



COLORADO WATER CONSERVATION BOARD

DIRECTOR'S REPORT

JANUARY 2013

STATE OF COLORADO

Colorado Water Conservation Board

Department of Natural Resources

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TO: Colorado Water Conservation Board

FROM: Jennifer Gimbel
Brent Newman
CWCB Staff

DATE: January 28-29, 2013

SUBJECT: **Agenda Item 5d**, January 2013 CWCB Board Meeting
Director's Report

John W. Hickenlooper
Governor

Mike King
DNR Executive Director

Jennifer L. Gimbel
CWCB Director

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~INTERSTATE AND FEDERAL~

MINUTE 319 SIGNED: The federal representatives of the U.S. and Mexico signed Minute 319 on November 20, 2013 in San Diego, California. In addition, Jennifer Gimbel for Colorado, and the other Colorado River Basin State representatives and federal representatives, signed several additional agreements, which allowed Minute 319 to become effective. While Minute 319 is only a five year agreement, it has been described as “monumental,” a “game-changer,” and is the most important agreement related to the Colorado River between the U.S. and Mexico since the signing of the 1944 Water Treaty. The language of the Minute and more detailed information about the agreements are available on the CWCB website. Implementation has begun, and we will keep the Board informed as implementation questions arise. *(Ted Kowalski)*

~STATEWIDE~

FLOODPLAIN MAP MODERNIZATION/RISK MAP UPDATE:

FY12 Activities: State contracts are all in place to begin work on the Cache La Poudre and Purgatoire watersheds as well as for the Lidar acquisition in the Cache La Poudre watershed.

FY11 Activities: Risk Map projects for the St. Vrain and Clear Creek Watersheds is underway. Lidar data has been received by FEMA but break line data was deficient. FEMA’s vendor is currently working to provide the additional break lines needed for analysis. Once this data is received, base map and hydrologic tasks are still ongoing awaiting the data.

FY10 Activities: Work is underway for Chaffee, Logan and Pitkin Counties. Preliminary mapping for Pitkin County is almost completed. FEMA is awaiting a formal response from Pitkin County regarding the Redstone levee analysis. Hydraulic tasks and floodplain mapping tasks are continuing for Logan County. Hydraulic 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. The Town is working with an engineering firm to certify the levee. However, in the process of reviewing the analysis it was found that I-76 was acting as a non levee embankment holding back floodwater and FEMA requires a Letter of Assurance from CDOT in order to account for the embankment as showing protection from the 1% annual flood. CDOT was unable to obtain the as-built information for I-76 and could not provide a letter to FEMA. The Town of Wiggins will be meeting with CWCB to discuss possible alternatives.

The Prowers County DFIRM floodplain mapping tasks have been completed. Preliminary floodplain mapping is complete but not yet approved. There are three levees to analyze in the county and will be affected by the recent FEMA memo on de-accredited levees. The Town of Lamar and Grenada are in the process of assessing their levees. A new scope of work is in progress to complete this project as a Partial Countywide DFIRM. The FEMA grant for this project has been extended to 2015 to complete the Partial Countywide DFIRM.

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 are now in the post preliminary phase and in the 90 day appeal period.

The Pueblo County DFIRM has been put on hold due to the recent FEMA memo on de-accredited levees. The Fountain Creek hydrology has been approved and most of the hydraulic analyses and floodplain mapping has been completed in the County. The project is on hold and a new scope of work is in progress to complete this project as a Partial Countywide DFIRM. The FEMA grant has been extended to September 2013 to complete the project.

The Pueblo County Arkansas River Levee floodplain study is in progress, finalization is still progressing. This project was delayed due to the Fountain Creek hydrology and a new scope of work is in progress to complete this project as a Partial Countywide DFIRM.

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 is currently on hold and a new scope of work is in progress 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.

FY 06 Activities: Weld County detailed study work continues to progress. The Draft Preliminary maps have been sent to FEMA for review in December 2012. Comments were provided by FEMA and Atkins is currently addressing these comments and a revised submittal is forthcoming. 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 28th 2008.

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

(Thuy Patton)

GROUND WATER COMMISSION MEETING: The Ground Water Commission (GWC) held its quarterly meeting on November 16, 2012, in Castle Rock, CO. The agenda items included routine reports and a hearing on a motion to recover prevailing party costs associated with the Gallegos matter. Prevailing costs were not granted by the Commission. The GWC also discussed proposed legislation that would grant Ground Water Management District's (GWMDs) enforcement authority. Water Congress' Legislative Committee does not support the proposed legislation and the State Engineer was encouraged not to provide staff resources for introduction of a bill. The Ground Water Commission will hold its next regular meeting on February 15, 2013 in Denver, CO. For more information visit:

<http://water.state.co.us/groundwater/CGWC/Pages/default.aspx>. *(Suzanne Sellers)*

HR 6060 SIGNED BY PRESIDENT OBAMA: On January 14, 2013, President Obama signed House Resolution 6060 into law. Titled the “Endangered Fish Recovery Programs Extension Act of 2012”, this law will allow the Department of the Interior to spend up to \$6 million annually through Fiscal Year 2019 for the Upper Colorado Endangered Fish Recovery Implementation Program and the San Juan River Basin Program. The CWCB is an active partner in both of these programs. The full text of HR 6060 is included in this Report as Attachment 6. (*Brent Newman*)

~COLORADO RIVER BASIN~

GLEN CANYON DAM TECHNICAL WORK GROUP (TWG) MEETING: The Glen Canyon TWG meeting and annual reporting meetings will be held on January 22-24, 2013, in Phoenix, AZ. The TWG will receive updates on the fall 2012 High Flow Experiment (“HFE”) release, which commenced on November 19, 2013, under the recently adopted HFE protocol. Other agenda items include budget issues, items related to the Long Term Experimental and Management Plan (“LTEMP”) process, and updates from the various ad hoc groups. Information is available at: http://www.usbr.gov/uc/rm/amp/amwg/amwg_mtginfo.html or <http://ltempeis.anl.gov/index.cfm> (*Ted Kowalski*)

COLORADO RIVER BASIN STUDY RELEASED: The Colorado River Basin States (“Basin States”) and the Bureau of Reclamation (“BOR”) released the Colorado River Basin Study Report on December 12, 2012, in conjunction with the Colorado River Water Users Association annual conference in Las Vegas, Nevada. The Board received an update on the Basin Study at the November 2012 Board meeting. This report is a critical step towards addressing the future of the Colorado River basin. There were dozens of articles that were published upon release of the report, and the Basin States and BOR are already working on next steps and implementation. This Study/Report will be the subject of a number of presentations and workshops at the upcoming Colorado Water Congress annual conference that will occur January 30-February 1, 2013, in Denver. For more information visit: <http://www.usbr.gov/lc/region/programs/crbstudy.html> (*Ted Kowalski*)

UPPER COLORADO RIVER COMMISSION: The Upper Colorado River Commission (“UCRC”) held its annual winter meeting on December 12, 2012, in Las Vegas, Nevada, just prior to the Colorado River Water Users Association annual conference. The Commission received updates and reports from representatives of each of the major federal agencies with authority or responsibilities related to management of the Colorado River water resources. The annual summer UCRC meeting will be held in Santa Fe, New Mexico on June 20, 2013. (*Ted Kowalski*)

UPPER COLORADO RIVER WILD AND SCENIC MANAGEMENT PLAN: The Upper Colorado River Wild and Scenic Management Stakeholder Group has continued to develop and implement the monitoring plan pursuant to the management plan. In addition, the Stakeholder Group is developing an annual report of activities that they plan to share with the Board at the March 2013 Board meeting. (*Ted Kowalski*)

UPPER COLORADO RIVER WILD AND SCENIC STAKEHOLDER GROUP: On September 16, 2011, the Bureau of Land Management (BLM) issued its Colorado River Valley draft Resource Management Plan (RMP)/Environmental Impact Statement (EIS) and the

Kremmling draft RMP/EIS. The preferred alternative for each document is Alternative B. Alternative B is further divided into two options; B1 and B2. Between the two documents, Alternative B1 would find four Colorado River segments suitable while Alternative B2 would defer Wild and Scenic River suitability determination, and adopt and implement the Stakeholder Group's proposed Management Plan. Under either Alternative B1 or B2, two segments of Deep Creek would be found suitable. For more information or electronic copies of these documents, see the following links:

http://www.blm.gov/co/st/en/BLM_Programs/land_use_planning/rmp/kfo-gsfo/crv.html and http://www.blm.gov/co/st/en/BLM_Programs/land_use_planning/rmp/kfo-gsfo/kremmling.html.

The Kremmling Field Office Final RMP/EIS is anticipated to be released in July 2013 with the ROD expected out in January 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 Kremmling Field Office Final RMP/EIS.

The Stakeholder Group is working on monitoring efforts in the subject reaches; including gathering data collected by others (i.e. Colorado Parks and Wildlife fish biomass surveys) as well as collecting their own data (i.e. creel surveys and recreation surveys). A contractor has been hired to help ensure that future boating surveys are done in a manner that prevents bias and gathers adequate data to address the floatboating ORV. During its November meeting, the Stakeholder Group formed a Channel Maintenance Subcommittee to address flushing flows. The stakeholder group is also beginning to develop the 2012 Annual Report and a Memorandum of Understanding for the upcoming provisional period. (*Suzanne Sellers*)

COLORADO RIVER WATER USE: As of December 1, 2012, storage in the major Upper Basin reservoirs decreased by 483,550 acre-feet and storage in the Lower Basin reservoirs increased by 176,200 acre-feet during November 2012. Total system active storage as of December 1 was 33.336 million acre-feet (MAF), or 56 percent of capacity, which is 5.133 MAF less than one year ago. (Upper Basin reservoirs decreased by 4.543 MAF, and Lower Basin reservoirs decreased by 0.589 MAF.)

As of December 3, the 2012 forecast for the Lower Basin states' consumptive use of Colorado River water totals 7.474 MAF, which includes Arizona at 2.796 MAF, California at 4.434 MAF, and Nevada at 0.244 MAF. The Central Arizona Project is will divert an estimated 1.615 MAF, 0.134 MAF of which is to be delivered to the Arizona Water Bank. The preliminary end-of-year estimate for 2012 for California's agricultural consumptive use of Colorado River water is 3.663 MAF. (*Andy Moore*)

COLORADO RIVER RESERVOIR OPERATIONS: Due to dry conditions, low reservoir storage and forecasts of below average precipitation for spring 2013, reservoir operators including Reclamation, CRWCD, Denver Water, Colorado Springs Utilities, and NCWCD will meet regularly throughout 2013 to discuss conditions and coordinate operations, beginning January 29th. Other participants include the CWCB, SEO Division 5 staff, Grand Valley irrigators, CRWCD staff, Xcel Energy's Shoshone hydropower plant operators, National Weather Service (NWS), Colorado Basin River Forecast Center (CBRFC), environmental interests and other interested parties. Typically the participants meet briefly in late January to review current conditions, operations during the previous year, and forecasts; they meet again in

late April through late May/early June to discuss Coordinated Reservoir Operations, and again late June through November to discuss streamflows and coordinate summer and fall operations. (Michelle Garrison)

~ARKANSAS RIVER BASIN~

ARKANSAS RIVER COMPACT ADMINISTRATION: The Arkansas River Compact Administration (ARCA) met on December 5th and 6th at the Clarion Inn in Garden City, Kansas. The Operations, Administrative & Legal, and Engineering Committees met on the 5th, with the Annual ARCA meeting on the following day. The Administration heard reports from ARCA officers, cooperating Federal agencies, and local water user agencies. The Administration passed three resolutions: amending the Trinidad Operating Principles as requested by the City of Trinidad; extending the Special Engineering Committee; and honoring outgoing Kansas representative David Brenn. The Administration also approved several administrative matters, such as future budgets and several contracts. The next meeting of the Administration is tentatively set for December 10, 2013 in Lamar, Colorado. (Brent Newman)

~PLATTE RIVER BASIN~

SOUTH PLATTE WORKING GROUP II: CWCB staff members Kevin Houck and Joe Busto are participating in a working group for the South Platte River in the southern Denver metropolitan area, entitled South Platte Working Group II (SPWG II). Other participants include the Urban Drainage and Flood Control District, South Suburban Parks and Recreation, Littleton, Englewood, Sheridan, Columbine Valley, and Arapahoe County Open Space. Staff has been participating with the SPWG II since 2007, who was responsible for approving the east bank recreation trail near Prince Street in Littleton.

The Statement of Purpose for SPWG II is: to enhance the corridor for recreation, restore and revitalize the river and its habitat, improve education, connect communities to the river through consistent land use, promote economic development, and to coordinate policies. A flood control project constructed by the Corps of Engineers, located just downstream of Chatfield Reservoir to the confluence of Bear Creek, is a project that the SPWG II group may be interested in, from a recreation and habitat enhancement perspective. The lower four miles of this reach is owned and operated by the CWCB, and the upstream two miles is a “floodplain park” now called South Platte Park and owned by the City of Littleton as a nature center.

South Platte Park began as a political battle between the Corps of Engineers and local governments that resulted in essentially excluded channelization of the river through that reach in order to have a more natural flood control segment. The CWCB and Corps of Engineers matched Littleton with funds approved from a local ballot initiative to purchase the land to be kept in a more natural state. Both reaches still fall under what is called the “Chatfield Downstream Channel Improvement Project” in state/federal agreements. The South Platte Park became mitigation for the dam and flood control project, and the downstream reach the CWCB manages was straightened and lined with rip rap to accommodate a maximum 5,000 CFS release out of Chatfield Reservoir.

Recent proposals by local governments and the Urban Drainage and Flood Control District restore the focus to the river itself including rehabilitation, economic development, recreation,

and habitat improvement. However, it will be difficult for the CWCB, UDFCD, and consultants to broker these requests to the Omaha District of the U.S. Army Corps of Engineers on behalf of the local governments considering the narrow Section 205 of the Flood Control Act, which governs project authorities. The CWCB and UDFCD are flood protection agencies, and staff from both agencies believe that recreation, habitat, and maximum flood releases can all coexist.

Currently there are plans for bank stabilization at South Platte Park awaiting approval from the Corps. In addition, there will likely soon be a \$4M recreation enhancement proposal at Oxford Avenue seeking Corps approval. This latter proposal is similar in scope to Confluence Park in Denver, which was the focal point of a major urban renewal to boost commercial and residential economies. Staff will keep the Board apprised as this develops. A presentation to the Board by staff and members of the SPWG II may be required if an impasse results in seeking approval from Omaha Corps of Engineers results. (*Joe Busto*)

PLATTE RIVER RECOVERY PROGRAM: The Platte River Recovery Implementation Program (“Program”) Governance Committee met on December 4-5, 2012 in Denver, CO. The primary agenda items were discussion and approval of the Executive Director’s contract and the FY13 Master Plan and Budget. Other agenda items included discussion of the 2012 “State of the Platte” Executive Summary, Independent Science Advisory Committee’s recommendations on target flows, the 2013 Annual Operating Plan and approval of various stages of land acquisition transactions. Suzanne Sellers also participated in J-2 Reregulating Reservoir negotiations and Water Advisory Committee, Land Advisory Committee, Finance Committee and Reservoir Coordinating Committee conference calls and meetings. The next Governance Committee meeting will be held on March 12-13, 2013 in Kearney, NE. For more information, please visit: <http://www.platteriverprogram.org/Pages/default.aspx>. (*Suzanne Sellers*)

~SAN JUAN/SAN MIGUEL-DOLORES RIVER BASIN~

LOWER DOLORES WORKING GROUP UPDATE: The “A Way Forward” (“AWF”) Implementation Team continues to conduct education and outreach efforts on its Implementation, Monitoring and Evaluation Plan, which the Team presented to the Board in September 2012. The Team met with the BLM earlier this month to update BLM on the Team’s work and to discuss the relative roles of BLM, Colorado Parks and Wildlife, and other Team members regarding the Implementation Plan and the development of legislation to establish a National Conservation Area. The Team also met this month to share and discuss feedback received from stakeholders on the Implementation Plan, and to discuss how the Implementation Plan relates to the legislative efforts of the Lower Dolores Working Group. Additional information on the Lower Dolores 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 regular meetings on November 7, 2012 and December 20, 2012 and its next meeting is scheduled for January 24, 2013. Regular agenda items included workgroup updates and a budget update. The Steering Committee also drafted a 2nd letter to respond to additional concerns raised about the makeup of the RPW Steering Committee. Also during the meeting, the Steering Committee was given a preview of a reservoir map that is being developed by CWCB staff for the Animas River. The Steering Committee is continuing to plan the "Regional Discussion" which will take place this summer after all five public workgroups have completed

the dialogue for: Hermosa Creek; San Juan River - East and West Forks; Upper Animas River; Vallecito Creek/Pine River; and the Piedra River. The new San Juan Forest plan is expected to come out in the spring or summer of 2013 and will attempt to “honor” the efforts made by the river working groups.

The proposed “Hermosa Watershed Protection Act”, a product of the Hermosa Creek RPW, was introduced to Congress by Senator Bennet in July 2012. The bill reflects a balance between conservation, economic development and other uses. The bill did not make it out of Committee and will be reintroduced during the next Congress. In November, the Wilderness Society launched a website and ran ads with the local newspapers encouraging support of the bill.

The RPW for the Animas River held a regular meeting on November 15, 2012 in Silverton, CO and its next meeting is scheduled for January 17, 2012 at the same location. At the meeting, the workgroup discussed options available for Mineral and South Mineral Creeks; however, no consensus was reached related to suitability. The workgroup also discussed the Upper Animas River above Cement Creek. Consensus was reached on limiting new major impoundments on this segment and that the current protections are adequate to protect the ORVs. Finally, the workgroup discussed Cement Creek and consensus was reached in that the group feels that the current protections are adequate to protect the iron fens and other values in this segment. The group also agreed to support the proposed Good Samaritan legislation related to environmental cleanup. It is anticipated that this work group may conclude sometime around March 2013.

The RPW for the Piedra River held a meeting on December 11, 2012 in Pagosa Springs, CO and its next meeting is scheduled for January 15, 2013 at the same location. The work group continued to develop their segment-by-segment analysis and continued to identify whether the previously identified values are adequately protected for the Williams Creek segment. An early compromise is being considered that suggests dropping wild and scenic suitability status in exchange for expanding the Piedra Area (established by the 1993 Colorado Wilderness Act) across the Piedra River. This designation would prevent major impoundments within the expanded Piedra Area. The group is considering forming a subcommittee to tackle this concept. Another subcommittee being considered is one that would be made of local forest stakeholders to help advise the forest service on local land and water use. The group came to consensus on the concept of negotiating cooperative agreements or leases with water right holders and water districts to help maintain minimum flows in the stream and avoid dry stream reaches. It is anticipated that this work group may conclude in March or April with the final report coming out in April or May of 2013. For more information, see the following link:
<http://ocs.fortlewis.edu/riverprotection>. (*Suzanne Sellers*)

~GUNNISON RIVER BASIN~

ASPINALL OPERATIONS: The annual January Aspinall Operations meeting was held January 24, 2013 in Montrose to discuss reservoir operations during 2012, dam and turbine maintenance, current storage levels, forecasted spring inflows, and possible reservoir operations throughout 2013. The next meeting will be held in late April and discuss spring and summer operations in more detail. (*Michelle Garrison*)

HARTLAND DIVERSION DAM RECONSTRUCTION PROJECT: The Hartland Diversion Dam Reconstruction Project (Project) has received recognition and press since it was

completed in the Spring 2012. It received the Engineering Excellence Award from the American Council of Engineering Companies of Colorado, a Project Excellence Award from the American Public Works Association Colorado Chapter, and it was featured in an article in Civil Engineering Magazine (November 2012). McLaughlin Whitewater Design Group designed and managed the Project. The CWCB provided funding for the Project through the Fish and Wildlife Resources Fund (\$560,000) and the Gunnison Basin Roundtable Basin Funds (\$53,100). Other funding was provided by the Fish and Wildlife Service (\$1,394,000), the Walton Family Foundation (\$250,000), the National Fish & Wildlife Foundation (\$110,000), and the Colorado River District (\$99,000).

The Project reconstructed the 120 yard wide Hartland Diversion Dam on the Gunnison River upstream of Delta, CO to include two fish passages and a boat chute. Approximately one-half of the original dam was left in place, and it functions to divert the ditch company's senior water rights. The fish passages are designed for several state species of concern, including the bluehead sucker, the roundtail chub, and the flannelmouth sucker. The old dam was a significant impediment to recreational boaters, which could not be safely navigated, and private property on either river bank prevented legal portage.

The completed Project is pictured below in two images. The area in the right half of the pictures is the main construction site. It includes a fish passage, boat chute, and another fish passage (from left to right). The original dam can be seen in the left half of the picture. It originally extended the width of the river. It is constructed of welded railroad iron "cribs" filled with river cobble. The hydraulics created by this dam are very dangerous for boaters, hence the guide buoys upstream of the Project. (*Chris Sturm*)





~AGENCY UPDATES~

WEATHER MODELING DISPLAYS FOR CLOUD SEEDING: The CWCB teamed up with the Colorado Avalanche Information Center (CAIC) to utilize new weather modeling. The CWCB already works with the CAIC and CDOT to suspend cloud seeding in the event of quantifiable snow and avalanche hazards. The weather modeling is available online and this website has details of forecasted storm tracks and post-storm snowfall totals. The CAIC also displays results from three commonly used weather models and shows snow storms totals by region. A new seeding product has been developed. This product has been developed to increase seeding efficiency. The cost of silver iodide has recently increased to \$600/lb requiring more efficient use. The idea for this tool came from Arlen Huggins of Desert Research Institute Fire who uses a similar model product for seeding in the Sierra Nevada Mountains. This new product can be viewed at https://avalanche.state.co.us/pub_model_pt_wx.php. The product shows parameters useful for cloud seeding at 50 different points in Colorado. In line graph form it shows the -5 Celsius height above the terrain, 700Mb temperature (approximately 10,000 feet), wind direction and speed, and one hour precipitation rates and storm totals in terms of inches. We have had positive feedback from cloud seeders who will be commenting on this in their annual reports. (*Joe Busto*)

FIRE RESTORATION: The Colorado Water Resources and Power Development Authority Board allocated \$300,000 for restoration in the Waldo Canyon and High Park burn areas. The money was transferred to the CWCB Colorado Watershed Restoration Program (CWRP) in December, where it will be used for restoration planning in watersheds critical to water supply. CWCB is adding an additional \$50,000 from CWRP. Staff has executed a contract with a coalition of stakeholders representing the Waldo Canyon burn area. They are performing a Watershed Assessment of River Stability and Sediment Supply (WARSSS). The WARSSS study will prioritize perennial and ephemeral channels in need of stabilization, and it will provide designs for project implementation. The High Park stakeholders are proposing a post-fire assessment, and a contract is pending.

In December 2012 Staff attended the 5th International Fire Ecology Conference hosted by the Association for Fire Ecology. The conference was well attended and included hundreds of break-out sessions. Staff found only a couple of presentations that focused on post-fire hydrology. Staff believes that there is a strong need to build new or stronger relationships between forest ecologists and water providers, especially along the Front Range. Fires that burn with high severity seem to have the greatest impact on headwater streams and downstream

reservoirs. The high severity burn areas typically contain the most hydrophobic soils, and these areas are slow to recover. Many fire ecologists believe that fuel treatment is the best way to avoid high severity fires. Fire prevention in all areas seems to be an unlikely scenario, but there are methods and treatments to avoid high severity burns that have proven success. (*Chris Sturm*)

COMMUNITY ASSISTANCE PROGRAM UPDATES: CWCB staff continues to provide technical assistance to communities with updating floodplain regulations to incorporate the State Rules for floodplains within the three year transition period. In addition to the workshop held in Grand Junction in August 2012, a second full-day floodplain management workshop was offered in Pueblo in December 2012. A half-day workshop was held in Ridgway and more are being planned for the near future. Attendance has been strong, with 62 participants in total, and we continue to receive requests for additional training. These workshops are designed to give floodplain administrators training in the tools and concepts necessary to meet the National Flood Insurance Program and state floodplain management requirements. (*Jamie Prochno*)

STREAM AND LAKE PROTECTION SECTION DE MINIMIS CASES: The following table summarizes the applications that have the potential to injure the Board's instream flow water rights, but their impacts are considered de minimis. In each of these cases, the cumulative impact to the Board's rights is 1% or less. Pursuant to ISF Rule 8(e) (the de minimis rule), staff has not filed Statements of Opposition in these cases and has provided the required notification to the Division Engineer and applicants. (*Don West*)

Case No.	Applicant	Stream/ Case Number	ISF Amount	Percent Injury	Cumulative % Injury	Previous Cases
1-12CW247	Youth With a Mission, Denver	Ralston Creek/ 1-86CW302	0.5 cfs (summer) 0.5 cfs (winter)	0.38400 % 0.38400 %	0.38400 % 0.38400 %	0
2-94CW041	James & Patricia Miller	Chalk Creek/ 2-77W4662	18 cfs (summer) 18 cfs (winter)	0.00131 % 0.00024 %	0.15626 % 0.01121 %	26

RECENTLY DECREED ISF WATER RIGHTS: On December 17, 2012, the Division 4 Water Court decreed an instream flow water right to the CWCB on Little Dominguez Creek in Case No. 10CW184 for all of the flow that is annually available minus a quantified development allowance, with an appropriation date of May 19, 2010. The upstream terminus is the Dominguez Canyon Wilderness Area boundary and the lower terminus is the confluence with Big Dominguez Creek. This ISF reach is approximately 15.59 miles long and flows in a southerly direction through parts of Delta and Mesa Counties. The CWCB entered into a stipulation with the sole objector in the case, Mika Ag Corp, to alleviate their concerns about this ISF segment.

On December 17, 2012, the Division 4 Water Court decreed an instream flow water right to the CWCB on Big Dominguez Creek in Case No. 10CW185 for all of the flow that is annually available minus a quantified development allowance, with an appropriation date of May 19, 2010. The upstream terminus is the Dominguez Canyon Wilderness Area boundary and the lower terminus is the Dominguez Canyon Wilderness Area boundary which is just above the confluence with the Gunnison River. This ISF reach is approximately 14.2 miles long and flows

in a southerly direction through parts of Delta and Mesa Counties. The CWCB entered into a stipulation with the sole objector in the case, Mika Ag Corp, to alleviate their concerns about this ISF segment. (*Rob Viehl & Linda Bassi*)

DOMINGUEZ CANYONS WILDERNESS AREA INSTREAM FLOW ENFORCEMENT AGREEMENT: On December 4, 2012, the CWCB and the U.S. Bureau of Land Management (“BLM”) finalized the Enforcement Agreement for the CWCB’s instream flow water rights on Little Dominguez Creek and Big Dominguez Creek (see above). The Enforcement Agreement was required by the federal legislation establishing the Wilderness Area as part of providing that the CWCB would appropriate and adjudicate instream flow water rights to support wilderness management purposes, in lieu of creating a federal water right for wilderness management purposes. The stated purpose of the legislation, among other things, is to “conserve and protect for the benefit and enjoyment of present and future generations . . . the water resources of area streams, based on seasonally available flows, which are necessary to support aquatic, riparian, and terrestrial species and communities.” (*Linda Bassi*)

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 November 2012 Director’s Report

- **Community Office for Resource Efficiency** – Commercial Indoor Water Audits

Two grants have been approved since the last Board meeting:

- **Center for Resource Conservation** – Commercial Water Audits (\$47,805)
- **Community Office for Resource Efficiency** – Organize efforts to develop a Regional Water Efficiency Plan for the Roaring Fork Watershed (\$5,400)

Deliverables to the CWCB are as follows:

- **Southeastern Colorado Water Conservancy District** – Arkansas Valley Conduit Regional Water Efficiency Plan – *submitted 50% Progress Reports*
- **Southeastern Colorado Water Conservancy District** – Arkansas Valley System-wide Audits – *submitted 75% Progress & Final Report*
- **Recharge Colorado** – Water- Energy Nexus Workshops – *submitted 50% & 75% Progress Reports*
- **City of Evans** – Drought Management Plan – *submitted 50% Progress Report*
- **City of Longmont** – Rebate/Audit Program – *submitted 50% Progress Report*
- **Tri-County Water Conservancy District** – Commercial Water Audit Program – *submitted Final Report*
- **City of Dacono** – Water Rate Study – *submitted Final Report*
- **City of Englewood** – Water Efficiency Plan – *submitted 50%& 75% Progress Reports*
- **Pagosa Area Water & Sanitation District** – Drought Management Plan – *submitted Final Drought Management Plan*

- **St Charles Mesa Water District** – Meter Replacement – *submitted 50%, 75% Progress & Final Reports*
- **Mount Werner Water & Sanitation District** – Rebate Program – *submitted 75% Progress 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

Approved Plans

- Town of Firestone Drought Management Plan

Plans in review

- **Pagosa Area Water and Sanitation District – Drought Management Plan** – submitted a draft Drought Management Plan in early January and is under review by CWCB staff. *(Taryn Finnessey & Ben Wade)*

WATER EFFICIENCY PLANS: 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 Westminster**
- **City of Trinidad**
- **Meridian Metro District**

Water Efficiency Plans in 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.
- **Town of Estes Park** – CWCB received the plan on April 25, 2012. Kevin Reidy met with Town of Estes Park consultants in August and is waiting on revisions.
- **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.
- **Southeastern Colorado Water Conservancy District** – The CWCB received the Arkansas Valley Conduit Regional Water Efficiency Plan for review on November 28, 2012 and is almost complete. The plan is out for public comment at present time. *(Kevin Reidy & Ben Wade)*

GOVERNOR'S WATER AVAILABILITY TASK FORCE: The next Water Availability Task Force will be on January 23, 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 is on hiatus until further notice. They will remain intact as a group and be consulted and brought together when necessary. (*Kevin Reidy*)

WATER-ENERGY NEXUS COLORADO RIVER BASIN WORKSHOP: In Mid-December 2012, staff attended the Colorado River Basin Water Energy Nexus workshop. This focused on the linkages between energy and water supply development and demand management. Participants shared current experiences in water and energy development and demand management efforts, and explored linkages between these efforts – that exist or should exist in the future. (*Taryn Finnessey & Kevin Reidy*)

HYDROLOGIC IMPACTS UNDER CLIMATE CHANGE: Staff attended the Hydrologic Impacts Under Climate Change course in Boulder January 15-17, 2012 facilitated by Representatives from the Denver region of the US Bureau of Reclamation and UCAR's COMET Program. Course instructors include experts from government agencies and both private and public research institutions. The main focus of the course was modeling the impacts of climate change on surface water hydrology. Hands-on exercises illustrated examples of generating future climate data that are relevant to local areas and then used those data to run surface hydrology impacts models. (*Taryn Finnessey*)

WATER CONSERVATION ROUNDTABLE SUMMIT: Staff presented at and participated in the Water Conservation Roundtable Summit held in Silverthorne, CO on December 3, 2012. The summit brought together roundtable members and interested parties from West and East slope communities to discuss the role of water conservation in statewide water supply planning. (*Kevin Reidy*)

LOAN REPAYMENT DELINQUENCY: Loan Repayments received relative to the Water Project Construction Loan Program have been reviewed for the period covering July 2012 through December 2012. 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 the first six months of Fiscal Year 2013 totaled 151. There were three loan payments not received on time during this period. The loan payments from 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 30 days late and has not been received to date. Thus, the on-time performance for the total repayments due was 98% in compliance or 2% not in compliance.

