



COLORADO WATER CONSERVATION BOARD

DIRECTOR'S REPORT

July 2015

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



TO: Colorado Water Conservation Board Members

FROM: James Eklund
Meg Dickey-Griffith
Erik Skeie

DATE: July 15-16, 2015

SUBJECT: Agenda Item 6d, July 2015 CWCB Board Meeting Director's Report

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~INTERSTATE AND FEDERAL~

U.S.-MEXICO, MINUTE 319 IMPLEMENTATION AND FUTURE NEGOTIATIONS—The United States, Mexico, and the Colorado River basin states held a workshop on May 14, 2015 in San Diego, CA, and discussed the successes and challenges associated with Minute 319. In addition, the U.S. and Mexico expressed support for initiating a process to explore possible subsequent agreements. The U.S. and Mexico formed a “Minute Negotiating Group” to lead these negotiations that could build on the successes of Minute 319. On June 22, 2015, the Minute Negotiation Group met to commence these discussions in Juarez, Mexico. The Minute Negotiation Group will meet again in August, 2015. The Board will be updated at the July Board meeting about these talks. *(Ted Kowalski)*

GLEN CANYON DAM ADAPTIVE MANAGEMENT WORK GROUP (“AMWG”) AND TECHNICAL WORK GROUP (TWG) MEETINGS—The Glen Canyon Dam Technical Work Group (TWG) held a meeting by telephone and webinar on June 11, 2015. At that meeting, the Bureau of Reclamation (BOR) and the National Park Service (NPS) explained that they are currently drafting the Draft EIS, but are hopeful to release a public draft by the end of the summer of 2015. The next AMWG meeting will be held on August 26-27, 2015 in Tempe, Arizona. Tragically, Jason Thiriot, age 40, who was the TWG representative from Nevada, suffered a cardiac arrest and died on June 21, 2015. Jason leaves behind a wife and five young children. Jason contributed to the success of the AMWG in many ways over the years, and we will miss his smile and “can do” attitude. *(Ted Kowalski)*

SYSTEM CONSERVATION AGREEMENT (SCA)—In May, the UCRC and the funding partners of the SCA (Denver Water, Southern Nevada Water Authority (SNWA), Central Arizona Project (CAP), the Metropolitan Water Authority of Southern California (MET), and the Bureau of Reclamation (BOR)) signed a facilitation agreement for implementation of this program. In addition, the UCRC issued a Request For Proposals (RFP) in May, 2015. There are two rounds for submissions. Proposals for the first round were due on June 17, 2015. The UCRC and funders received more than a dozen proposals in June, with proponents from Colorado, Utah, and Wyoming. The UCRC is currently analyzing these proposals. The second round for submitting proposals will be due on November 1, 2015. The Staff will provide an update to the Board at the July Board meeting. *(Ted Kowalski)*

UPPER COLORADO RIVER COMMISSION (UCRC) SUMMER MEETING HELD IN DURANGO, COLORADO—The UCRC Summer meeting occurred on June 17-18, 2015 in Durango, Colorado. The Southwestern Water Conservation District hosted a tour of the A-LP Project and Long Hollow Reservoir. In addition, the agenda included discussion of a variety of topics, including: drought contingency planning; LTEMP; Mexico negotiations; and implementation of the System Conservation Agreement. The next UCRC meeting will be held on December 16, 2015, in Las Vegas, Nevada, in conjunction with the Colorado River Water Users Association (CRWUA) annual conference. *(Ted Kowalski)*

COLORADO RIVER BASIN STUDY MOVING FORWARD REPORT ISSUED—The follow up report to the Colorado River Basin Study was released on Tuesday May 12, 2015. The Report can be found at: <http://www.usbr.gov/lc.region/programs/crbstudy/MovingForward/Phase1Report.html> *(Ted Kowalski)*

~STATEWIDE~

GROUND WATER COMMISSION MEETING—The Ground Water Commission (GWC) held its quarterly meeting on May 15, 2015 in Castle Rock, CO. The agenda items included routine reports and a legislative update. A presentation on groundwater levels was given by DWR's Hydrogeologic Services staff. The GWC also held an executive session to discuss Front Range Resources LLC's application for a replacement plan. Lastly, the Commissioners were informed about the USFS' Proposed Ground Water Directive and were encouraged to review the draft water plan and provide comments and content to CWCB Staff. The Ground Water Commission will hold its next regular meeting on August 21, 2015 in Alamosa, CO. For more information visit:
<http://water.state.co.us/groundwater/CGWC/Pages/default.aspx>. (*Suzanne Sellers*)

~COLORADO RIVER BASIN~

COLORADO RIVER WATER USE— As of June 1, 2015, the Lake Mead water level was at 1077 feet with 9.73 million acre-feet (MAF) of storage, or 37% of capacity, while the Lake Powell water level was at 3597 feet with 11.49 MAF of storage, or 47% of capacity. Total system active storage as of June 1 was 29.06 MAF, or 49% of capacity, which is 220,000 AF more than one year ago. As of May 19, 2015, the unregulated inflow into Lake Powell for Water Year 2015 is forecast to be 7.151 MAF, or 66% of average. For the Upper Colorado River Basin, precipitation as of May 19, 2015 was reported at 89% of average, and snowpack was at 144% of average.

2015 Water Use Forecast: As of June 1, the 2015 Reclamation forecast for the Lower Basin states' consumptive use of Colorado River water is 7.292 MAF, which includes Arizona at 2.745 MAF, California at 4.283 MAF, and Nevada at 0.265 MAF. The forecast for 2015 for California's agricultural consumptive use of Colorado River water is 3.299 MAF. The Metropolitan Water District of Southern California's forecast for 2015 use is 0.846 MAF. (*Andy Moore*)

~PLATTE RIVER BASIN~

PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM— The Platte River Recovery Implementation Program (PRRIP) Governance Committee (GC) held its regular meeting on June 9-10, 2015 in Cheyenne, WY. Agenda items included regular committee meeting and budget updates and an update of the J2 Reservoir Project. The GC discussed the 2014 State of the Platte Report and voted to support the conclusion that Short Duration High Flows (SDHFs) will not produce suitable nesting sandbars moving this study area to the "adjustment" phase of the adaptive management cycle. The GC members discussed whether to seek out additional palustrine wetland acres and/or off-channel sand and water (OCSW) acres, 2014 USFWS Tiered Consultations, an ice jam incident near the Shoemaker Island Complex, the Water Action Plan update, the Groundwater Pumping Pilot Project, the waterfowl hunting easement at Plum Creek Complex, and the NPPD Water Lease negotiations. The GC approved the following items: the breeding pair manuscript for publication, the revised PRRIP whooping crane monitoring protocol, the 2015-2019 whooping crane monitoring RFP (and appointed a selection panel), public access policy revisions, and the Platte River Recreational Access oversight contract extension. CWCB staff also participated in Technical Advisory Committee (TAC), Water Advisory Committee (WAC), Finance Committee (FC) and Land Advisory Committee (LAC) meetings. The next regular GC meeting will be held on September 8-9, 2015 in Kearney, NE. For more information, please visit:
<http://www.platteriverprogram.org/Pages/default.aspx>. (*Suzanne Sellers*)

~ WATER CONSERVATION AND DROUGHT PLANNING UPDATES ~

CWCB WATER EFFICIENCY GRANT FUND PROGRAM (WEGP) UPDATE—

Five grant applications were received since the May 2015 Director's Report

- Town of Windsor - Water Conservation Plan Update
- Town of Telluride - Toilet Replacement Project
- Little Thompson Water District - System Water Audit Project
- Town of Telluride - Irrigation Upgrade Project
- Colorado WaterWise - M36 AWWA Water Audit Training Pilot Project

Four grants have been approved since the May 2015 Board meeting

- City of Ouray - Water Measurement Plan
- City of Rifle - Water Conservation Plan Update
- Keystone Center - Water & Land Dialogue Phase 2
- Colorado WaterWise - M36 AWWA Water Audit Training Pilot Project

The following are deliverables sent to the CWCB since the last Board Meeting:

- Colorado WaterWise - Landscape Smart Phone App - 75% Progress Report
- Arapahoe County Water & Wastewater Authority - Water Conservation Plan Update -50% Progress Report
- The Keystone Center -Land & Water Dialogue - Final Report
- Colorado Water Innovative Cluster - NetZero Water Template - 75% Progress Report
- Southeastern CO Water Conservancy District - Water Conservation Plans/Toolbox Upgrade - Water Conservation Plans
(Ben Wade)

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

DROUGHT MANAGEMENT PLANS:

Plans in review

- Pagosa Area Water and Sanitation District - The District submitted a draft Drought Management Plan that the CWCB has reviewed and provided feedback on, they are working to incorporate CWCB comments.
- City of Evans - The City's Drought Management Plan will be submitted to the CWCB for approval once it receives city council approval. (Taryn Finnessey & Ben Wade)
- Town of Erie- The Town of Erie's Drought Management Plan is currently out for public comments and receiving a preliminary review from CWCB staff. (Taryn Finnessey)

WATER EFFICIENCY PLANS:

Approved Plans:

- Colorado Springs Utilities
- Denver Water
- Town of Carbondale

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.

- South Swink
- Town of Aspen
- Town of Las Animas
- Town of Basalt
- City of Greeley
- Roaring Fork Regional Water Efficiency Plan

Water Efficiency Plans in review

- Upper Arkansas Water Conservancy District
 - Mount Crested Butte
 - Skyland Metro District
- (Kevin Reidy & Ben Wade)

GOVERNOR’S WATER AVAILABILITY TASK FORCE— The next Water Availability Task Force meeting will be held on July 22, 2015 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)

DROUGHT UPDATE— A cool and wet May has eliminated drought conditions across much of Colorado. With 31 weather stations recording the wettest month ever, statewide May 2015 was the wettest May since record keeping began in 1895. In total much of the state experienced 300% of normal May precipitation. June temperatures have been slightly warmer than average and the short term forecast shows decreased likelihood of precipitation. However, the moisture in May and early June has resulted in greatly improved drought conditions compared to last month. With only a small portion of the state experiencing D0 or abnormally dry conditions. This is the first time since September of 2010 that the state does not have any D1-D4 drought classifications. Water providers are reporting full systems and below average demand compared to this time last year and reservoir storage statewide is at 107% of average. Due to an El Nino that is gaining strength, long term forecasts indicate that Colorado will likely see normal to above normal precipitation in the coming months, with some indication that the monsoon season may come early. (Taryn Finnessey)

