Water Conservancy District (NFWCD) and Fire Mountain Canal and Reservoir Company (FMCC)	Sedimentation Management Study For Paonia Reservoir - North Fork of the Gunnison	Sep-07	\$79,000	\$230,000	\$309,000	Agricultural	C150414	8/22/13
Gunnison	Upper Gunnison River Water Conservancy District (UGRWCD)	Lake San Cristobal Outlet Structure Modification–Phase III	Nov-08	\$0	\$120,960	\$120,960	Municipal & Industrial	C150444A	6/30/11
Gunnison	Gunnison County	75 Ditch Diversion Improvement and Feature Enhancements	May-10	\$46,100	\$0	\$46,100	Nonconsumptive	12IBC000002	6/30/15

**WSRA IN PROGRESS PROJECTS**

Updated 6/27/2013



Basin	Applicant	Name of Water Activity	CWCB Meeting	Basin Account Approved	Statewide Amount Approved	Total Request	Type of Water Activity	Number	Project Expiration Date
Gunnison	Leroux Creek Water Users Association (LCWUA)	Hanson Reservoir Outlet Rehabilitation	Jul-10	\$0	\$0	\$0	Agricultural	11000000068	6/30/14
Gunnison	Colorado State University	Agricultural Weather Data Delivery Improvements to Uncompahgre Valley Irrigators	Sep-11	\$77,000	\$35,000	\$112,000	Agricultural	C150499	12/31/14
Gunnison	Colorado Mesa University	Gunnison Basin Roundtable Education Program	Mar-12	\$19,750	\$0	\$19,750	Education	12IBC000020	6/30/14
Gunnison	Delta Conservation District	North Fork of the Gunnison Invasive Weed Removal	May-12	\$20,000	\$0	\$20,000	Other	13IBC000007	12/31/13
Gunnison	Leon Park Reservoir Company	Leon Park Reservoir Dam Outlet Repair	Jul-12	\$31,372	\$0	\$31,372	Agricultural	13IBC000022	1/31/14
Gunnison Basin Total Request				\$273,222	\$385,960	\$659,182			
Number of Projects			8						
Metro	South Metro Water Supply Authority	Aquifer Recharge Pilot Study	Sep-09	\$0	\$550,000	\$550,000	Municipal & Industrial	C150474	9/15/14
Metro	Douglas County Water Resource Authority	Feasibility Study for Bureau of Reclamation Funding from the National Rural Water Supply Act	Sep-09	\$100,000	\$500,000	\$600,000	Municipal & Industrial	C150470	6/30/13
Metro	Douglas County Water Resource Authority	Rotary Sprinkler Nozzle Retrofit	Sep-10	\$0	\$250,000	\$250,000	Municipal & Industrial	C150471	12/31/13
Metro	Rural Water Authority of Douglas County	Rural Douglas County groundwater-level monitoring network	Sep-10	\$28,263	\$84,792	\$113,055	Municipal & Industrial	C150473	12/31/13
Metro Basin Total Request				\$128,263	\$1,384,792	\$1,513,055			
Number of Projects			4						
North Platte	USFS	Effects of Mtn pine beetle and forest mgmt on water quantity, quality, and forest recovery N.P. and Upper CO River basins	Sep-08	\$212,306	\$164,618	\$376,923	Other	C150440	12/31/13
North Platte	Colorado Climate Center--CSU	Monitoring the effects of weather conditions on the evapotranspiration in N.P.Basin	Sep-08	\$50,409	\$50,409	\$100,818	Agricultural	C150438	6/30/14
North Platte	Ducks Unlimited, Inc.	North Park Irrigated Meadow Conservation Program - Phase I	May-10	\$20,000	\$0	\$20,000	Nonconsumptive	10000000126	6/30/14
North Platte	Loban, Hackleman and Olsen LLC	Seneca Ditch - Structure for Water Control	Jul-12	\$57,539	\$0	\$57,539	Agricultural	OE13IBC000011	12/31/13
North Platte	Greg Ray	Structure for Water Control	May-13	\$41,940	\$0	\$41,940		14IBC000001	10/31/14
North Platte Basin Total Request				\$382,194	\$215,027	\$597,220			
Number of Projects			5						
Rio Grande	Lower Willow Creek Restoration Company	Lower Willow Creek Restoration Project	Sep-09	\$50,000	\$200,000	\$250,000	Nonconsumptive	C150467	12/31/14
Rio Grande	Colorado Rio Grande Restoration Foundation	2009 Rio Grande Riparian Stabilization Project - Phase 4	May-10	\$50,000	\$0	\$50,000	Nonconsumptive	C150486	12/31/14
Rio Grande	Colorado Rio Grande Restoration Foundation	McDonald Ditch - Plaza Project - Phase 2	Sep-11	\$20,000	\$275,000	\$295,000	Nonconsumptive	C150492	3/31/15
Rio Grande	Conejos Water Conservancy District	Conejos River System Gauging Stations Project	Mar-12	\$20,000	\$387,280	\$407,280	Agricultural	C150501	6/30/14
Rio Grande	Terrace Reservoir Irrigation Company, Inc.	Terrace Reservoir Spillway Replacement	Mar-12	\$75,000	\$1,425,000	\$1,500,000	Agricultural	C150500	12/31/14
Rio Grande	Rio Grande Headwaters Land Trust	Rio Grande Initiative: Haywood Ranch Conservation Easement	Sep-12	\$25,000	\$400,000	\$425,000	Agricultural	C150514	12/31/13
Rio Grande	Rio Grande Watershed Conservation and Education Initiative	The Rio Grande Basin "Narrowing the Gap" for Colorado's Water Future	Mar-13	\$23,500	\$0	\$23,500	Education	13IBC000020	6/30/14
Rio Grande	Colorado Potato Administrative Committee (Area II)	Drip Irrigation Field Trial for Sustainable Potato Cropping in the San Luis Valley	May-13	\$40,000	\$0	\$40,000	Agricultural	13IBC000026	12/31/13
Rio Grande Basin Total Request				\$303,500	\$2,687,280	\$2,990,780			
Number of Projects			8						
South Platte	Ducks Unlimited, Inc.	Weld County School Dist RE1 Wetland Partnership	Jul-08	\$42,110	\$0	\$42,110	Nonconsumptive	9000000063	12/31/13
South Platte	Ducks Unlimited, Inc.	S.P. Water protection and restoration	Sep-08	\$0	\$825,552	\$825,552	Nonconsumptive	C150432	5/22/14
South Platte	The Nature Conservancy of Colorado	Arickaree River Well retirement program, Republican River basin, CO.	Sep-08	\$19,984	\$79,936	\$99,920	Agricultural	9000000084	3/29/14
South Platte	Lower South Platte Water Conservancy District	Lower South Platte Water Cooperative Organizational Analysis	Sep-10	\$60,977	\$200,000	\$260,977	Agricultural	C150476	6/30/14