As an additional note, Rodney Preisser has not met his obligations since Fiscal Year 2007 and has filed Bankruptcy. (*Steve Biondo*)

LOAN FINANCIAL ACTIVITY: Loan Financial Activity relative to the Water Project Construction Loan Program for Fiscal Year 2013 is detailed on the following attachment. Funds received relative to loans in repayment totaled \$23.3M for this period. Funds disbursed relative to new project loans totaled \$4.9M for this period. Net activity resulted in \$18.4M received by the CWCBC 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 \$17.1M in receivables and \$4.1M in disbursements for a total net activity of \$13.0M received over disbursed. The STTFPBA consists of \$6.2M in receivables and \$0.8M in disbursements for a total net activity of \$5.4M received over disbursed. (*Steve Biondo*)

NONCONSUMPTIVE TOOLBOX: The IBCC asked the Basin Roundtables to develop a nonconsumptive implementation plan in one of their recommendations. The recommendation reads:

Develop Nonconsumptive Implementation Plan: Building on information previously compiled for SWSI 2010, identify nonconsumptive geographic and/or seasonal gaps and then suggest and prioritize projects and methods that can fill those gaps in a strategic manner. Using the Toolbox described below, the projects should identify initial cost estimates, potential partners, and whether any entity has agreed to take the lead.

The toolbox is described in the following way:

Develop a Toolbox for nonconsumptive needs, starting with a list of what resources are already available to inform the above discussions and how to access those resources; this will include summaries of a mapping exercise in the Southwest Basin and a modeling exercise in the Yampa-White-Green Basin.

Staff has been working with the CDM technical team on developing a nonconsumptive toolbox. The document can be used to identify projects and methods to meet nonconsumptive needs identified by the Basin Roundtables. Staff will present a draft to the board at the March 2013 Board meeting, and then have a public review period thereafter. The document is organized around five main sections:

- A. Goals and Objectives
- B. Measurable Outcome(s)
- C. Needs and Opportunities
- D. Decision Process

In addition, it will have the following appendices:

- Appendix A: Scientific Information Related to Environmental Attributes
- Appendix B: Examples of Measurable Outcomes
- Appendix C: Projects and Methods Mapping
- Appendix D: Nonconsumptive Projects and Methods Funding Opportunities
- Appendix E: Case Studies
- Appendix F: Existing Programs (*Jacob Bornstein*)

~ATTACHMENTS~

- 01 Instream Flow and Natural Lake Level Program – Summary of Resolved Opposition Cases
- 02 Finance – Current Prequalified Project List and Loan Prospect Summary
- 03 Finance – Agricultural Emergency Drought (AED) Grant Program Update
- 04 CWCB Financial Activity Report
- 05 Finance – Design and Construction Status Report
- 06 House Resolution 6060
- 07 WSRA Grants Completed
- 08 WSRA Grants In Progress
- 09 WSRA Grants Not Yet Contracted

**January 28-29, 2013 Board Meeting
Instream Flow and Natural Lake Level Program
Summary of Resolved Opposition Cases**

The Board's 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):

EXAMPLE LANGUAGE:

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

(1) Case No. 5-07CW229: Application of West Divide Water Conservancy District

The Board ratified this statement of opposition at its March 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 and appropriative right of exchange does not injure the Board's instream flow water rights on Elk Creek, East Rifle Creek and Rifle 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:

CWCB Case No.	Stream/Lake	Amount (cfs)	Approp. Date	Watershed	County
5-80CW314	Elk Creek	10/6	05/07/80	Colorado River	Garfield
5-80CW315	Elk Creek	15/8	05/07/80	Colorado River	Garfield
5-80CW317	East Rifle Creek	6	05/07/80	Colorado River	Garfield
5-80CW321	Rifle Creek	9/5	05/07/80	Colorado River	Garfield

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

- The total amount of *out-of priority* augmentation water available to this plan is 100 acre feet. However, total annual depletions from West Divide's contractees may exceed this total. During times of a senior call that is recognized and administered by the Division Engineer, West Divide will ensure its depletions do not exceed 100 acre feet. Further, West Divide will ensure that irrigation season depletions to Rifle Creek do not exceed 100 acre feet. West Divide must ensure that the total amount of out-of-priority depletions (including diversions as appropriate) accruing to the stream in any month do not exceed the amount of substitute supply available to replace such depletion in that month. By April 1st of each year, the Applicant shall submit to the Division Engineer a projection of all out-of-priority depletions, including all lagged depletions, by West Divide's contractees for the following three years to ensure that sufficient replacement water is available to cover all out-of-

priority depletions (including diversions as appropriate) under this plan for augmentation. Each year's projection shall be updated, from time to time, as new contractees are added to this plan.

- Call from CWCB Instream Flow Rights (primarily the irrigation season).
The CWCB holds the instream flow rights referenced in Exhibit D, which are senior to the augmentation plan decreed herein. West Divide will turnout water from a gate (which gate shall operate as an augmentation station) on the Grass Valley Canal directly into East Rifle Creek. The bypass will be equal to the amount of out-of-priority depletions of West Divide's contractees depleting the instream flow reach where the CWCB is exercising a call that is recognized and administered by the Division Engineer. In order to offset any potential seepage losses, West Divide will add 1% to its calculated bypass requirement. Silt Water will receive an equal volume of water from West Divide's account in Harvey Gap Reservoir. If the calling instream flow is located below Rifle Gap Reservoir, the Division Engineer will be responsible for routing the releases through the reservoir.
- Call from CWCB Instream Flow Rights. The CWCB holds the instream flow rights referenced in Exhibit D, which are senior to the augmentation plan decreed herein. West Divide will turnout water from the West Elk Lateral of the Grass Valley Canal and deliver this water to Elk Creek above the CWCB calling water right. The bypass will be equal to the amount of out-of-priority depletions of West Divide's contractees depleting the instream flow reach where the CWCB is exercising a call that is recognized and administered by the Division Engineer. In order to offset any potential seepage losses, West Divide will add 1% to its calculated bypass requirement. Silt Water will receive an equal volume of water from West Divide's account in Harvey Gap Reservoir. A measuring device will be installed to monitor releases from the Grass Valley Canal to Elk Creek. It is anticipated that the releases will use existing irrigation pipelines and/or new pipelines to deliver water to a live stream reach. The Division Engineer will be responsible for routing the releases past the headgates of intervening diversion structures to ensure that the water is delivered to the calling water right.
- The Applicant and the CWCB agree, and the Court finds, that because the Grass Valley Canal water rights typically divert all of the water available to the Grass Valley Canal water rights, the water substitution operations under the augmentation plan will not result in any injurious expansion of use of the water rights decreed to divert through the Grass Valley Canal. In other words, the Grass Valley Canal diversions returned to the stream on behalf of West Divide under the substitution operation are diversions that would occur in the absence of this substitution.

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TO: Colorado Water Conservation Board Members

FROM: Anna Mauss, P.E.
Finance Section

DATE: January 18, 2013

SUBJECT: **Directors Report, January 28 – 29, 2013 Board Meeting**
Finance– Current Prequalified Project List and Loan Prospect Summary

John W. Hickenlooper
Governor

Mike King
DNR Executive Director

Jennifer L. Gimbel
CWCB Director

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
Previously Approved Applications						
Santa Maria Reservoir Company	Rehabilitation of Santa Maria Canal, Siphon, & Continental Dam Project	November 1, 2012	Rio Grande	The Company is planning on repairing Continental Reservoir's dam to remove a 12K AF SEO storage restriction and improve the conveyance system between Continental Reservoir and Santa Maria Reservoir.	\$4,700,000	\$2,820,000
Boxelder Basin Regional Stormwater Authority	East Side Detention Facility	July 1, 2012	South Platte	The Authority (City of Ft. Collins, Larimer County, and Town of Wellington) is planning on constructing regional stormwater improvements to reduce the threat of flooding and remove areas from the FEMA floodplain in the Boxelder Creek basin. The detention facility will provide 1,800 AF of detention.	\$13,700,000	\$12,300,000
Boxelder Basin Regional Stormwater Authority	Larimer-Weld Canal & Boxelder Creek Crossing Structure	July 1, 2012	South Platte	Through this project, the Authority is planning on building a crossing structure to convey the 100 year flows from Boxelder Creek across the Larimer-Weld Canal.	\$2,200,000	\$1,980,000
Catamount Metropolitan District	Catamount Hydroelectric Project	March 1, 2012	Yampa/White	The District intends to add a 695kW hydroelectric facility to the existing Lake Catamount Dam.	\$4,600,000	\$4,140,000
Twenty Two Road Lateral Company	Ditch Replacement	September 1, 2011	Colorado	The Twenty Two Road Lateral Company is planning on replacing its aging concrete lined ditch with a buried pipeline. It expects to get additional funding through the NRCS Salinity Control Program.	\$500,000	\$500,000
To be presented to board at the January 2013 meeting.						

Missouri Heights Mountain Meadows Irrigation Company	Ditch Lining Project	September 1, 2012	Colorado	This project involves lining one mile of ditch to prevent seepage losses. (Project to remain on list for one more year based on input from Company.)	\$450,000	\$405,000
Totals					\$26,150,000	\$22,145,000

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					
		B.H. Eaton Ditch Co (Windsor)	Pipeline & Diversion Structure	\$1,000,000	\$1,000,000
		Louden Irrigation & Reservoir Co	Ditch Improvements	\$500,000	\$500,000
		Greeley –Loveland Irrigation Co.	Augmentation Structure		\$500,000
	Aug-12	North Poudre Irrigation Company	Dam Rehabilitation		\$3,000,000
		Town of Byers	Well & Pipeline		\$700,000
		Town of Johnstown	Kauffman Reservoir Purchase		\$5,000,000
	Apr-11	Boulder Left Hand Irrigation. Co	Ditch Piping (2012)		\$300,000
	Jan-11	East Larimer County Water District	Rigdon Storage Project		\$3,000,000
	Oct-11	NISP Participants	NISP		\$30,000,000
	Oct-11	Chatfield Reallocation Participants	Chatfield Reallocation Participants		\$40,000,000
	Dec-11	Pinehurst Country Club	Harriman Reservoir	\$5,000,000	\$500,000
	Feb-12	McKay Lateral	Ditch Lining Project		\$50,000
	June-12	Foothills Park & Recreation	Reservoir Expansion	\$1,000,000	\$900,000
	Oct - 12	Shamrock Irrigation Company	Reservoir Rehabilitation		\$100,000
				TOTAL	\$85,550,000
Arkansas					
	Jan-11	Upper Arkansas WCD	Trout Creek Reservoir	\$3,000,000	\$3,000,000
		Cherokee Metro District	Wells and Pipelines	\$800,000	\$800,000
	Sep-11	Ditch and Reservoir company	Big Johnson Reservoir		\$8,000,000
	Aug-12	Town of Ordway	Reservoir Rehab		\$2,000,000
	Oct-11	Lower Arkansas Water Mgmt Association	Water Rights Purchase		\$7,500,000
	Oct-12	Highline Canal Company	Water Rights Purchase	\$4,500,000	\$4,100,000
	Feb-12	Colorado City Metro District	Beckwith Dam Repair		\$500,000
				TOTAL	\$25,900,000

San Miguel/Juan					
		Farmers Water Development Co	Gurley Reservoir Enlargement	\$5,000,000	\$5,000,000
	Feb-11	City of Ouray	Red Mountain Ditch Rehabilitation	\$200,000	\$200,000
				TOTAL	\$5,200,000
Colorado					
		Lateral MC070 Inc.	NRCS Ditch Rehabilitation	\$200,000	\$140,000
		Highland Ditch Co	Ditch Rehabilitation Project	\$200,000	\$200,000
		Ian Carney - Felix Tornare	Polaris Reservoir Rehabilitation	\$500,000	\$500,000
	Aug - 12	Lone Cabin Ditch and Reservoir Company	Reservoir Rehabilitation	\$300,000	\$300,000
				TOTAL	\$1,140,000
Gunnison					
	Jul-11	Fire Mountain Canal & Reservoir Co.	New Reservoir		\$500,000
	Oct-11	Hinsdale County/Lake City	Lake San Cristobal Dam/Spillway		\$500,000
				TOTAL	\$1,000,000
Rio Grande					
	Mar-12	Fuchs Reservoir Company	Reservoir Rehabilitation		\$100,000
				TOTAL	\$100,000
Yampa					
				TOTAL	\$0

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

Recent inquiries:

Farmers Reservoir Company – Measuring devices for ditch system
Columbine Ranches Property Owners Association – Water Rights Purchase
Cross Creek Metro District – Reservoir Rehabilitation
Headgate 545 Co-op – Lateral piping project
Falcon Ditch – Ditch lining/piping
Town of Walsenberg – Dam rehabilitation projects

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TO: Colorado Water Conservation Board Members

FROM: Anna Mauss, P.E.
Finance Section

DATE: January 18, 2013

SUBJECT: **Directors Report, January 28-29, 2013 Board Meeting**
Finance – Agricultural Emergency Drought (AED) Grant Program UpdateJohn Hickenlooper
GovernorMike King
DNR Executive DirectorJennifer L. Gimbel
CWCB Director

The Agricultural Emergency Drought (AED) Grant Program provides up to \$1 million annually for emergency drought-related water augmentation purposes to Colorado's agricultural water users. The program is open to agricultural organizations located in areas where a disaster emergency has been proclaimed due to drought. Grant funds are used to offset the added costs of leasing water during drought years.

All requests are reviewed by the AED grant committee. The committee is comprised of the Director of the CWCB, the State Engineer, the Commissioner of Agriculture and the Executive Director of the Department of Natural Resources.

In FY12/13, the full \$1 million has been spent. The table below summarizes the disbursements.

SPONSOR	APPROVAL DATE	REQUESTED AMOUNT	AMOUNT APPROVED
Lower Arkansas Valley Water Conservancy District	9/5/2012	\$78,683.60	\$78,683.60
Arkansas Groundwater Users Association	9/4/2012	\$112,584.87	\$112,584.87
Colorado Water Protective and Development Association	9/25/12	\$346,178.00	\$293,186.63
Lower South latte Water Conservancy District	11/15/2012	\$71,274.00	\$71,274.00
Well Augmentation Subdistrict of the Central Colorado Water Conservancy District	11/15/2012	\$216,577.68	\$216,577.68
Lower Arkansas Water Management Association	11/7/2012	\$331,592.50	\$227,693.22
FUNDING SUMMARY			
TOTAL AMOUNT APPROVED TO DATE (FY13)			\$ 1,000,000.00

COLORADO WATER CONSERVATION BOARD

FINANCIAL ACTIVITY REPORT

FOR FISCAL YEAR 2013

CONSTRUCTION FUND

Period	Principal	Interest	Total Received	Disbursements	Net Activity
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	\$ -	\$ -	\$ -	\$ -	\$ -
February 2013	\$ -	\$ -	\$ -	\$ -	\$ -
March 2013	\$ -	\$ -	\$ -	\$ -	\$ -
April 2013	\$ -	\$ -	\$ -	\$ -	\$ -
May 2013	\$ -	\$ -	\$ -	\$ -	\$ -
June 2013	\$ -	\$ -	\$ -	\$ -	\$ -
FY 2013 Totals	\$ 13,539,344	\$ 3,611,386	\$ 17,150,730	\$ 4,103,760	\$ 13,046,970

SEVERANCE TAX TRUST FUND PERPETUAL BASE ACCOUNT

Period	Principal	Interest	Total Received	Disbursements	Net Activity
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	\$ -	\$ -	\$ -	\$ -	\$ -
February 2013	\$ -	\$ -	\$ -	\$ -	\$ -
March 2013	\$ -	\$ -	\$ -	\$ -	\$ -
April 2013	\$ -	\$ -	\$ -	\$ -	\$ -
May 2013	\$ -	\$ -	\$ -	\$ -	\$ -
June 2013	\$ -	\$ -	\$ -	\$ -	\$ -
FY 2013 Totals	\$ 1,773,554	\$ 4,444,937	\$ 6,218,490	\$ 823,771	\$ 5,394,720
GRAND TOTALS	\$ 15,312,898	\$ 8,056,322	\$ 23,369,220	\$ 4,927,531	\$ 18,441,689

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TO: Colorado Water Conservation Board Members

John W. Hickenlooper
Governor

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

Mike King
DNR Executive Director

DATE: January 11, 2013

Jennifer L. Gimbel
CWCB Director

SUBJECT: **Directors Report – January 28-29, 2013 Board Meeting**
Finance Section – Design & Construction Status Report

The CWCB Loan Program has Substantially Completed eleven (13) projects in Calendar Year 2012 as shown in Table 1. There are currently 48 projects authorized to receive loan funding totaling \$162 million. There are 40 projects currently under contract and in the Design and Construction phase totaling \$82 million.

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

TABLE 1

	Borrower	Project	County	Loan	Completed
1	Boulder White Rock Ditch Res Co	Panama Res Outlet Rehab	Boulder/Weld	\$2,864,164	1/1/12(a)
2	Louden Irrigation Canal & Res. Co.	Rist Benson Res. Rehab.	Larimer	\$663,610	4/1/12(b)
3	Farmers Pawnee Canal Co	Ditch Flow Control Struct	Logan	\$255,530	6/1/12
4	Seven Lakes Res Co	Railroad Crossing	Weld	\$772,842	6/1/12
5	Duel & Snyder Improvement Co	Diversion Structure Rehab	Morgan	\$109,053	6/1/12
6	Last Chance Ditch Co	Ditch Headworks Replacement	Weld	\$185,436	7/1/12
7	Lake Canal Reservoir Co	So. Gray Res. Rehab.	Larimer	\$393,900	7/1/12(c)
8	Jackson Ditch Co	Headgate Check Struct. Rehab	Larimer	\$81,810	7/1/12
9	Snowmass W&S Dist	Zeigler Res. Water Management	Pitkin	\$1,952,805	9/1/12
10	Snowmass W&S Dist	Zeigler Res. Expansion Proj	Pitkin	\$2,873,804	9/1/12(d)
11	Republican River WCD	Compact Compliance Pipeline	Multiple	\$60,600,000	9/1/12
12	Pagosa Area WSD	Dry Gulch Res. Land Acquisition	Archuleta	\$11,217,060	10/1/12
13	New Cache La Poudre Irr. Co.	Reservoir Project	Weld	\$7,272,000	12/1/12(e)
		Total		\$89,242,000	

Calendar Year 2012 has added or preserved 8,610AF of reservoir storage [(a) 2,600AF, (b) 150AF, (c) 1,120AF, (d) 240AF, (e) 4,500AF]

**Boulder White Rock Ditch & Reservoir Company
PANAMA RESERVOIR OUTLET PROJECT**



Project Description

The Boulder White Rock Ditch and Reservoir Company delivers irrigation water to land in Boulder and Weld Counties. It diverts water from Boulder Creek in downtown Boulder through the Boulder White Rock Ditch and stores water in two of its facilities: Six Mile Reservoir and Panama Reservoir. Due to recent operational changes, the Company no longer exchanges water with nearby ditches and needed to improve the flexibility in its own system to meet its shareholder's needs. The Company built a pump station at the Panama Reservoir outlet in order to use water stored in the reservoir that was inaccessible through the existing gravity outlet.

Project Data

Sponsor: Boulder White Rock Ditch & Reservoir Company

County: Boulder/Weld

Water Source: Boulder Creek

Terms of Loan: \$2,549,689.90 for 30 years @ 3.45%

Substantial Completion: January 1, 2012

Design Engineer: NRCS, Longmont and URS, Inc., Denver

Contractor: Krische Construction, Inc, Longmont

Project Elements: 32ft x 25ft Building, three 150HP vertical turbine pumps, 33ft deep wet well, 4000lf of PVC pipe, riprap and fill material around access road.

**Louden Irrigating Canal & Reservoir Company
RIST-BENSON DAM REHABILITATION PROJECT**



Project Description

The Company owns and operates the Rist-Benson Reservoir, which is on the west side of Loveland, Colorado. Since 2005, the Reservoir has been restricted to a gauge height of 10.0 feet due to seepage problems along the dam. The Company has repaired two sections of the embankment in previous years. This Project is the third and last phase of repairs and has increased storage by 150 AF allowing for full storage of 491 AF. Construction was completed in June 2011. SEO Dam Safety Branch was received.

Project Data

Sponsor: Loudon Irrigating Canal & Reservoir Company

County: Larimer

Water Source: Big Thompson River

Terms of Loan: \$189,842.76 for 30 years @ 3.5%

Substantial Completion: April 1, 2012

Design Engineer: Telesto Solutions, Inc., Fort Collins

Contractor: Connell Resources, Fort Collins

Project Elements: The rehabilitation involves excavating and re-compacting sections of the embankment, installation of a toe drain, and installing riprap on the upstream face of the dam.

**Farmers Pawnee Canal Company
DITCH FLOW CONTROL STRUCTURES**



Project Description

The Farmers Pawnee Canal Company provides irrigation water to approximately 10,000 acres of land between Merino and Sterling, Colorado. It uses two separate structures to control flow in the Pawnee Ditch. The first is a main diversion at the South Platte River. The second is a few miles down the Ditch and is used to adjust flow. The Company replaced a portion of the main diversion with a new 12-foot radial gate and replaced the secondary structure with four 8-foot wide radial gates.

Project Data

Sponsor: Farmers Pawnee Canal Co.

County: Logan

Water Source: South Platte River

Terms of Loan: \$255,530.00 for 30 years @ 2.5%

Substantial Completion: June 1, 2012

Design Engineer: Nation Engineering Services, Fort Morgan

Contractor: Ransom Boone Excavating, Fort Morgan
and Parker Construction & Machine, Fort Collins

Project Elements: River Diversion Gate and Flow Control Gates

**Seven Lakes Reservoir Company
DRY CREEK RAILROAD CROSSING REHABILITATION PROJECT**



Project Description

The Seven Lake Reservoir Company is responsible for the delivery of a 1,000 cfs water right from the Big Thompson River, through Lake Loveland, to Horseshoe Reservoir. The section of canal between the Lake Loveland outlet and Horseshoe Reservoir is approximately 7,500 feet in length. There was an existing 5-barrel culvert crossing under the BNSF railroad that was deteriorating and creating a bottle neck. This project bored a tunnel under the railroad, and installed an 84" conduit to increase the capacity and efficiency of water deliveries at the crossing.

Project Data

Sponsor: Seven Lakes Reservoir Company

County: Larimer, Weld

Water Source: Big Thompson River

Substantial Completion: June 1, 2012

Terms of Loan: \$772,842 for 30 years @ 2.95%

Design Engineer: URS Corporation; Greeley, CO

Contractor: BT Construction, Inc; Henderson, CO

Project Elements: 115 LF of 84" steel pipe and casing, 1 cast-in-place concrete intake structure, and 1 cast-in-place concrete outlet structure

**Deuel and Snyder Improvement Company
RIVER SAND GATE STRUCTURE PROJECT**



Project Description

The Deuel and Snyder Improvement Company provides irrigation water to a 1,650 acre service area located in Morgan County. The Company operates a sand gate located on a South Platte River diversion structure. In order to improve the safety conditions for its employees and more efficiently operate the gate, the Company installed a new bladder dam at its canal. Construction began in January 2012 and was completed in February 2012.

Project Data

Sponsor: Deuel & Snyder Improvement Company

County: Morgan

Water Source: South Platte River

Terms of Loan: \$109,053 for 30 years @ 2.5%

Substantial Completion: June 1, 2012

Design Engineer: Nation Engineering Services, Inc., Fort Morgan

Contractor: Ransom Boone Excavating, Fort Morgan

Project Elements: The construction was the installation of a new bladder dam and control house at the Company's canal inlet.

**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%

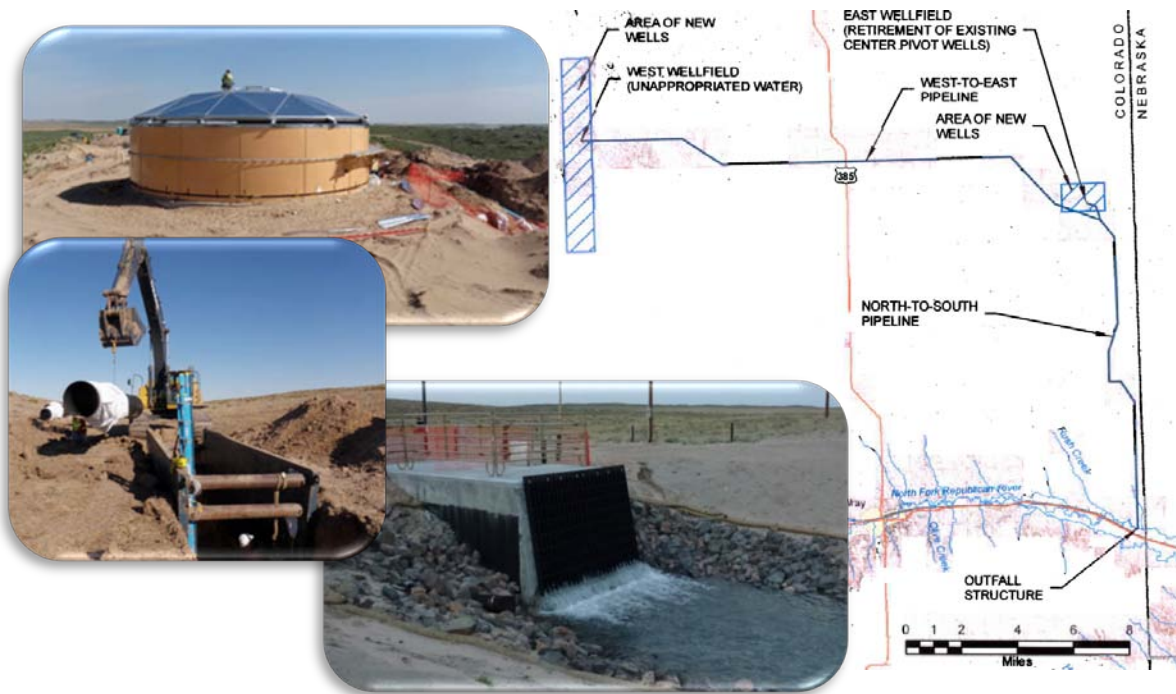
Substantial Completion: September 1, 2012

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

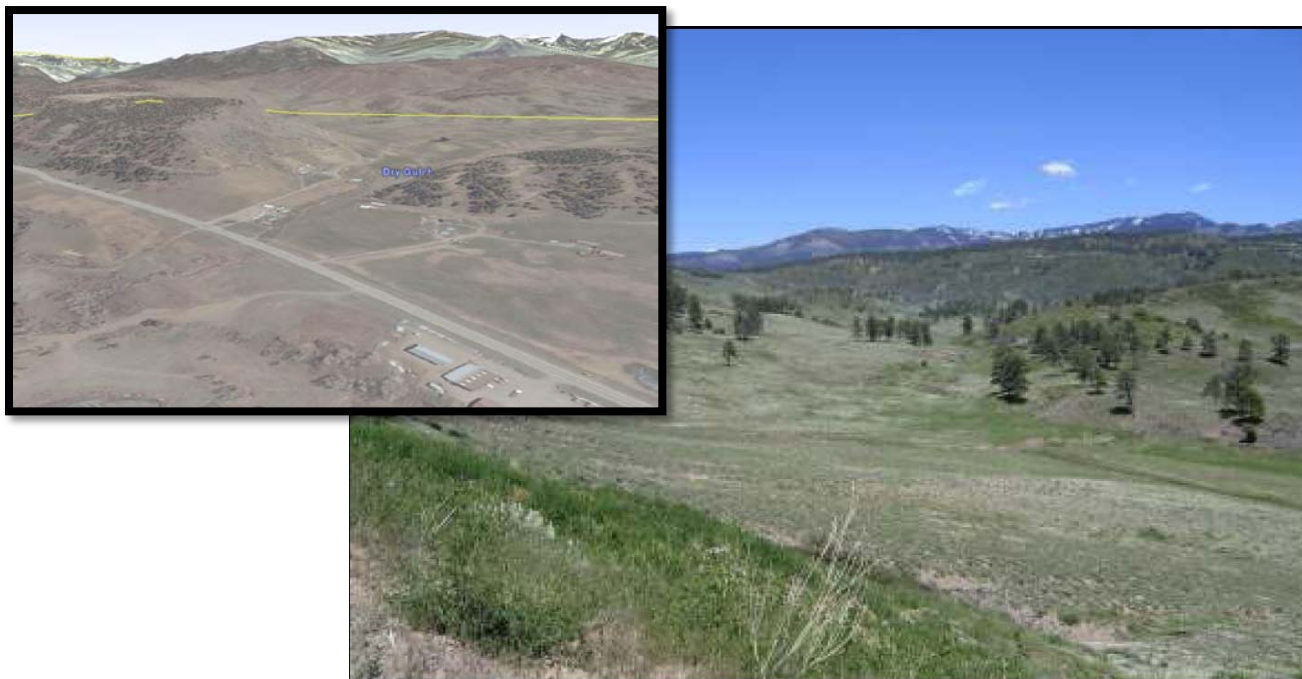
Contractor: Garney Construction, Kansas City Mo.

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
BARNESVILLE 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.

January 11, 2013

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

Current Projects in Design or under Construction

Pg	Borrower/Project	County	Loan	Design	Construction		PM	Status Description/Update
			Amount	Status	Start/End	Status		
1	Big Elk Meadows Association > Raw Water System Improvements Project C150327	Boulder/ Larimer	\$ 272,700	100%	Jan 12 - Dec 12	99%	RE	Construction was complete by then end of December 2012. Substantial completion is set for February 1, 2013.
2	Center of Colorado Water Conservancy Dist > Smelter Pipeline Reservoir Enlargement C150335	Park	\$ 404,000	100%	Jul 12 - Dec 12	100%	RE	SC 1/13 or 2/13
3	Crystal Lakes Water and Sewer Association > Lower Lone Pine Lake Enlargement Project C150325	Larimer	\$ 2,363,400	80%	Apr 12 - Aug 14	0%	RE	Due to permitting complications through SEO (approval weeks or even months away) the Association has elected to push construction off until 2013. Plan to solicit bids in early 2013 and begin construction June/July. Land acquisitions are planned for winter 2012/2013.
4	Dillon, Town of > Old Dillon Reservoir Enlargement C150295	Summit	\$ 1,515,000.00	100%	Sep 10 - Jan 12	99%	KR	The contractor failed to complete the project within the contract deadline. Project was completed in the fall of 2012 however the contractor is working to repair faulty a pipeline.
5	Eckhardt Farms Inc > Water Rights Purchase C150338	Weld	\$ 1,336,230.00	N/A	Jan 13 - Jan 17	0%	AM	The 1st of the 2 water rights purchases is expected to occur in early 2013.
6	Farmers Reservoir and Irrigation Company > Milton Reservoir and Barr Lake Improvement Proj. C150297	Adams/ Weld	\$ 3,535,000.00	100%	Oct 09 - Jan 13	99%	KR	Projects are nearly complete and Substantial Completion is expected in 2013.
7	Farmers' High Line Canal and Reservoir Company > System Rehabilitation Project C150314	Adams/ Jefferson	\$ 1,410,768.00	85%	Feb 11 - Feb 14	10%	RE	The Co. received a loan increase of nearly \$900K in November 2012. Work started in December 2012 and is scheduled to be completed by 3/15/2013.
8	Fisher Ditch Company > Ditch Infrastructure Project C150319	Denver	\$ 454,500	100%	Nov 12 - Dec 13	20%	RE	The Broadway Pipeline task was completed at the end of 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.
9	Fort Morgan Reservoir & Irrigation Co. > River Diversion Rehabilitation Project C150339	Morgan	\$ 1,308,960	100%	Sep 12 - Jan 13	99%	AM	Construction began in September 2012 and is near completion.
10	Fort Morgan Reservoir and Irrigation Company > Pipeline Project - Augmentation Retiming C150298	Morgan	\$ 1,494,800.00	100%	Sep 10 - Jul 12	99%	KR	Project was completed however some complications with the pumps ability to pump the specified amount of water to the recharge ponds remains. The primary concern is that the screen in the river is not functioning as designed during sandy/silty river flows.