WATER AND GROWTH DIALOGUE— Through a Water Efficiency Grant, the Keystone Center is facilitating a dialogue to quantify water use through different land use patterns as well as bringing together land use and water managers to discuss where integration can occur. Kevin Reidy is on the technical advisory group as well as the steering committee. The group is modeling runs using Denver Water’s water use data and running that through different land use pattern scenarios. Kevin Reidy is meeting with the modeling group to finalize the modeling runs in early July. Additionally, the project has received assistance from Ray Quay from the Global Institute of Sustainability for the scenario planning portion of the project. This will be happening as the modeling runs come in from Denver Water and Aurora Water. (Kevin Reidy)

AWWA M36 WATER LOSS STATEWIDE TRAINING PILOT PROGRAM— The CWCB is funding a pilot program for statewide water loss control trainings to be carried out by Colorado WaterWise (CWW). CWW has been approved for a water efficiency grant and will work with the Rocky Mountain Section of the AWWA and Cavanaugh and Associates. The trainings will center around the AWWA M36 methodology which is the standard for top down and bottom water system audits. Cavanaugh has a great track record for conducting statewide training efforts using the AWWA M36 Methodology for the State of Georgia. CWW will conduct six trainings in at least 5 basins with the plan to expand trainings to other parts of the state in the future. *(Kevin Reidy)*

INTERDROUGHT PROJECT SUMMER SCHOOL IN CZECH REPUBLIC— Taryn Finnessey presented at the InterDrought Project Summer School June 8-11 in Mikulov, Czech Republic. This summer school is a training put on by the InterDrought Project, a program of the Czech Science Foundation (GACR), a Czech Republic government agency. The summer school training consisted of three parts: lectures by key-note speakers, development of journal articles, and targeted meetings on pressing drought concerns for key-note speakers and invited senior scientists. Over the last 7 years Colorado has become internationally known for our innovative and comprehensive approach to drought planning and preparedness. We are unique in the United States and beyond for how we address this issue that affects the state nine out of every ten years. Colorado was the only presenter on drought planning to be invited to the school. The week provided a unique educational opportunity for Colorado to not only share our efforts with other counties but also to learn what they are doing on this topic. Both Europe and Australia have experienced severe and prolonged droughts in the last decade and have implemented innovative and collaborative solutions. Brazil is also experiencing severe drought. The summer school provided an opportunity for Colorado to learn from their experiences and gain additional insight into issues and approaches in order to further improve the Colorado system. *(Taryn Finnessey)*

COLORADO MUNICIPAL LEAGUE ANNUAL MEETING— Staff presented on the state's efforts on climate change at the Colorado Municipal League Annual Meeting in Breckenridge on June 18th. Most municipalities in attendance were relieved to learn of all the state's efforts and were generally supportive of our approach and activities. *(Taryn Finnessey)*

COLORADO CLIMATE PLAN— A draft of the Colorado Climate Plan was provided for stakeholder engagement from May 1-15th. Stakeholder comments are being incorporated in a revised version of the plan which will be delivered to the Governor later this summer. The goal of this document is to promote state policy recommendations and actions that help to decrease future impacts and increase Colorado's level of preparedness, while meeting the requirements of Colorado House Bill 13-1293. The major sectors of the state government are addressed, specific actions are called for, and policy recommendations are made. Because addressing climate change is best addressed collaboratively, this plan has been developed collectively by the Department of Natural Resources, the Colorado Department of Public Health and Environment, the Colorado Energy Office, the Colorado Department of Transportation, the Colorado Department of Agriculture, Department of Local Affairs, and the Office of Economic Development and International Trade. *(Taryn Finnessey)*

-WATERSHED AND FLOOD UPDATES-

FLOODPLAIN MAP MODERNIZATION/RISK MAP UPDATE—

FY15 Activities: Senate Bill 15-245 was recently approved for \$6.8 million to fund natural hazard mapping in Colorado. This will include floodplain, erosion zone, and debris flow mapping. A portion of the funding will also pay for the collection of data from Light Detection and Ranging (LiDAR) which is utilized in the mapping. The scope of work is being finalized and a Kick off meeting will be held in early July 2015.

FY14 Activities: A field assessment will be taking place in early July for an erosion study that will be conducted near the Town of Collbran in Mesa County. Survey work is underway for the Upper White (Rio Blanco County) Risk Map study. A First Order Approximate (FOA) or countywide approximate mapping, for El Paso County will begin shortly after the El Paso County DFIRM is in the preliminary phase. Other non-mapping projects funded by FEMA this year include conducting an inventory of the ongoing studies and other data in the post flood areas, developing a technical evaluation of flood forecasting methods using Risk Map products, and developing a model management system to store all available hydrologic and hydraulic models in the post-flood areas.

FY13 Activities: The El Paso County as a partial Countywide DFIRM is currently in the review process and is anticipated to go preliminary in July 2015. Purgatoire Watershed and Pueblo County also received additional FEMA funding to complete the mapping projects.

FY12 Activities: The grant for Purgatoire Watershed was funded through floodplain mapping. All tasks have been completed for this grant. A new grant was approved in 2013 to complete this project to effective. The field survey and hydrologic tasks were approved for the Cache La Poudre watershed project. The City of Fort Collins has provided local survey data to supplement the hydraulic model. The floodplain mapping is anticipated to be completed by the end of 2015.

FY11 Activities: Hydrology tasks for St. Vrain and Clear Creek watersheds have been completed and approved. The scope of work for the St. Vrain watershed will be revised to include areas that were impacted by the flood. Work on Sunshine Canyon is being completed but the rest of the project is on hold. Clear Creek Risk Map is in progress with the hydraulic analysis awaiting review from FEMA.

FY10 Activities: Chaffee and Pitkin Counties are now in the preliminary phase. A final meeting is scheduled for the end of June 2015 with Chaffee County to go over their preliminary maps. Logan County DFIRM appeal period has ended and the Letter of Final Determination (LFD) is scheduled to be distributed on July 20, 2015.

FY09 Activities: The Morgan County DFIRM has been converted to a seclusion project and will not include an update of the Wiggins levee. DFIRM database tasks have almost been completed and the preliminary mapping should be submitted to FEMA for review in the next few months.

The Prowers County DFIRM appeal period has ended and the LFD is scheduled to be distributed on July 20, 2015.

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

The Pueblo County DFIRM scope of work has been altered to a Seclusion DFIRM. The Pueblo County Arkansas River Levee floodplain study is in progress, finalization is still progressing. The Pueblo Levee Conservancy District has hired a consultant to assist in their levee certification process and District is working on resolving issues regarding the existing mural on the levee along the Arkansas River.

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

FY 06 Activities: Weld County completed the Appeal period in early December 2014. There no appeals to the project and anticipate moving forward with completing Weld County DFIRMs, which will go effective at the end of 2015. 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)

CWCB MOVING FORWARD WITH NRCS EWP AGREEMENT— The CWCB has been tasked by the Colorado Resiliency and Recovery Office (CRRO) to manage Phase II of the Emergency Watershed Program (EWP), administered federally by the Natural Resources Conservation Service (NRCS). As part of this program, the State of Colorado must manage the execution of the program under NRCS program guidelines. CWCB Flood Section staff will be managing this \$57 million program that will be used for stream restoration and other related functions eligible under the EWP program guidelines. The majority of this work will be administered in partnership not only with NRCS, but also with the recently established watershed coalitions in the areas affected by the September 2013 flood. It is anticipated that this will be a key program to meet a number of unmet needs projects that are currently unfunded. There is no cost to the CWCB for this program, but it will require significant staff time throughout its implementation. This program will run until mid-2018. For further questions, please contact Chris Sturm or Kevin Houck of the Watershed and Flood Protection Section. (Chris Sturm)

HUD COMMUNITY DEVELOPMENT BLOCK GRANTS- DISASTER RECOVERY (CDBG-DR) — Staff continues to work with the Department of Local Affairs (DOLA) to administrate CDBG-DR funds allocated for the Watershed Resiliency Program. CWCB and DOLA met to review applications for CDBG-DR funding to cover staff for watershed coalitions. Applications were submitted from the Coalition for the Poudre River Watershed, Estes Valley Watershed Coalition, Big Thompson River Restoration Coalition, Little Thompson Watershed Restoration Coalition, Left Hand Watershed Oversight Group, St. Vrain Creek Coalition, Middle South Platte River Alliance, Coal Creek Canyon Watershed Partners, Fourmile Watershed Coalition, and the El Paso County Regional Watershed Collaborative. All watershed coalitions requested funding for full time watershed coordinators, and all but two coalitions requested additional funding for program assistants. All of the applications received full funding to support the staff positions. CWCB and DOLA will match CDBG-DR funds with other state funds to cover expenses

incurred for grant writing, fundraising, and fiscal administration of the grants. CWCB will use funds from the Colorado Watershed Restoration Program as match. Coordinators have been hired for the Big and Little Thompson Coalitions and the Fourmile Coalition. The other coalitions are making offers to potential candidates.

CDBG-DR Watershed Resiliency Program grant applications for project implementation were due on March 16th. Each watershed submitted applications for demonstration projects. The funding limit was \$300,000. The demonstration projects will help the coalitions understand river restoration methodologies, associated public outreach, and the nuances of contracting CDBG-DR grants with the State. The next implementation round will release funding for multi-million dollar projects. The application deadline is being discussed, but staff believes it will be near the end of 2015. (*Chris Sturm*)

COMMUNITY ASSISTANCE PROGRAM UPDATES— The Colorado Water Conservation Board and Federal Emergency Management Agency have developed a training workshop to provide information to communities about how to build stronger and minimize damage from natural disasters. The topics covered will include floodplain regulations, hazard identification, and methods and practices for reducing flood damages. The workshop will be presented on July 14th in Del Norte. A Certified Floodplain Manager exam will be held at the CWCB office on July 9th. (*Jamie Prochno*)

CHATFIELD DOWNSTREAM CHANNEL UPDATE— The CWCB owns and maintains four miles of the South Platte River as a flood control project just downstream of Chatfield Reservoir. The South Platte Working Group (SPWG) was formed to coordinate and fund projects that include Sheridan, Littleton, Englewood, Arapahoe County, the CWCB, and Urban Drainage and Flood Control District in 2007. Since then, twenty projects totaling \$20M have been funded in the southwest metro area through this reach.

The focus in the current second phase of SPWG started in 2011 is implementing projects with a balance of flood, environmental, and recreational objectives. This concept was approved by the Board in 2012. There is a submittal into the Corps called “River Run”, which is near Hampden Avenue upstream of the Bear Creek confluence. When constructed, River Run will include a large river amphitheater area, a park with a trailhead, and a series of new drop structures to complement the existing seven drops at Union Avenue. The concept is similar to Confluence Park in downtown Denver where the South Platte River and Cherry Creek have become a focal point for economic development and river engagement.