**WSRA IN PROGRESS PROJECTS**

Updated 6/27/2013



Basin	Applicant	Name of Water Activity	CWCB Meeting	Basin Account Approved	Statewide Amount Approved	Total Request	Type of Water Activity	Number	Project Expiration Date
South Platte	Ducks Unlimited, Inc.	Development of Decision Support Model for Identifying & Ranking Waterfow and Wildlife Related Recharge Projects along the South Platte River	Sep-10	\$0	\$85,421	\$85,421	Nonconsumptive	12IBC00023	9/30/13
South Platte	Division of Water Resources	Alluvial Aquifer Accretion/Depletion Analysis Tool	Mar-11	\$0	\$200,000	\$200,000	Other	C154209	5/31/14
South Platte	Ducks Unlimited, Inc.	South Platte River Phreatophyte Control Pilot	Sep-11	\$35,000	\$30,000	\$65,000	Nonconsumptive	13IBC000004	8/31/14
South Platte	Colorado Division of Water Resources	Data Logger Installation Project, South Platte River Basin	Mar-13	\$88,958	\$0	\$88,958	Other	C150519	6/30/13
South Platte Basin Total Request				\$247,029	\$1,420,909	\$1,667,938			
Number of Projects		8							
South Platte/Metro	The Greenway Foundation	South Platte River Recreation and Habitat Improvement Preliminary Design	Sep-11	\$75,000	\$300,000	\$375,000	Nonconsumptive	C150493	6/28/13
South Platte/Metro	The Greenway Foundation	Denver South Platte River Implementation Project - Frontier/Overland Final Design	Sep-12	\$200,000	\$300,000	\$500,000	Nonconsumptive	C150509	12/13/13
South Platte/Metro Basin Total Request				\$275,000	\$600,000	\$875,000			
Number of Projects		2							
Southwest	Florida Mesa Canal Companies (Florida Canal, Florida Farmers Ditch, Florida Enlargement Ditch, and the Florida Co-operative Ditch Company)	Canal Seepage Reduction Program	Sep-10	\$0	\$775,000	\$775,000	Agricultural	C150475	6/30/13
Southwest	La Plata Water Conservancy District	La Plata River Water Resources Operations Model	Mar-11	\$0	\$148,823	\$148,823	Agricultural	C150477	12/31/13
Southwest	La Plata Archuleta Water District	Construction of Municipal Water Distribution Pipeline and Related Facilities	Sep-12	\$25,000	\$475,000	\$500,000	Municipal & Industrial	C150517	3/31/14
Southwest	Mancos Conservation District	Mancos River Habitat and Diversion Project - Phase 2	Sep-12	\$20,000	\$99,340	\$119,340	Nonconsumptive	C150511	3/1/15
Southwest	Montezuma Valley Irrigation Company	Improved Water User, Conservation, Management and Operations through the Implementation of Water Accounting Software	Sep-12	\$52,500	\$0	\$52,500	Agricultural	13IBC000012	12/31/14
Southwest	Red Mesa Dam & Reservoir Company	Red Mesa Dam & Reservoir – Spillway Alternatives Analysis	Sep-12	\$19,400	\$0	\$19,400	Agricultural	13IBC000009	9/30/13
Southwest	Animas Airpark Property Owners Association	Animas Airpark Water Distributition System	Jan-13	\$20,000	\$0	\$20,000	Municipal & Industrial	13IBC000021	12/31/13
Southwest	Animas Consolidated Ditch Company	Amimas River Diversion Headgate Montoring Study	Mar-13	\$14,500	\$0	\$14,500	Agricultural	13IBC000023	12/31/13
Southwest Basin Total Request				\$151,400	\$1,498,163	\$1,649,563			
Number of Projects		8							
Yampa/White	Town of Yampa	Town of Yampa Water Facilities Plan and storage tank upgrades	Sep-08	\$61,062	\$0	\$61,062	Municipal & Industrial	9000000090	6/30/14
Yampa/White	Bear River Reservoir Company	Stillwater Reservoir Seepage Project	Sep-09	\$189,000	\$0	\$189,000	Agricultural	C150469	8/20/15
Yampa/White	Colorado Climate Center--CSU	Improvement of Lysimeter Operations and Consumptive Use Quantification in High-Altitude, Irrigated Meadows in the Yampa /White Basin	Sep-10	\$10,000	\$10,978	\$20,978	Agricultural	11000000058	6/30/15
Yampa/White	Moffat County	Yampa-White Basin Projects and Methods Analysis	Mar-11	\$38,000	\$152,000	\$190,000	Other	C150481	12/31/13
Yampa/White	The Friends of the Yampa	Yampa River Structures Project	Sep-11	\$50,000	\$0	\$50,000	Nonconsumptive	13IBC000006	12/31/13
Yampa/White	Town of Rangely	Rangely Irrigation System Master Plan Study	Jan-13	\$12,500	\$0	\$12,500		13IBC00000015	12/31/13
Yampa/White Basin Total Request				\$360,562	\$162,978	\$523,540			
Number of Projects		6							