Design Construction Status Report

January 11, 2013

Current Projects in Design or under Construction

Pg	Borrower/Project	County	Loan Amount	Design Status	Construction Start/End	Status	PM	Status Description/Update
11	Georgetown, Town of > Outlet Works Modification Project C150321	Clear Creek	\$ 2,976,975	50%	Jan 13 - Jul 14	0%	AM	Final design is underway. Construction is expected to begin in the spring of 2013.
12	Greeley Irrigation Company > Greeley Canal No. 3 Rehabilitation C150239	Wled	\$ 2,233,867.00	90%	Feb 08 - Jul 13	90%	KR	Nearly complete. The Company is working on their SCADA system and the realignment and reshaping of various sections of existing channel.
13	Gypsum, Town of > LEDE Ditch and Reservoir Rrehabilitation C150296	Eagle	\$ 2,689,731.00	60%	Jul 13 - Jul 14	15%	KR	The Town received a WSRA grant for an enlargement of the Reservoir. The supply side pipeline component of the Project above the Reservoir was completed in September 2010. Permitting effort continues with construction expected in summer 2013.
14	Henrylyn Irrigation District > Horse Creek & Prospect Reservoir Rehabilitation C150252	Weld	\$ 2,184,327.00	100%	Nov 08 - Dec 12	99%	RE	The Prospect Res. outlet pipe has been lined and dam crest regrading is complete. The Company contracted with Zac Dirt in October 2011 to increase the dam width of Horse Creek with the remaining loan funds. Construction is expected to be complete in the spring of 2013.
15	Joseph W. Bowles Reservoir Company > Bowles No. 1 Dam Rehabilitation C150290	Jefferson	\$ 1,703,870.00	100%	Aug 10 - Jan 14	90%	KR	Dam construction project was completed in the summer of 2011. Ditch construction is expected to continue thru 2013.
16	La Veta, Town of > La Veta Dam Rehabilitation C150329	Huerfano	\$ 372,690	100%	Oct 12 - Mar 13	25%	AM	The design was approved by the SEO in August of 2012. The bid has been awarded and construction began in October of 2012.
17	Lake Canal Reservoir Company > North Gray Reservoir Rehab Project C150299	Larimer/ Weld	\$ 116,625.00	20%	Sep 13 - Jan 14	0%	AM	The company is re-evaluating options for the reservoir site.
18	Left Hand Ditch Company > Allen Lake and Lake Isabelle Repair Project C150336	Boulder	\$ 1,157,157	50%	Nov 12 - Aug 13	25%	RE	Allen Lake Repairs began in November 2012 and are scheduled for completion by early January 2013. Lake Isabelle engineering drawings are expected to be submitted to SEO for review in Spring 2013.
19	Lower Latham Reservoir Company > Well Augmentation Project C150304	Weld	\$ 3,811,573.00	100%	Nov 09 - Jan 13	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.
20	Mancos Water Conservancy District > Inlet and Outlet Canal Rehabilitation C150120	Montezuma	\$ 5,486,531.00	75%	Jan 04 - Jan 14	99%	KR	Rehabilitation of ditch system involving retaining walls and access road along the ditch was complited in 2009. Ditch lining portion of Project was completed in October 2011.

Design Construction Status Report

January 11, 2013

Current Projects in Design or under Construction

Pg	Borrower/Project	County	Loan Amount	Design Status	Construction		PM	Status Description/Update
					Start/End	Status		
21	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.
22	Montezuma Valley Irrigation Company > May Lateral Pipeline C150251	Montezuma	\$ 5,292,400.00	100%	Nov 07 - Jul 12	99%	KR	AgriTech Consulting designed the improvements. Installation of the 5-mile pipeline was completed in 2012. SC expected in 2013
23	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 pipeline completed along with pressure reducing valves. Installation of solar panels is continuing.
24	New Salida Ditch Company > Ditch Rehabilitation C150277	Chaffee	\$ 365,620.00	100%	Oct 09 - Dec 13	90%	KR	Most of construction completed in 2009. Additional phases to be completed in 2013.
25	North Delta Irrigation Company > NDIC Tunnel Repair Project C150331	Delta	\$ 808,000	100%	Jan 12 - Dec 12	99%	RE	Construction of tunnel pipe was completed in the summer of 2012. Additional work was required in order to achieve adequate flows. SC is planned for June 2013.
26	Ogilvy Augmentation Company > Well Augmentation C150273	Weld	\$ 1,010,808.00	100%	Dec 08 - Jul 12	95%	KR	Company purchased the water rights and constructed the recharge facility. OAC's well augmentation decree trial is scheduled for summer 2013. When decreed, OAC will execute second loan to begin the design and const. of new reservoir.
27	Overland Ditch and Reservoir Company > Overland Reservoir Rehabilitation C150206	Delta	\$ 1,130,000.00	50%	Permitting	0%	KR	Project on-hold until fens can be addressed in enlarged reservoir area.
28	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.
29	Parkville Water District > Canterbury Tunnel Repair C150308	Lake	\$ 1,838,200.00	100%	Jan 12 - Jan 14	99%	KR	Project is complete and SC is expected in 2013.
30	Penrose Water District > Water Rights Purchase and Pipeline Installation C150237	Fremont	\$ 8,844,570.00	65%	Oct 10 - Jan 14	50%	KR	Water rights were purchased in 2005 with bridge financing. A water court application was filed in 2006. Dist. closed on the Brush Hollow Reservoir storage purchase in November of 2011. The District closed on the purchase of a well field near the diversion point on the Arkansas River.

Design Construction Status Report

January 11, 2013

Current Projects in Design or under Construction

Pg	Borrower/Project	County	Loan Amount	Design Status	Construction Start/End	Status	PM	Status Description/Update
31	Pisgah Reservoir and Ditch Company > Mount Pisgah Dam/Wrights Reservoir Rehab C150341	Teller	\$ 161,345	0%	Jan 13 - Jan 17	0%	RE	
32	Platte Valley Irrigation Company > Equalizer Reservoir Project C150235	Weld	\$ 2,388,650.00	100%	Nov 10 - Jul 13	5%	KR	
33	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 spring of 2013.
34	Riverside Reservoir and Land Company > Riverside Reservoir Spillway Enlargement C150291	Weld	\$ 2,838,100.00	80%	Sep 10 - Jan 15	0%	AM	Construction is expected in 2013. The engineer is re-evaluating design options with support from the SEO.
35	Terrace Irrigation Co > Spillway Replacment Project C150332	Conejos	\$ 2,724,721	100%	Jul 12 - Jul 13	60%	KR	Construction by ASI Contractors is expected to be complete by early 2013.
36	Thunderbird W&S Dist > Lambert Ranch Water Rights Purchase C150320	Douglas	\$ 318,150.00	100%	N/A	0%	RE	Closing has been delayed until 2013 due to easement access to purchased wells.
37	Tri-County Water Conservancy District > Ridgway Reservoir Micro Hydro Project C150324	Ouray/ Mont/ Delta	\$ 9,090,000	75%	Jul 12 - Dec 13	0%	KR	Construction is scheduled to begin in the spring of 2013 with energy production expected by October 2013. In September 2012, CWCB approved the release of \$5M to keep the project on schedule. This was an exception to the original contract conditions.
38	Two Rivers Water Company > Orlando Reservoir Rehabilitation C150328	Huerfano/ Pueblo	\$ 1,184,882	100%	Jan 12 - Jul 13	99%	AM	The Cucharas Dam phase I rehabilitation, Orlando Reservoir No. 2 outlet works, and the Orlando Canal headgate projects have been completed. Substantial completion is expected in the spring of 2013.
39	Union Ditch Company > Well Augmentation Project C150127	Weld	\$ 312,595.00	75%	Sep 06 - Jan 14	80%	KR	One recharge pond at the Miller Feedlot Site was complted with an accompany diversion structure on the Union Ditch.
40	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 = \$ 82,001,460

Design Construction Status Report

January 11, 2013

Current Projects in Design or under Construction

Pg	Borrower/Project	County	Loan Amount	Design Status	Construction Start/End	Construction Status	PM	Status Description/Update
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Projects Not Under Contract

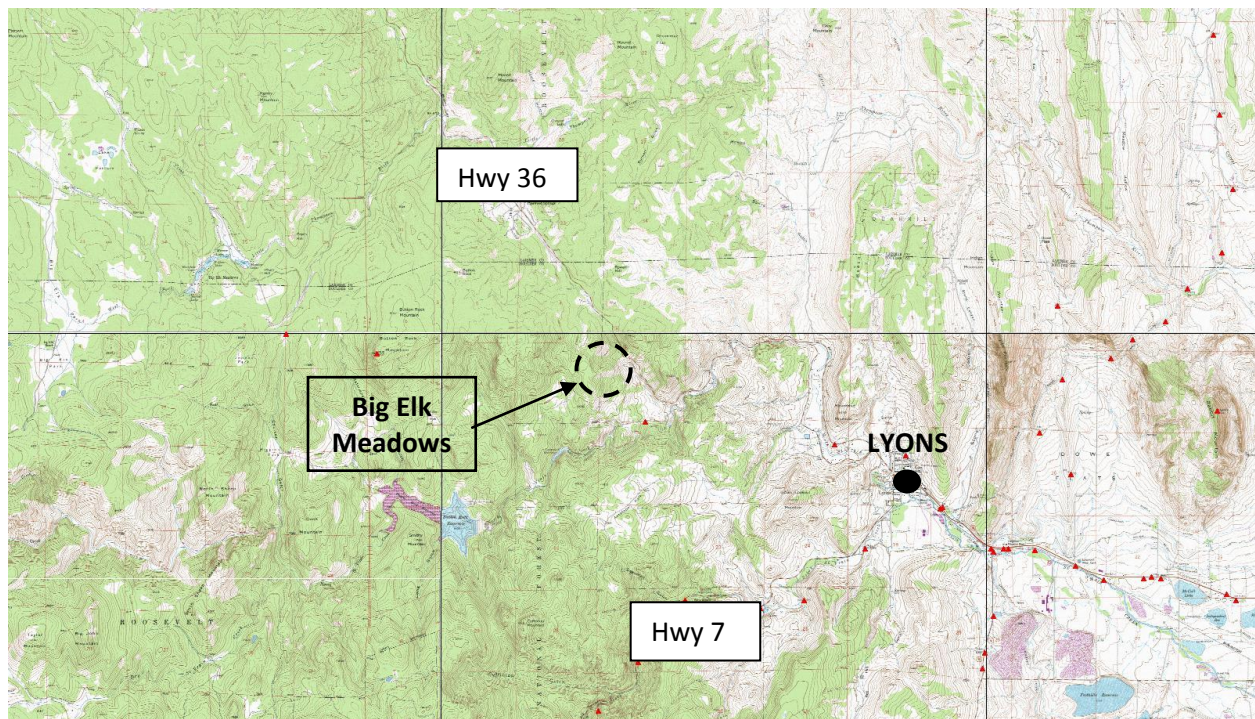
a	Southeastern CO Water Conserv. District > Arkansas Valley Conduit	Crowley	\$ 60,600,000	In Contracting	KR	Pending Federal Appropriation
b	Lake Durango Water Authority > Source Water Supply Project C150317	LaPlatta	\$ 2,525,000	In Contracting	KR	A condition of contract approval is to have an agreement 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	RE	Loan/Grant increase planned for March 2013 along with collateral change for loan.
d	Central CO WCD - WAS > Augmentation Water Supply Project C150337	Weld/ Adams/ Morgan	\$ 3,030,000	In Contracting	RE	
e	Town of Ridgway > Lake Otonowanda Rehabilitation Project C150340	Ouray	\$ 606,000	In Contracting	KR	May return to CWCB to modify the project components
f	Colorado Parks & Wildlife > Beaver Park Reservoir Rehabilitation C150343	Rio Grande	\$ 10,000,000	In Contracting	KR	
g	Sanchez Ditch and Reservoir Company > Sanchez Reservoir Outlet Rehabilitation Project C150342	Costilla	\$ 1,128,776	In Contracting	AM	
h	Bergan Ditch & Reservoir Company > Bergen Reservoir No. 2 Rehabilitation C150344	Jefferson	\$ 2,020,000	In Contracting	RE	

Not Under Contract SubTotal = \$ 79,980,476

Grand Total = \$ 161,981,936

Water Project Loan Program – Project Data Sheet**Borrower:** Big Elk Meadows Association**County:** Boulder/Larimer**Project Name:** Raw Water System Improvements**Project Type:** System Rehabilitation**Drainage Basin:** South Platte, District 4**Water Source:** West Fork of L.T. River**Total Project Cost:** \$300,000**Funding Source:** Construction Fund**Type of Borrower:** Middle-Income Municipal**Avg. Annual Depletion:** 76 AF**CWCB Loan:** \$272,700 (w/ 1% service fee)**Interest Rate:** 4.50% **Term:** 30 years

The Big Elk Meadows Association (Association) is requesting a loan for improvements to their 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 their water accounting practices it was determined the outlet conduit from Meadow Lake Dam was collapsing and there was no way to control release rates. It was also determined that the Association has no accurate means to measure flows and accurately control reservoir releases, violating the terms of its 1995 decree regarding return flows. The SEO has 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 include: Meadow Lake Dam outlet replacement, raw water monitoring, and ISH Reservoir augmentation outfall. This project will provide the Association with a means to monitor and control reservoir releases while satisfying downstream obligations per their augmentation plan.

Location Map

Water Project Loan Program - Project Data Sheet

Borrower: Center of Colorado Water
Conservancy District

County: Park

Project Name: Smelter Pipeline Reservoir
Enlargement

Project Type: Reservoir Enlargement

Drainage Basin: South Platte

Water Source: Michigan Creek

Total Project Cost: \$565,800

Funding Sources: Construction Fund

Type of Borrower: Middle-Income Municipal

Water Storage: 28 AF

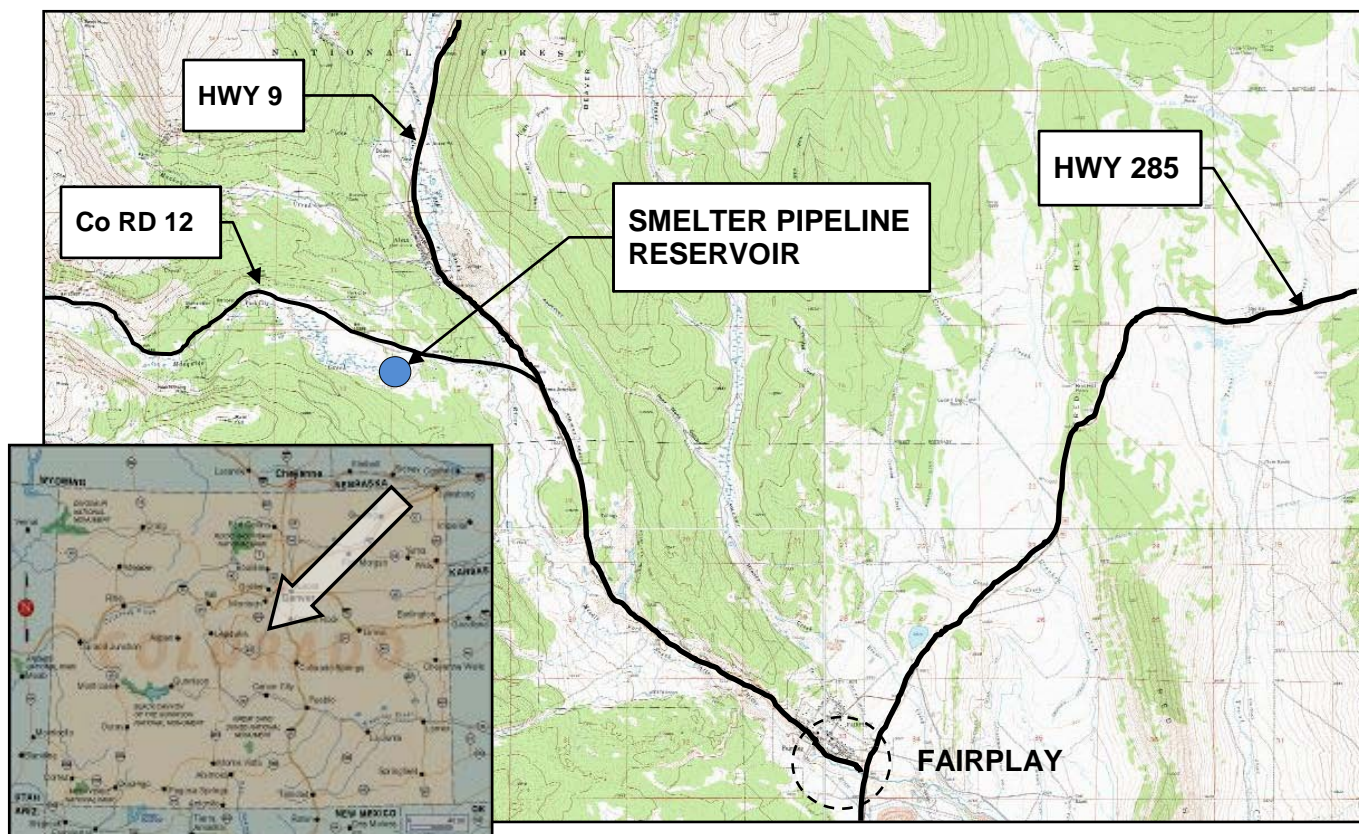
New Storage: 7 AF

Loan Amount: \$404,000 (Including 1% fee)

Interest Rate: 2.5% **Term:** 10 years
Reduced from 3.0%, 30 year

The Center of Colorado Water Conservancy District is applying for a \$400,000 loan for the enlargement of Smelter Pipeline Reservoir. The total Project cost is estimated at \$565,800. The District has requested a loan for approximately 70% of the total Project cost. The enlargement of the reservoir, from 21 AF to 28 AF will increase the District's augmentation storage and enable the District to more efficiently implement its augmentation obligation across Park County. Included in the Project is the lining of the reservoir and modification of the dam outlet works to accommodate the increased capacity. Construction is scheduled for the summer/fall of 2012.

LOCATION MAP



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



CWCB 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

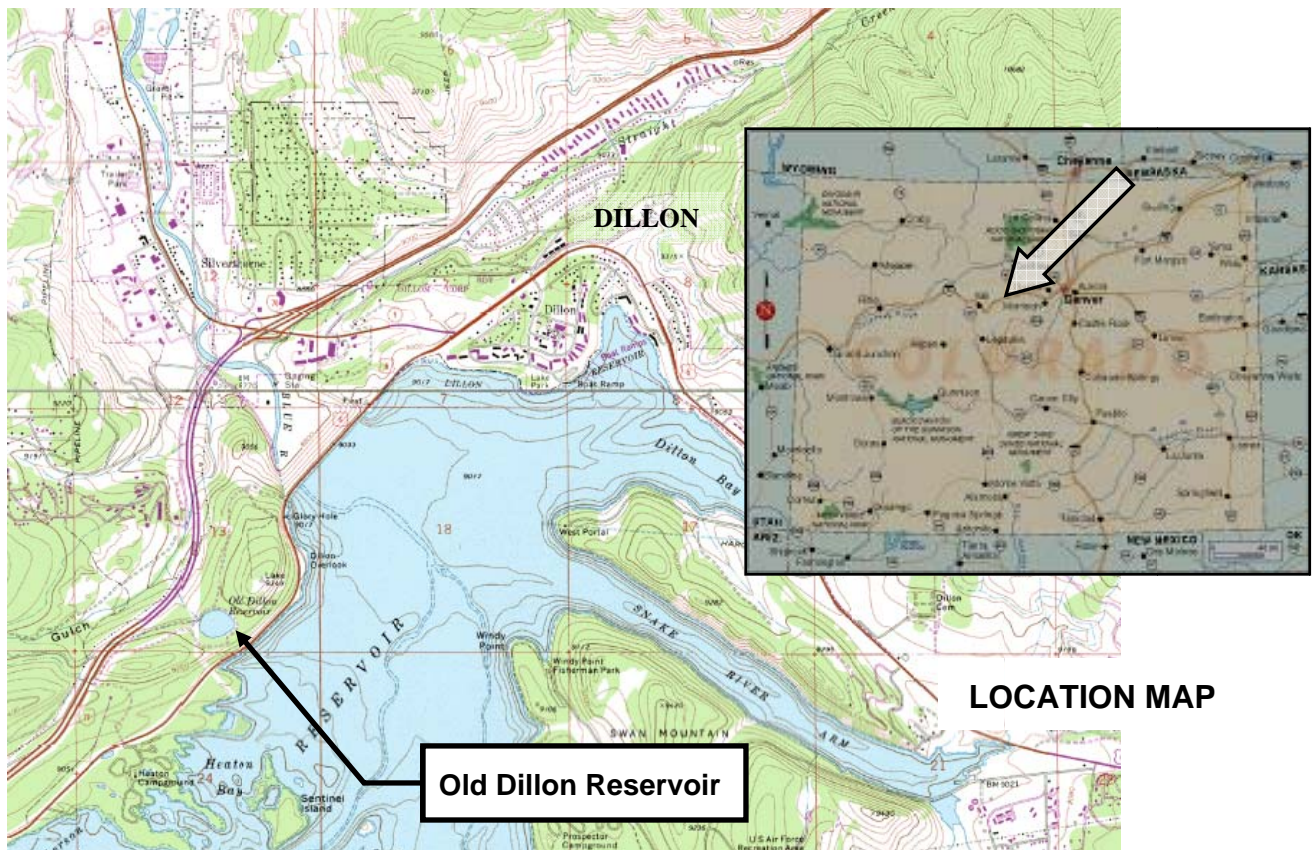
Average Delivery: 321 AF

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.

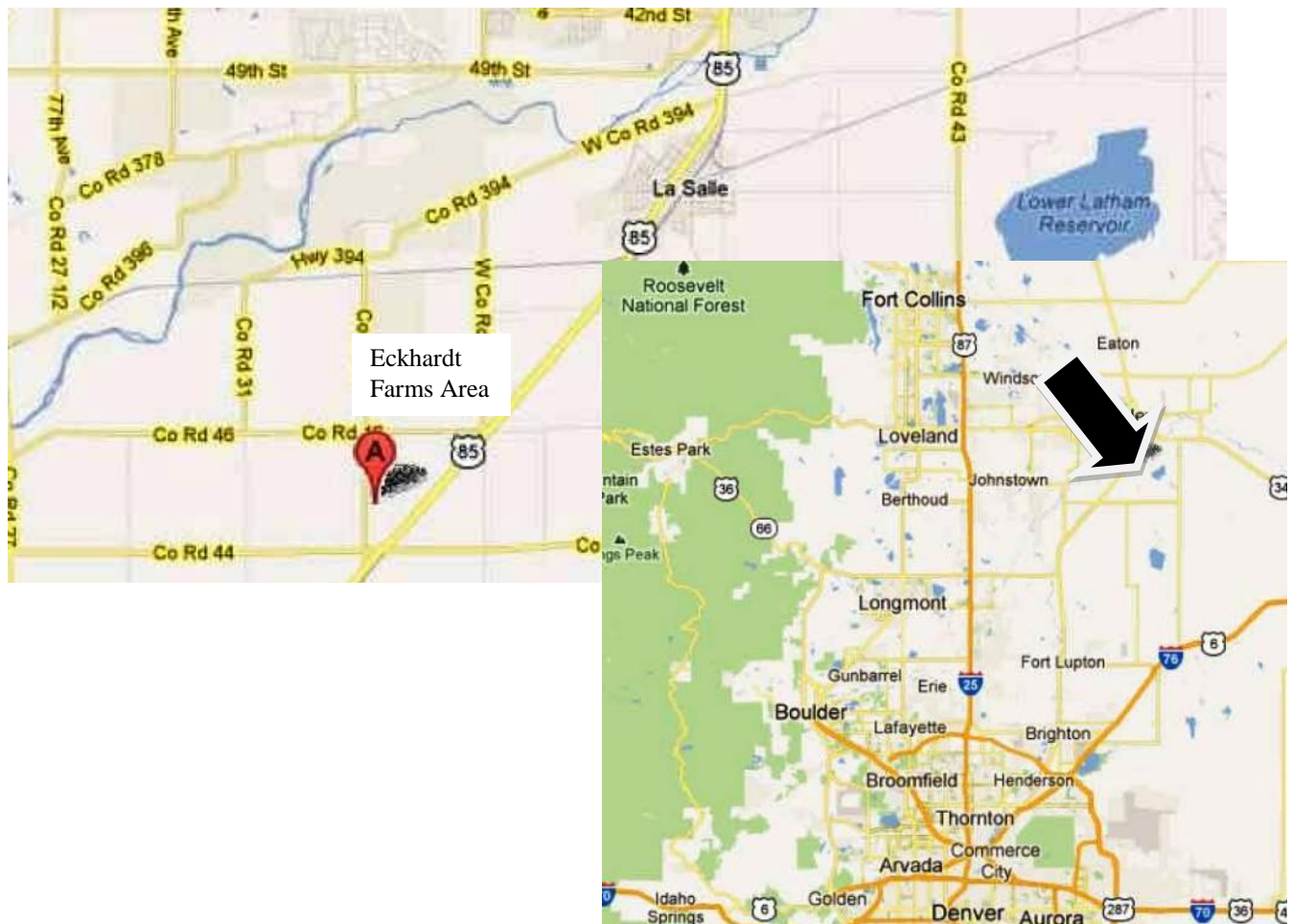


C150338

**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

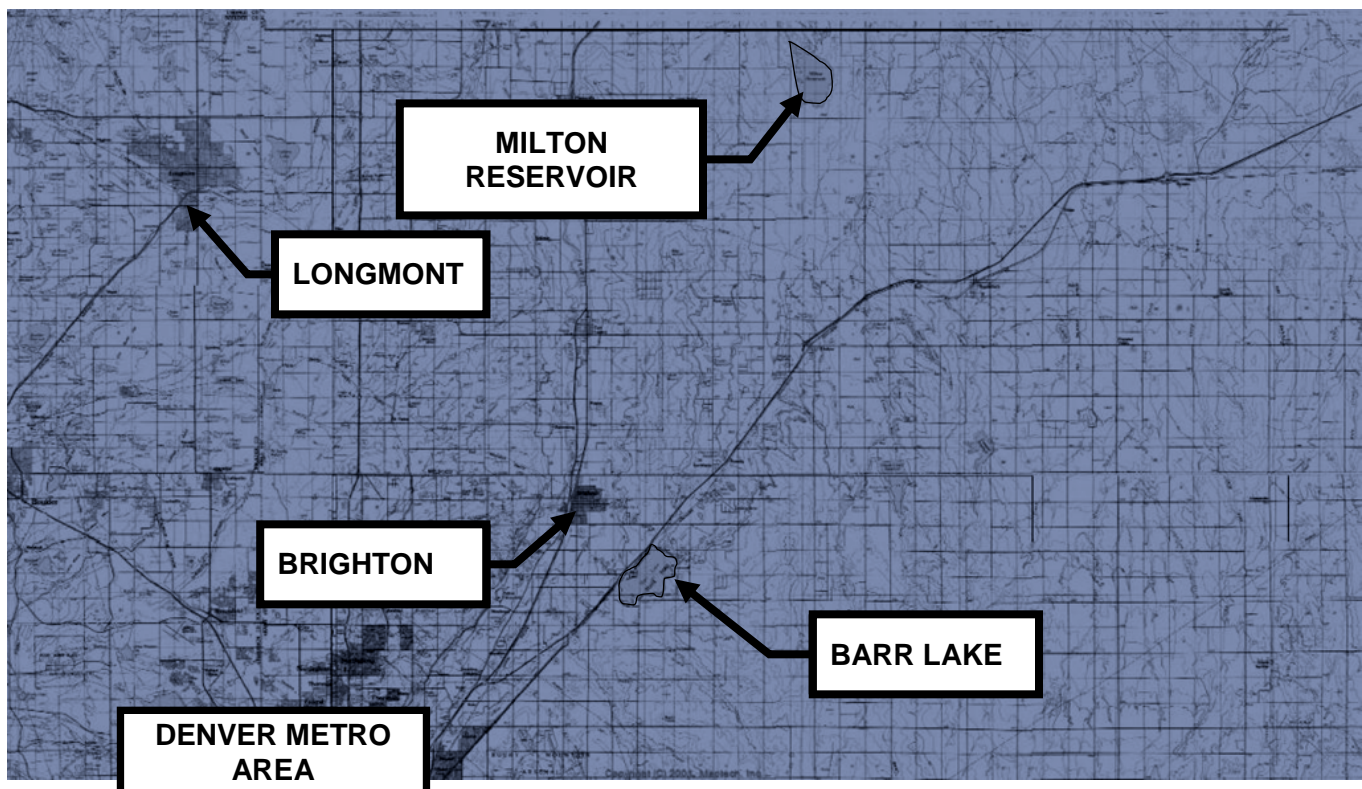
Eckhardt Farms Inc. is located in Weld County near LaSalle, Colorado. The farming Corporation has been incorporated since 1993. It farms 3,000 acres and generates revenues from crops of hay, wheat, corn, sugar beets, onions, and pinto beans. In the past, the Corporation was able to irrigate with well 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 Construction Loan Program
Project Data Sheet**

Borrower: Farmers Reservoir and Irrigation Co.	County: Adams & Weld
Project Name: Milton Reservoir and Barr Lake Improvements	Project Type: Reservoir Spillway and Outlet Works
Drainage Basin: South Platte	Water Source(s): Beebe Seep Canal / Platte Valley Canal / O'Brian Canal
Total Project Cost: \$3,884,000	Funding Sources: Construction Fund
Type of Borrower: Blended Ag & Municipal & Commercial	Average Delivery: 125,000 AF
Loan Amount: \$3,535,000 (Including 1% fee)	Interest Rate: 3.7% Term: 30 years

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, Colorado. The system consists of four major reservoirs (Standley Lake, Marshall Lake, Barr Lake and Milton Reservoir) numerous smaller reservoirs, and approximately 400 miles of diversion and delivery canals. This loan request specifically relates to work to be completed at Milton Reservoir and Barr Lake. The Company intends to complete the following three projects: Milton Reservoir Outlet Works (replacing the upstream outlet gate structure and a portion of the piped outlet works), Milton Spillway (enlarging the existing spillway), and Barr Lake Spillway (enlarging the existing spillway and raising the perimeter dike). These projects have been submitted to the SEO for review. The Company expects to construct these projects between September 2009 and January 2011.