Tom Browning, the City of Sheridan, Merrick and Company (also known as McLaughlin White Water), and the Urban Drainage and Flood Control District, met with the Omaha Flood Readiness Branch and Colonel Cross in early June. The meeting was to discuss the recent project denial for River Run and the steps needed to move forward. A key issue involves woody vegetation in the channel, despite a hydraulic model indicating no additional flood threat will be created. The Corps will not approve this vegetation, and therefore, staff’s and the stakeholders’ plan is to keep the project as originally planned and remove all vegetation in the overbanks, banks, and in-channel. The Project is being resubmitted in July 2015 without vegetation based on the June meeting in Omaha.

SPWG was hoping to begin construction in October 2015; without Corps approval this may not be possible and as a result, grants from GOCO and Open Space and Trails may have to be forfeited. The Project planning, design, and construction is predominantly funded by the SPWG. Staff members Joe Busto, Kevin Houck, and Tom Browning will continue working with UDFCD, the Corps of Engineers, and project consultants on creative solutions for project approval that meets local, state, and federal needs. (*Joe Busto*)

~AGENCY UPDATES~

RECENTLY DECREED ISF WATER RIGHTS— On May 20, 2015, the Division 4 Water Court decreed an instream flow water right to the CWCB on Ute Creek in Case No. 4-14CW3099 for 2.0 cfs (4/1-6/15), and 0.3 cfs (6/16-3/31), with an appropriation date of January 28, 2014. The upstream terminus is the headwaters and the lower terminus is the confluence with West Creek. This ISF reach is approximately 7.87 miles long and flows in a northwesterly direction through parts of Mesa County.

On May 26, 2015, the Division 4 Water Court decreed an instream flow water right to the CWCB on Granite Creek in Case No. 4-14CW3095 for 2.7 cfs (4/1-6/30), and 0.5 cfs (7/1-3/31), with an appropriation date of January 28, 2014. The upstream terminus is the confluence with two unnamed tributaries and the lower terminus is the Colorado-Utah state line. This ISF reach is approximately 5.79 miles long and flows in a southwesterly direction through parts of Mesa County

On May 26, 2015, the Division 4 Water Court decreed an instream flow water right to the CWCB on Oh Be Joyful Creek in Case No. 4-14CW3098 for 3.0 cfs (4/1-4/30), 14.0 cfs (5/1-7/15), and 3.0 cfs (7/16-8/15), with an appropriation date of January 28, 2014. The upstream terminus is the confluence with an unnamed tributary and the lower terminus is the confluence with the Slate River. This ISF reach is approximately 1.66 miles long and flows in an easterly direction through parts of Gunnison County. This right is in addition to an existing instream flow right on Oh Be Joyful Creek decreed in Case No. 4-80CW093A in the amount of 3.0 cfs (1/1-12/31), with an appropriation date of 3/17/1980.

On June 7, 2015, the Division 5 Water Court decreed an instream flow water right to the CWCB on Beaver Dam Creek in Case No. 5-14CW3147 for 0.9 cfs (5/1-8/31), 0.35 (9/1-10/31), and 0.14 cfs (11/1-4/30), with an appropriation date of January 28, 2014. The upstream terminus is the headwaters and the lower terminus is the confluence with East Divide Creek. This ISF reach is approximately 1.6 miles long and flows in a northwesterly direction through parts of Mesa County.

On June 8, 2015, the Division 4 Water Court decreed an instream flow water right to the CWCB on East Creek in Case No. 4-14CW3092 for 1.6 cfs (3/15-5/31), with an appropriation date of January 28, 2014. The upstream terminus is the East Creek Ditch headgate and the lower terminus is the confluence with the Gunnison River. This ISF reach is approximately 0.37 miles long and flows in a northeasterly direction through parts of Mesa County.

On June 8, 2015, the Division 4 Water Court decreed an instream flow water right to the CWCB on the Slate River in Case No. 4-14CW3097 for 45 cfs (5/1-7/15), with an appropriation date of January 28, 2014. The upstream terminus is the confluence with Oh Be Joyful Creek and the lower terminus is the confluence with Coal Creek. This ISF reach is approximately 5.63 miles long and flows in a southeasterly direction through parts of Gunnison County. This right is in addition to an existing instream flow right on the Slate River decreed in Case No. 4-80CW092B in the amount of 10 cfs (12/1-3/31), and 20 cfs (4/1-11/30), with an appropriation date of 3/17/1980.

On June 22, 2015, the Division 4 Water Court decreed an instream flow water right to the CWCB on the Slate River in Case No. 4-14CW3096 for 30 cfs (5/1-7/15), with an appropriation date of January 28, 2014. The upstream terminus is the confluence with Poverty Gulch and the lower terminus is the confluence with Oh Be Joyful Creek. This ISF reach is approximately 3.69 miles long and flows in a southeasterly direction through parts of Gunnison County. This right is in addition to an existing instream flow right on the Slate River decreed in Case No. 4-80CW092A in the amount of 8.0 cfs (12/1-3/31), and 15 cfs (4/1-11/30), with an appropriation date of 3/17/1980. (*Rob Viehl*)

WITHDRAWALS OF NOTICES TO CONTEST PENDING INSTREAM FLOW APPROPRIATIONS— On May 29, 2015, Bowie Resources, LLC withdrew its Notice to Contest the pending instream flow appropriations on Terror Creek (both reaches) and Hubbard Creek. On June 26, 2015, after meeting with CWCB staff and the Attorney General’s Office on June 24, the Ragged Mountain Water Users Association, North Fork Water Conservancy District and the Overland Ditch and Reservoir Company withdrew their Notice to Contest the pending instream flow appropriations on Hubbard Creek, Terror Creek (both reaches), and Schaefer Creek. Because all notices to contest have been withdrawn, Staff intends to request the Board to take final action on the Hubbard Creek and Schaefer Creek instream flow appropriations at the September CWCB meeting. As of this date, the Terror Ditch and Reservoir Company is the only remaining contesting party to the Terror Creek appropriations. *(Linda Bassi)*

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**Director's Report Attachment – July 15-16, 2015 CWCB Meeting
Stream and Lake Protection Section De Minimis Cases**

The following table summarizes applications that have the potential to injure the Board's instream flow water rights, but the impact is considered de minimis. In these cases, the cumulative impact to the Board's right is less than 1%. Pursuant to ISF Rule 8(e) (the de minimis rule), staff has not filed a Statement of Opposition in these cases and has provided the required notification to the Division Engineers and applicants.

Case No.	Applicant	Stream/ Case Number	ISF Amount	Percent Injury	Cumulative % Injury	Previous Cases
2-96CW017	Mark Meyer	Cottonwood Creek/ 2-79CW115	20 cfs (summer) 20 cfs (winter)	0.00118 % 0.00021 %	0.66256 % 0.31314 %	162
2-96CW017	William Henry & Joanne Letko	Cottonwood Creek/ 2-79CW115	20 cfs (summer) 20 cfs (winter)	0.00118 % 0.00021 %	0.66374 % 0.31335 %	163
4-15CW3011	Lynne F. La Corte	Uncompahgre River/ 4-98CW222	65 cfs (summer) 20 cfs (winter)	0.25538 % 0.06062 %	0.28462 % 0.11960 %	4

**July 15-16, 2015 Board Meeting
Instream Flow and Natural Lake Level Program
Summary of Resolved Opposition Cases**

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

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; the Director has authorized the Attorney General's Office to enter into stipulations that protect the CWCB's water right(s).

(1) Case No. 1-11CW265 - Application of the City of Fort Collins

The Board ratified this statement of opposition at its March 2012 meeting. This case was set for a 7-day trial beginning on June 29, 2015. The Board authorized staff to proceed to trial if necessary at its May 2015 Board meeting.

The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicant's proposed changes of water rights do not injure the Board's instream flow water rights by expansion of use. The identified location of use includes the Fort Collins service area and other undetermined areas; therefore, the extent of potential injury to ISF water rights could not be determined. The CWCB holds many ISF water rights on the Cache la Poudre River and its tributaries that could have been injured by this application.

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.

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

- To resolve an issue raised by the Colorado Water Conservation Board concerning the historical return flow component of the Subject Shares, when there is no call on the Cache La Poudre River or the South Platte River or their tributaries from a decreed water right located below the accrual location of the historical return flow, but the instream flow water rights owned by the Colorado Water Conservation Board decreed in Case Nos. 85CW419, 85CW422, and 85CW425 are calling for water, Fort Collins will replace its return flow obligations in time, location, and amount in accordance with the requirements of this decree. If the above replacement conditions are not present, Fort Collins will not be required to replace the return flow obligation, but will account for the return flows that are not replaced as water retained under free river operations, pursuant to the requirements of paragraph 36.2.
- The undetermined place of use is limited to the places referred to in the Fort Collins-WSSC Agreement, the Three Way Agreement, and the revised joint operations plan of Fort Collins, WSSC, and Greeley dated March 22, 1995.

- No claim for approval of an augmentation plan was made in this case, and no augmentation plan is decreed herein.
- Dominion and control, and Fort Collins' reuse, successive use, full consumption, and disposition to extinction of water from the Subject Shares that is discharged to the stream system after collection and treatment through the Fort Collins wastewater system or as subsurface returns resulting from outdoor use within the Fort Collins service area will be accomplished and accounted for pursuant to the quantification methodology set forth in **Exhibit B** ("Quantification Methodology"). Disposition not so authorized [in this decree] must be made in accordance with a decree that authorizes the use, or pursuant to a substitute water supply plan approved under C.R.S. §37-92-308 or interruptible water supply agreement approved under C.R.S. §37-92-309, or successor statutes.

(2) Case No. 3-13CW3002 - Application of Santa Maria Reservoir Company

The Board ratified this statement of opposition at its May 2013 meeting. The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicant's proposed changes of water rights do not injure the Board's instream flow water rights on North Clear Creek and Clear Creek by expansion of use. Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCB's instream flow water rights will not be injured.

The 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
3-83CW47	North Clear Creek	1/9	8/16/1982	Rio Grande	Mineral, Hinsdale
3-83CW51	Clear Creek	5/10	8/16/1982	Rio Grande	Mineral

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

- CWCB and the Company agree that if the SMRC Water Rights changed herein are used for the replacement of stream depletions from non-agricultural uses, then the quantity of the SMRC Water Rights to be used for such nonagricultural purposes will only be exchanged between Santa Maria, Continental, and/or Rio Grande Reservoirs under the November 29, 1995 decree in Case No. 90CW42, at times when the CWCB's instream flow water rights ("ISF") on: (1) North Clear Creek, decreed on April 27, 1984, in Case No. 83CW47; (2) Clear Creek, decreed on April 27, 1984, in Case No. 83CW51; or (3) the Rio Grande, decreed on April 27, 1984, in Case No. 83CW40, depending on which of the exchanges are being operated, are met and operation of such exchanges will not result in a reduction of stream flows below the decreed ISF amounts. For purposes of this decree, agricultural purposes includes, but not by way of limitation, stock watering, incidental on-farm domestic use, aquifer recharge, and augmentation (replacement of injurious depletions) of such uses, and storage in connection with such uses. The Company will separately account for the quantity of SMRC Water Rights used for non-agricultural purposes. By agreeing to this term and condition in this decree, the Company does not waive the right to claim, in any future judicial, administrative, or other proceeding, that nonagricultural use of the SMRC

Water Rights is subject to the subordination provided for in the March 10, 1983 Stipulation and Agreement between the CWCW and the Rio Grande Water Users Association, or any amendments to that Stipulation.