**WSRA COMPLETED PROJECTS**

Updated 4/29/2013



			Basin	Statewide						
Basin	Applicant	Name of Water Activity	CWCB Meeting	Account Approved	Amount Approved	Total Request	Type of Water Activity	Number	Project Expiration Date	Final Date Closed
Arkansas	El Paso County Water Authority	Upper Black Squirrel Creek Aquifer Recharge Investigation	Mar-07	\$45,200	\$0	\$45,200	Municipal & Industrial	8000000011		
Arkansas	El Paso County Water Authority	Ground Water Conference	Mar-07	\$24,721	\$0	\$24,721	Education	8000000010	10/10/07	6/30/09
Arkansas	Pueblo and El Paso Counties	Fountain Creek Vision Task Force	May-07	\$75,000	\$0	\$75,000	Needs Assessment	8000000084	6/30/09	6/30/09
Arkansas	Round Mountain Water and Sanitation District	Round Mountain Water & Sanitation District Water System Improvements Project	May-07	\$120,000	\$0	\$120,000	Municipal & Industrial	C150403	9/2/09	9/17/09
Arkansas	Lower Arkansas Valley Water Conservancy District	Rotational Land Following-Water Leasing Program -Lower Arkansas Super Ditch Company	Jan-08	\$150,000	\$0	\$150,000	Agricultural	C150425	6/30/10	5/15/10
Arkansas	Upper Big Sandy Ground Water Management District	Upper Big Sandy Water Balance	Jan-08	\$45,000	\$0	\$45,000	Needs Assessment	8000000100		5/8/09
Arkansas	Southeastern Colorado Water Conservancy District	Model Transfers- Agriculture to Urban, Arkansas Basin	Jan-08	\$23,860	\$0	\$23,860	Agricultural	8000000135		12/1/08
Arkansas	Greater Arkansas River Nature Association	Arkansas Headwaters Diversion Structure Improvement Project Arkansas River Basin	Mar-08	\$0	\$57,955	\$57,955	Nonconsumptive	9000000025		8/31/09
Arkansas	City of Las Animas	City of Las Animas Water System Improvements	Mar-08	\$100,000	\$200,000	\$300,000	Municipal & Industrial	C150424	12/31/09	9/23/09
Arkansas	Colorado State Parks	Colorado State Parks Zebra Mussel Response	Mar-08	\$0	\$1,000,000	\$1,000,000	Other	C150416	6/30/09	6/30/10
Arkansas	Upper Arkansas Water Conservancy District	Telemetry data collection platforms at six reservoirs plus flow control equipment & gauging at six reservoir outlet channels & nine streams w/in the Upper Ark River basin	Sep-08	\$75,000	\$210,332	\$285,332	Agricultural	C150439	12/31/11	9/7/11
Arkansas	Lower Arkansas Valley Water Conservancy District	John Martin Wetlands & Neenoshe Reservoir Nonconsumptive Needs Quantification	May-09	\$148,975	\$0	\$148,975	Needs Assessment	C150457	6/30/12	6/28/12
Arkansas	Upper Arkansas Water Conservancy District	UAWCD Hydrologic Water Balance Study	Sep-09	\$0	\$180,000	\$180,000	Needs Assessment	C150460	6/30/13	9/25/12
Arkansas	Southeastern Colorado Water Conservancy District	Stakeholder's Cooperative Management Analysis for the Upper Arkansas River Basin	Jul-10	\$33,600	\$0	\$33,600	Nonconsumptive	11000000012	8/31/11	12/31/11
Arkansas	Fountain Creek Watershed Greenway and Flood Control District	Fountain Creek Fish Marking and Monitoring Study	Sep-10	\$7,000	\$28,000	\$35,000	Nonconsumptive	12IBC000009	4/1/12	3/29/12
Arkansas	Purgatorie River Water Conservancy District	Trinidad/Purgatoire River Reach 4 Demonstration Project	Jan-11	\$75,000	\$0	\$75,000	Nonconsumptive	11000000131	12/31/12	12/31/12
Arkansas	Southeastern Colorado Water Conservancy District	The use of excess storage capacity in Blue Mesa Reservoir to avoid or reduce the impact of a Colorado River Compact curtailment in Colorado	Mar-11	\$24,500	\$98,000	\$122,500	Municipal & Industrial	C150496	6/30/13	3/7/13
Arkansas	Colorado Foundation for Water Education	Raising Awareness in 2012: A Statewide Celebration of Colorado Water	Mar-11	\$0	\$30,515	\$30,515	Education	11000000113	12/31/12	1/30/12
Arkansas	Lower Arkansas Valley Water Conservancy District	Colorado Water 2012	Jan-12	\$6,255	\$0	\$6,255	Education	13IBC000005	8/31/12	8/2/12
Arkansas	Lower Arkansas Valley Water Conservancy District	Ag-Municipal Conservation Easement Demonstration	Sep-12	\$54,000	\$216,000	\$270,000	Agricultural	C150512	12/30/12	12/31/12
Arkansas	Southeastern Colorado Water Activity Enterprise	Arkansas Valley Conduit	Mar-13	\$0	\$200,000	\$200,000	Municipal & Industrial	C150406		
Arkansas Basin Total Request				\$1,008,111	\$2,220,802	\$3,228,913				
Number of Projects			21							
Arkansas/Colorado/Gunnison/North Platte/Rio Grande/Southwest/South Platte/Metro	Pikes Peak Regional Water Authority	Basin Roundtable Project Exploration Committee: Flaming Gorge	Sep-11	\$23,000	\$50,004	\$73,004	Other	13IBC0000001	1/31/13	1/31/13
Arkansas/Colorado/Gunnison/North Platte/Rio Grande/Southwest/South Platte/Metro Basin Total Request				\$23,000	\$50,004	\$73,004				
Number of Projects			1							
Arkansas/Metro	El Paso County Water Authority	Flaming Gorge Project Task Force Assessment	May-10	\$60,000	\$0	\$60,000	Other	11000000008	6/30/11	6/30/11
Arkansas/Metro Basin Total Request				\$60,000	\$0	\$60,000				
Number of Projects			1							
Colorado	Ruedi Water and Power Authority	Roaring Fork Watershed Assessment	Mar-07	\$40,000	\$0	\$40,000	Nonconsumptive	8000000012		
Colorado	Colorado River Water Conservation District	Upper Colorado Endangered Fish Recovery Alternatives Analysis (10,825)	Mar-07	\$0	\$0	\$0	Other	C150404	6/30/08	