LOCATION MAP

CWCB Water Project Loan Program
Project Data Sheet

Borrower: Farmers' High Line Canal and Reservoir Company

Project Name: System Rehabilitation

Drainage Basin/District: South Platte / 7

Total Project Cost: \$2,430,000

Type of Borrower: Municipal

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

County: Adams/Jefferson

Project Type: Ditch Rehabilitation

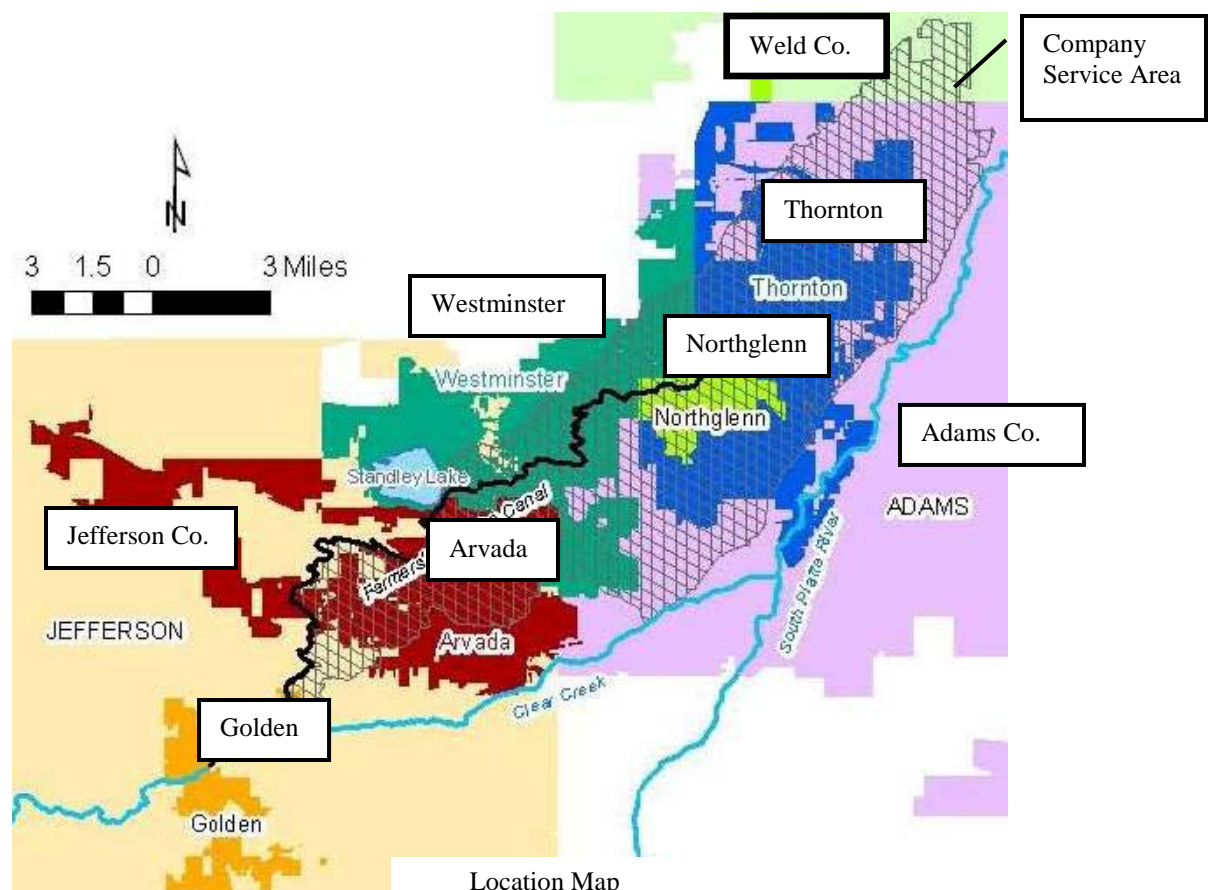
Water Source: Clear Creek

Funding Source: Construction Fund

Water Delivery: 24,000 AF/yr

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)

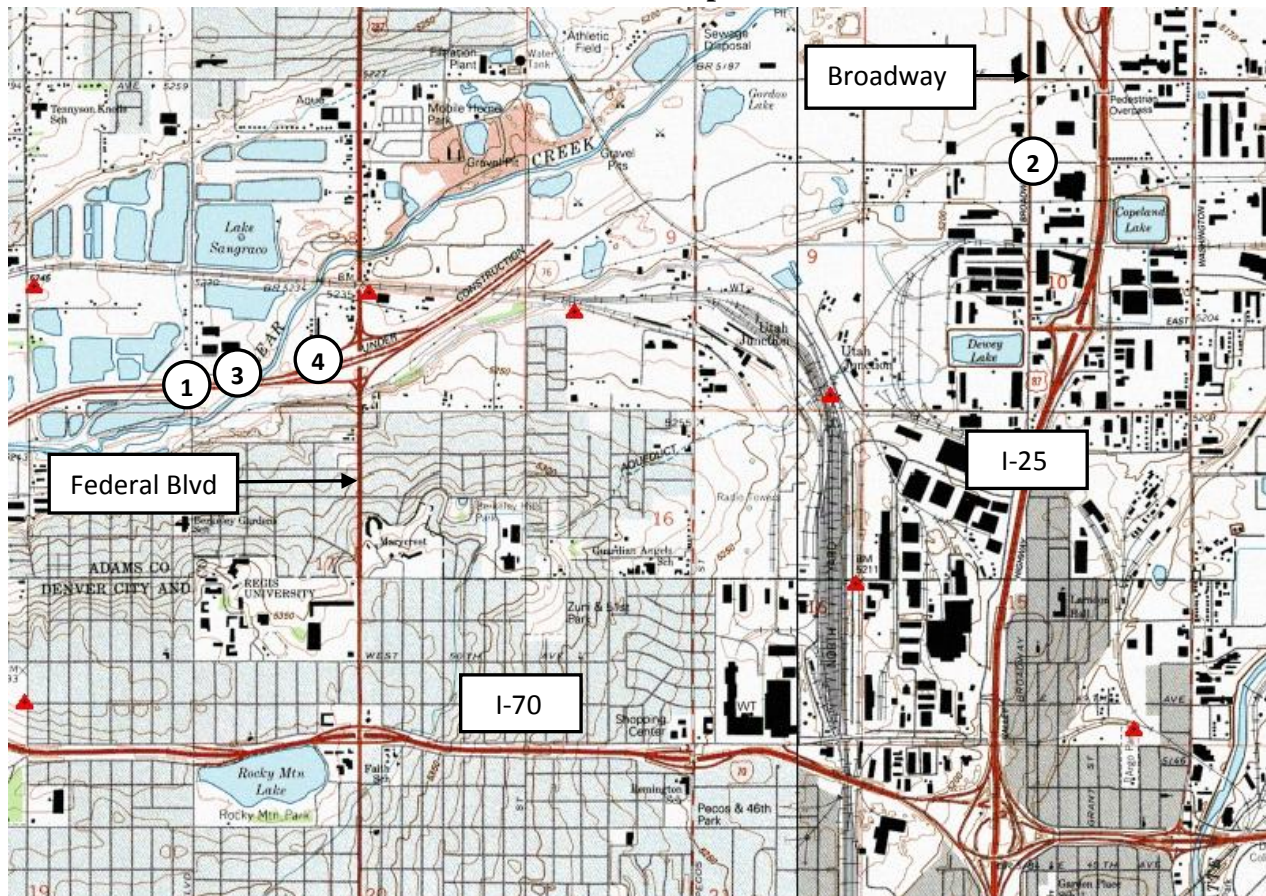
Avg. Annual Diversion: 7,623 AF

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.

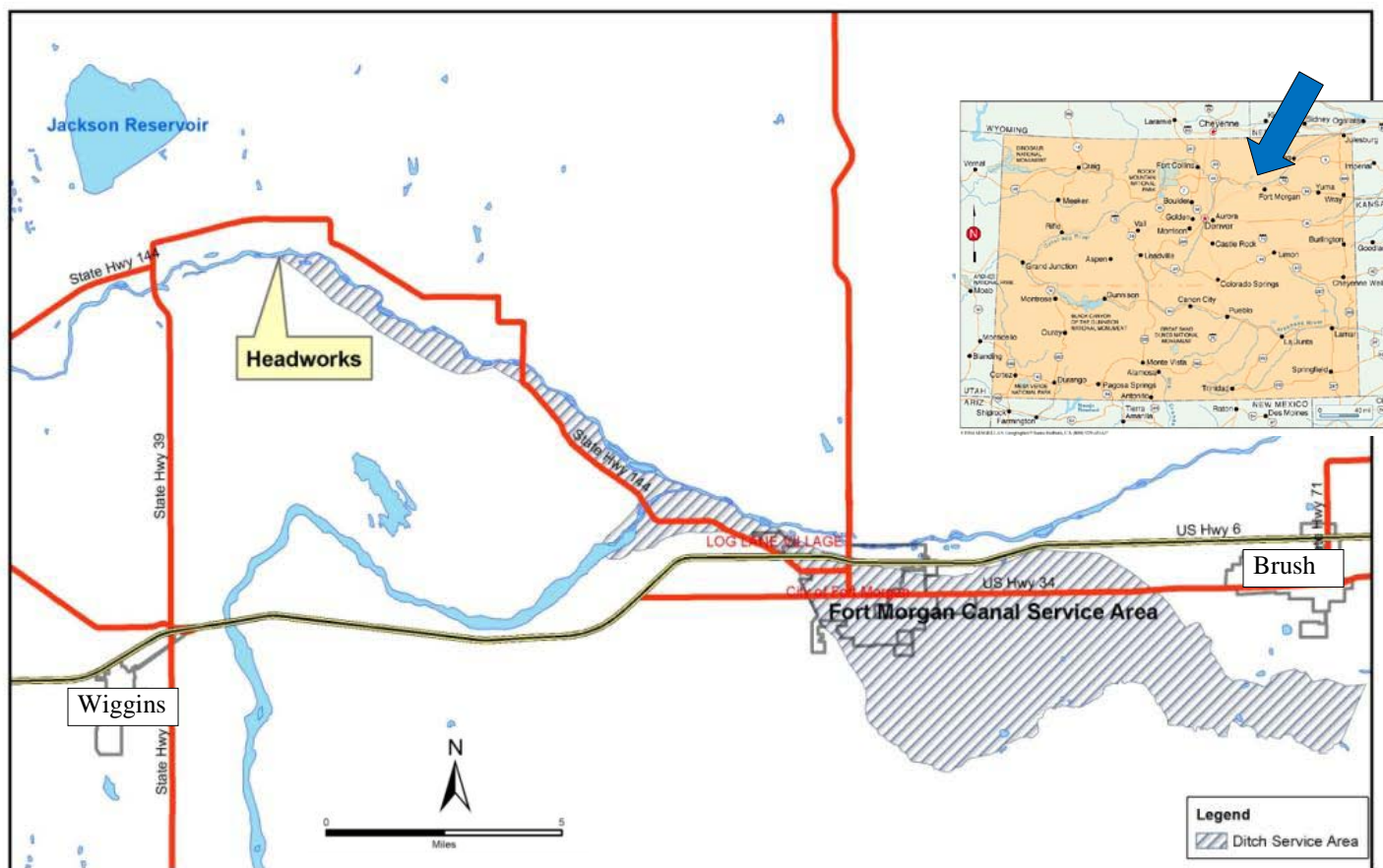
Location Map



CWCB Construction Loan Program Project Data Sheet

Borrower: Fort Morgan Res. & Irrigation Co.	County: Morgan
Project Name: River Diversion Rehabilitation	Project Type: River Diversion
Drainage Basin: South Platte / District: 1	Water Source(s): South Platte River
Total Project Cost: \$1,440,000	Funding Sources: Construction Fund
Type of Borrower: Blended (Ag & Municipal & Commercial)	Average Diversions: 74,890 AF
Loan Amount: \$1,308,960 (Including 1% fee)	Interest Rate: 1.85% Term: 30 years

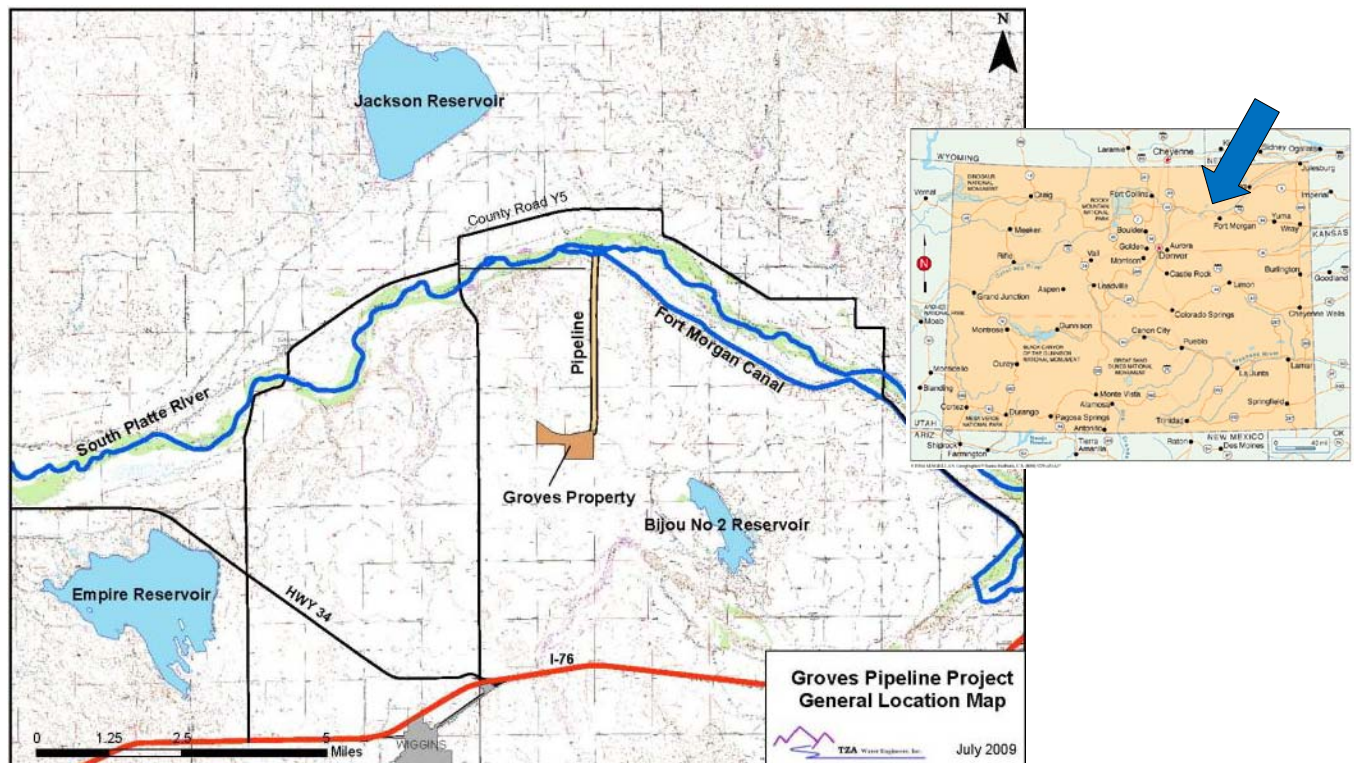
The Company operates a ditch system that delivers surface water to approximately 15,000 acres of irrigated land between Weldona and Brush, and operates a recharge and augmentation plan that provides augmentation water for approximately 90 irrigation wells. Through this loan, the Company plans on repairing its river diversion structure to ensure that it can continue to divert water from the South Platte River. Both the river diversion structure and ditch intake structure will be upgraded with bladder gates. This will allow the Company to more efficiently operate its system and reduce sand build up. Construction is expected to begin in November of 2012 with completion estimated in early 2013.



CWCB Construction Loan Program
Project Data Sheet

Borrower: Fort Morgan Res. & Irrigation Co.	County: Morgan
Project Name: Pipeline Project	Project Type: Augmentation/Pipeline Const.
Drainage Basin: South Platte	Water Source(s): South Platte River
Total Project Cost: \$2,388,500	Funding Sources: Construction Fund
Type of Borrower: Blended (Ag & Municipal & Commercial)	Average Diversions: 37,058 AF
Loan Amount: 1,494,800 (Including 1% fee)	Interest Rate: 2.9% Term: 30 years

The Company operates a ditch system that serves surface water to approximately 15,000 acres of irrigated land between Weldona and Brush, and operates a recharge and augmentation plan that provides augmentation water for approximately 90 irrigation wells. In addition, the Company has an operational agreement with Groves Farms, LLC, which is a family farming corporation also located in Morgan County, for a recharge/augmentation plan. The Company, with Groves Farms, has designed a plan to re-divert and re-time augmentation credits from the Company's more senior recharge projects at certain times when they are not needed for direct augmentation use, and to divert water under new junior water rights when available for recharge and augmentation use. The Project involves installing one 24" pipe from the River extending three miles to recharge ponds on Groves Farms' land; installing two pumps to pump water from the River through the pipeline; installing one augmentation well and pumping equipment near Groves' ponds to pump ground water back to the South Platte River; and installing seven recharge/augmentation ponds (with a surface area of approximately 95 acres) on Groves Farms' land. The Project will be completed within 12-18 months after loan approval.



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

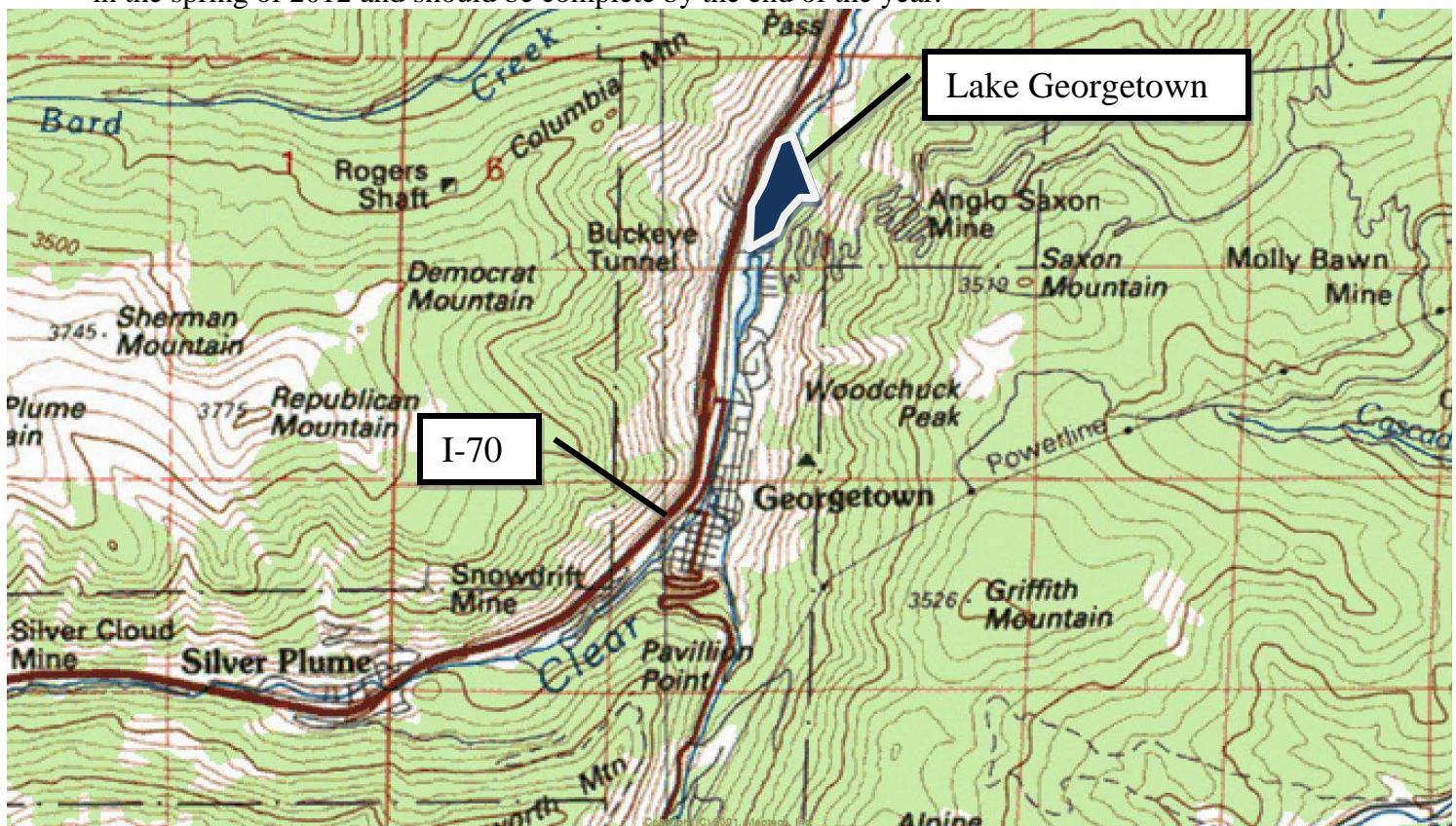
Type of Borrower: Middle-Income Municipal

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.

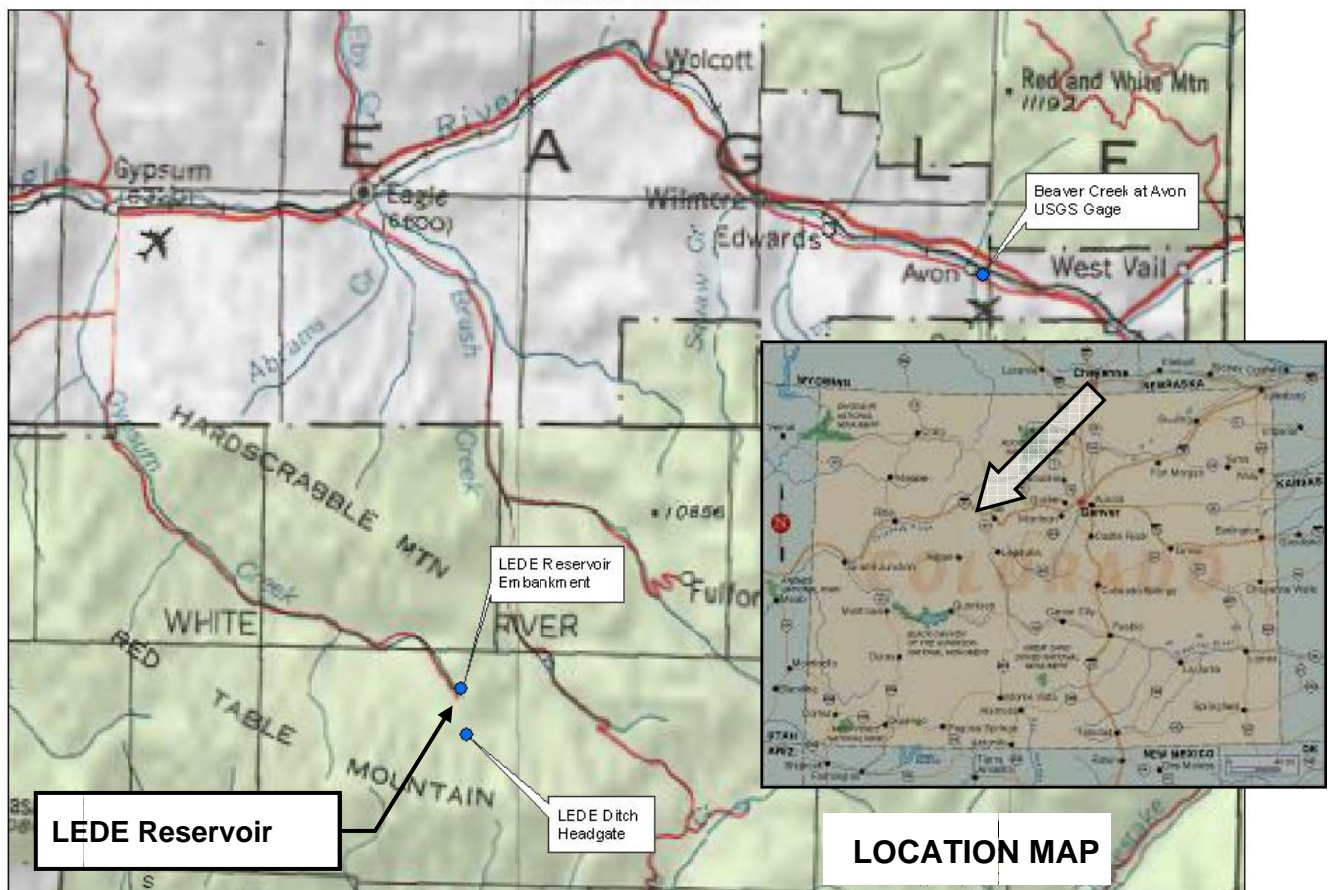


CWCB Construction Loan Program Project Data Sheet

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.

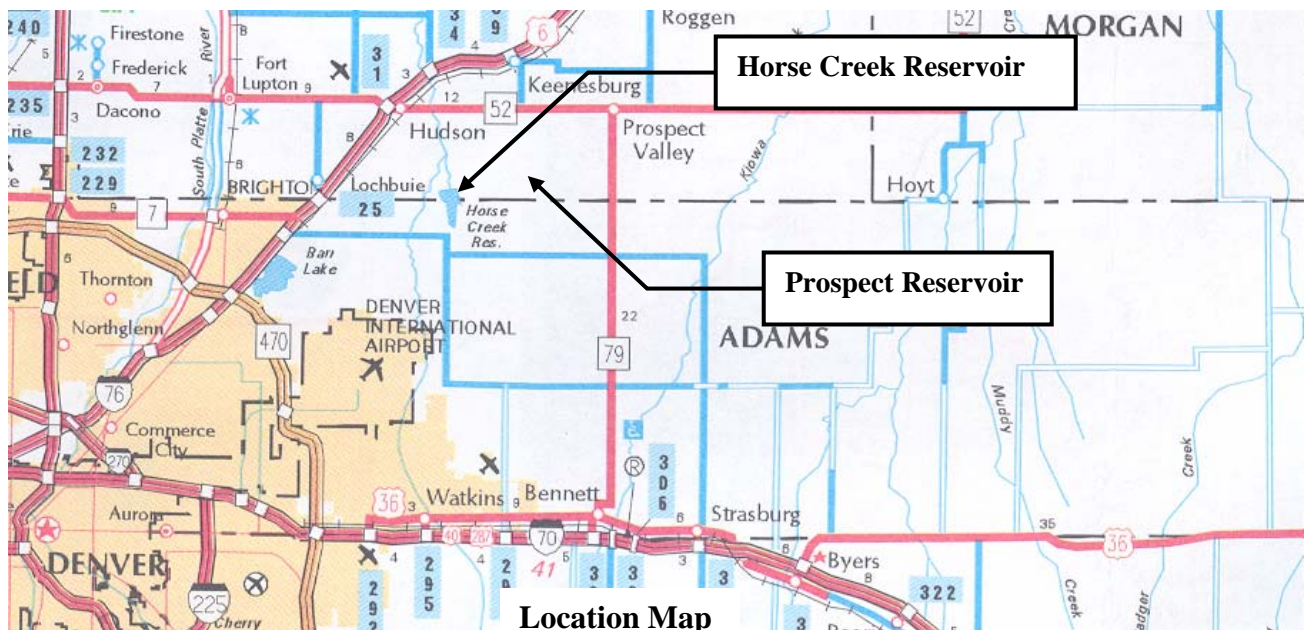
General Locations



Water Project Construction Loan Program - Project Data

Borrower: Henrylyn Irrigation District	County: Weld
Project Name: Horse Creek & Prospect Reservoirs	Project Type: Reservoir Rehabilitation
Drainage Basin: South Platte	Water Source: Denver- Hudson Canal
Total Project Cost: \$2,403,000	Funding Sources: CWCB, HID
Type of Borrower: Agricultural	Aver. Delivery: 13,850 acre-feet
CWCB Construction Fund Loan: \$2,184,327 (incl. 1% loan fee)	Interest Rate: 2.25% Term: 30 years

The HID was formed in 1907 Irrigation District Law of 1905, and consists of 32,745 acres of irrigated farm land in Weld County. The service area starts about 2 miles west of Hudson and extends generally east and south along I-76, to about 9 miles east of Keenesburg. The HID diverts water through the Burlington Canal Headworks on the South Platte River, extending 16 miles to and past Barr Lake. From Barr Lake the Denver-Hudson Canal continues 25 miles to Horse Creek Reservoir, and then continues another 25 miles to Prospect Reservoir. Annual HID delivery is 19,175 AF. Horse Creek Reservoir was constructed in 1910, and is a High Hazard, Class 1 earth fill dam, with a dam height of 64 feet, a length of 4800 lineal feet, and a crest width of 16 feet. There is a 200 foot wide earth-lined spillway. The decreed storage right is 19,515 AF, but normal storage is 18,747 acre feet. The outlet works consist of 3 x 48" diameter steel conduits. The proposed project will provide a lining for the outlet works, install additional toe drainage, and resurface and re-grade the dam crest. Prospect Reservoir was constructed in 1914, and is a Significant Hazard, Class 2 earth dam, with a dam height of 43.5 feet, a length of 5,301 lineal feet, and a crest width of 20 feet. There is a 250 wide concrete and riprap spillway. The decreed storage right if for 7,660 AF, but the normal storage is 6,368 acre feet. The outlet works consist of a 48" concrete pipe that narrows to about 30" downstream of the control gate, due to previous re-lining projects. The reservoir is currently restricted to 1.5 feet below the historic maximum stage, due to concerns about the stability of the downstream slope of the dam. The proposed project will provide a lining for the outlet works, and resurface and re-grade the dam crest.