(3) Case No. 4-14CW024 - Application of Tsawhawbitts Meadows Ranch Trust

The Board ratified this statement of opposition at its July 2014 meeting. The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicant's claims for senior appropriation dates do not injure the Board's instream flow water rights on Tabeguache Creek. Applicant withdrew its case without prejudice on May 20, 2015.

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

CWCW Case No.	Stream/Lake	Amount (cfs)	Approp. Date	Watershed	County
4-10CW186	Tabeguache Creek	4.75	1/26/2010	San Miguel	Montrose

(4) Case No. 5-07CW256 - Application of Clear W Ranch, LLC

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 implied change of water rights of the McKenzie-Wildcat Ditch water rights do not injure the Board's instream flow water rights on Snowmass Creek and the Roaring Fork River. Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCW's instream flow water rights will not be injured.

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

CWCW Case No.	Stream/Lake	Amount (cfs)	Approp. Date	Watershed	County
5-76W2943A-B	Snowmass Creek	7/12 and 12/11	1/14/76	Roaring Fork River	Pitkin
5-92CW280-281	Snowmass Creek	3 and 10.5	9/15/85	Roaring Fork River	Pitkin
5-85CW646	Roaring Fork River	55/30	11/8/85	Roaring Fork River	Pitkin, Eagle
5-85CW639	Roaring Fork River	145/75	11/8/85	Roaring Fork River	Pitkin, Eagle, Garfield

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

- Applicant has clarified its claims in the proposed decree.
- Clear W Ponds A & B are on-channel and off-channel, respectively, and are groundwater ponds that will serve as irrigation control structures for the McKenzie Wildcat Ditch direct flow irrigation rights. Under free-river conditions, these ponds

may store surface water diverted from East Snowmass Creek and an unnamed tributary to Wildcat Creek.

- Those surface water diversions shall not be augmented and shall not occur when free-river conditions do not exist. Measuring devices shall be installed at the locations shown in Figure 2 to fully account for the amount of water entering and exiting the ponds in order to ensure all depletions are properly accounted for and to ensure Clear W Pond A does not intercept return flows from ongoing irrigation under Applicant's existing McKenzie-Wildcat Ditch irrigation right. All out-of-priority evaporative depletions from both ponds will be replaced pursuant to the augmentation plan described in this decree.
- Clear W Ponds C & D will not be connected to Clear W Ponds A or B. When physically and legally available, the consumptive use credits changed here may be stored in Clear W Pond C & D to replace water lost to evaporation or prior releases from the pond. No additional storage shall be allowed, depletions from evaporation from these two ponds will not be replaced and pond levels will drop accordingly when the McKenzie Wildcat Ditch - Clear W Enlargement is out of priority and no historical consumptive use credits are available for storage in the pond. Clear W Pond C & D will be used as augmentation sources pursuant to the augmentation plan decreed here.
- All out-of-priority groundwater depletions shall be fully augmented. Applicant shall cease any other out-of-priority diversions that Applicant cannot or does not fully augment.
- Whenever a valid call that is recognized and administered by the Division Engineer occurs on Snowmass Creek or on the Roaring Fork River between the confluences of the Roaring Fork River with Snowmass Creek and the Colorado River that cannot be satisfied with BWCD augmentation water releases, Applicant will rely on a combination of the bypass of consumptive use credits from the dry-up of lands historically irrigated by the McKenzie-Wildcat Ditch and releases of on-site storage water to replace out-of-priority evaporation and precipitation capture from Clear W Ponds A and B and out-of-priority well depletions and to properly maintain return flows. See Table 4. Applicant will maintain return flows by first bypassing consumptive use credits as shown in Figure 2, measurement (h). When additional releases are required to maintain return flows, Applicant will release water from Clear W Ponds C and/or D, as shown in Figure 2, measurement (g).

(5) Case No. 5-14CW3027 - Application of POWDR - Copper Mountain and The United States of America

The Board ratified this statement of opposition at its July 2014 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 exchange do not injure the Board's instream flow water rights on West Tenmile Creek and Tenmile Creek by not replacing depletions in the amount, location and timing at which they occur. 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
5-86CW215	West Tenmile Creek	3/5	3/14/1986	Blue	Summit
5-86CW205	West Tenmile Creek	2/5	3/14/1986	Blue	Summit
5-86CW209	Tenmile Creek	7/10	3/14/1986	Blue	Summit

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

- Water released from Clinton Gulch Reservoir to replace out-of-priority depletions shall be assessed reasonable transit losses by the Division Engineer based on conditions existing at the time. Said releases will be diverted at the Tenmile Creek Pipeline on Tenmile Creek and delivered to the West Lake Well from which they will be discharged to West Tenmile Creek. The diversion from Tenmile Creek to West Lake Well will be through a closed pipeline and will not have any transit losses associated with these deliveries from Tenmile Creek to the West Lake Well. Thus, the amount of augmentation water delivered to West Tenmile Creek will be considered equivalent to the measured diversion into the Tenmile Creek Pipeline.
- Powder - Copper Mountain will measure and record the amount of water delivered into West Lake Well from the West Lake Pipeline No. 1 and Wheeler Gulch Pipeline and the amount returned to West Tenmile Creek.
- Upon approval from the Division Engineer, augmentation deliveries may be aggregated and made on a weekly or monthly basis and allocated on a daily time-step within the accounting for the Copper Mountain CB-2 Well.

(6) Case No. 5-14CW3122 - Application of Tiger Run Owners Association

The Board ratified this statement of opposition at its January 2015 meeting. The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicant's proposed operations do not cause injury to instream flow water rights on the Blue and Swan Rivers by an expansion of use or inadequate maintenance of return flow obligations. 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
5-86CW217	Blue River	16/32	3/14/1986	Blue	Summit
5-86CW204	Blue River	10/20	3/14/1986	Blue	Summit
5-86CW223	Swan River	6	3/14/1986	Blue	Summit

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

- A table providing the maximum monthly amount of diversions and consumptive use credit available under the Blue Danube Ditch No. 2 water rights changed in this claim and diverted at the new points of diversion is included in the decree. Applicant will be limited to diverting the Blue Danube Ditch No. 2 water rights at the new points of diversion between May 1 and September 17 of each year. Monthly depletions may vary, but only within the ranges provided in the table. The depletion amounts shall not be aggregated in a manner that will exceed the ranges in the table, which reasonably represents the pattern of historic consumptive use of the Blue Danube Ditch No. 2 water right.
- All wells within the Tiger Run - Blue River Well Field and Tiger Run - Swan River Well Field are limited to production from within the stream alluvium within 100 feet of the live stream such that the wells can be curtailed as if they are surface structures.
- Applicant will not divert any of the Blue Danube Ditch No. 2 water right at the new points of diversion decreed herein when the CWCB's instream flow water rights on the Swan River, decreed in Case No. 86CW223, and on the Blue River, in Case Nos. 86CW204 and 86CW217, are not satisfied in the reach between the Blue Danube Ditch No. 2 original point of diversion and the new points of diversion decreed herein.

(7) Case No. 6-13CW3034 - Application of Imago Enterprises Inc.

The Board ratified this statement of opposition at its March 2014 meeting. The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicant's claims of senior appropriation dates and proposed change of water rights do not injure the Board's instream flow water rights on Elk River by expansion of use. Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCB's instream flow water rights will not be injured.

The 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
6-77W1279	Elk River	65	9/23/1977	Upper Yampa	Rout
6-77W1331	Elk River	65	9/23/1977	Upper Yampa	Rout

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

- Water stored in Westland Pond No. 1 shall not be used for augmentation purposes unless and until such use is approved by the Water Court in a plan for augmentation or by the State Engineer in a substitute water supply plan.
- The CWCB holds decreed instream flow water rights on 1) Elk River for 65 cfs, year-round, from the confluence with the North Fork to the confluence with Rock Creek,

decreed in Case No. 6-77W1279 with a 9/23/77 appropriation date; and 2) Elk River for 65 cfs, year-round, from the confluence with Rock Creek to the confluence with the Yampa River, decreed in Case No. 6-77W1331 with a 9/23/77 appropriation date.

- Under C.R.S. § 37-92-102(3)(b) (2014), by agreement with the CWCB, and in recognition of Applicant's existing water uses and practices occurring at the time of the appropriations of the Elk River instream flow rights, Applicant may divert and store in the Westland Pond No. 1 up to 3.03 AF for recreation, aesthetics, and piscatorial uses, with the right to fill and refill continuously, regardless of the amount of flow present in the Elk River instream flow rights. Any diversions over these volumetric limitations or uses that are different than those uses that existed at the respective appropriation dates for the Elk River instream flow rights, such as augmentation, are subject to administration during an instream flow call.
- The subordination of the Elk River instream flow water rights to the Applicant's Westland Pond No. 1 water rights, as described above, will not interfere with the administration of the Elk River instream flow rights in priority as against other water rights, and will not result in general subordination of the CWCB's Elk River instream flow water rights to any other junior water rights. While the CWCB's Elk River instream flow rights are, under C.R.S. § 37-92-102(3)(b), subject to the Applicant's uses and volumetric limitations described above for the Westland Pond No. 1, the water rights approved in this decree will be administered subject to the prior appropriation system in relation to all other water rights.



COLORADO

**Colorado Water
Conservation Board**

Department of Natural Resources

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John Hickenlooper, Governor

Mike King, DNR Executive Director

James Eklund, CWCB Director

TO: Colorado Water Conservation Board Members

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

DATE: July 15-16, 2015 Board Meeting

DIRECTORS REPORT: Water Project Loan Program
Interest Rates

Introduction

The CWCB establishes interest rates bi-monthly for the Water Project Loan Program (per Financial Policy #7).

The current rates for a 30-year term are as follows:

- 1.65% - Agricultural
- 2.30% - Low-income Municipal
- 2.65% - Middle-income Municipal
- 3.00% - High-income Municipal
- 6.00% - Commercial
- 2.00% - Hydroelectric

The rates can also be found on the CWCB web site under the “Loans and Grants” tab.
These rates will be applicable for loans presented at this Board meeting.