## WSRA COMPLETED PROJECTS

Updated 4/29/2013



<div>1937</div>										
Basin	Applicant	Name of Water Activity	CWCB Meeting	Basin Account Approved	Statewide Amount Approved	Total Request	Type of Water Activity	Number	Project Expiration Date	Final Date Closed
Colorado	Grand County	Vail Ditch Project	Mar-07	\$0	\$1,500,000	\$1,500,000	Agricultural	C150409	6/30/08	6/30/08
Colorado	Southeastern Colorado Water Conservancy District	Non-native Phreatophyte Trees & Mapping Project	Mar-07	\$0	\$0	\$0	Other	8000000005		6/30/09
Colorado	Colorado River Water Conservation District	Upper Colorado Endangered Fish Recovery Alternatives Analysis (10,825)	Mar-07	\$0	\$200,000	\$200,000	Nonconsumptive	C150404	6/30/08	6/30/08
Colorado	Bull Creek Reservoir Canal and Power Co.	Bull Creek Reservoir No. 5 Spillway Adequacy Analysis	Sep-07	\$50,000	\$0	\$50,000	Agricultural	8000000039	6/30/10	2/25/09
Colorado	Summit County	Old Dillon Reservoir	Mar-08	\$100,000	\$0	\$100,000	Municipal & Industrial	9000000026	6/30/09	3/2/10
Colorado	Grand County	Fraser Sedimentation Basin	Mar-08	\$60,000	\$127,900	\$187,900	Nonconsumptive	C150449	6/30/12	12/28/11
Colorado	Grand County	Grand County Stream Flow Management Plan	May-08	\$100,000	\$0	\$100,000	Nonconsumptive	C150461	6/30/11	12/16/10
Colorado	Ruedi Water and Power Authority	Roaring Fork Watershed Assessment -Phase 2	May-08	\$40,000	\$0	\$40,000	Nonconsumptive	9000000049	10/1/09	10/1/09
Colorado	West Divide Water Conservancy District	Feasibility and design assessment of off-channel reservoir sites in the Crystal River water shed	Sep-08	\$40,000	\$0	\$40,000	Municipal & Industrial	9000000052	8/31/09	9/2/09
Colorado	Trout Unlimited	Battlement Reservoir #3 Dam reconstruction to enhance recreational & environmental opportunities	Sep-08	\$80,000	\$0	\$80,000	Nonconsumptive	11000000126	12/31/12	12/23/11
Colorado	Northwest Colorado Council of Governments	Colorado Basin Nonconsumptive Needs Quantification	Mar-09	\$315,171	\$0	\$315,171	Needs Assessment	C150451	6/30/12	6/14/12
Colorado	Colorado Foundation for Water Education	Solicitation of Stakeholders input and advice through a Colorado River Basin edition of Headwaters Magazine Colorado	Sep-10	\$25,000	\$0	\$25,000	Education	11000000039	6/30/11	6/28/11
Colorado	Grand River Ditch Company	Grand River Ditch Pipeline	Sep-10	\$25,000	\$0	\$25,000	Agricultural	11000000097	6/30/11	6/1/11
Colorado	Eagle Park Reservoir Company	Enlargement of Eagle Park Reservoir	Jan-13	\$100,000	\$400,000	\$500,000	Municipal & Industrial	C150401		
Colorado Basin Total Request				\$975,171	\$2,227,900	\$3,203,071				
Number of Projects		16								
Colorado/Yampa /White	City of Grand Junction	Energy Development Water Needs Assessment (300,000 Joint Application see Colorado)	Mar-08	\$0	\$300,000	\$300,000	Needs Assessment	C150407	12/31/13	
Colorado/Yampa/White Basin Total Request				\$0	\$300,000	\$300,000				
Number of Projects		1								
Gunnison	Upper Gunnison Water Conservancy District and Hinsdale County	Lake San Cristobal Controlled Outlet Structure	May-07	\$35,000	\$0	\$35,000	Municipal & Industrial	8000000021	6/30/13	
Gunnison	Leroux Creek Water Users Association (LCWUA)	Safety and Serviceability Needs Inventory for Reservoirs in the Leroux Creek Drainage Basin	May-07	\$60,000	\$0	\$60,000	Agricultural	8000000008	6/30/11	6/30/11
Gunnison	Town of Orchard City	Orchard City Water Reservoir Project (Task 1-3)	May-07	\$60,000	\$0	\$60,000	Municipal & Industrial	8000000007	6/30/08	
Gunnison	Town of Orchard City	Orchard City Water Reservoir Project (Remaining Tasks)	Sep-07	\$0	\$480,000	\$480,000	Municipal & Industrial	C150410	12/31/08	
Gunnison	Project 7 Water Authority and Uncompahgre Valley Water Users Association	Off-System Raw Water Storage Project 7 Water Authority/Uncompahgre Valley Water Users Association	Sep-07	\$56,700	\$0	\$56,700	Municipal & Industrial	8000000059		
Gunnison	North Fork River Improvement Association	Paonia-Feldman Diversion Reconstruction; North Fork of the Gunnison River (Part 1 and 2)	Sep-07	\$48,000	\$62,700	\$110,700	Agricultural	C150411	12/31/08	
Gunnison	Overland Ditch and Reservoir Company	Overland Reservoir Dam Expansion/Restoration	Sep-07	\$0	\$68,000	\$68,000	Agricultural	8000000038	9/30/12	9/30/12
Gunnison	Upper Gunnison River Water Conservancy District (UGRWCD)	Phase II Engineering for Lake San Cristobal Outlet Modification	Jul-08	\$75,265	\$0	\$75,265	Municipal & Industrial	9000000041	6/30/11	4/8/11
Gunnison	Town of Ridgway	Ridgway Ditch and Lake Otonawanda Improvement Project	Mar-09	\$109,500	\$0	\$109,500	Municipal & Industrial	C150455	6/30/11	6/30/11
Gunnison	City of Grand Junction Water Enterprise Fund	Juniata Reservoir Spillway Modification	Mar-09	\$97,000	\$0	\$97,000	Municipal & Industrial	9000000088	6/30/10	12/15/09
Gunnison	Painted Sky Resource Conservation and Development Council, Inc.	Hartland Diversion Dam Fish Passage Feasibility Study	May-09	\$22,100	\$0	\$22,100	Nonconsumptive	9000000144	6/30/10	1/25/10
Gunnison	City of Ouray	Development of Augmentation Supplies	May-09	\$50,000	\$0	\$50,000	Municipal & Industrial	10000000041	6/30/11	6/30/11
Gunnison	Valley View Irrigation Association	Valley View Irrigation Improvement	Mar-11	\$0	\$0	\$0	Agricultural	11000000127	12/31/11	7/26/11
Gunnison	Gunnison Gorge Anglers - Trout Unlimited	Relief Ditch Diversion Dam Design	May-11	\$20,650	\$0	\$20,650	Agricultural	12IBC0000004	6/30/12	6/30/12