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

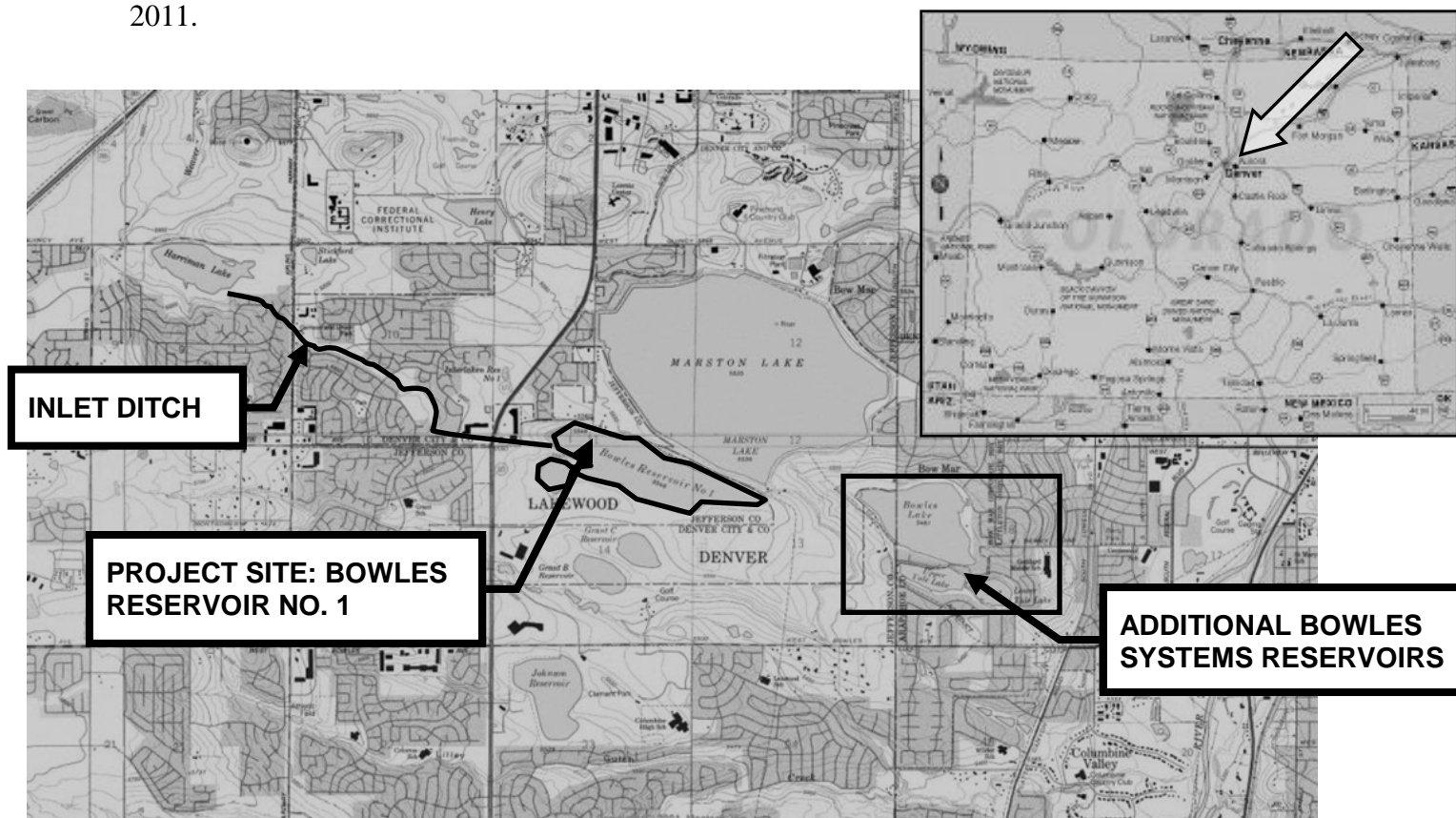
Average Delivery: 900 AF

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

Interest Rate: 4.65%

Term: 30 years

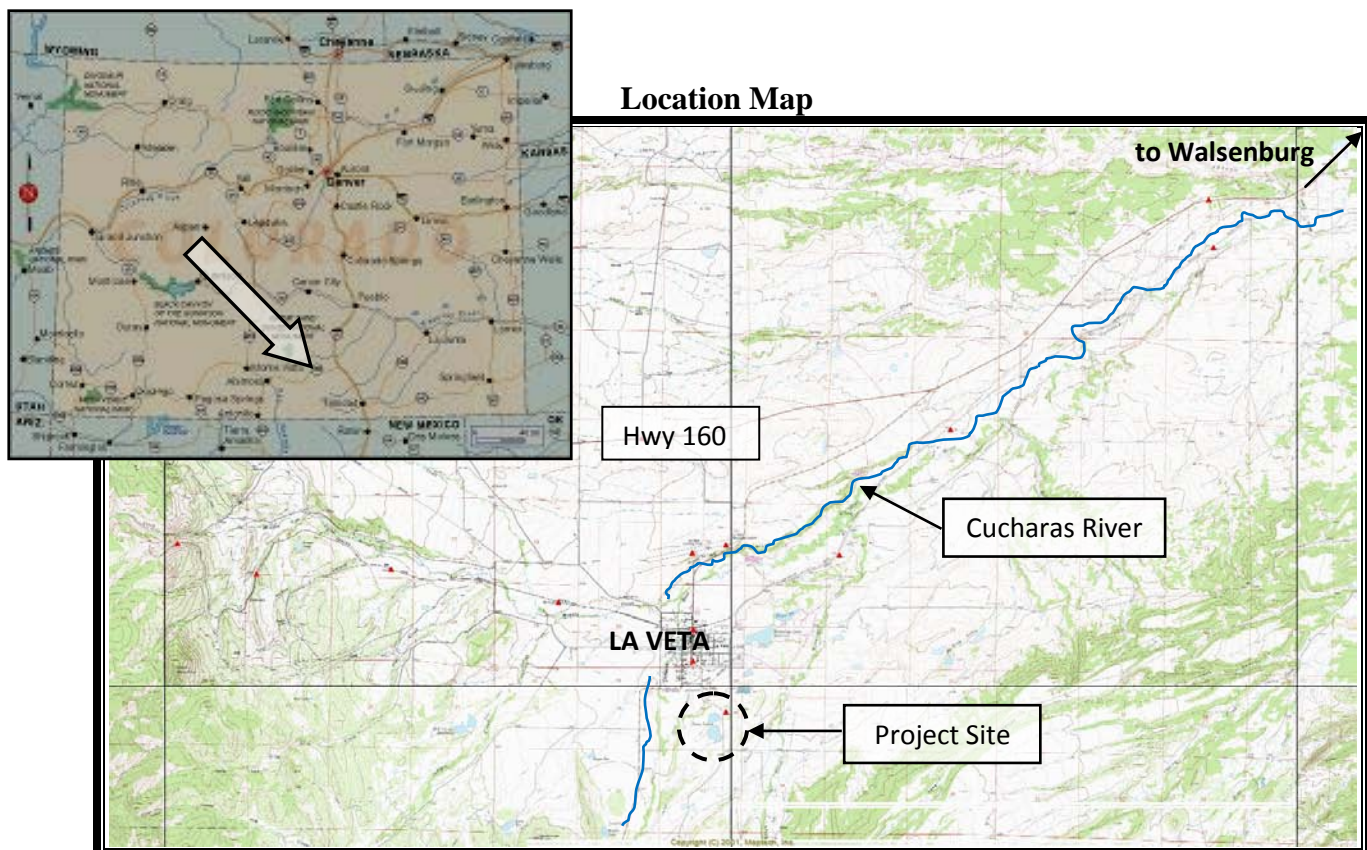
The Joseph W. Bowles Reservoir Company (Company) owns and operates Bowles No. 1 Reservoir, located in the southwest metropolitan area of Denver. The Company was formed in 1906 and currently has 50 shareholders who use the water for golf courses, parks, open space, and some individual ranches for irrigation 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

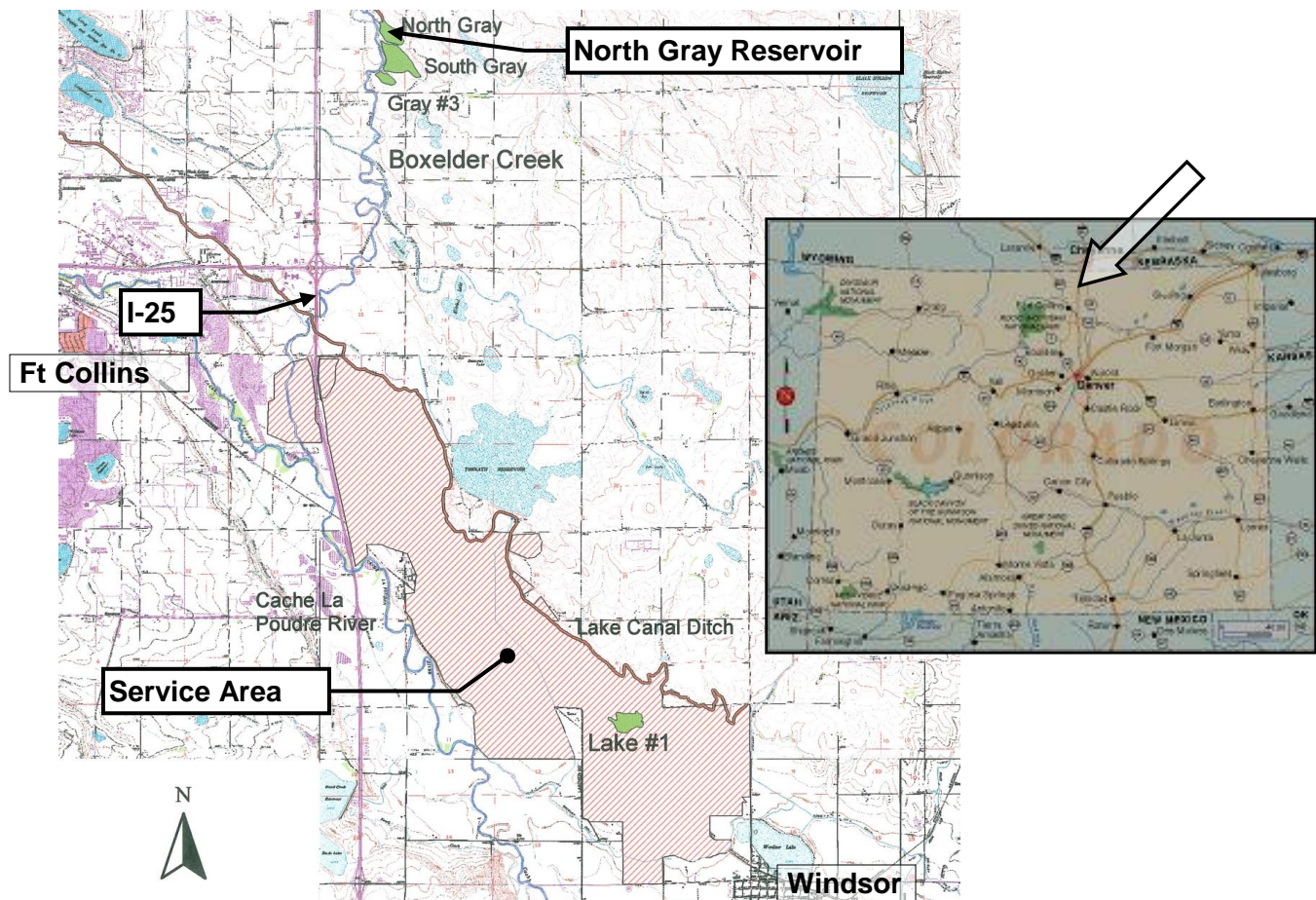
Details: 333 AF Stored
75 AF Recovered

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

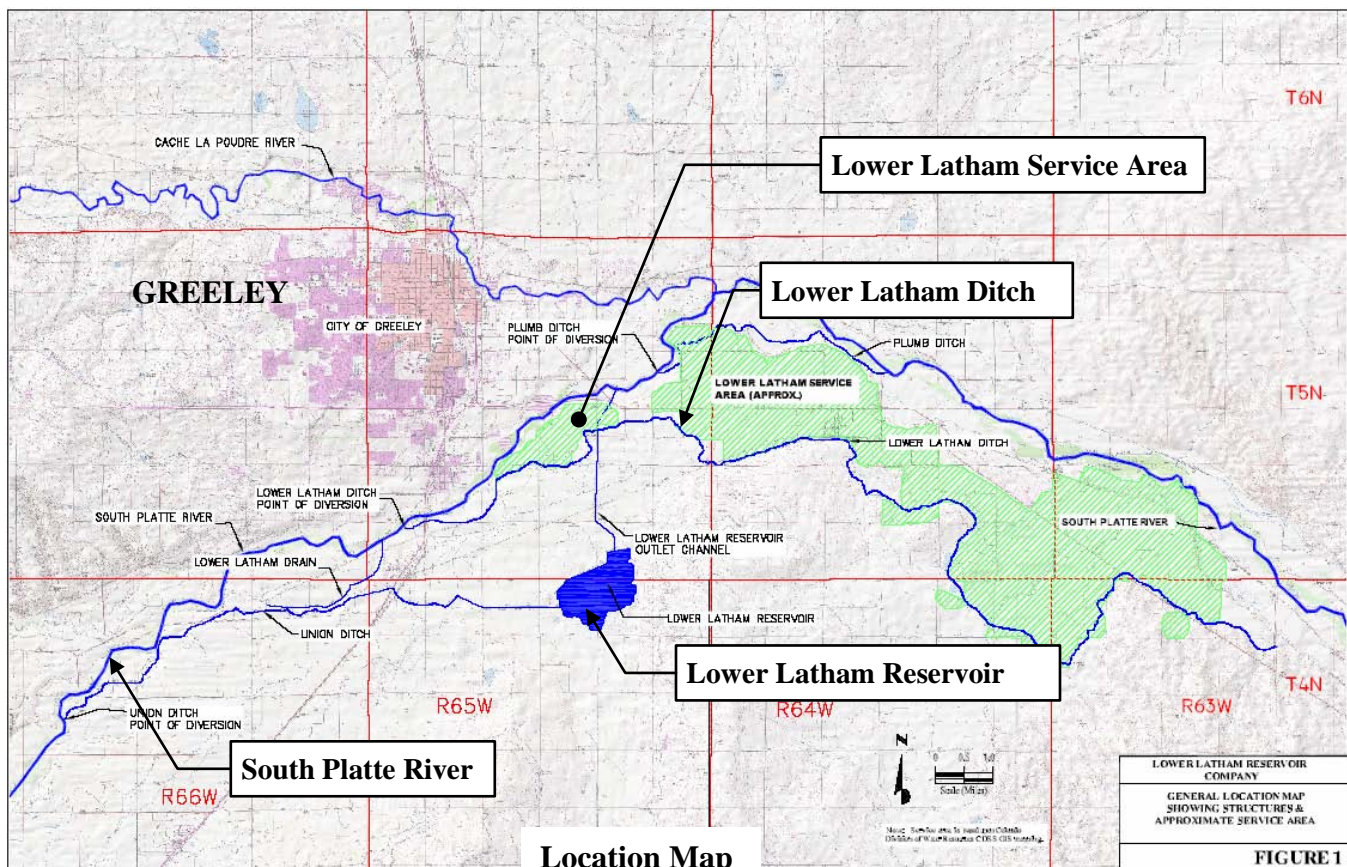
Drainage Basin: South Platte **Water Source:** South Platte River

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

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

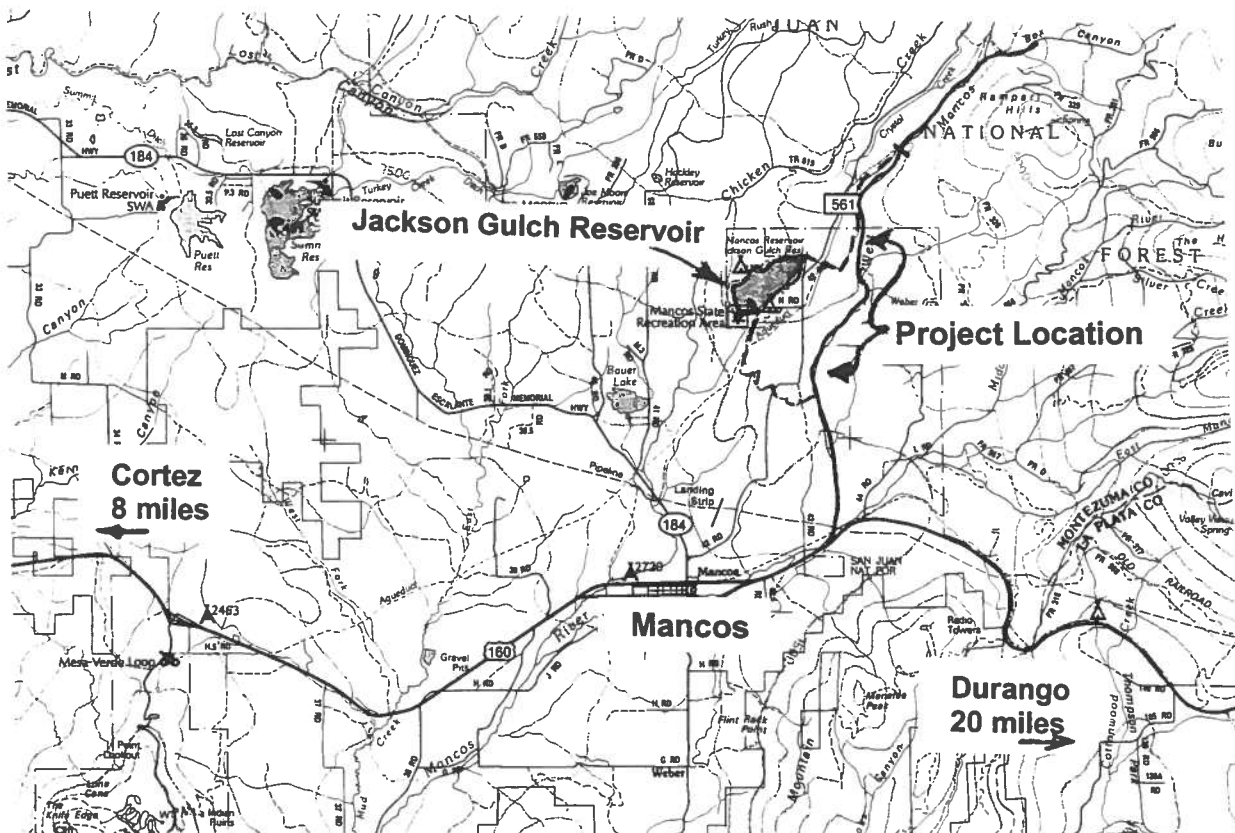
CWCB Loan: \$3,811,573 (incl. 1% loan fee) **Interest Rate:** 2.75% **Term:** 30 years

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)

Project Name: Augmentation Water Rights
Acquisition

Drainage Basin: Rio Grande

Total Project Cost: \$1,863,500

Type of Borrower: Low-Income Municipal

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

County: Rio Grande

Project Type: Water Rights Purchase

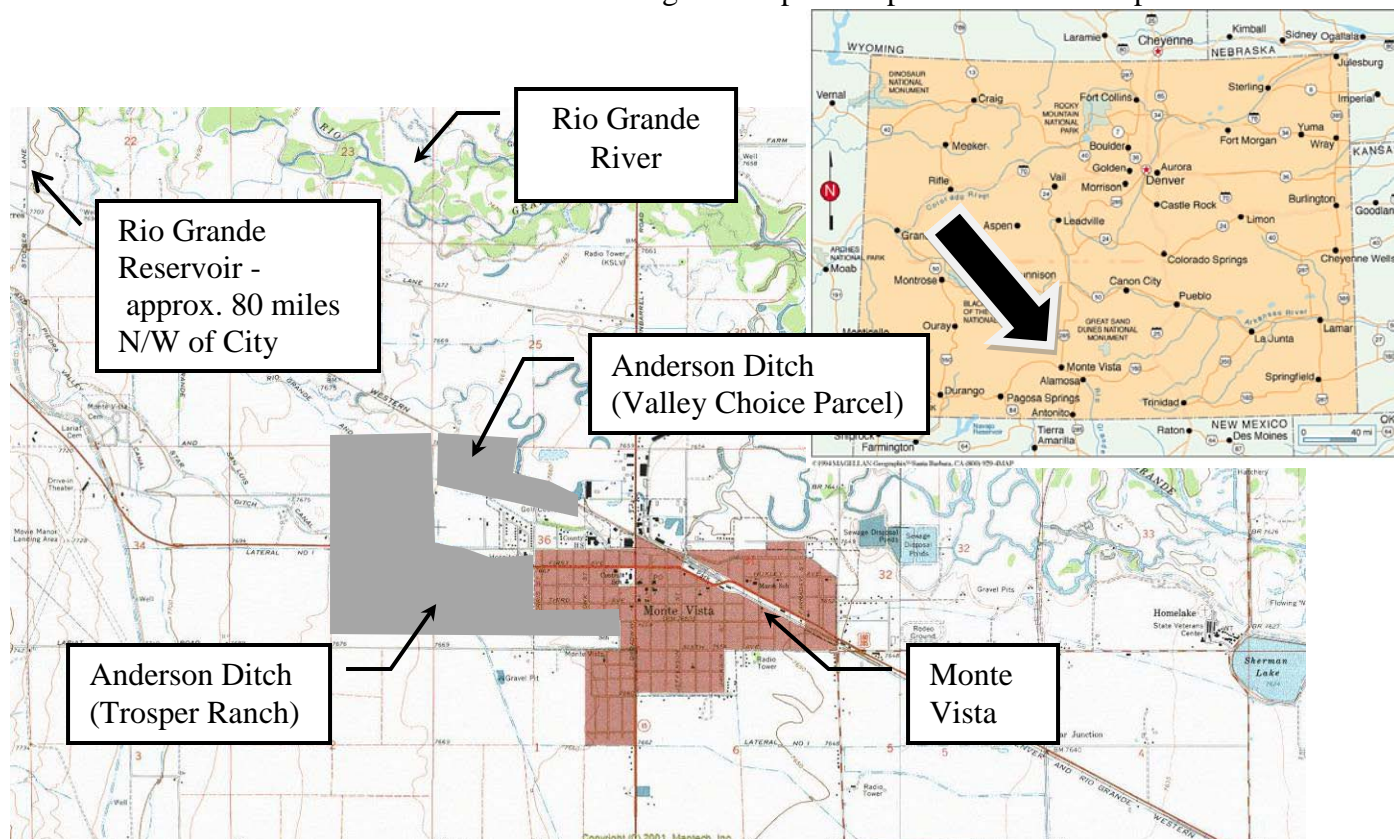
Water Source: Rio Grande River

Funding Source: Construction Fund

Aver. Demand: 1,212 AF/year

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.

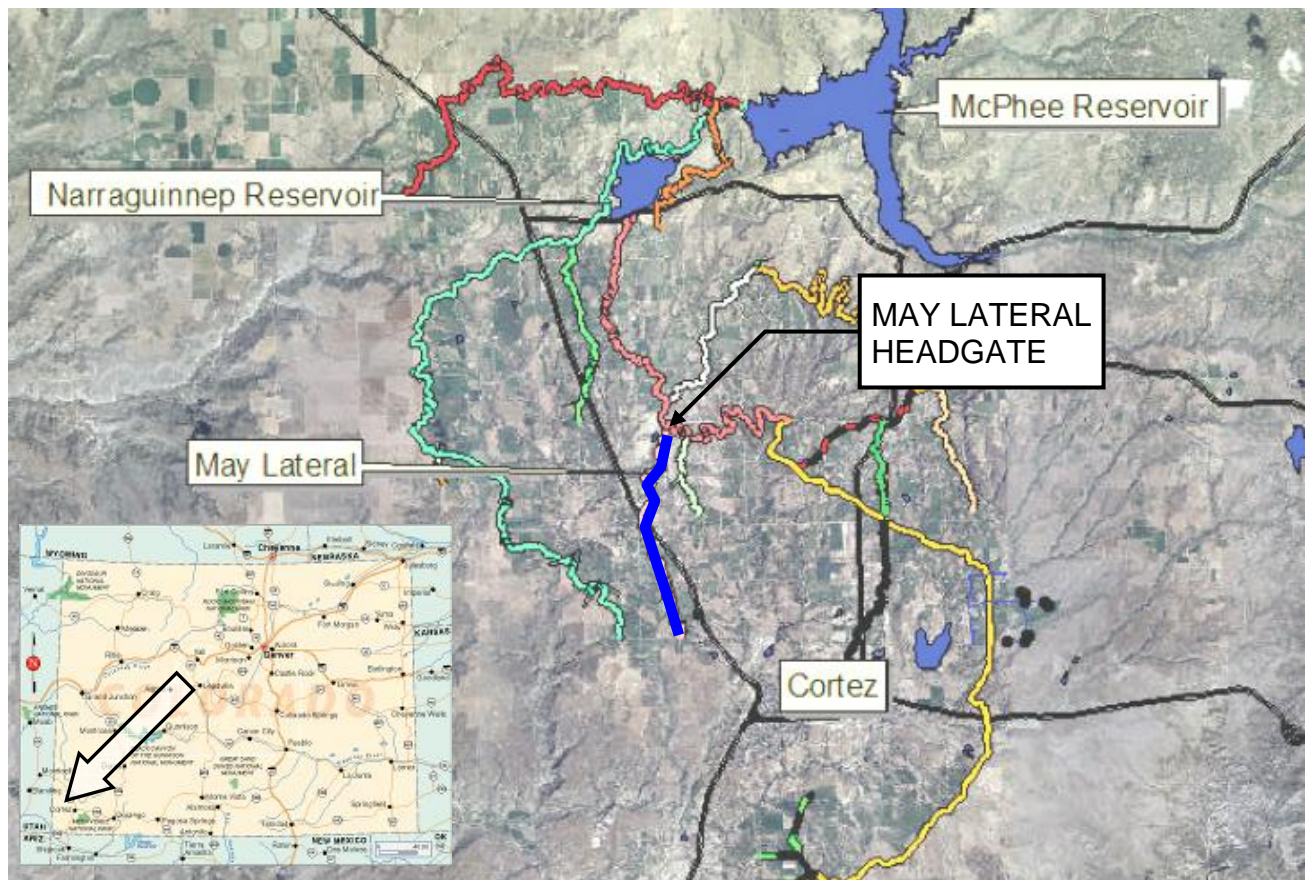


Location Map

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.

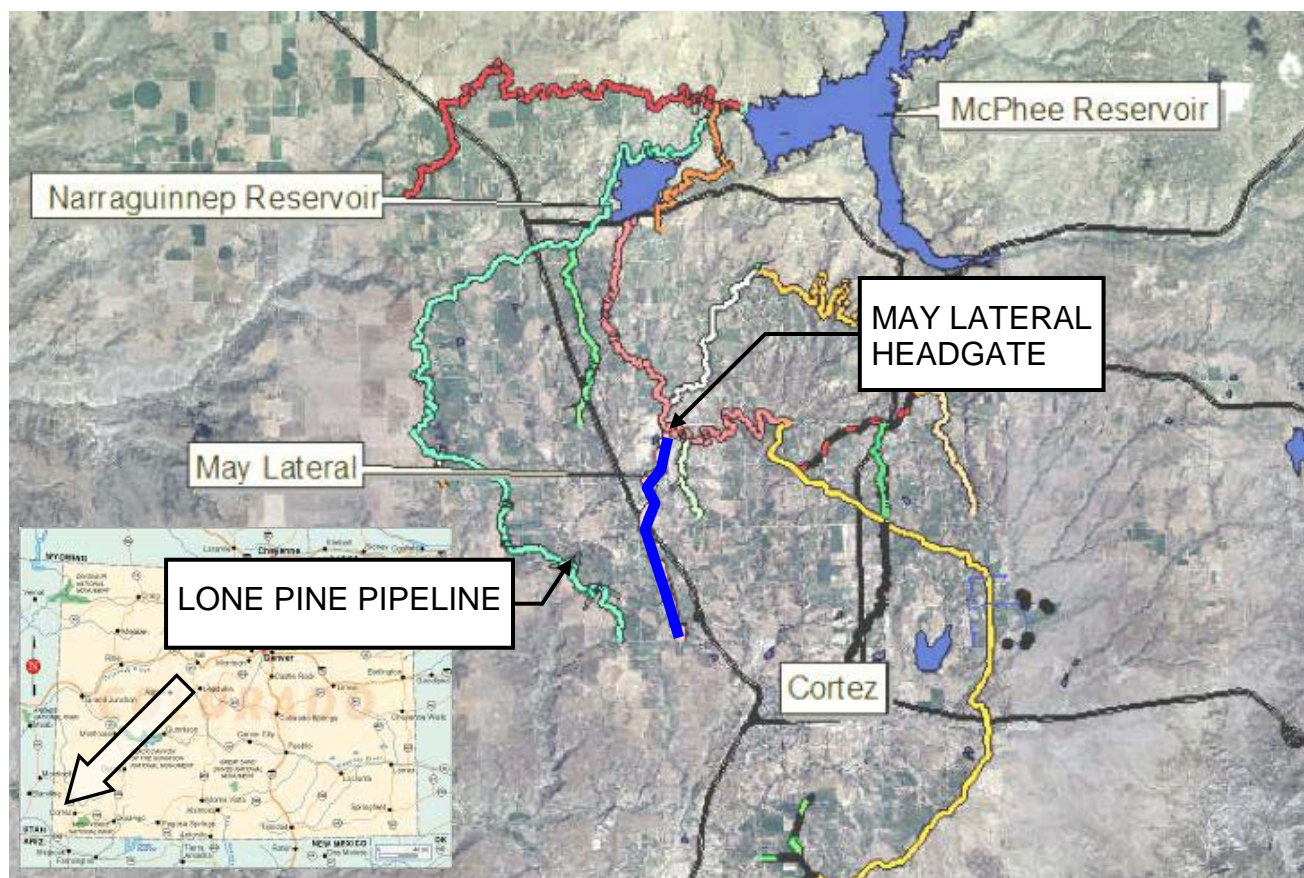


LOCATION MAP

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.

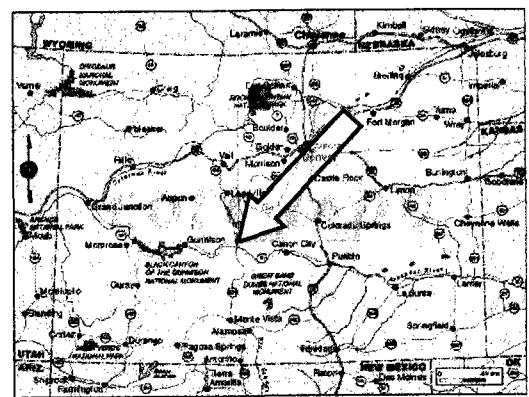
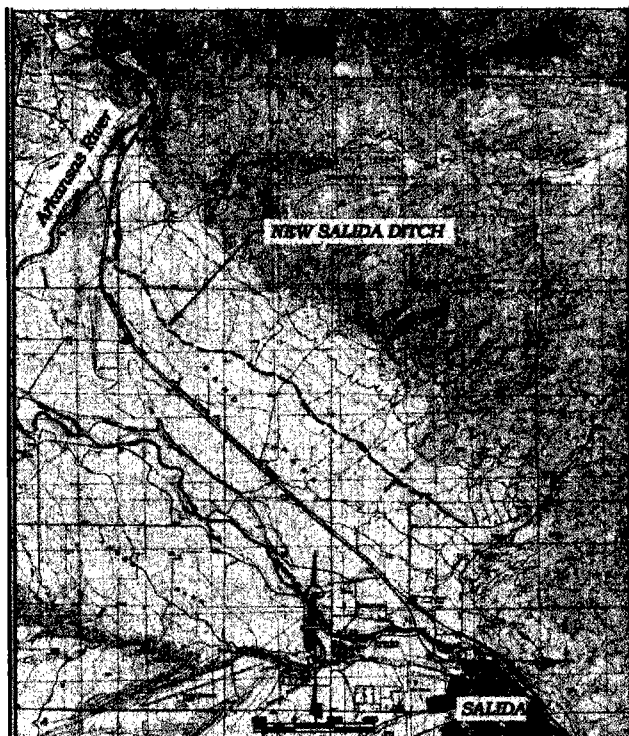