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John Hickenlooper, Governor

Mike King, DNR Executive Director

James Eklund, CWCB Director

TO: Colorado Water Conservation Board Members

FROM: Anna Mauss, P.E., Marketing
Finance Section

DATE: July 15-16, 2015 Board Meeting

DIRECTORS REPORT: Water Project Loan Program
Prequalified Project List and Loan Prospect Summary

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						
Orchard Ranch Ditch Company	Ditch Piping Project	May 1, 2015	Gunnison	The project is a salinity control project that includes piping 1.6 miles of canal. The company hopes to fund \$1M of the project through Bureau of Reclamation Salinity Control Program funds.	\$1,100,000	\$250,000
Totals					\$1,100,000	\$250,000

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					
	14-Nov	NISP Participants	NISP		\$300,000,000
	14-Dec	Harry Lateral Ditch Company	Ditch Lining Project		\$70,000
	14-May	Colorado Trout Group	Reservoir Rehabilitation		\$300,000
	14-Jun	Dixon Reservoir Water Company	Reservoir Rehabilitation		\$300,000
	14-Nov	Kembel Reservoir	Reservoir Rehabilitation		\$200,000
	14-Dec	Upper Platte & Beaver Ditch Company / Duel & Snyder Ditch Company	Diversion Structure		\$1,000,000
	14-Dec	Bijou Irrigation District	Reservoir Rehabilitation		\$500,000
	14-Dec	Bijou Irrigation Company	Pipeline Project		\$200,000
	15-July	Water Supply and Storage Company	Tunnel Work		\$1,000,000
				TOTAL	\$303,270,000
Arkansas					
	12-Feb	Colorado City Metro District	Beckwith Dam Repair		\$500,000
	13-Apr	City of Walsenburg	Reservoir(s) Rehabilitation		\$6,000,000
	13-Dec	Stonewall Springs, LLC	Reservoir Construction	\$6,000,000	\$5,500,000
	14-Feb	Colorado Springs Flycasting Club	Reservoir Rehabilitation		\$450,000
	14-Oct	Oxford Ditch	Siphon Repair	\$2,000,000	\$1,800,000
	14-Dec	Holita Ditch and Reservoir Company	Reservoir Rehabilitation		\$500,000
	14-Nov	Town of Manitou Springs	Raw Water Pipeline	\$3,500,000	\$3,000,000
	15-Jan	Southeastern Colorado Water Conservancy District	Hydro Project		\$15,000,000
	15-Jan	Fort Lyon Canal Company	Siphon Repair	\$2,000,000	\$1,800,000
	15-Apr	Fountain Creek Watershed District	Water Rights Purchase	\$3,000,000	\$1,000,000
				TOTAL	\$35,550,000
San Miguel/Juan					
	14-July	Moonlight Ditch	Ditch Lining (NRCS)		\$200,000
				TOTAL	\$200,000
Colorado					
				TOTAL	\$0

Gunnison					
				TOTAL	\$0
North Platte					
	15-July	Private borrower	Reservoir Rehabilitation	\$1,000,000	\$500,000
				TOTAL	\$500,000
Rio Grande					
	13-Jun	Manasa Land & Irrigation Co.	Ditch Rehabilitation		\$6,000,000
	14-May	Baca Grande Water and Sanitation District	Water Rights Purchase		\$1,000,000
				TOTAL	\$7,000,000
Yampa					
	15-Apr	Town of Oak Creek	Reservoir Rehabilitation		\$500,000
				TOTAL	\$500,000
TOTAL					\$347,020,000

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

Recent inquiries:

Brighton Ditch - Diversion Structure Repair

Town of Saguache - Ditch Project

Town of Fowler - Augmentation Project

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TO: Colorado Water Conservation Board Members**FROM:** Kirk Russell, P.E., Finance Section Chief**BOARD MEETING:** July 14-17, 2015**DIRECTORS REPORT:** Water Project Loan Program
Design & Construction Status Report

The CWCB Loan Program has Substantially Completed seventeen (17) projects in Fiscal Year 2014-2015 as shown in Table 1. There are currently sixty-two (62) projects authorized to receive loan funding totaling \$279 million. There are fifty-three (53) projects currently under contract and in the Design and Construction phase totaling \$122 million. There are an additional twenty (20) Emergency Loans approved totaling \$22.6 million shown under a separate report.

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

TABLE 1

	Borrower	Project	County	Loan	Complete
1	Missouri Heights- Mountain Meadows Irrigation Co.	Irrigation Ditch Lining Project	Eagle/ Garfield	\$454,500	7/1/14
2	Boulder & Left Hand Irr. Co.	Tracy Lateral Pipeline	Boulder	\$202,000	7/1/14
3	Fisher Ditch Company	Ditch Infrastructure Project	Denver	\$454,500	7/1/14
4	Petrocco Family, LLP	Water Rights Purchase	Adams/Weld	\$840,825	10/1/14
5	Lamar, City of	Water Transmission Line Project	Prowers	\$792,850	10/1/14
6	TriCounty Water Cons. Dist.	Ridgway Res. Micro-Hydro Proj	Ouray	\$13,130,000	10/1/14
7	Roxborough W&S District	Raw Water Supply Project	Douglas	\$18,538,550	12/1/14
8	Mancos WCD	Inlet & Outlet Canal Rehab.	Montezuma	\$5,486,531	1/1/15
9	Lone Cabin Ditch & Res. Co.	Lone Cabin Dam Rehab. Proj.	Delta	\$252,803	2/1/15 (a)
10	Parker Water & San. District	WISE - ECCV Pipeline Purchase	Douglas	\$4,426,830	2/1/15
11	Denver SE Sub. W&S District	WISE - ECCV Pipeline Purchase	Douglas	\$1,845,270	2/1/15
12	Joseph W. Bowles Res. Co.	Bowles No. 1 Dam Rehab.	Jefferson	\$1,703,870	3/1/15 (b)
13	Town of Dillon	Old Dillon Res. Enlargement	Summit	\$1,515,000	4/1/15
14	Farmers' High Line Canal & Reservoir Company	System Rehabilitation Project	Adams/ Jefferson	\$2,209,597	5/1/15
15	Platte Valley Irrigation Co.	Lake Outlet Works Rehab.	Weld	\$745,380	5/1/15 (c)
16	Sterling Irrigation Company	Emergency Ditch Rehabilitation	Logan	\$101,000	5/1/15
17	Terrace Irrigation Company	Spillway Replacement Project	Conejos	\$2,751,968	6/6/15 (d)
			Total:	\$51,085,336	

Fiscal Year 2014-2015 has added or preserved 2,672AF of reservoir storage [(a) 163AF, (b) 109, (c) 400, (d) 2000]



Missouri Heights – Mountain Meadow Irrigation Company Irrigation Ditch Lining Project



Project Description

The Company provides irrigation water to approximately 1,500 acres of ranch land located 12 miles northeast of Carbondale. The Company worked with NRCS to determine a solution to the ditch losses. A one-mile section was lined with a product called Mega Ditch (shown in the picture above). The NRCS provided technical design assistance and field inspection. The Company received funding assistance from NRCS and the Water Supply Reserve Account. Construction was completed in the spring of 2014.

Project Data

Sponsor: Missouri Heights – Mountain Meadow Irrigation Company

County: Eagle/Garfield

Water Source: Roaring Fork

Terms of Loan: \$454,500 for 30 years @ 2.2%

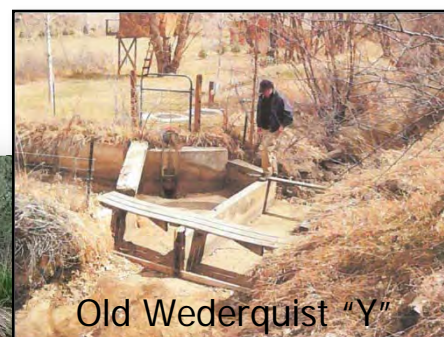
Substantial Completion: July 1, 2014

Design Engineer: NRCS, Glenwood Spring, CO

Contractor: Kuersten Constuction Co, Rifle CO

Project Elements: 3,500 feet of Mega Ditch lining product and concrete terminus structures

Boulder and Left Hand Irrigation Company Tracy Lateral Pipeline at the Wederquist “Y” Project



Project Description

The Boulder and Left Hand Irrigation Company is a Mutual Ditch Company and Non-Profit Corporation. The Irrigation Company acquired Boulder and Left Hand Ditch Company in 1921, which had operated the ditch system since 1873. The Irrigation Company serves approximately 2,000 acres of farm land between Boulder, CO and Longmont, CO. The Tracy Lateral Pipeline at the Wederquist “Y” project will improve the hydraulic efficiency of the Tracy Lateral while reducing the operational and maintenance cost of the Irrigation Company by replacing a 1500 ft problem section of the Tracy Lateral with a pipeline. Construction occurred in the spring of 2014.