## WSRA COMPLETED PROJECTS

Updated 4/29/2013



				Basin	Statewide					
Basin	Applicant	Name of Water Activity	CWCB Meeting	Account Approved	Amount Approved	Total Request	Type of Water Activity	Number	Project Expiration Date	Final Date Closed
Gunnison	Painted Sky Resource Conservation and Development Council, Inc.	Hartland Diversion Dam — Partial Dam Removal and Stabilization	Sep-11	\$0	\$0	\$0	Nonconsumptive	12IBC000008	3/31/12	3/31/12
Gunnison	Grand Mesa Reservoir Company	Lining Outlet for Grand Mesa Reservoir #6	Nov-11	\$19,840	\$0	\$19,840	Agricultural	12IBC000022	12/31/12	11/13/12
Gunnison Basin Total Request				\$654,055	\$610,700	\$1,264,755				
Number of Projects			16							
Metro	The Greenway Foundation	Chatfield Reallocation EIS/FR (South Platte BRT contributing \$27,000)	Mar-07	\$103,000	\$0	\$103,000	Municipal & Industrial			
Metro	East Cherry Creek Valley Water and Sanitation District	Zero Liquid Discharge Pilot Study	Sep-07	\$200,000	\$200,000	\$400,000	Municipal & Industrial	C150412		1/8/09
Metro	Parker Water and Sanitation District	Parker Water & San. & CO. State Univ Joint Project on the Rural/Urban Farm Model	Sep-07	\$150,000	\$0	\$150,000	Municipal & Industrial	C150413	12/31/09	10/2/09
Metro	South Metro Water Supply Authority	South Metro Water Supply Authority - Regional Aquifer Supply Assessment	Jul-08	\$100,540	\$0	\$100,540	Municipal & Industrial	C150430	12/31/09	12/31/10
Metro	The Greenway Foundation	South Platte River Recreation and Habitat Feasibility Study	Sep-08	\$150,000	\$0	\$150,000	Nonconsumptive	C150442	6/30/10	6/30/10
Metro	Colorado Foundation for Water Education	Educating Denver Metro elected officials and decision makers on solutions-oriented water supply planning	Jan-11	\$14,820	\$0	\$14,820	Education	11000000083	6/30/12	4/30/12
Metro Basin Total Request				\$718,360	\$200,000	\$918,360				
Number of Projects			6							
North Platte	Silver Spur Land & Cattle	New Pioneer Ditch Diversion Reconstruction Project	Mar-08	\$116,000	\$0	\$116,000	Agricultural	C150421	12/31/09	
North Platte	Town of Walden	Town of Walden Water Supply Improvement Project	Jul-08	\$385,000	\$0	\$385,000	Municipal & Industrial	C150431A	9/30/11	9/30/11
North Platte	Colorado State University	Identification and Assessment of Important Wetlands in North Platte River Watershed	Sep-08	\$86,000	\$96,000	\$182,000	Nonconsumptive	C150433	6/30/10	7/28/10
North Platte	Colorado State University	Identification and assessment of important wetlands in N.P. River watershed	Sep-08	\$0	\$0	\$0	Nonconsumptive	C150433	6/30/10	6/30/10
North Platte	Walden Reservoir Company	Structure for Water Control	Jan-11	\$36,000	\$0	\$36,000	Agricultural	11000000087	11/30/11	11/7/11
North Platte	Colorado Foundation for Water Education	Solicitation of stakeholder input through production of a North Platte Basin education package	Jan-11	\$14,040	\$0	\$14,040	Education	11000000084	6/30/12	6/25/12
North Platte Basin Total Request				\$637,040	\$96,000	\$733,040				
Number of Projects			6							
Rio Grande	El Paso County Water Authority	Alamosa River In-stream Flow Project	Mar-07	\$64,500	\$0	\$64,500	Nonconsumptive	7000000076		6/30/08
Rio Grande	San Luis Valley Irrigation District	Preliminary Design Multi-use Rio Grande Reservoir Rehabilitation and Enlargement	Mar-07	\$0	\$288,000	\$288,000	Agricultural	C150402	6/30/10	6/30/10
Rio Grande	Colorado Rio Grande Restoration Foundation	Rio Grande Basin Conservation Reserve Enhancement Program	May-07	\$36,750	\$0	\$36,750	Agricultural	8000000006		
Rio Grande	San Luis Valley Resource Conservation and Development Council	Alamosa River Watershed Restoration Project	Sep-07	\$0	\$104,000	\$104,000	Other	C150419		
Rio Grande	Romero Irrigation Company	Romero-Guadalupe Channel Rectification Project	Sep-07	\$83,700	\$0	\$83,700	Agricultural	8000000060		9/17/08
Rio Grande	Rio Grande Headwaters Land Trust	Rio Grande Initiative	Mar-08	\$200,000	\$1,300,000	\$1,500,000	Nonconsumptive	C150420		
Rio Grande	Santa Maria Reservoir Company	Santa Maria and Continental Reservoirs: Rehabilitation and Multiple Use Studies	Sep-08	\$72,000	\$141,700	\$213,700	Agricultural	C150443	6/30/12	6/30/12
Rio Grande	Colorado Rio Grande Restoration Foundation	2008 Rio Grande Riparian Stabilization Project	Sep-08	\$35,000	\$250,000	\$285,000	Nonconsumptive	C150452	12/31/12	12/31/12
Rio Grande	Conejos Water Conservancy District	Platoro Reservoir Restoration	Sep-08	\$50,000	\$200,000	\$250,000	Agricultural	C150448	6/30/11	2/3/11
Rio Grande	Manassa Land and Irrigation Company	Conejos River and North Branch Diversion and Stabilization	Sep-08	\$50,000	\$333,700	\$383,700	Agricultural	C150446	6/30/10	6/30/10
Rio Grande	San Luis Valley Irrigation District	Rio Grande Reservoir Multi-Use Rehabilitation: Refinement and Enhancement of Reservoir Reoperation and Optimization Model	Nov-08	\$100,000	\$0	\$100,000	Agricultural	C150437A	12/31/11	12/21/11
Rio Grande	El Codo Ditch Company	San Antonio River - El Codo Ditch Diversion and Rehabilitation	May-09	\$65,000	\$0	\$65,000	Agricultural	1000000001	12/31/09	12/8/09
Rio Grande	Trinchera Irrigation Company	Sangre de Cristo Trinchera Diversion Canal Restoration	Sep-09	\$50,000	\$150,000	\$200,000	Agricultural	C150458	7/31/11	10/22/10