LOCATION MAP

**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.

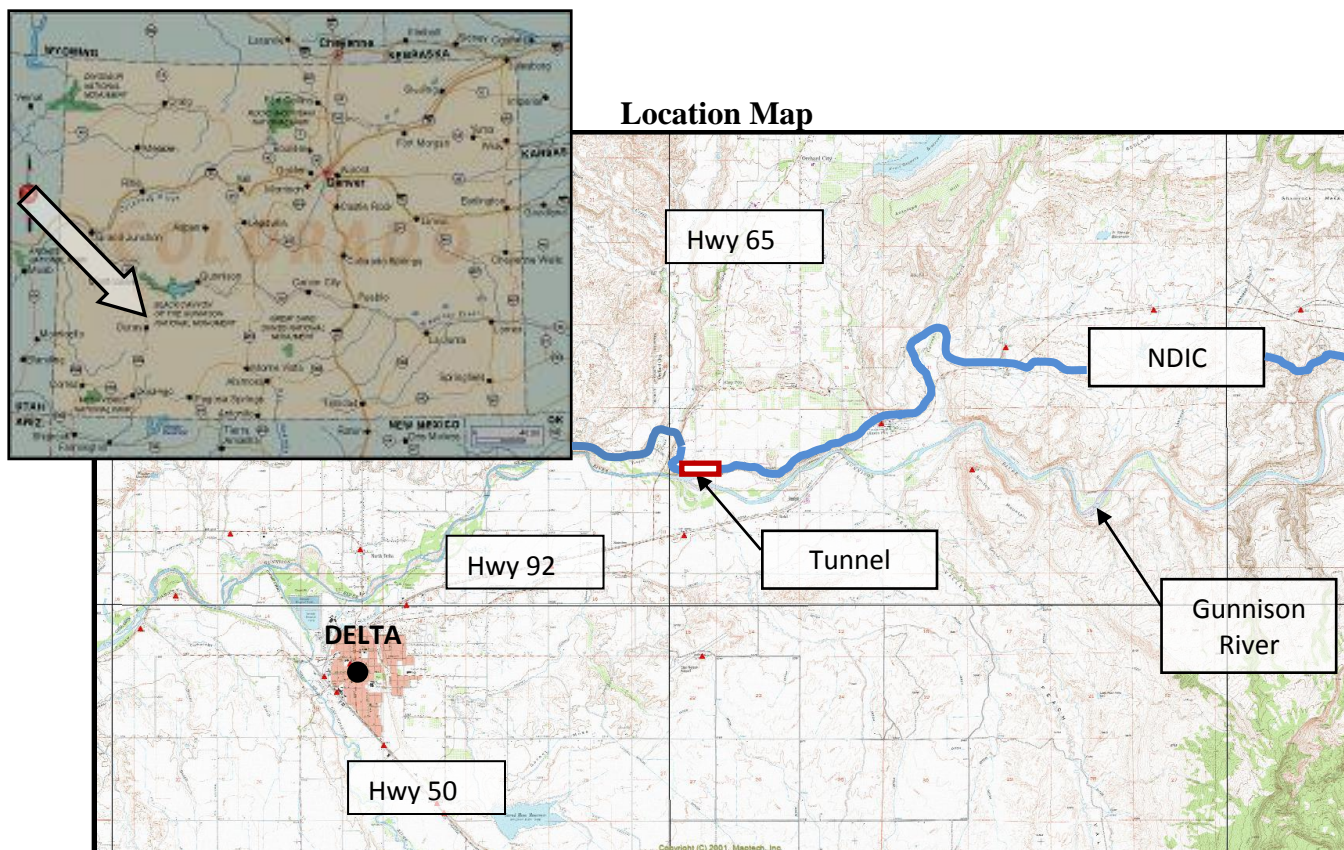


Location Map

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

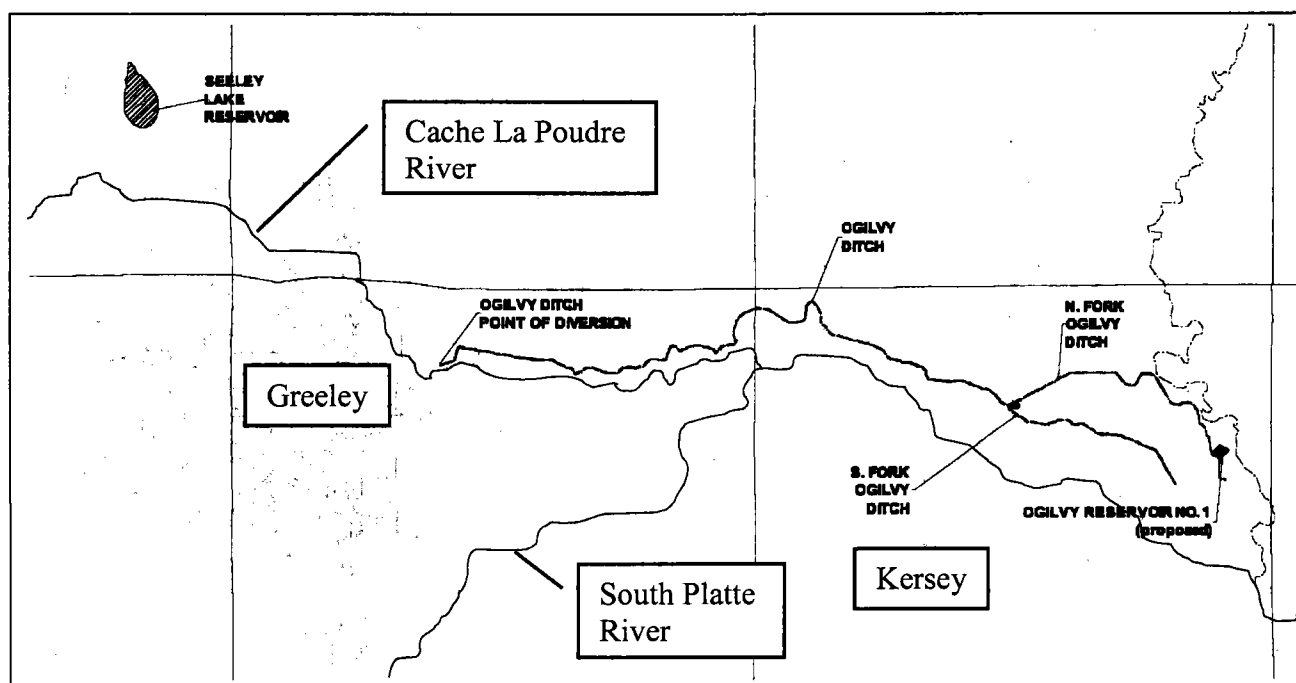
The North Delta Irrigation Company is responsible for supplying water to its 174 shareholders for the irrigation of 2,300 acres of land. The water is delivered through the North Delta Irrigation Canal. A two-mile stretch of the twenty-three mile canal is located along the steep hillside paralleling the 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: Ogilvy Augmentation Company**County:** Weld**Project Name:** Well Augmentation Project**Project Type:** Well Augmentation**Drainage Basin:** South Platte**Water Source:** Cache La Poudre**Total Project Cost:** \$1,112,000**Funding Sources:** CWCB, Company**Type of Borrower:** Agricultural**Average Delivery:** 60 acre-feet**CWCB Loan:** \$1,010,808 (Including 1% fee)**Interest Rate:** 2.5% **Term:** 30 years

The Ogilvy Augmentation Company (Augmentation Company) was established in 2005 to augment wells that operate under the Ogilvy Irrigating and Land Company service area. Approximately 1,400 acres of land are irrigated by the Augmentation Company members in an area north of Kersey, Colorado. There are 17 wells in the Augmentation Company that operate under its temporary substitute water supply plan (SWSP). The SWSP is currently operated using leased water. A permanent water supply is necessary for the Augmentation Company to obtain a permanent augmentation plan. Funds are being requested from the CWCB to: purchase water rights, construct a recharge facility, construct a storage reservoir, and install monitoring devices. The Augmentation Company intends to purchase the water rights upon the approval of the CWCB funding and construct the recharge facility in fall/winter of 2008. It will file for its permanent augmentation plan in early 2009. Once the permanent augmentation plan is approved, construction will begin on the storage reservoir.

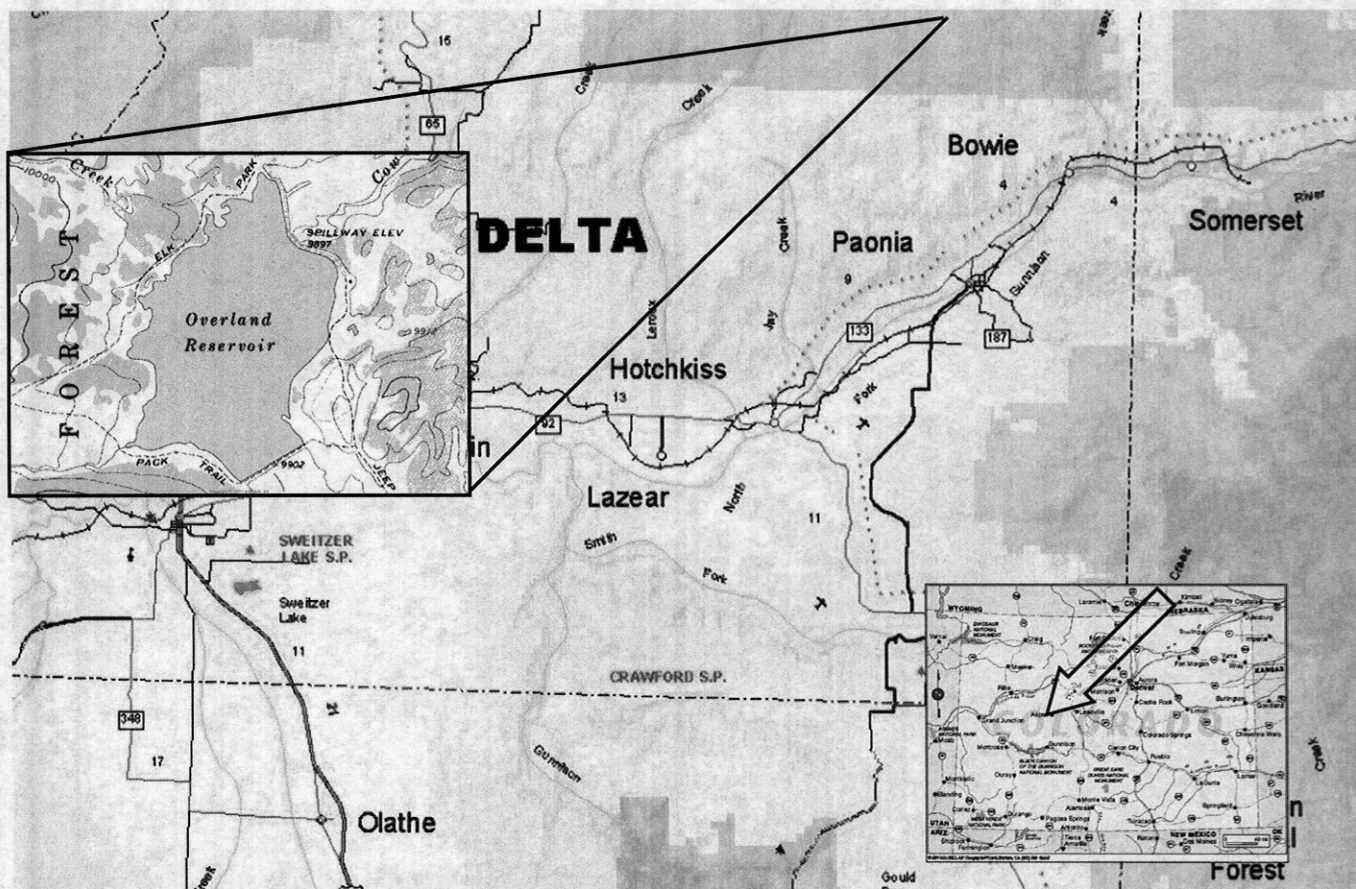


Location Map

CWCB Construction Loan Program Project Data Sheet

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

Owl Creek Reservoir Company
November 20, 2001

Agenda Item 22E

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

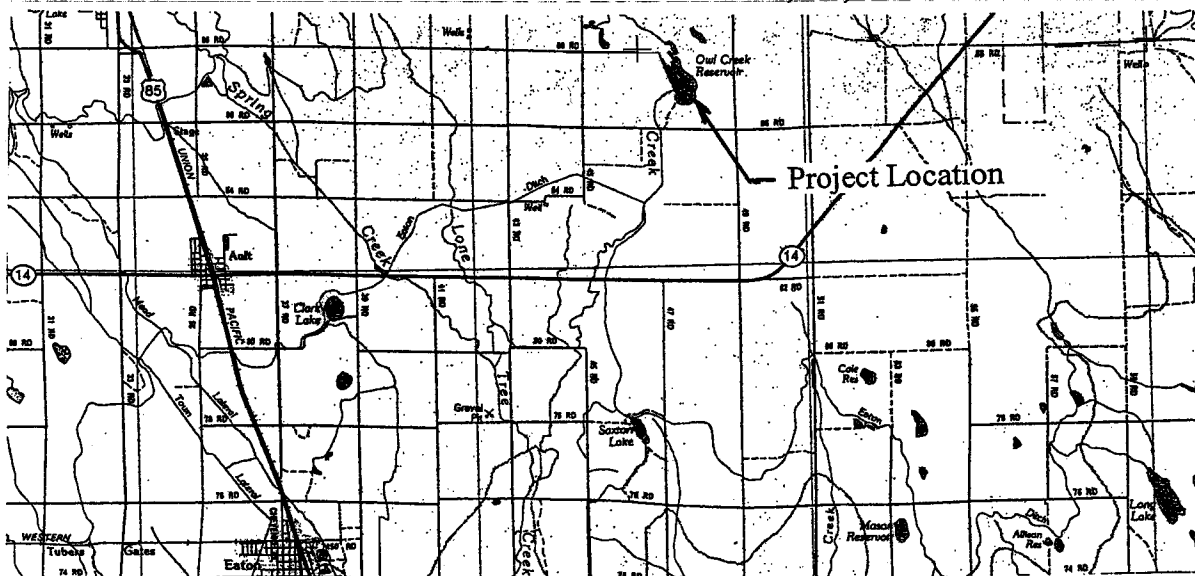
Total Project Cost: \$1,250,000 **Funding Source:** CWCB

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

CWCB Water Project Loan Program Project Data Sheet

Borrower: Parkville Water District

County: Lake

Project Name: Canterbury Tunnel Repair

Project Type: Rehabilitation

Drainage Basin: Colorado River

Water Source: East Fork Arkansas

Total Project Cost: \$2,520,000

Funding Sources: Construction Fund

Type of Borrower: Low Income - Municipal

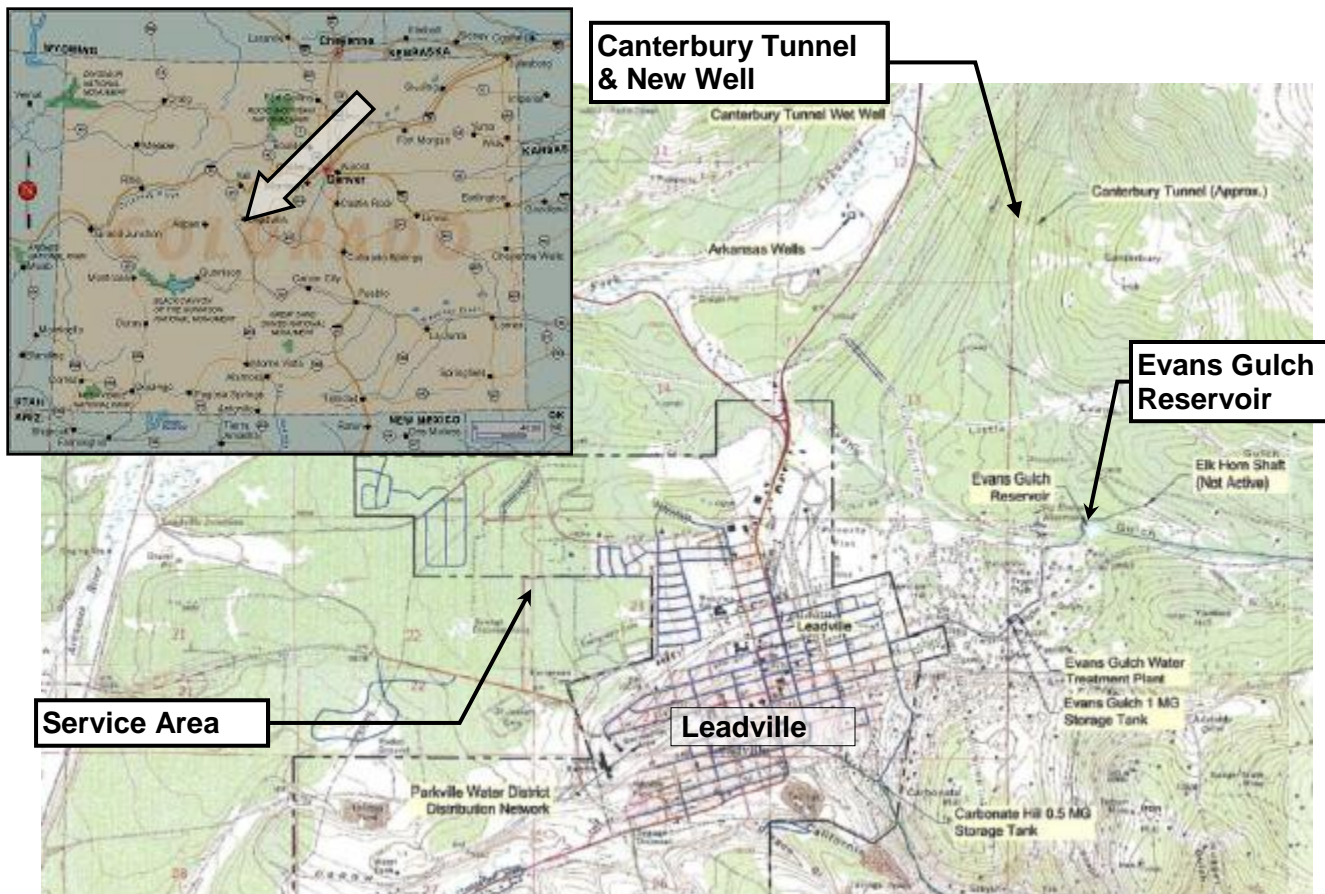
Project Diversions: 1,086 AF

Loan Amount: \$1,838,200 (Including 1% fee)

Interest Rate: 4.0%

Term: 30 years

The Parkville Water District provides municipal water for the Town of Leadville and surrounding areas. The District provides service to about 2300 taps. The Canterbury Tunnel has been a critical water supply source to the District for over 45 years. The Tunnel originally served as mine drainage; however, because it was of such good quality and reliability the District added it to its water supply system. About 15 years ago, the flow of water was significantly reduced due to a collapse in the tunnel. The District proposes to drill a new well to access the functioning part of the tunnel and pump the water to the District's distribution system. The Project design is nearly complete and construction is projected for the fall/winter 2010.



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

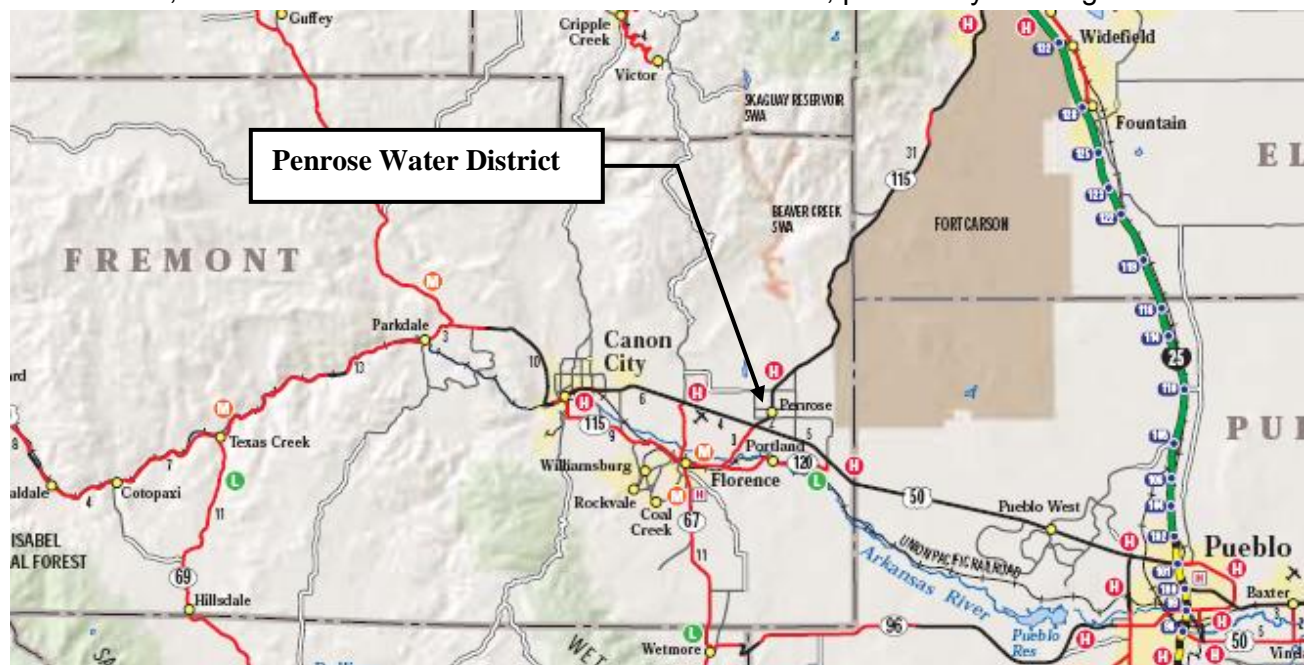
Type of Borrower: Municipal/Low

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 10/12th 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)

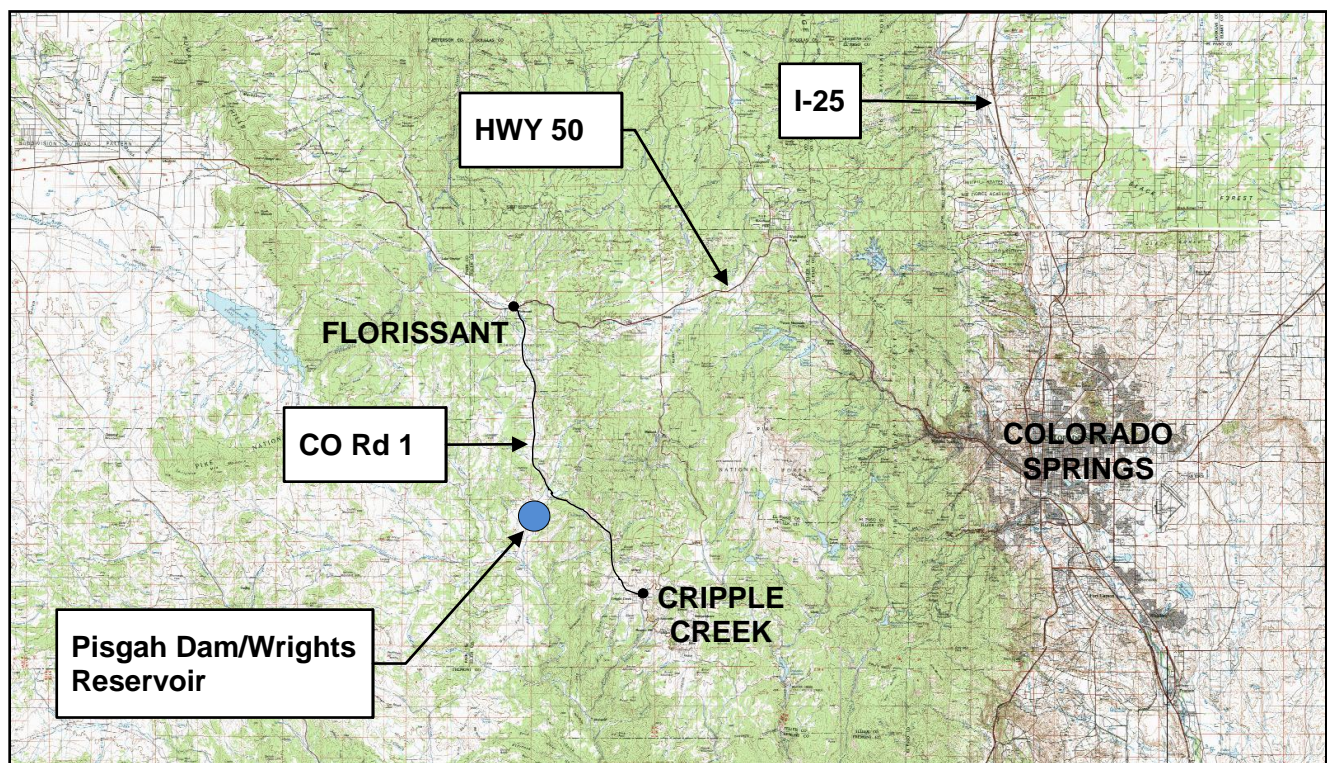
Average Water Delivery: 86,000 AF

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.

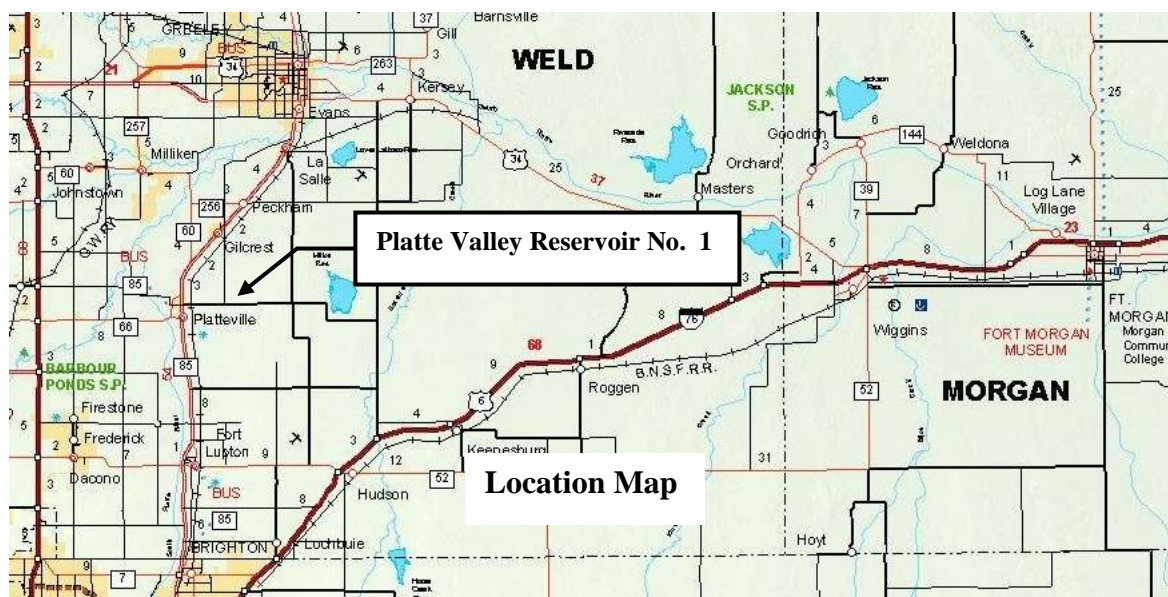
LOCATION MAP



Water Project Construction Loan Program - Project Data

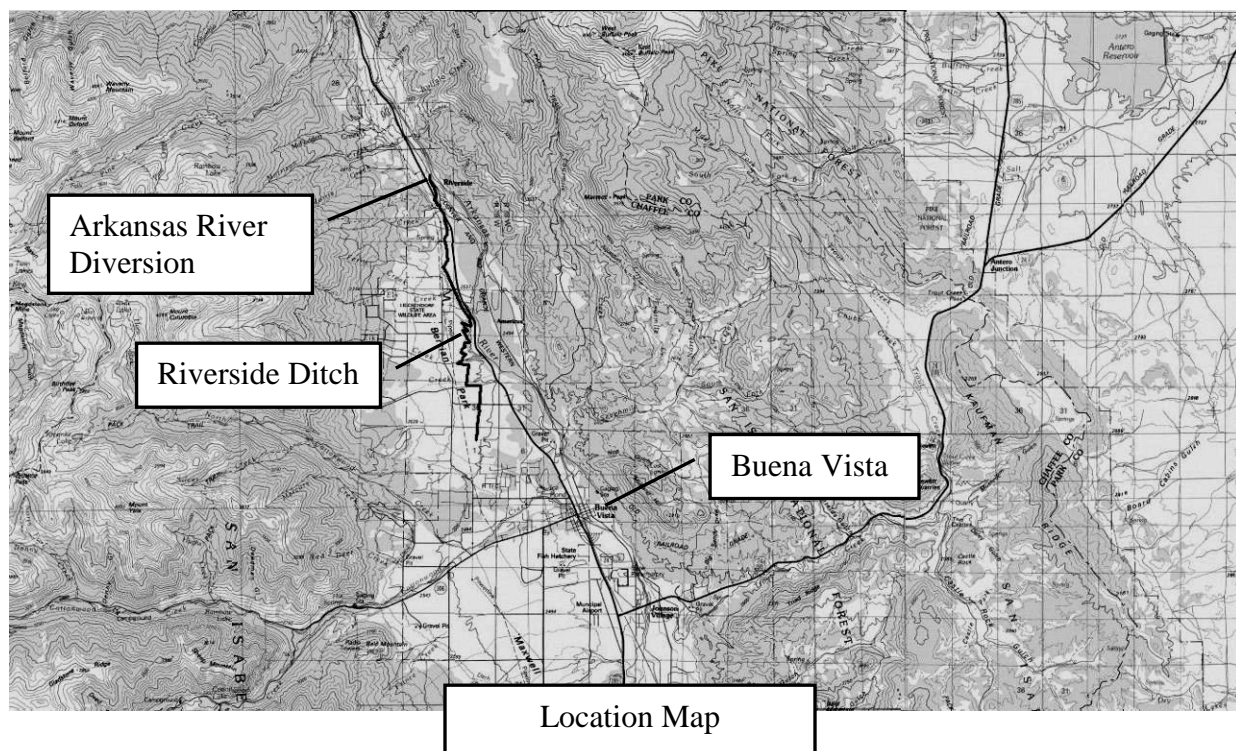
Borrower: Platte Valley Irrigation Company	County: Weld
Project Name: Platte Valley Reservoir No. 1	Project Type: New Equalizer Reservoir
Drainage Basin: South Platte	Water Source: Evans Ditch No. 2
Total Project Cost: \$2,628,600	Funding Sources: CWCB, PVIC
Type of Borrower: Agricultural	Aver. Delivery: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

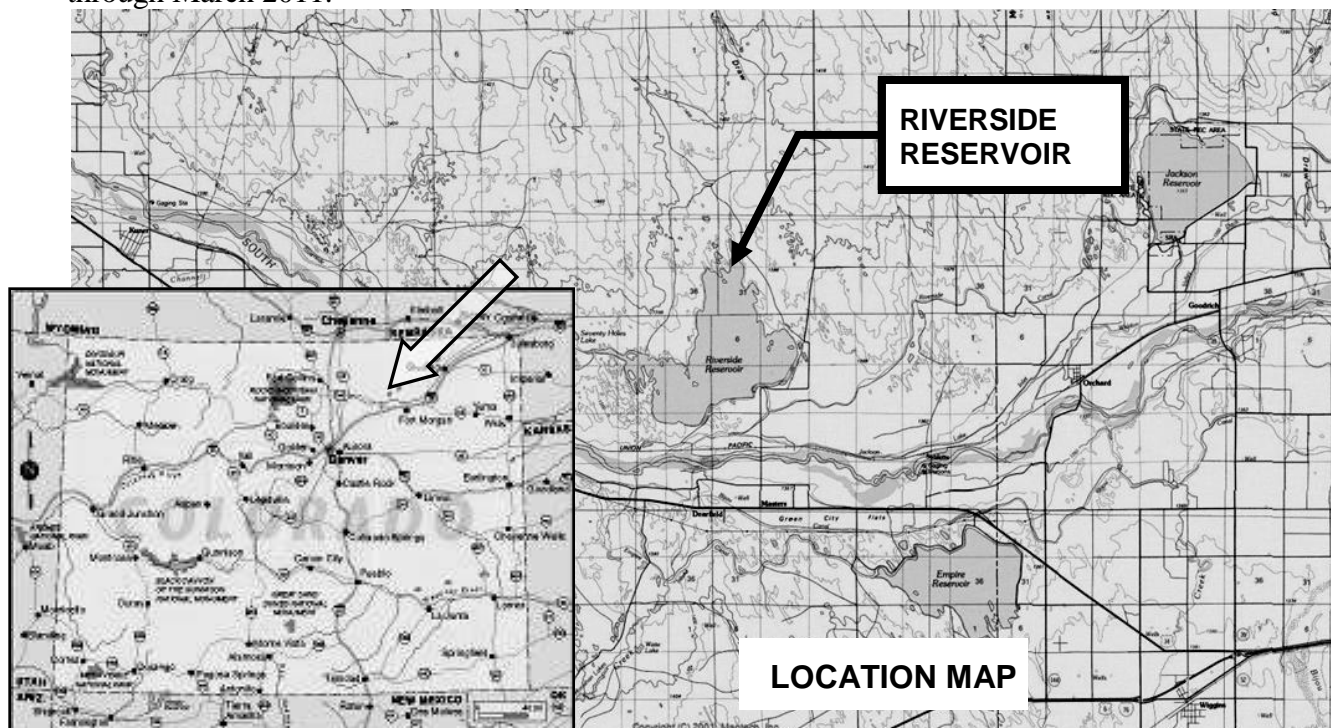
The Riverside Ditch and Allen Extension Company (Company), located near Buena Vista, owns and operates the Riverside Ditch (canal) that provides irrigation water to a 450 acre service area within Chaffee County. A significant portion of the Company's structures along the 125 year old canal are aged and 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

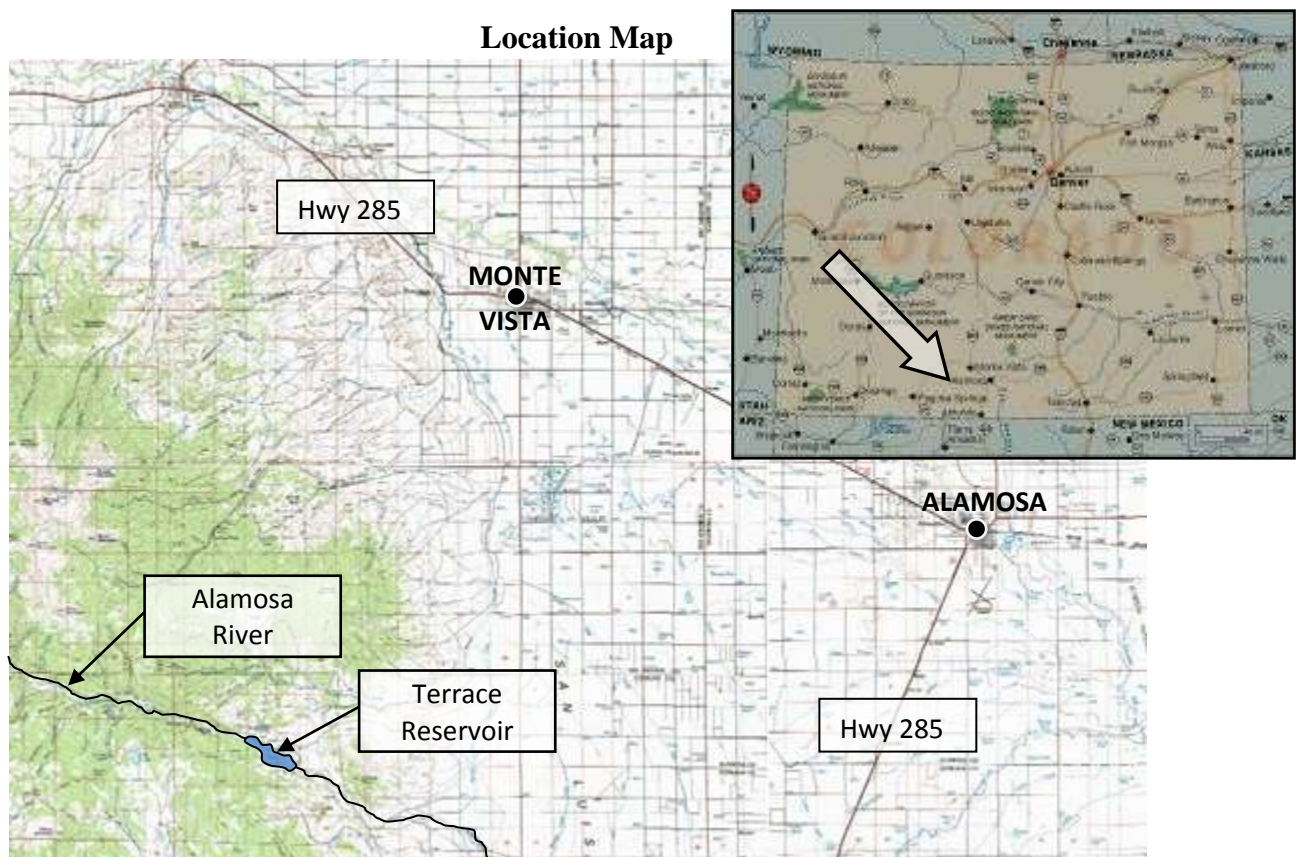
Borrower: Riverside Reservoir and Land Co.**County:** Weld**Project Name:** Emergency Spillway Project**Project Type:** Reservoir Rehabilitation**Drainage Basin:** South Platte**Water Source:** South Platte River**Total Project Cost:** \$3,120,000**Funding Sources:** Severance Tax Trust Fund
Perpetual 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.