Project Data

Sponsor: Boulder and Left Hand
Irrigation Company

County: Boulder

Water Source: Boulder Creek

Terms of Loan: \$202,000 for 30 years @ 2.35%

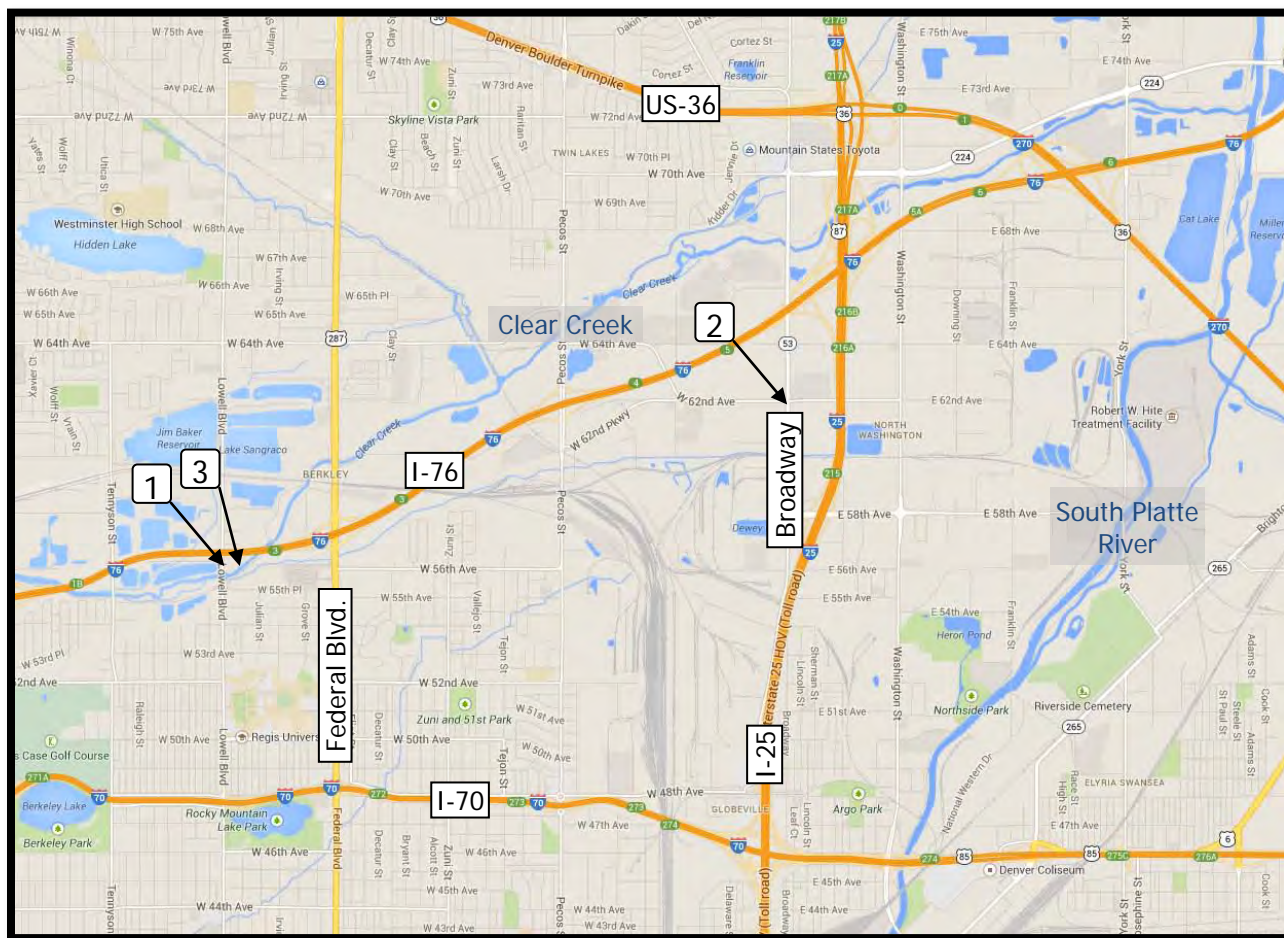
Substantial Completion: July 1, 2014

Design Engineer: Mark Severin, P.E., Deere & Ault Consultants

Contractor: DeFalco Construction

Project Elements: Install a new Wederquist “Y” structure, replace 1,500 feet of open ditch with 600 feet of reinforced concrete pipe, tying into existing piping.

Fisher Ditch Company Ditch Infrastructure Improvements



Project Description

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 requested a loan from the CWCBC for four system rehabilitation tasks: 1) headgate rehabilitation, 2) replacement of 650 LF of damaged CMP with RCP (Broadway Pipeline), 3) installation of a sand-out pipe and gate, and 4) burying 1,500 LF of open ditch with plastic irrigation pipe (Federal Pipeline). The Company successfully completed Tasks 1-3 but ultimately decided to not pursue the Federal Pipeline Project as that project was the Company's lowest priority.

Project Data

Sponsor: Fisher Ditch Company

County: Denver

Water Source: Clear Creek

Terms of Loan: \$110,780.84 for 30 years @ 5.95%

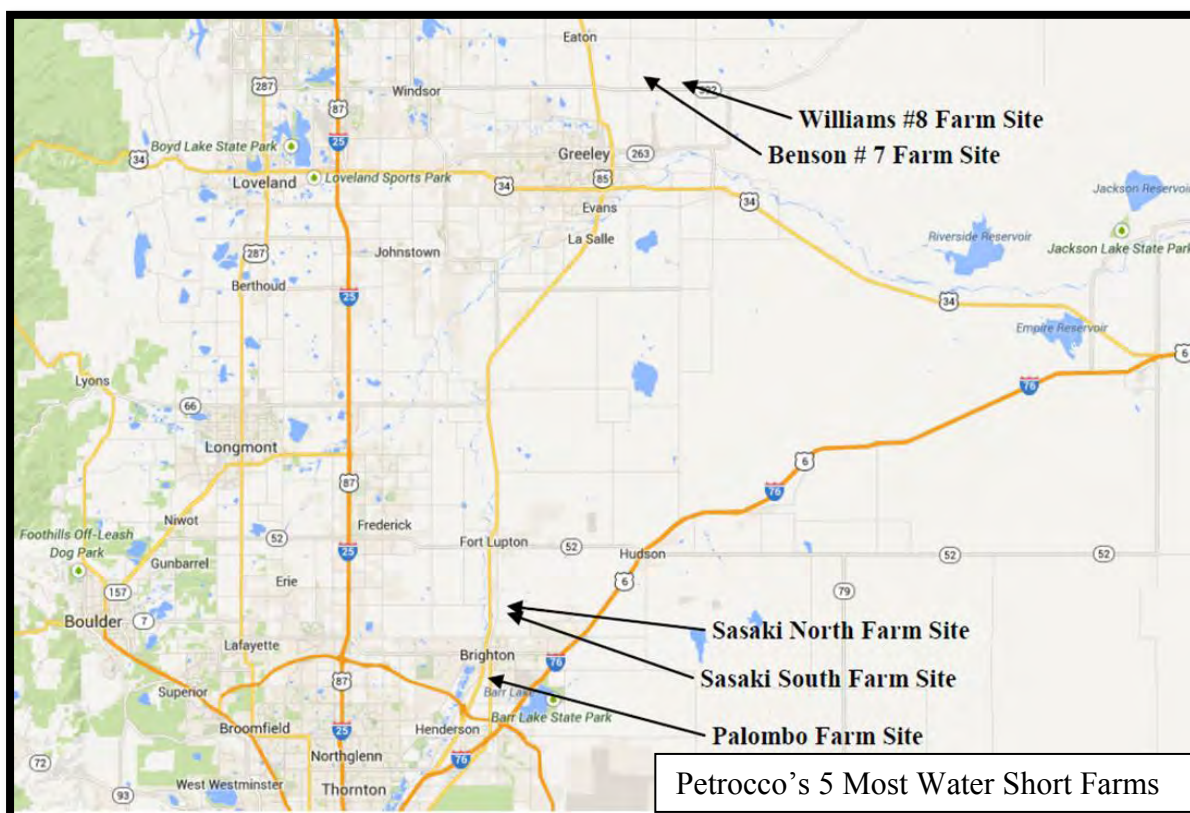
Substantial Completion: July 1, 2014

Design Engineer: Richard Belt, P.E.

Contractor: Lillard & Clark (Task 1 & 3); Garney Companies, Inc (Task 2)

Project Elements: Repair Fisher Ditch headgate, install sand-out gate and pipeline, replace 650 LF of damaged CMP with RCP.

Petrocco Family Limited Partnership Water Rights Purchase



Petrocco Family Limited Partnership is a family owned and operated produce business located in Brighton, CO and has been in operation since 1916. Its operations currently include farming approximately 2,600 acres in western Adams and Weld counties. This area extends from the home offices south of Brighton, north along the U.S. Highway 85 corridor approximately 25 miles to an area east of Lucerne. The Petrocco Family Limited Partnership holds ownership of land, water, buildings, and equipment assets for the farming operation. The farms are water short when it comes to providing water to irrigate its 2,600 acres of farmland. In wanting to maintain its long term family business goals and to provide a more reliable water supply for its future farming operations, the Partnership has initiated a program of purchasing land and water shares, when available, from ditch and irrigation companies adjacent to its owned and leased farms. The water rights to be purchased from this loan are expected to provide an additional average annual yield of 261 acre-feet across 5 farm sites.

Project Data

Sponsor: Petrocco Family Limited Partnership

County: Adams/Weld

Water Source: South Platte River

Terms of Loan: \$840.825 for 20 years @ 1.50%

Substantial Completion: 10/1/2014

Design Engineer: Mike Serlet, P.E. / Bruce Johnson, P.E., Serlet Project Consulting

Contractor: N/A

Project Elements: Purchased seventy-two (72) shares of the Fulton Irrigation Ditch Company.

City of Lamar Raw Water Transmission Line Replacement Project



Project Description

The City of Lamar provides water service to a population of approximately 7,800 people, sourced from 29 active wells. This project replaced portions of the original cast iron transmission line, built in 1933 as a part of the Works Projects Administration, in response to testing that showed high amounts of scale build-up, pin-hole leaks, and pressure drops. It is estimated that between 378 to 662 acre-feet of water will be saved annually as a result of these improvements.

In June of 2013, the City was approved for a \$200,000 grant by the Arkansas Basin Roundtable from the Water Supply Reserve Account (\$50,000 from the Arkansas Basin Account and \$150,000 from the Statewide Account). In July of 2013, it was also awarded a \$985,000 grant from the Department of Local Affairs (DOLA) Energy/Mineral Impact Assistance Fund.

Project Data

Sponsor: City of Lamar

County: Prowers

Water Source: Groundwater

Terms of Loan: \$616,994 for 30 years @ 2.25%

Substantial Completion: 10/1/2014

Design Engineer: Gary Berngard, Honeywell Building Solutions

Contractor: Carrigan Excavating

Project Elements: 2 miles of 12-inch pipe, 4.5 miles of 16-inch pipe, and connections to existing wells

Tri-County Water Conservancy District Ridgway Reservoir Micro-Hydro Project



Project Description

The District constructed a 8MW hydroelectric power generating facility at Ridgway Reservoir. The project was permitted through the “Lease of Power Privilege” process with the Bureau of Reclamation, allowing the incorporation of a hydropower facility into the existing outlet works of Ridgway Dam. The dam, constructed by the Bureau as part of the Dallas Creek Project, began storing waters of the Uncompahgre Basin in 1987. The District expects to produce 24,000 MWh annually, which will be sold to Tri-State Generation and Transmission and the City of Aspen through a Power Purchase Agreement. The District began producing power in February 2014 and substantially completed in May 2014.