## WSRA COMPLETED PROJECTS

Updated 4/29/2013



			1937							
Basin	Applicant	Name of Water Activity	CWCB Meeting	Basin Account Approved	Statewide Amount Approved	Total Request	Type of Water Activity	Number	Project Expiration Date	Final Date Closed
Rio Grande	Colorado Rio Grande Restoration Foundation	Conservation Reserve CREP Phase II	Sep-09	\$31,500	\$0	\$31,500	Agricultural	10000000056	12/31/12	11/20/12
Rio Grande	Trinchera Irrigation Company	Shortfall Request - Sangre de Cristo Trinchera Diversion Canal Restoration	Jan-10	\$54,000	\$0	\$54,000	Agricultural	C150458	7/31/11	7/31/12
Rio Grande	Rio Grande Watershed Conservation and Education Initiative	Educating Today to Balance Tomorrow's Water Supplies & Needs	May-10	\$25,000	\$0	\$25,000	Education	11000000059	6/30/12	10/17/11
Rio Grande	San Luis Peoples Ditch Company	San Luis Peoples Ditch Upgrade and Rehabilitation Project - Phase I	May-10	\$40,000	\$0	\$40,000	Agricultural	11000000053	6/30/11	9/7/11
Rio Grande	Manassa Land and Irrigation Company	Conejos North Branch Water Conservation and Management	Jan-11	\$75,000	\$0	\$75,000	Agricultural	11000000109	6/30/12	6/25/12
Rio Grande	Colorado Rio Grande Restoration Foundation	The McDonald Ditch and Plaza Project, Phase I Planning	Jan-11	\$40,000	\$0	\$40,000	Agricultural	11000000102	12/31/11	12/22/11
Rio Grande	Rio Grande Headwaters Land Trust	Rio Grande Initiative: North Rio Grande Ranch Conservation Easement	Mar-11	\$15,000	\$55,000	\$70,000	Nonconsumptive	C150489	12/30/11	12/30/11
Rio Grande	Conejos Water Conservancy District	Platoro Reservoir Crest of Dam Repair	Sep-11	\$15,000	\$135,000	\$150,000	Agricultural	C150495	12/31/12	10/20/12
Rio Grande	Sanchez Ditch & Reservoir Company	Sanchez Reservoir Rehabilitation - Phase I Assessment & Upgrade	Sep-11	\$10,000	\$85,000	\$95,000	Agricultural	12IBC000013	7/31/12	6/13/12
Rio Grande	Rio Grande Watershed Conservation and Education Initiative	Water 2012: The Rio Grande Basin Partnering for Colorado's Water Future	Nov-11	\$15,600	\$0	\$15,600	Education	12IBC000017	12/31/12	12/19/12
Rio Grande	Rio Grande County	Rio Grande County Hydrogeologic Study	Jul-12	\$99,564	\$0	\$99,564	Other	13IBC000008	12/31/13	12/31/12
Rio Grande Basin Total Request				\$1,227,614	\$3,042,400	\$4,270,014				
Number of Projects			24							
South Platte	The Greenway Foundation	Chatfield Reallocation EIS/FR (Metro BRT contributing \$103,000)	Mar-07	\$27,000	\$0	\$27,000	Municipal & Industrial			
South Platte	Clear Creek County	Clear Creek Water Banking/High Altitude Storage	May-07	\$52,000	\$0	\$52,000	Municipal & Industrial	C8000000037		
South Platte	District 64 Reservoir Company	Ovid Reservoir Comprehensive Feasibility Study	Sep-07	\$176,000	\$0	\$176,000	Agricultural	C150417	12/31/11	4/13/12
South Platte	Ducks Unlimited, Inc.	Lower South Platte Wetland Initiative Phase I South Platte River, CO	Sep-07	\$0	\$278,476	\$278,476	Nonconsumptive	C150415	7/31/09	7/31/09
South Platte	Northern Colorado Water Conservancy District	Stage Discharge Data Loggers and Telemetry	Jan-08	\$48,800	\$0	\$48,800	Agricultural	80000000120	6/30/11	6/28/11
South Platte	City of Greeley	Halligan Seaman Water Mgmt project share vision planning model	Sep-08	\$25,435	\$76,305	\$101,740	Municipal & Industrial	C150436	6/30/10	6/30/10
South Platte	Ducks Unlimited, Inc.	Central South Platte Wetland Partnership	Mar-09	\$150,000	\$0	\$150,000	Nonconsumptive	C150454	6/30/11	6/30/11
South Platte	Fort Morgan Reservoir and Irrigation Company (FMRICo)	FMRICo Recharge & Wetlands Project	Sep-09	\$250,000	\$420,000	\$670,000	Agricultural	C150464	6/30/12	6/27/12
South Platte	Colorado Climate Center--CSU	Colorado Agricultural Meteorological Network (CoAgMet)	Jul-10	\$20,000	\$0	\$20,000	Agricultural	11000000079	6/30/12	6/30/12
South Platte Basin Total Request				\$749,235	\$774,781	\$1,524,016				
Number of Projects			9							
South Platte/Metro	Clear Creek County	Upper Mountain Counties Water Needs Assessment	May-08	\$174,350	\$0	\$174,350	Needs Assessment	C150429A	6/30/11	12/31/10
South Platte/Metro	Colorado Foundation for Water Education	Solicitation of Stakeholder Input through a South Platte Edition of Headwaters	Jul-08	\$48,057	\$0	\$48,057	Education	9000000019		
South Platte/Metro	Lost Creek Groundwater Management District	Lost Creek Aquifer Recharge and Storage Study	Jan-09	\$240,000	\$0	\$240,000	Municipal & Industrial	C150447	6/30/11	9/27/11
South Platte/Metro Basin Total Request				\$462,407	\$0	\$462,407				
Number of Projects			3							
Southwest	San Juan Water Conservancy District	Dry Gulch Reservoir/San Juan Reservoir Land Acquisition	Mar-07	\$0	\$0	\$0	Municipal & Industrial	C150408		12/17/08
Southwest	Goodman Point Water Association	Goodman Point Water Association Pipeline Environmental Assessment	Mar-07	\$7,700	\$0	\$7,700	Municipal & Industrial	80000000075		7/31/09
Southwest	Mancos Water Conservancy District	Jackson Gulch Reservoir Expansion Project	Jul-07	\$80,000	\$0	\$80,000	Municipal & Industrial	80000000076	6/30/09	6/30/09
Southwest	Goodman Point Water Association	Goodman Point Phase 2	Sep-07	\$20,000	\$120,000	\$140,000	Municipal & Industrial	C150462	6/30/12	3/16/11