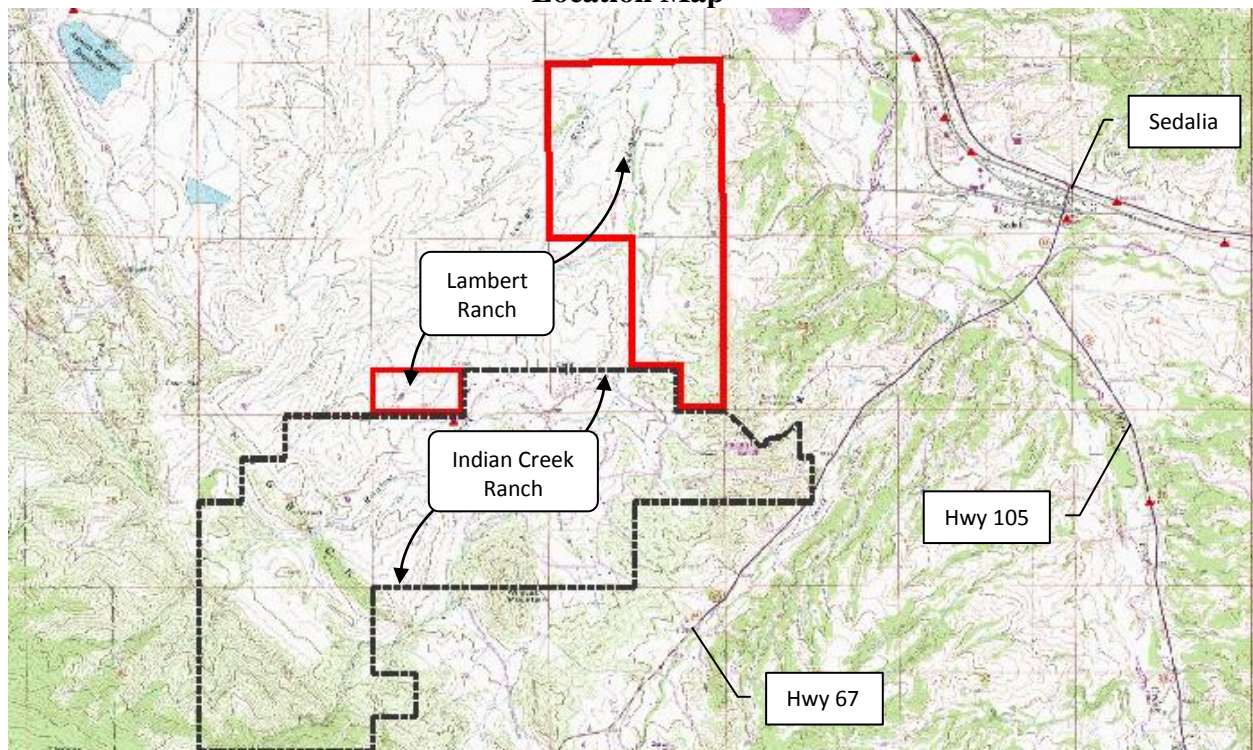
Water Project Loan Program – Project Data Sheet**Borrower:** Terrace Irrigation Company**County:** Conejos**Project Name:** Spillway Replacement Project**Project Type:** Reservoir Rehabilitation**Drainage Basin:** Rio Grande River Basin, District 21**Water Source:** Alamosa River**Total Project Cost:** \$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: \$18,172,000

Funding Sources: Construction Fund,
CWRPDA, GEO

Type of Borrower: Hydroelectric

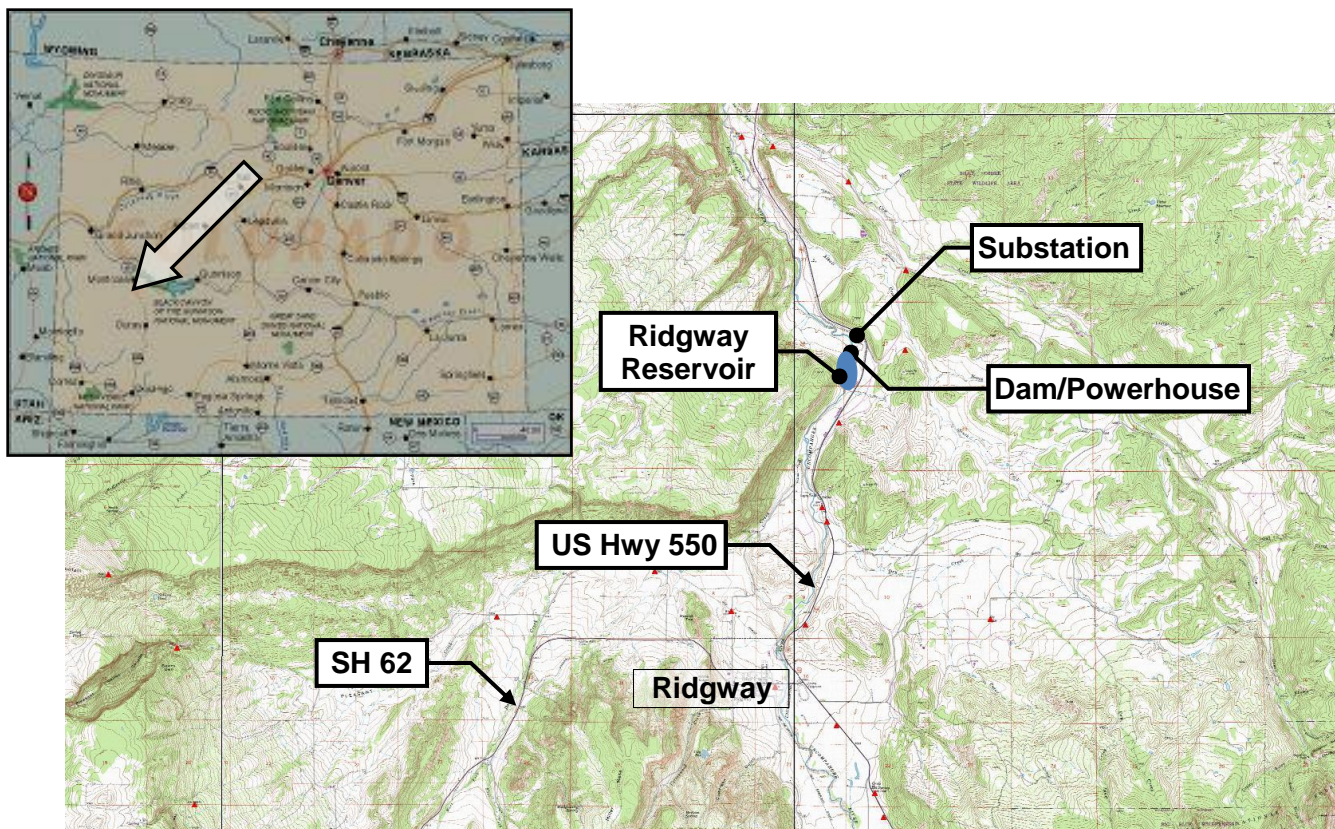
Avg. Diversion: 35,000 AF (84,410 AF of
reservoir storage)

Loan Amount: \$9,090,000 (Including 1% fee)

Interest Rate: 2.00%

Term: 30 years

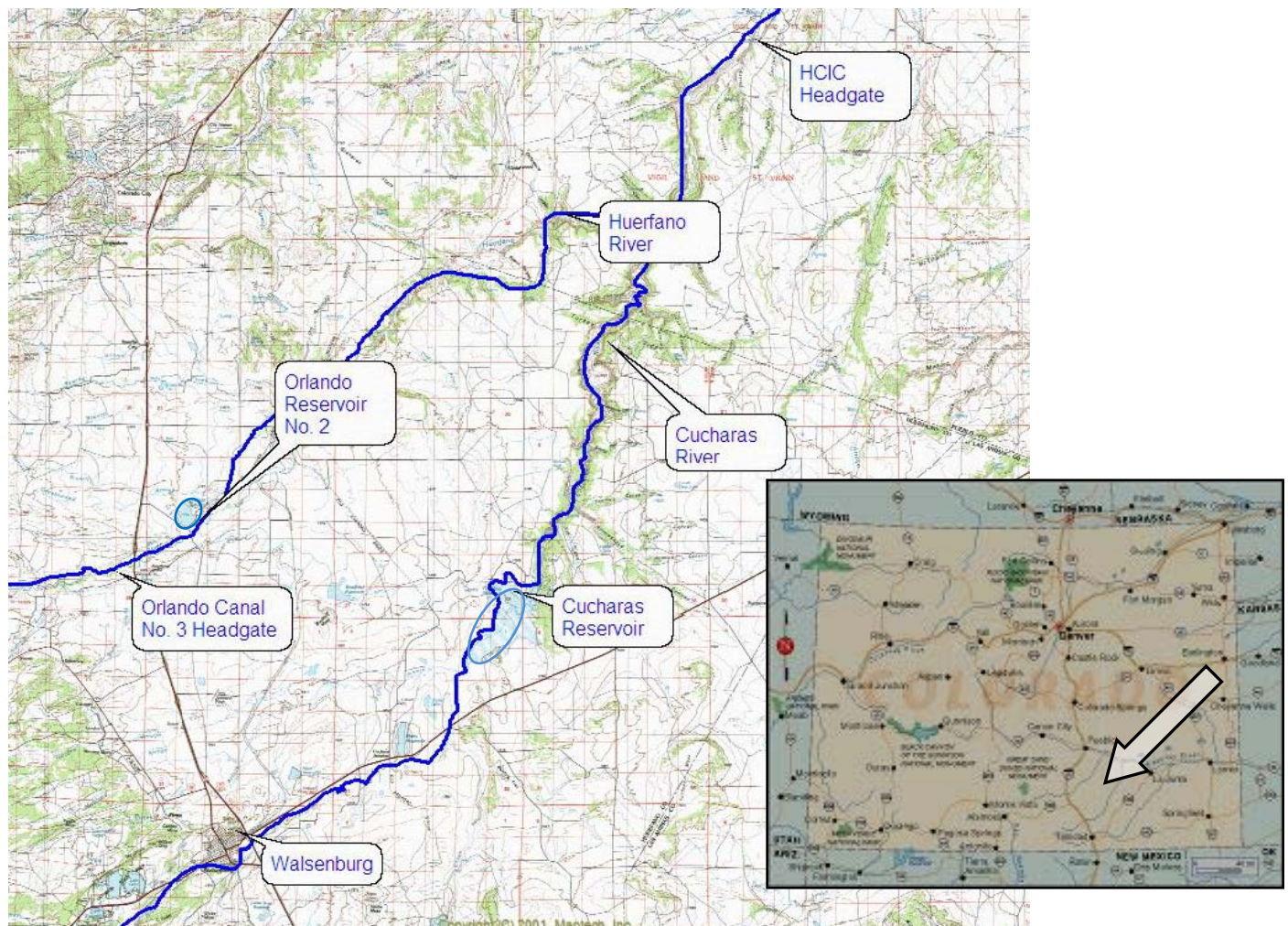
The Tri-County Water Conservancy District (District) is requesting a CWCB loan for the construction of a 7MW hydroelectric power generating facility at Ridgway Reservoir. The project will be permitted through the "Lease of Power Purchase" process with the Bureau of Reclamation (Bureau), allowing the 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 2012 and take approximately 2 years to complete, with energy production expected by spring 2014.



**CWCB Construction Loan Program
Project Data Sheet**

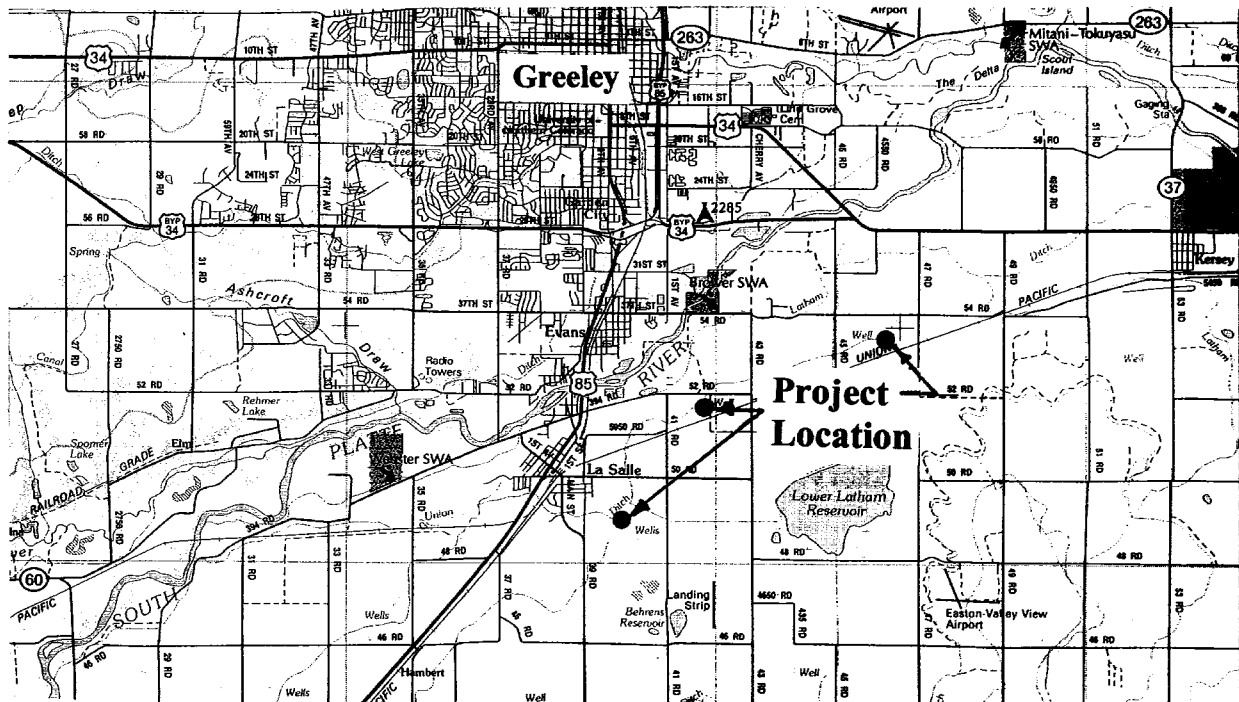
Borrower: Two Rivers Water Company**County:** Huerfano & Pueblo**Project Name:** Orlando Reservoir Rehabilitation**Project Type:** Reservoir Rehabilitation**Drainage Basin:** Arkansas River**Water Source:** Huerfano River**Total Project Cost:** \$1,303,500**Funding Sources:** Construction Fund**Type of Borrower:** Agricultural**Average Delivery:** 6,800 AF**Loan Amount:** \$1,184,882 (Including 1% fee)**Interest Rate:** 2.5%
(Reduced)**Term:** 20 years

The Two Rivers Water Company is requesting a CWCB loan to restore aging water infrastructure in order to support the company's agricultural production. Loan funds will be used to modify the spillway at the Cucharas Dam. This will bring the spillway up to SEO standards and will allow the company to store water and avoid a pending breach order. Loan funds will also be used to repair the outlet works at the Orlando Reservoir No. 2, to construct a new headgate on the Orlando Canal, and to replace the old Huerfano-Cucharas Irrigation Company (HCIC) headgate with new automated gates. Construction on these projects will begin in the fall of 2011 with completion expected by January of 2013.



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

Borrower: Upper Arkansas Water Conservancy District **County:** Chaffee/Fremont/Custer

Project Name: North Fork Reservoir Rehab/Expansion **Drainage Basin:** Arkansas River

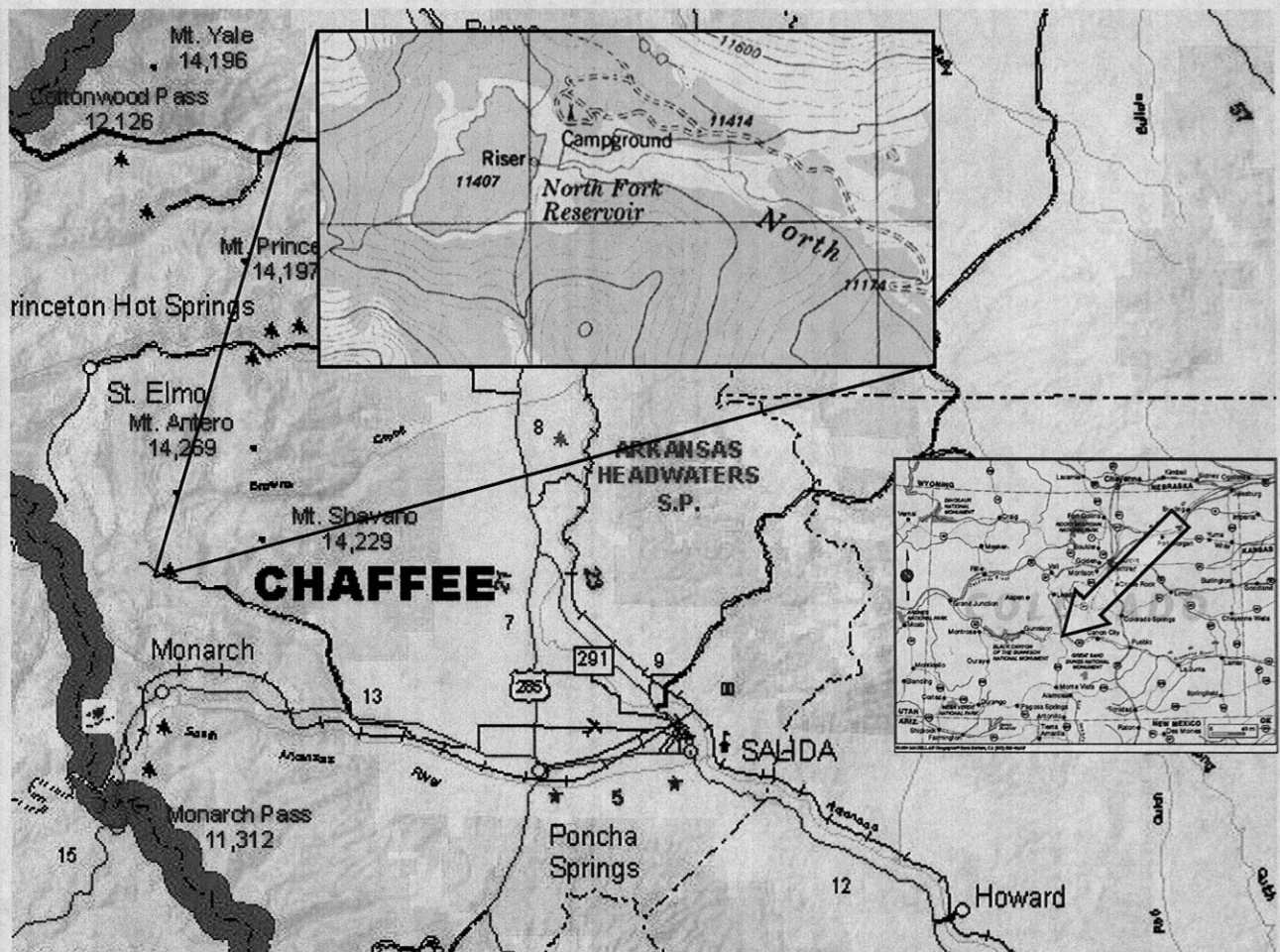
Project Type: Dam and Spillway Modifications **Water Source:** N. Fork of S. Arkansas

Total Project Cost: \$3,309,850 **Funding Sources:** CWCB & Company

Loan Amount: \$2,980,000 **Current Reservoir Storage:** 500 acre-feet

Type of Borrower: Low Municipal/Agricultural **Interest Rate:** 3.0% **Term:** 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.

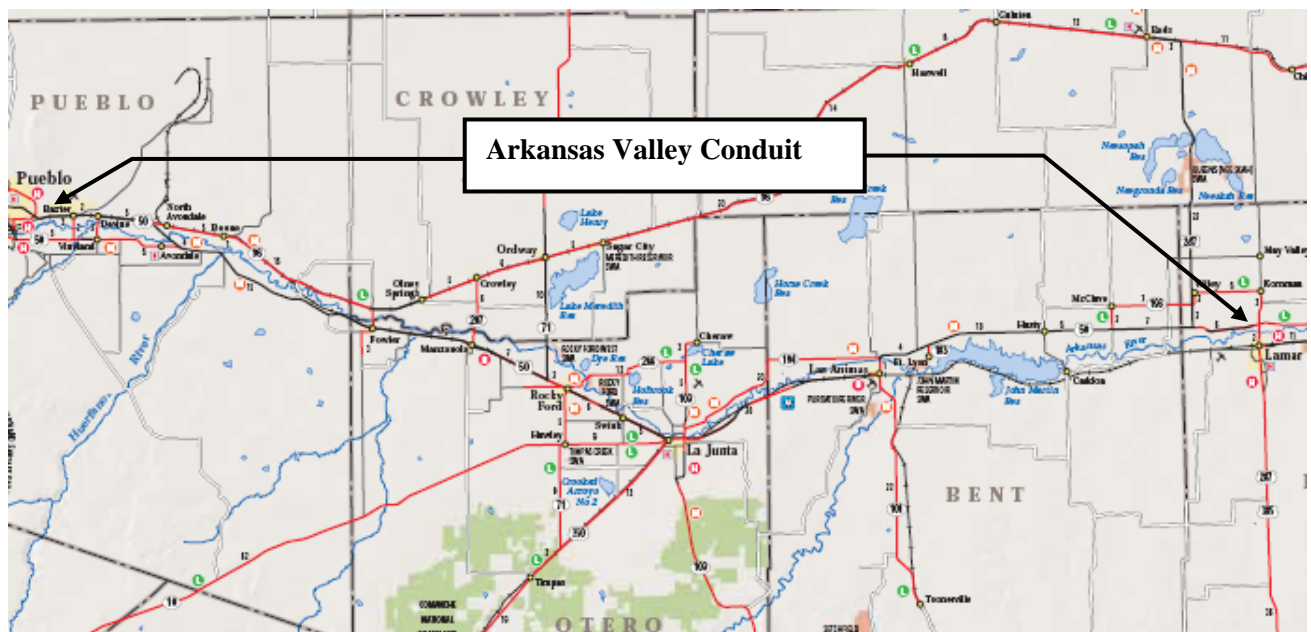


LOCATION MAP

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 **Interest Rate:** 3.25% **Term:** 30 years
(incl. 1% loan fee)

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)
WSRA Grant: \$500,000**Interest Rate:** 4.0% **Term:** 30 years

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

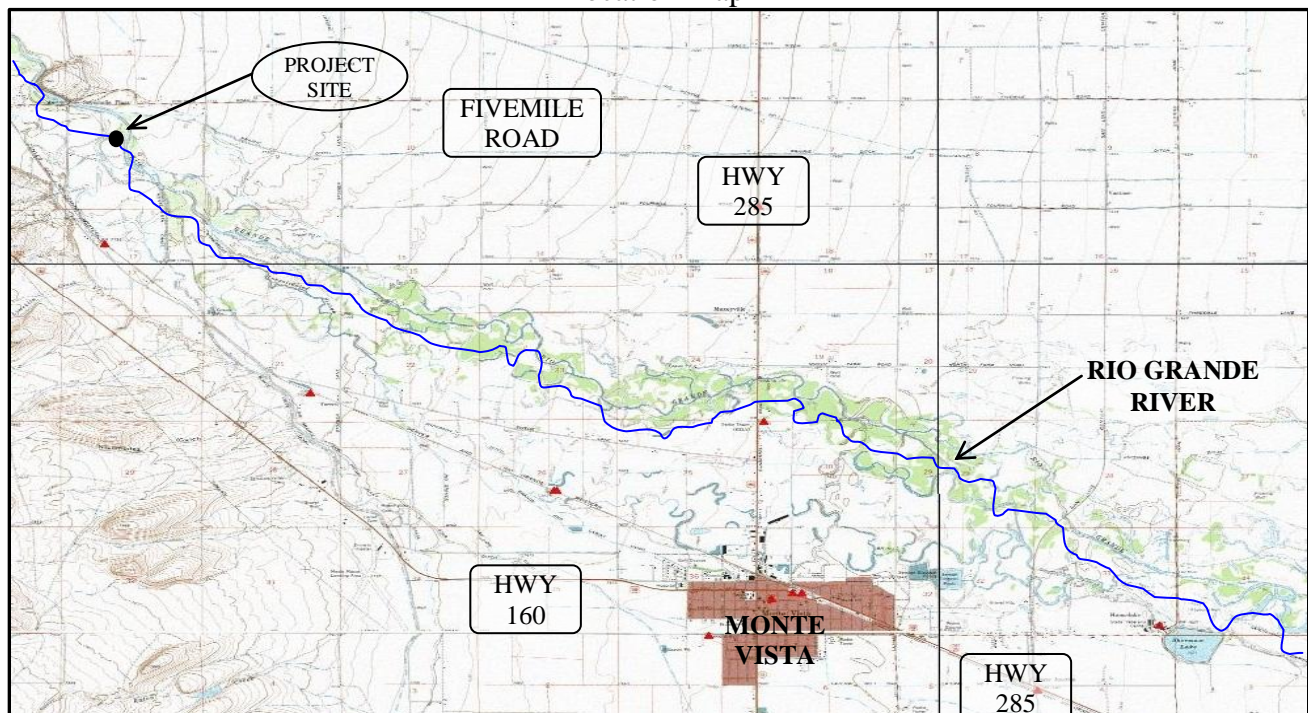
Avg. Annual Diversion: 5,018 AF

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

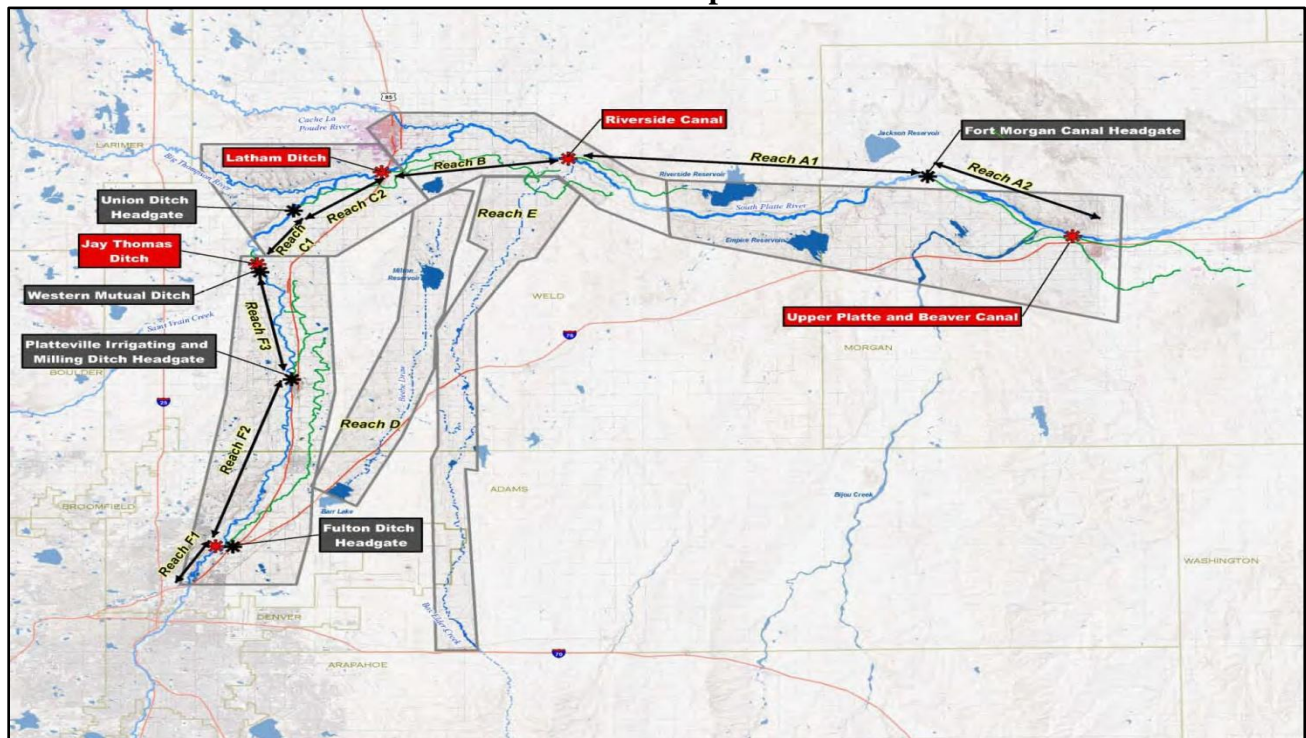


Water Project Loan Program – Project Data Sheet

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

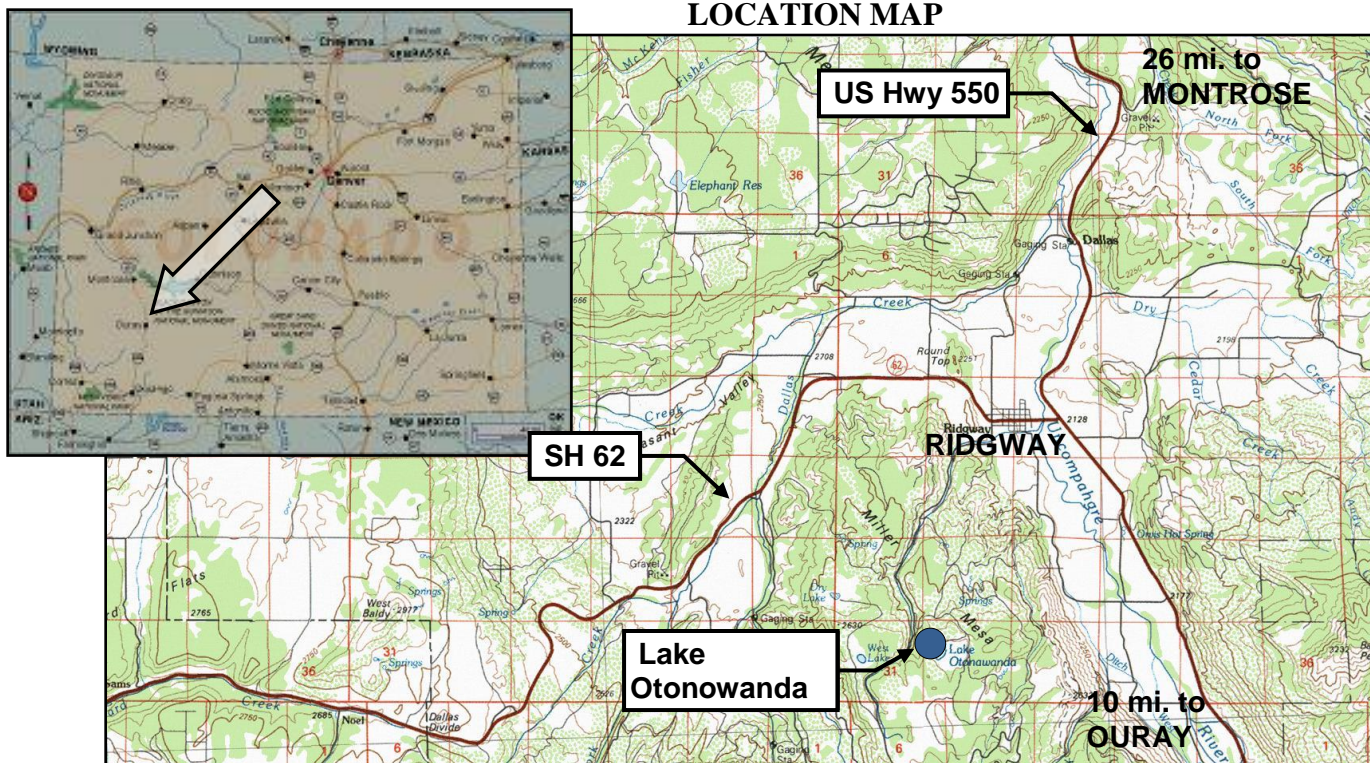


CWCB Construction Loan Program Project Data Sheet

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 CWCB 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.