Project Data

Sponsor: Tri-County Water Conservancy
District

County: Ouray/Montrose/Delta

Water Source: Uncompahgre River

Terms of Loan: \$13,130,000 for 30 years @ 2.0%

Substantial Completion: October 1, 2014

Design Engineer: Sorenson Engineering and China Huadian Engineering

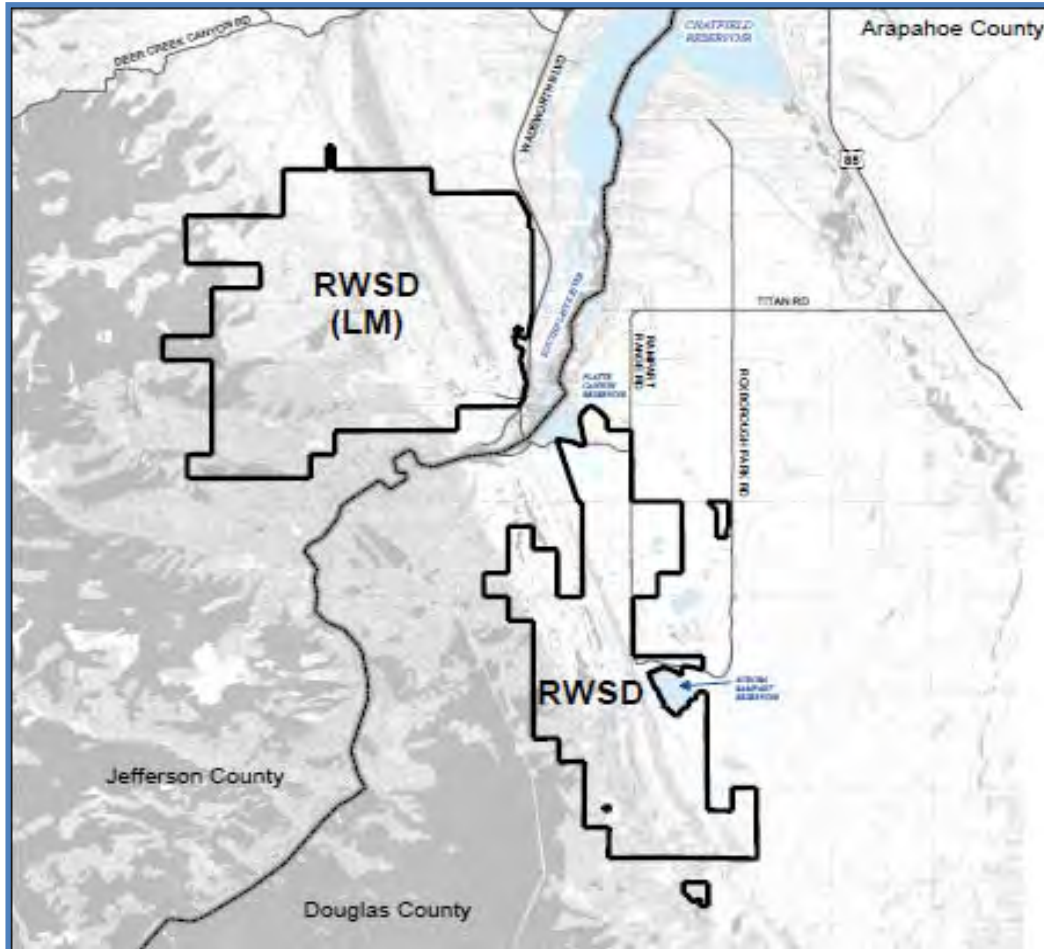
Contractor: Mountain States Hydro, LLC and Riverside Inc.

Project Elements: 1,700 cy of concrete, interconnection switchyard, a large and a small turbine and generator.



Raw Water Supply Project
Roxborough Water and Sanitation District,
Water Activity Enterprise
Substantially Complete December 1, 2014

Project Description



P R O J E C T D A T A		
<i>Sponsor:</i> Roxborough Water and Sanitation District, Water Activity Enterprise	<i>County:</i> Douglas, Jefferson	<i>Water Source:</i> South Platte
<i>Type of Loan:</i> Water Acquisition		<i>Board Approval Date:</i> January 28, 2013
<i>Terms of Loan:</i> \$18,538,550.00 for 30 years @ 3.25%		
<i>Design Engineer:</i> TST Infrastructure LLC		
<i>Contractor:</i> N/A		
<i>Project Elements:</i> The District executed an agreement with Aurora to purchase a permanent raw water supply based on the use of Aurora’s existing and future raw water supplies and infrastructure. Through this agreement, the District paid a connection fee for 3,395 Equivalent Residential Units. Aurora will deliver up to 1,800 AF annually through its existing system for treatment by the District. In addition, 285 AF will be delivered annually for irrigation customers within the District.		



Jackson Gulch Inlet Canal Rehabilitation

Mancos Water Conservancy District
Substantially Complete January 1, 2015



AFTER



BEFORE

Project Description

The Project included the rehabilitation of the District's Jackson Reservoir Inlet Canal. Improvements included access road rehabilitation along with seepage repairs of the half mile long existing concrete box culvert. In addition, the canal required approximately a half mile of concrete lining and the installation of approximately 1600 feet of twin eight foot diameter concrete pipes. The trapezoidal concrete canal is approximately 30 feet wide at the top, 12 feet wide at the bottom and 6 feet deep. The canal was reshaped and covered with a PVC geomembrane liner sandwiched between two layers of geotextile fabric and covered with a protective concrete filled Geoweb surface on the side slopes with a rock-filled canal bottom.

P R O J E C T D A T A		
<i>Sponsor:</i> Mancos Water Conservancy District	<i>County:</i> Montezuma	<i>Water Source:</i> Mancos River
<i>Type of Loan:</i> Ditch Rehabilitation		<i>Board Approval Date:</i> November 2002
<i>Amended Term of Loan:</i> \$1,451,556.12 at 2.80% Interest for 20 years		
<i>Design Engineer:</i> Buckhorn Geotech, Montrose CO		
<i>Contractor:</i> Mays Construction Specialists - Grand Junction CO; C&J Gravel, Durango CO		
<i>Project Elements:</i> 1600LF twin 8ft diameter RCP, 1000LF access road improvements, 2000LF trapezoidal contract lining, 2000LF of box culvert seepage repair.		



COLORADO
Colorado Water
Conservation Board
Department of Natural Resources

Lone Cabin Reservoir Rehabilitation Project

Lone Cabin Ditch and Reservoir Company
Substantially Complete February 1, 2015



The Lone Cabin Ditch and Reservoir Company provides irrigation water storage for 18 farms located on Lamborn Mesa approximately 5 miles southeast of Paonia, CO. The reservoir has a storage capacity of 163 acre-feet. This project became necessary due to a slump on the downstream face of the dam that resulted in a State Engineer's Office storage restriction to 20 feet below the dam crest. The construction project included excavation and reconstruction of the slumped area, installation of 200 LF of 6-inch toe drain collector pipe, a precast outlet pipe structure for the toe drain system, and final grading and re-seeding.



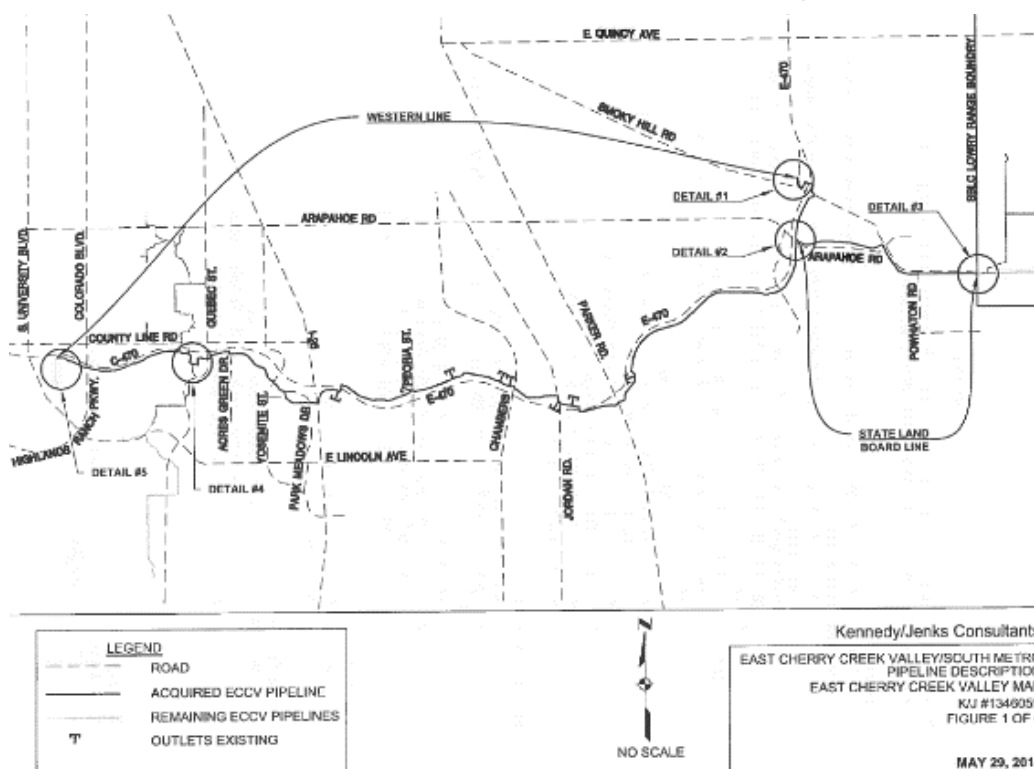
P R O J E C T D A T A		
<i>Sponsor:</i> Lone Cabin Ditch and Reservoir Company	<i>County:</i> Delta	<i>Water Source:</i> Minnesota Crk.
<i>Type of Loan:</i> Dam Rehabilitation	<i>Board Approval Date:</i> September 2013	
<i>Amended Terms of Loan:</i> \$252,803 at 1.75% for 30 years		
<i>Design Engineer:</i> Buckhorn Geotech, Montrose, CO - Norman Aufderheide, P.E.		
<i>Contractor:</i> Lacy Construction, Crested Butte, CO		
<i>Project Elements:</i> Reconstruct slumped area in dam embankment, install new toe drain collector pipe, install piezometers, install new drain outlet structure		



COLORADO
Colorado Water
Conservation Board
Department of Natural Resources

Water Infrastructure and Supply Efficiency Project (WISE) ECCV Pipeline Purchase

Parker Water & Sanitation District
Contract No. CT2015-107
Substantially Complete February 1, 2015



Project Description

The WISE Project is a collaborative effort by multiple south metropolitan water entities (the WISE Authority), Denver Water, and Aurora water to supplement existing water supplies by bringing reusable water supplies southward through Aurora's Prairie Waters pipeline to the East Cherry Creek Valley (ECCV) Pipeline. The WISE Authority purchased an 85% ownership share in the existing ECCV Pipeline, while the remaining 15% was purchased by Denver Water. The WISE Authority will operate and maintain the ECCV pipeline.

Each WISE Authority member's cost obligations for the project are dictated by an Organizational Agreement between the WISE Authority and WISE Authority member entities, and are dependent upon each member's subscription share for water deliveries.

This Water Project Loan financed Parker's cost share obligations for the purchase of the ECCV Pipeline by the WISE Authority, resulting in a license agreement for approximately 17% capacity of pipeline deliveries.