## WSRA COMPLETED PROJECTS

Updated 4/29/2013



			Basin	Statewide				1937		
Basin	Applicant	Name of Water Activity	CWCB Meeting	Account Approved	Amount Approved	Total Request	Type of Water Activity	Number	Project Expiration Date	Final Date Closed
Southwest	Bauer Lake Water Company	Bauer Lakes Water Co. Dam Outlet Structure Upgrade	Mar-08	\$40,000	\$0	\$40,000	Agricultural	10000000084	12/31/11	12/28/11
Southwest	La Plata West Water Authority	La Plata West Rural Water Supply System	Mar-08	\$100,000	\$1,000,000	\$1,100,000	Municipal & Industrial	C150422	6/30/09	6/30/09
Southwest	Town of Sawpit	Town of Sawpit Engineering/Planning for Domestic Water System; Southwest Basin	Mar-08	\$25,000	\$0	\$25,000	Municipal & Industrial	9000000006	6/30/09	6/7/10
Southwest	Summit Reservoir and Irrigation Company	MVIC Summit Irrigation Company feasibility study	Sep-08	\$39,300	\$0	\$39,300	Agricultural	9000000085	8/31/10	8/31/10
Southwest	Happy Scenes Water System #1	Water System Well, Treatment System and Distribution Upgrades	Nov-08	\$50,000	\$0	\$50,000	Municipal & Industrial	9000000127	6/30/10	11/17/09
Southwest	La Plata Archuleta Water District	Water System Master Planning	Nov-08	\$100,000	\$0	\$100,000	Municipal & Industrial	9000000112	12/31/09	12/22/09
Southwest	Town of Silverton	Molas Lake Ditch Rehabilitation and Diversion Structures	Jan-09	\$95,000	\$0	\$95,000	Municipal & Industrial	9000000143	12/31/11	11/18/11
Southwest	Lower Blanco Property Owners Association	Lower Blanco River Restoration Project	Mar-09	\$100,000	\$0	\$100,000	Nonconsumptive	C150450	6/30/11	6/30/10
Southwest	Florida Mesa Canal Companies (Florida Canal, Florida Farmers Ditch, Florida Enlargement Ditch, and the Florida Co-operative Ditch Company)	Ditch Loss, Hydropower, and Monitoring Improvement Program	Mar-09	\$100,000	\$0	\$100,000	Agricultural	9000000115	6/30/11	6/30/11
Southwest	Red Mesa Dam & Reservoir Company	Red Mesa Dam Incremental Damage Analysis (IDA) and Emergency Action Plan (EAP)	May-09	\$29,000	\$0	\$29,000	Agricultural	10000000061	6/30/12	6/29/12
Southwest	Park Ditch Company	Park Ditch Improvements	Jul-09	\$85,000	\$0	\$85,000	Agricultural	10000000011	6/30/11	12/9/09
Southwest	Lower Blanco Property Owners Association	Lower Blanco River Restoration Project	Sep-09	\$0	\$150,000	\$150,000	Needs Assessment	C150468	6/30/12	12/17/10
Southwest	San Juan Resource Conservation and Development - Animas Watershed Project	Animas River Needs Assessment	Sep-09	\$57,000	\$0	\$57,000	Needs Assessment	11000000028	9/30/12	4/28/11
Southwest	Mancos Conservation District	Mancos River Diversion Project, Phase I	Nov-09	\$24,753	\$0	\$24,753	Nonconsumptive	10000000111	12/30/10	6/7/11
Southwest	Mancos Valley Resources Inc.	Protecting Irrigated Agricultural Lands and Water Rights for Agricultural Production	Nov-09	\$31,500	\$0	\$31,500	Agricultural	100000000125	6/30/12	6/30/12