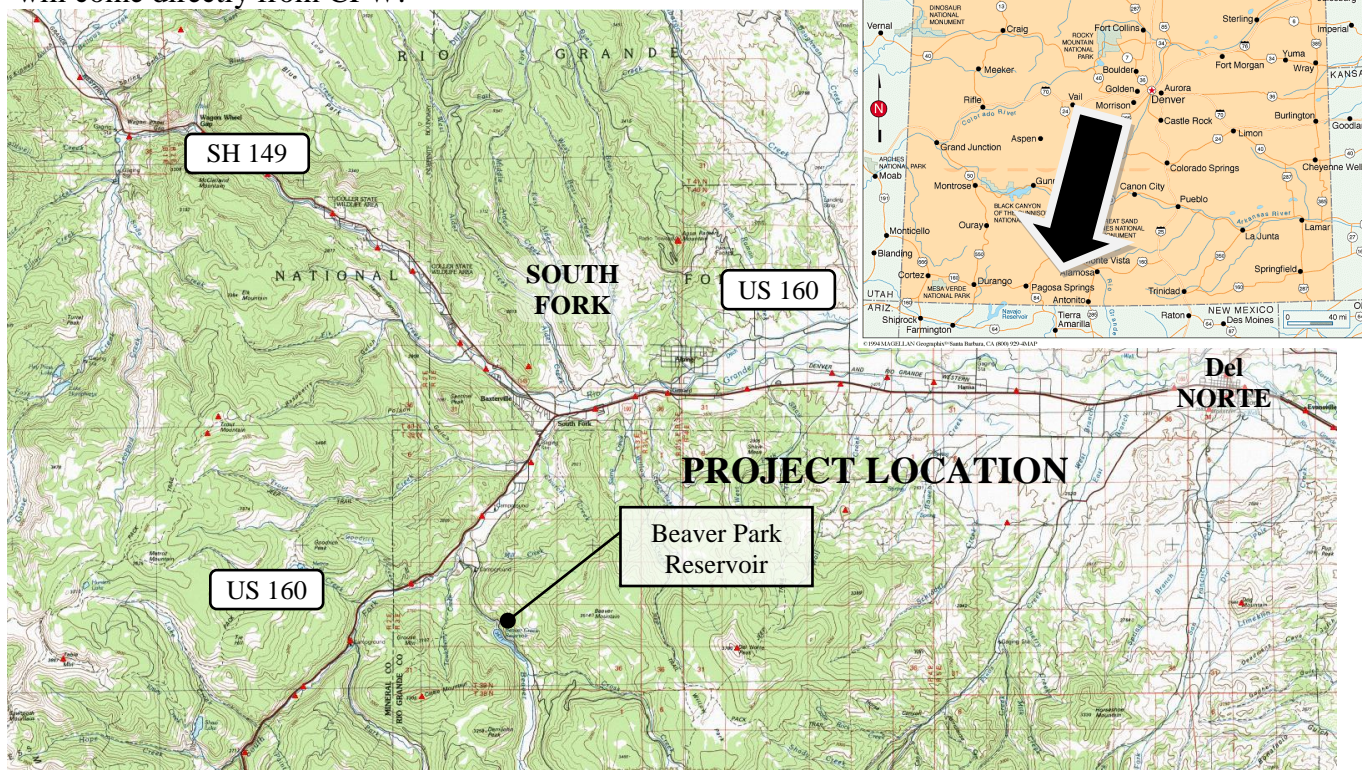
LOCATION MAP



CWCW 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.

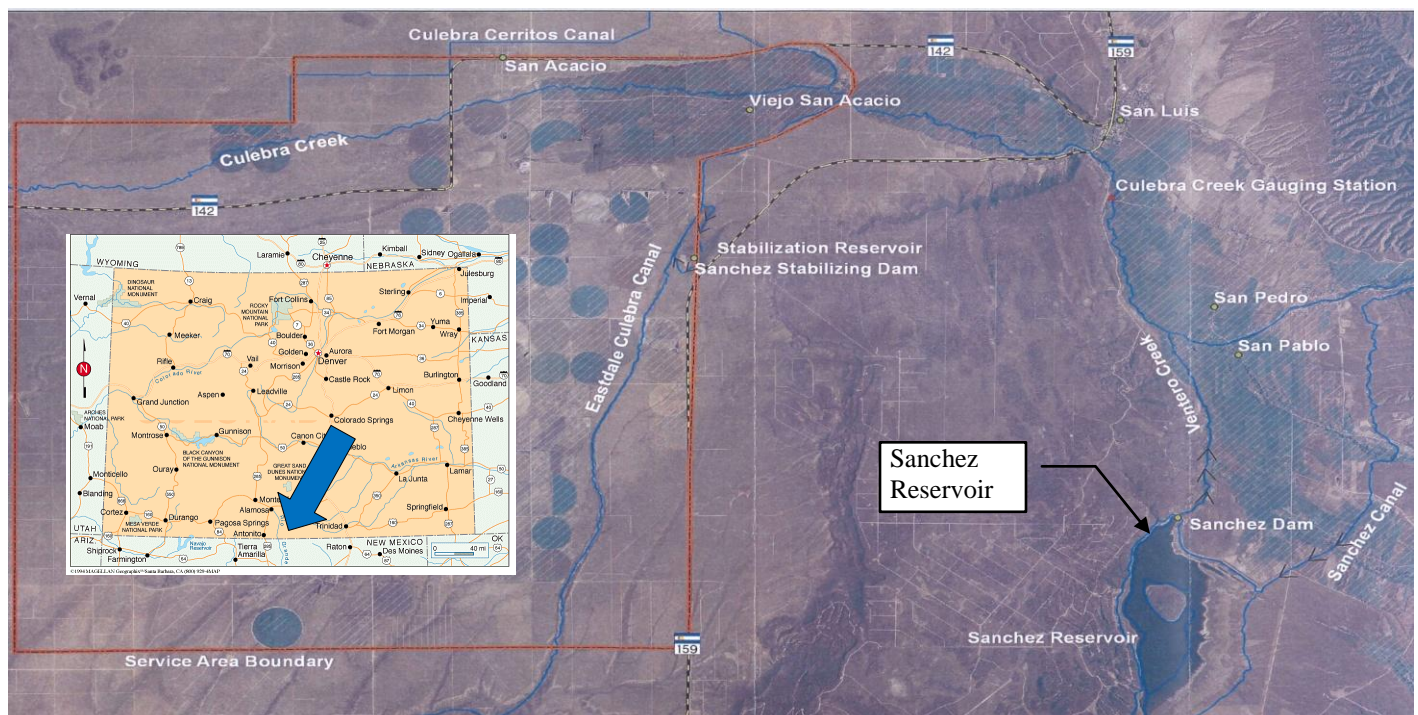


CWCBC Construction Loan Program Project Data Sheet

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.

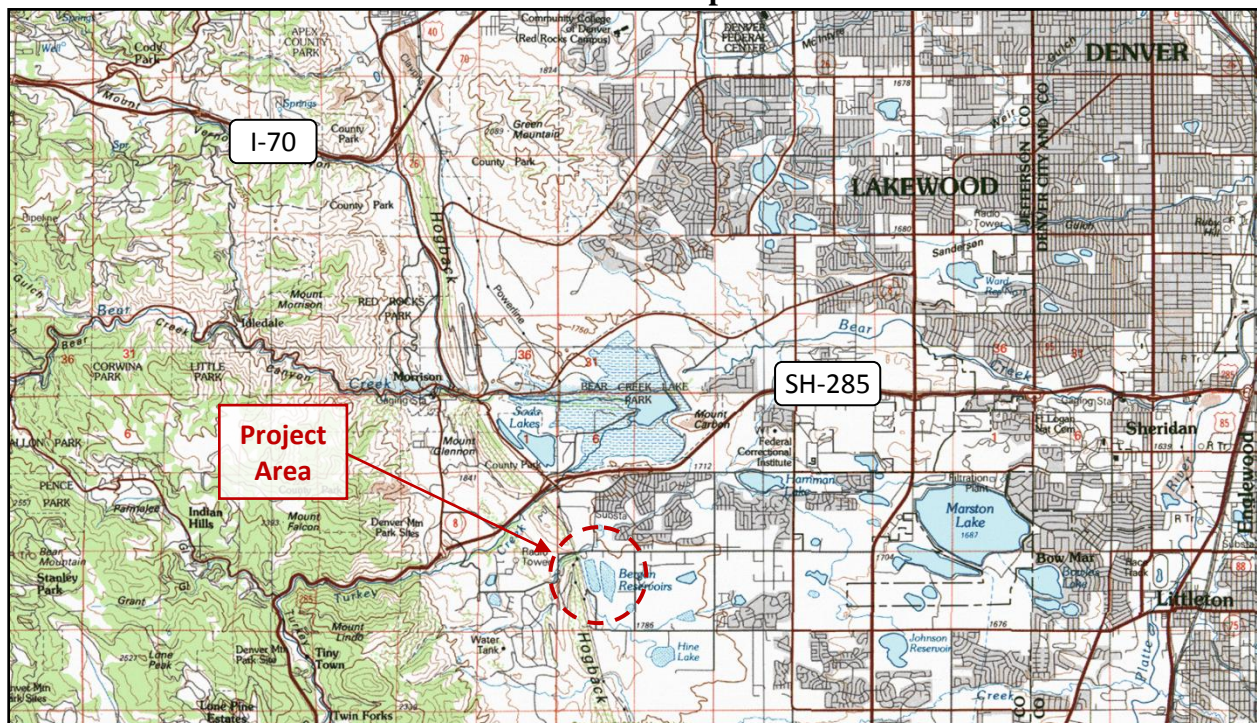


Water Project Loan Program – Project Data Sheet

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



H. R. 6060

One Hundred Twelfth Congress
of the
United States of America

AT THE SECOND SESSION

*Begun and held at the City of Washington on Tuesday,
the third day of January, two thousand and twelve*

An Act

To amend Public Law 106–392 to maintain annual base funding for the Upper Colorado and San Juan fish recovery programs through fiscal year 2019.

*Be it enacted by the Senate and House of Representatives of
the United States of America in Congress assembled,*

SECTION 1. SHORT TITLE.

This Act may be cited as the “Endangered Fish Recovery Programs Extension Act of 2012”.

SEC. 2. EXTENSIONS OF AUTHORITY UNDER PUBLIC LAW 106–392; REPORT.

Section 3(d)(2) of Public Law 106–392 is amended—

(1) by striking “2011” each place it appears and inserting “2019”;

(2) by striking “2008” and inserting “2018”; and

(3) by inserting before “Nothing in this Act” the following: “Such report shall also describe the Recovery Implementation Programs actions and accomplishments to date, the status of the endangered species of fish and projected dates for downlisting and delisting under the Endangered Species Act of 1973, and the utilization of power revenues for annual base funding.”.

SEC. 3. INDIRECT COST RECOVERY RATE FOR RECOVERY PROGRAMS.

Section 3 of Public Law 106–392 is amended by adding at the end the following new subsection:

“(i) **LIMITATION ON INDIRECT COST RECOVERY RATE.**—The indirect cost recovery rate for any transfer of funds to the U.S. Fish and Wildlife Service from another Federal agency for the purpose of funding any activity associated with the Upper Colorado River Endangered Fish Recovery Program or the San Juan River Basin Recovery Implementation Program shall not exceed three percent of the funds transferred. In the case of a transfer of funds for the purpose of funding activities under both programs, the limitation shall be applied to the funding amount for each program and may not be allocated unequally to either program, even if the average aggregate indirect cost recovery rate would not exceed three percent.”.

SEC. 4. LIMITATION ON TRAVEL FOR ADVOCACY PURPOSES.

At the end of Public Law 106–392, add the following new section:

H. R. 6060—2

“SEC. 5. LIMITATION ON TRAVEL FOR ADVOCACY PURPOSES.

“No Federal funds may be used to cover any expenses incurred by an employee or detailee of the Department of the Interior to travel to any location (other than the field office to which that individual is otherwise assigned) to advocate, lobby, or attend meetings that advocate or lobby for the Recovery Implementation Programs.”.

Speaker of the House of Representatives.

*Vice President of the United States and
President of the Senate.*

WSRA COMPLETED PROJECTS

Updated 1/11/2013



ATTAC

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	Southeastern Colorado Water Activity Enterprise	Arkansas Valley Conduit	Mar-07	\$0	\$200,000	\$200,000	Municipal & Industrial	C150406	6/30/11	11/24/10	
Arkansas	Southeastern Colorado Water Conservancy District	Non-native Pterocarpus Trees & Mapping Project	Mar-07	\$0	\$50,000	\$50,000	Other	8000000005		6/30/09	
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 with 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 & Neenoshie 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	121BC000009	4/1/12	3/29/12	
Arkansas	Purgatoire 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	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	OE131BC000005	8/31/12	8/2/12	
				\$929,611		\$1,956,802	\$2,886,413				
Number of Projects		20									
Arkansas/Metr 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
				\$60,000		\$0	\$60,000				
Number of Projects		1									
Colorado	Eagle Park Reservoir Company	Enlargement of Eagle Park Reservoir	Mar-07	\$0	\$250,000	\$250,000	Municipal & Industrial	C150401	12/31/09	12/17/09	
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		
Colorado	Grand County	Vail Ditch Project	Mar-07	\$0	\$1,500,000	\$1,500,000	Agricultural	C150409	6/30/08	6/30/08	
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	

ATTACHMENT 7

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	90000000049	10/1/09	10/1/09
Colorado	West Divide Water Conservancy	Feasibility and design assessment of off-channel reservoir sites in the Crystal River water shed	Sep-08	\$40,000	\$0	\$40,000	Municipal & Industrial	90000000052	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	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
Number of Projects				\$875,171	\$2,077,900	\$2,953,071				
Gunnison	Upper Gunnison Water Conservancy District and Hinsdale County	Lake San Cristobal Controlled Outlet Structure	May-07	\$24,500	\$98,000	\$122,500	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 Uncompanghe Valley Water Users Association	Off-System Raw Water Storage Project 7 Water Authority/Uncompanghe Valley Water Users Association	Sep-07	\$56,700	\$0	\$56,700	Municipal & Industrial	80000000059		
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	80000000038	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	90000000041	6/30/11	4/8/11
Gunnison	Town of Ridgway	Ridgway Ditch and Lake Olenawanda 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	90000000088	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	100000000041	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	121BC0000004	6/30/12	6/30/12
Gunnison	Painted Sky Resource Conservation and Development Council, Inc.	Hartland Diversion Dam — Partial Dam Removal and Stabilization	Sep-11	\$0	\$0	\$0	Nonconsumptive	121BC0000008	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	121BC0000022	12/31/12	11/13/12
Number of Projects				\$643,555	\$708,700	\$1,352,255				
Metro	The Greenway Foundation	Chafield 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	110000000083	6/30/12	4/30/12
Number of Projects				\$718,360	\$200,000	\$918,360				
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
Number of Projects				6	\$637,040	\$96,000	\$733,040			
Rio Grande	El Paso County Water Authority	Alamosa River In-stream Flow Project	Mar-07	\$64,500	\$0	\$64,500	Nonconsumptive	70000000076		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	80000000006		
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	80000000060		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	10000000001	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
Rio Grande	Colorado Rio Grande Restoration Foundation	Conservation Reserve Enhancement Program (CREP) Phase II - Implementation	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	121BC000013	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	121BC000017	12/31/12	12/19/12
Number of Projects				23	\$1,128,050	\$3,042,400	\$4,170,450			
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	Sep-07	\$0	\$278,476	\$278,476	Nonconsumptive	C150415	7/31/09	7/31/09
South Platte	Northern Colorado Water	Stage Discharge Data Loggers and Telemetry	Jan-08	\$48,800	\$0	\$48,800	Agricultural	800000000120	6/30/11	6/28/11

South Platte	Conservancy District 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 (FMRI/Co)	FMRI/Co 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
Number of Projects				\$749,235	\$774,781	\$1,524,016				
South PlatteMetro	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 PlatteMetro	Colorado Foundation for Water Education	Solicitation of Stakeholder Input through a South Platte Edition of Headwaters	Jul-08	\$32,038	\$0	\$32,038	Education	9000000019		
South PlatteMetro	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
Number of Projects				\$446,388	\$0	\$446,388				
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	8000000075		7/31/09
Southwest	Mancos Water Conservancy District	Jackson Gulch Reservoir Expansion Project	Jul-07	\$80,000	\$0	\$80,000	Municipal & Industrial	8000000076	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
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	MMVC 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	\$0	\$0	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		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	10000000125	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	\$225,000	\$1,000,000	\$1,225,000	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	121BC0000011	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	121BC0000005	12/31/11	10/21/11
Southwest	La Plata River and Cherry Creek	La Plata Cherry Creek Ditch Headgate Improvement Project	Nov-10	\$25,000	\$0	\$25,000	Agricultural	121BC000014	8/31/12	6/11/12

ATTACHMENT 7

[illegible]

WSRA IN PROGRESS PROJECTS



Basin	Applicant	Name of Water Activity	CWCB	Basin		Statewide		Total	Type of Water Activity	Number	Project Expiration
			Meeting	Account	Approved	Amount	Approved	Request			
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	City of Pueblo	Bedload/Sediment Collection and Removal Technology - Fountain Creek	Sep-09	\$75,000		\$150,000		\$225,000	Nonconsumptive	C150465	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	6/30/13
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	\$49,000		\$196,000		\$245,000	Municipal & Industrial	C150496	6/30/13
Arkansas	Sarge de Cristo RC&D Council Inc.	A Multi-Media Program for Reporting Crop and Turf Water Use Estimates from the Colorado Agricultural Meteorological Network (CoAgMet)	May-11	\$0		\$0		\$0	Agricultural	12IBC000006	6/30/15
Arkansas	City of Trinidad	North Lake Dam Rehabilitation Project	Mar-12	\$12,000		\$727,235		\$739,235	Municipal & Industrial	C150502	12/31/13
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
Arkansas	Cross Creek Metropolitan	Hale Reservoir Renovation – Final Design & Permitting	Sep-12	\$20,000		\$100,000		\$120,000	Municipal & Industrial	C150504	6/30/13
Arkansas	Pisgan Reservoir and Ditch Company	Mount Pisgan Dam/Wrights Reservoir Outlet Works Rehabilitation	Sep-12	\$25,000		\$136,345		\$161,345	Other	C150505	9/1/14
Number of Projects				\$370,000		\$2,541,417		\$2,911,417			
Arkansas/Colorado/Gunnison/North Platte/Rio Grande/South west/South	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
Number of Projects				\$23,000		\$50,004		\$73,004			
Arkansas/South Platte	Pikes Peak Regional Water Authority	Rotating Agricultural Following Public Policy Working Group	Jul-11	\$20,000		\$0		\$20,000	Agricultural	12IBC000015	3/31/13
Number of Projects				\$20,000		\$0		\$20,000			
Arkansas/South Platte/Metro	Water Environment Research Foundation	Demonstration of Membrane Zero Liquid Discharge Process for Drinking Water Systems	Sep-08	\$0		\$0		\$0		C150456	6/30/13
Number of Projects				\$0		\$0		\$0			
Colorado	Basalt Water Conservancy	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	6/30/13
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	Blue River Watershed Group	Upper Swan River Restoration Project	Mar-12	\$30,000		\$0		\$30,000	Nonconsumptive	12IBC000021	3/30/13
Colorado	Eagle River Watershed Council, Inc.	Colorado River Inventory & Assessment	May-12	\$30,000		\$0		\$30,000	Needs Assessment	OE13IBC000003	12/31/13
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
				\$249,867		\$265,000		\$514,867			

Number of Projects									
Gunnison	Upper Gunnison River Water Conservancy District	Blue Mesa Reservoir	\$24,500	\$98,000	\$122,500			C150497	6/30/13
Gunnison	North Fork Water Conservancy District (NFWCD) and Fire Mountain Canal and Reservoir	Sedimentation Management Study For Paonia Reservoir - North Fork of the Gunnison	Sep-07	\$79,000	\$230,000	\$309,000	Agricultural	C150414	2/28/13
Gunnison	Upper Gunnison River Water Conservancy District	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
Gunnison	Lenoux Creek Water Users Association (LCWUA)	Hanson Reservoir Outlet Rehabilitation	Jul-10	\$0	\$0	\$0	Agricultural	11000000068	6/30/13
Gunnison	Colorado State University	Agricultural Weather Data Delivery/ Improvements to Uncompatgre 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	North Delta Irrigation	Tunnel Reconstruction Project	Mar-12	\$40,000	\$370,000	\$410,000	Agricultural	C150478	4/1/13
Gunnison	Delta Conservation District	North Fork of the Gunnison Invasive Weed Removal	May-12	\$20,000	\$0	\$20,000	Other	13IBC000007	12/31/13
Number of Projects				\$306,350	\$853,960	\$1,160,310			
Metro	South Metro Water Supply Authority	Aquifer Recharge Pilot Study	Sep-09	\$0	\$550,000	\$550,000	Municipal & Industrial	C150474	6/30/13
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	6/30/13
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	6/30/13
Number of Projects				\$128,263	\$1,384,792	\$1,513,055			
North Platte	USFS	Effects of Mtn pine beetle and forest mgnt on water quantity, quality, and forest recovery N.P. and Upper CO River basins	Sep-08	\$212,306	\$164,618	\$376,923	Other	C150440	6/30/13
North Platte	Colorado Climate Center--	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	6/30/13
North Platte	Jackson County Water Conservancy District	Structures for Water Control: Headgates and Diversion	Sep-11	\$183,883	\$0	\$183,883	Agricultural	C150488	12/31/13
North Platte	Jackson County Water Conservancy District	Structures for Water Control: Headgates and Diverison - Additional Funds Request	May-12	\$55,055	\$0	\$55,055		C150488	12/31/13
North Platte	Loban, Hackleman and Olsen	Sereca Ditch - Structure for Water Control	Jul-12	\$57,539	\$0	\$57,539		OE13IBC000011	12/31/13
Number of Projects				\$579,192	\$215,027	\$794,218			
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 County	Rio Grande County Hydrogeologic Study	Jul-12	\$99,564	\$0	\$99,564	Other	13IBC000008	12/31/13
Number of Projects				\$314,564	\$2,287,280	\$2,601,844			
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	6/30/13
South Platte	The Nature Conservancy of Colorado	Atciskaree 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	Lower South Platte Water Cooperative Organizational	Sep-10	\$60,977	\$200,000	\$260,977	Agricultural	C150476	6/30/13

South Platte	Conservancy District Ducks Unlimited, Inc.	Analysis Development of Decision Support Model for Identifying & Ranking Waterflow and Wildlife Related Recharge Projects along the South Platte River	Sep-10	\$0	\$85,421	\$85,421	Nonconsumptive	OE121BC000023	6/30/13
South Platte	Division of Water Resources	Atlivial Aquifer Accretion/Depletion Analysis Tool	Mar-11	\$0	\$200,000	\$200,000	Other	CC154209	5/31/14
South Platte	Ducks Unlimited, Inc.	South Platte River Phreatophyte Control Pilot	Sep-11	\$35,000	\$30,000	\$65,000	Nonconsumptive	131BC0000004	8/31/14
Number of Projects				\$158,071	\$1,420,909	\$1,578,980			
South PlatteMetro	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
Number of Projects				\$75,000	\$300,000	\$375,000			
Southwest	La Plata Archuleta Water	La Plata Archuleta Water District Permitting	Sep-09	\$0	\$400,000	\$400,000	Municipal & Industrial	C150459	6/30/13
Southwest	Florida Mesa Canal Companies (Florida Canal, Florida Farmers Ditch, Florida Enlargement Ditch, and the Florida Co-operative Ditch	Canal Seepage Reduction Program	Sep-10	\$0	\$775,000	\$775,000	Agricultural	C150475	6/30/13
Southwest	Aspen Springs Metro District	Aspen Springs Metro Water Filling Station	Nov-10	\$0	\$0	\$0	Municipal & Industrial	131BC0000002	7/31/13
Southwest	La Plata Water Conservancy	La Plata River Water Resources Operations Model	Mar-11	\$0	\$148,823	\$148,823	Agricultural	C150477	1/31/13
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	OE131BC000012	12/31/14
Southwest	Red Mesa Dam & Reservoir Company	Red Mesa Dam & Reservoir – Spillway Alternatives Analysis	Sep-12	\$19,400	\$0	\$19,400	Agricultural	OE131BC000009	9/30/13
Number of Projects				\$91,900	\$1,423,163	\$1,515,063			
Yampa/White	Town of Rangely	Rangely Irrigation System Master Plan Study		\$12,500	\$0	\$12,500		131BC00000015	12/31/13
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	6/30/13
Yampa/White	Bear River Reservoir	Stillwater Reservoir Seepage Project	Sep-09	\$189,000	\$0	\$189,000	Agricultural	C150469	8/20/15
Yampa/White	Yellow Jacket Water Conservancy District	Yellow Jacket Water Storage Feasibility Study	Jan-10	\$220,800	\$0	\$220,800	Agricultural	C150472	6/30/13
Yampa/White	Colorado Climate Center--	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	110000000058	6/30/15
Yampa/White	Moffat County	Yampa-White Basin Projects and Methods Analysis	Mar-11	\$0	\$0	\$0	Other	C150481	12/31/13
Yampa/White	The Friends of the Yampa	Yampa River Structures Project	Sep-11	\$50,000	\$0	\$50,000	Nonconsumptive	131BC0000006	12/31/13
Number of Projects				\$543,362	\$10,978	\$554,340			

WSRA Open Grant Projects - Board Approved - Not Yet Contracted

Updated



Basin	Applicant	Name of Water Activity	CWCB Meeting	Basin Account Approved	Statewide Amount Approved	Total Request	Type of Water	PM
2012 September Board Approvals								
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	Todd Doherty
Colorado	Robinson Ditch Company	Robinson Ditch Piping Improvements	Sep-12	\$60,000	\$0	\$60,000	Agricultural	Jacob
Colorado	Blue River Watershed Group	Terrie Creek Restoration Project	Sep-12	\$17,500	\$332,500	\$350,000	Nonconsumptive	Chris Sturm
Colorado	Roaring Fork Water	Crystal River Watershed – Assessment and Design of Restoration Projects	Sep-12	\$15,854	\$301,219	\$317,073	Nonconsumptive	Chris Sturm
Colorado	Tamarisk Coalition	Grand Valley Riparian Restoration Collaborative (GVRRC) Project	Sep-12	\$42,726	\$207,274	\$250,000	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	Rio Grande Headwaters Land	Rio Grande Initiative: Haywood Ranch Conservation Easement	Sep-12	\$25,000	\$400,000	\$425,000	Agricultural	Greg Johnson
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
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	Chris Sturm
Southwest	La Plata Archuleta Water	Construction of Municipal Water Distribution Pipeline and Related Facilities	Sep-12	\$25,000	\$475,000	\$500,000	Municipal & Industrial	Ryan Edwards
2012 July Board Approvals								
Gunnison	Leon Park Reservoir Company	Leon Park Reservoir Dam Outlet Repair	Jul-12	\$31,372	\$0	\$31,372	Agricultural	Todd Doherty
2012 May Board Approvals								
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		Todd Doherty
2011 September Board Approvals								
Southwest	Lake Durango Water Authority	Lake Durango Water Authority/ Source Water Infrastructure	Sep-11	\$50,000	\$450,000	\$500,000	Municipal & Industrial	Greg Johnson
2011 July Board Approvals								
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
2011 May Board Approvals								
Colorado	Orchard Mesa Irrigation	Canal #1 Check Structure Pilot Project at Dalton, Kiefer & Springer Properties	May-11	\$25,212	\$0	\$25,212	Agricultural	Jacob
2011 March Board Approvals								
Gunnison	Grand Mesa Water Conservancy District, Water	The Rehabilitation of Blanche Park Reservoir	Mar-11	\$75,000	\$0	\$75,000	Agricultural	Todd Doherty
2010 July Board Approvals								
South Platte	Northern Colorado Water Conservancy District	Data Logger and Telemetry Installation Project	Jul-10	\$46,000	\$0	\$46,000	Agricultural	Todd Doherty
2010 May Board Approvals								
Gunnison	Lake San Cristobal Water Activity Enterprise (LSCWAC)	Lake San Cristobal Outlet Structure	May-10	\$150,000	\$0	\$150,000	Municipal & Industrial	Todd Doherty
2009 September Board Approvals								
Rio Grande	CDPHE	Demonstration of membrane zero liquid discharge process for drinking water systems (\$50,000 Metro Basin Fund	Sep-09	\$50,000	\$200,000	\$250,000		Greg Johnson

Contribution)

2009 July Board Approvals

Southwest Town of Sawpit Domestic Water System Construction Jul-09 \$25,000 \$0 \$25,000 Municipal & Industrial Greg Johnson