Southwest	Florida Mesa Canal Companies (Florida Canal, Florida Farmers Ditch, Florida Enlargement Ditch, and the Florida Co-operative Ditch Company)	Canal Seepage Reduction Project	Nov-09	\$0	\$225,000	\$225,000	Agricultural	C150463	6/30/11	6/30/11
Southwest	Town of Norwood	Raw Water System Update and Future Needs Study	Jan-10	\$58,458	\$0	\$58,458	Municipal & Industrial	10000000085	6/30/11	6/30/11
Southwest	Dolores Water Conservancy District	Totten Reservoir Hydrographic Survey	Nov-10	\$29,500	\$0	\$29,500	Agricultural	110000000114	12/31/11	12/28/11
Southwest	San Juan Citizens Alliance	A Way Forward: The Dolores River Below McPhee Reservoir	Nov-10	\$25,000	\$0	\$25,000	Nonconsumptive	12IBC0000011	12/31/12	3/16/12
Southwest	Animas La Plata Water Conservancy District	Recreational Plan for Lake Nighthorse	Nov-10	\$25,000	\$0	\$25,000	Nonconsumptive	12IBC000005	12/31/11	10/21/11
Southwest	La Plata River and Cherry Creek Ditch Company	La Plata Cherry Creek Ditch Headgate Improvement Project	Nov-10	\$25,000	\$0	\$25,000	Agricultural	12IBC000014	8/31/12	6/11/12
Southwest	Montezuma Valley Irrigation Company	Groundhog Reservoir Bathymetric Survey	Mar-11	\$0	\$0	\$0	Agricultural	12IBC000003	6/30/12	6/30/12
Southwest	Town of Rico	Town of Rico Alluvium Pipeline Water Supply Project - Well Drilling and Water Quality Testing	Mar-11	\$20,000	\$80,000	\$100,000	Municipal & Industrial	11000000122	6/30/12	3/16/12
Southwest Basin Total Request				\$1,167,211	\$1,575,000	\$2,742,211				
Number of Projects		27								
Yampa/White	Upper Yampa Water Conservancy District	Morrison Creek Reservoir Feasibility Study	Jul-07	\$49,500	\$0	\$49,500	Municipal & Industrial	8000000058	3/31/08	
Yampa/White	Moffat County	Agricultural Water Needs Assessment	Jan-08	\$0	\$0	\$0	Needs Assessment	C150418	12/31/10	12/31/10
Yampa/White	City of Steamboat Springs	Common Data Repository	Jan-08	\$106,600	\$0	\$106,600	Other	C150423	6/30/10	12/29/10
Yampa/White	Vermillion Ranch	Sparks Reservoir	Jul-08	\$16,000	\$0	\$16,000	Agricultural	9000000039	12/31/08	
Yampa/White	Moffat County	Sandwash basin coalbed methane production depletive effects on water resources	Sep-08	\$20,000	\$98,835	\$118,835	Municipal & Industrial	C150435	6/30/11	6/8/11
Yampa/White	Colorado Foundation for Water Education	Headwaters Magazine - January 2010	Sep-09	\$20,000	\$0	\$20,000	Education	10000000050	6/30/10	



# WSRA COMPLETED PROJECTS

Updated 4/29/2013



			CWCB Meeting	Basin Account Approved	Statewide Amount Approved	Total Request	Type of Water Activity	Number	Project Expiration Date	Final Date Closed
Basin	Applicant	Name of Water Activity								
Yampa/White	Community Agriculture Alliance, Inc.	Development and Implementation of Water Forums, Workshop, and/or Tours	Sep-09	\$10,000	\$0	\$10,000	Education	10000000046	6/30/11	12/31/10
Yampa/White	The Nature Conservancy of Colorado	Yampa White Basin Nonconsumptive Needs Assessment Watershed Flow Evaluation Tool	Jan-10	\$169,002	\$0	\$169,002	Nonconsumptive	C150466	6/30/12	6/30/12
Yampa/White Basin Total Request				\$391,102	\$98,835	\$489,937				
Number of Projects		8								