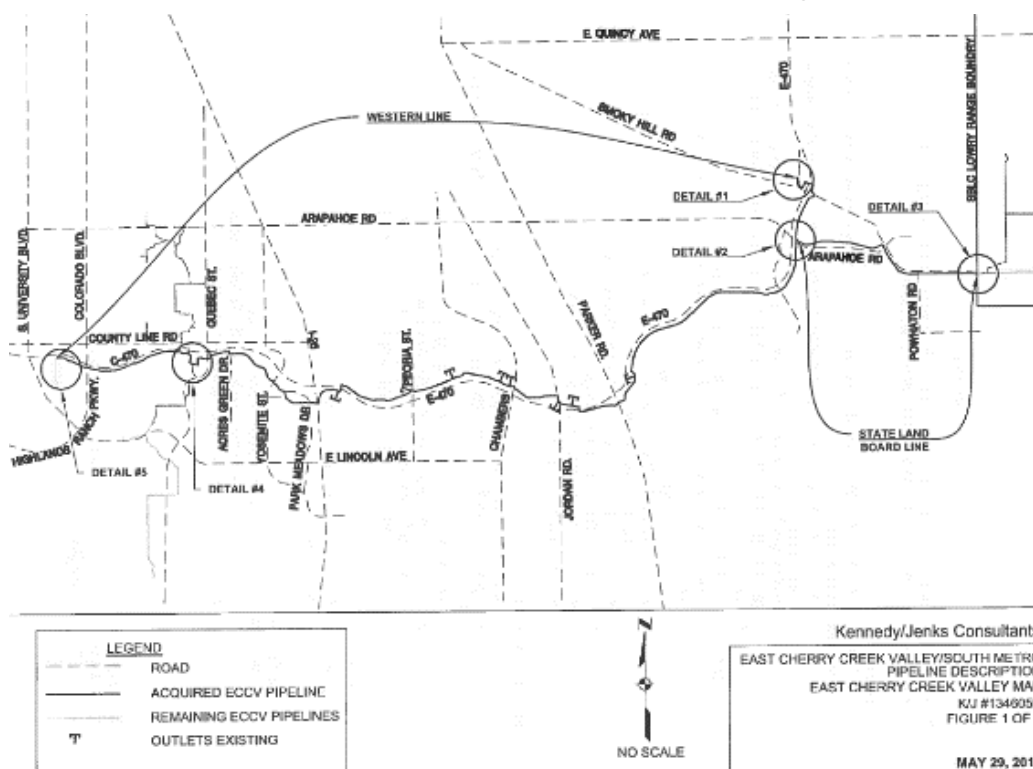
P r o j e c t d a t a		
<i>Sponsor:</i> Parker Water & Sanitation District	<i>County:</i> Douglas & Arapahoe	<i>Water source:</i> South Platte
<i>Type of loan:</i> Water Delivery System	<i>Board approval date:</i> May 22, 2014	
<i>Terms of loan:</i> 20 years @ 2.75%		
<i>Design engineer:</i> No design was financed for this WISE Project element.		
<i>Contractor:</i> No construction was financed for this WISE Project element.		
<i>Project elements:</i> License Agreement for approximately 17% capacity in the ECCV pipeline.		



COLORADO
Colorado Water
Conservation Board
Department of Natural Resources

Water Infrastructure and Supply Efficiency Project (WISE) ECCV Pipeline Purchase

Denver Southeast Suburban Water Sanitation District (Pinery)
Contract No. CT2015-083
Substantially Complete February 1, 2015



Project Description

The WISE Project is a collaborative effort by multiple south metropolitan water entities (the WISE Authority), Denver Water, and Aurora water to supplement existing water supplies by bringing reusable water supplies southward through Aurora's Prairie Waters pipeline to the East Cherry Creek Valley (ECCV) Pipeline. The WISE Authority purchased an 85% ownership share in the existing ECCV Pipeline, while the remaining 15% was purchased by Denver Water. The WISE Authority will operate and maintain the ECCV pipeline.

Each WISE Authority member's cost obligations for the project are dictated by an Organizational Agreement between the WISE Authority and WISE Authority member entities, and are dependent upon each member's subscription share for water deliveries.

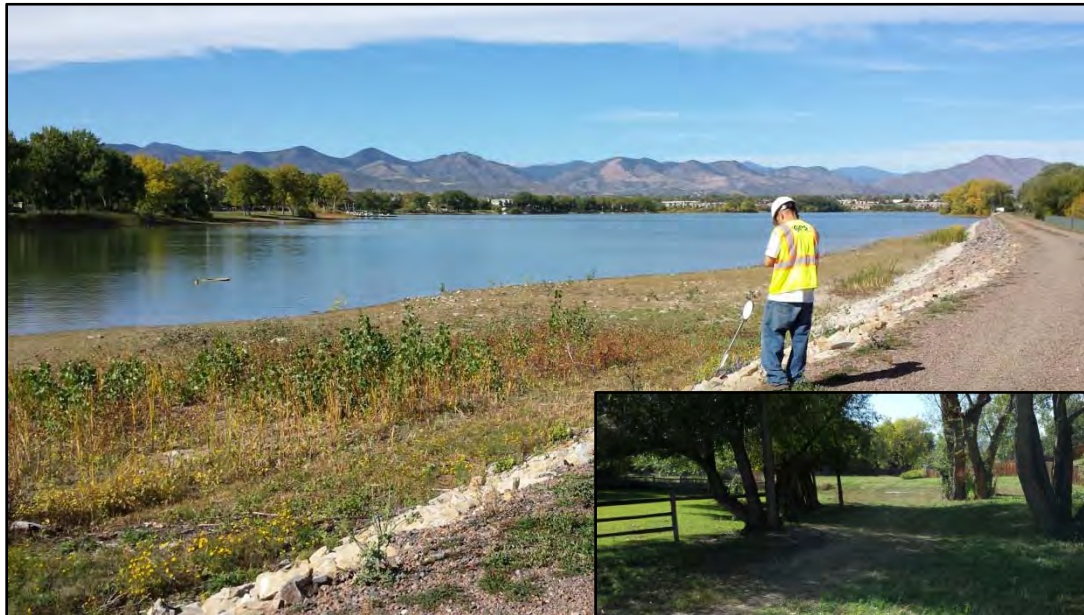
This Water Project Loan financed the Denver Southeast Suburban Water Sanitation District's (Pinery's) cost share obligations for the purchase of the ECCV Pipeline by the WISE Authority, resulting in a license agreement for approximately 6% capacity of pipeline deliveries.

P r o j e c t d a t a		
<i>Sponsor:</i> Denver Southeast Suburban Water & Sanitation District (Pinery)	<i>County:</i> Douglas & Arapahoe	<i>Water source:</i> South Platte
<i>Type of loan:</i> Water Delivery System		<i>Board approval date:</i> May 22, 2014
<i>Terms of loan:</i> 30 years @ 3.00%		
<i>Design engineer:</i> No design was financed for this WISE Project element.		
<i>Contractor:</i> No construction was financed for this WISE Project element.		
<i>Project elements:</i> License Agreement for approximately 6% capacity in the ECCV pipeline.		



Bowles No. 1 Dam Rehabilitation Project

Joseph Bowles Reservoir Company
Substantially Complete March 2015



Project Description

The Joseph W. Bowles Reservoir Company owns and operates Bowles No. 1 Reservoir, located in the southwest metropolitan area of Denver. The Company was formed in 1906 and has 50 shareholders who use the water for municipal uses including parks, open space, and golf courses, as well as some individual ranches for irrigation water. The Project consisted of several repairs to correct dam safety deficiencies and improve the long-term performance of Bowles No. 1 Dam. Dam repairs included the widening the dam crest, reconstructing the upstream slope, installing a seepage collection and toe drain system on the downstream slope, and lining the existing dam outlet pipe. Additionally, the Project rehabilitated a section of the reservoir's inlet ditch. This work included piping a section of the open ditch, reconstructing the ditch alignment, placing slope protection in high erosion areas, and installing a flow control pipe that will provide for the safe discharge of excessive ditch flows into an existing spillway and drainage structure. This was a long term Project with many phases which saw some level of construction occurring from fall of 2010 to fall of 2014.

P R O J E C T D A T A		
<i>Sponsor:</i> Joseph W. Bowles Reservoir Company	<i>County:</i> Jefferson	<i>Water Source:</i> Bear Creek
<i>Type of Loan:</i> Dam Rehabilitation		<i>Board Approval Date:</i> May 19, 2009
<i>Terms of Loan:</i> \$1,703,870 for 30 years @ 4.65%		
<i>Design Engineer:</i> W.W. Wheeler and Associates		
<i>Contractor:</i> Winslow Construction Company, Tezak Heavy Equipment		
<i>Project Elements:</i> Widen dam crest, reconstruct upstream slope, install toe drains, line outlet pipe, ditch erosion control, pipe open ditch.		



PROJECT DESCRIPTION

The Town of Dillon participated 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 to 286 AF. The Town's participation cost was approximately 27% of the construction costs and 20% of the engineering costs. The Reservoir was originally a 46 AF raw water storage reservoir filled via the Dillon Ditch, which diverts water from Salt Lick Gulch to the site. The reservoir was drained in 2008 due to dam safety concerns. This project included two new dams and a pipeline system from the new Salt Lick Gulch diversion structure. The Reservoir is located southwest of the Dillon Reservoir Dam.

P R O J E C T D A T A		
<i>Sponsor:</i> Town of Dillon	<i>County:</i> Summit	<i>Water Source:</i> Salt Lick Gulch
<i>Type of Loan:</i> Reservoir Rehabilitation		<i>Board Approval Date:</i> May 19, 2009
<i>Terms of Loan:</i> \$1,515,000 at 4.0% for 30 years		
<i>Project Manager:</i> Colorado River WCD, Glenwood Springs, CO		
<i>Design Engineer:</i> Tetra Tech Inc, Longmont, CO		
<i>Contractor:</i> Fiore & Sons Inc, Denver, CO		
<i>Project Elements:</i> 120,000CY excavation, 80,000CY of fill, 10,000CY riprap, and 7,000 feet of 24" HDPE pipe, an inverted siphon under I-70 and a new headgate		



New Ralston Creek Siphon



New Van Bibber Creek Siphon



Farmer's Highline Diversion - Before



Farmer's Highline Diversion - After

Project Description

The Project included the rehabilitation of the Company's 130-year old canal system including its diversion and headgate structure, as well as the Van Bibber Creek and Ralston Creek siphons and the Club Crest storm drain crossing.

The diversion dam is a 93' concrete dam located in Golden. The existing dam was deteriorating and causing a large void to develop at the downstream toe of the dam. The dam was resurfaced with a toe wall and riprap apron added. The headgate structure consist of resurfacing the concrete structure and installing new (2) 10'-6" slide gates to the ditch, (1) 9' sandout slide gate, and (2) 6'-6" river bypass slide gates. Incorporated in the headgate rehabilitation was the installation of a SCADA system to add automation to the Company's headgates.

The Van Bibber Creek and Ralston Creek siphons were aging concrete structures with surface erosion and concrete wear exposing the aggregate and rebar. Work done included the patching and resurfacing of the concrete structure, and stabilizing the ditch embankments. The existing culvert at the Club Crest storm drain crossing was exposed and deteriorating. This corroded drain pipe was replaced.

P R O J E C T D A T A		
<i>Sponsor:</i> Farmer's High Line Canal and Reservoir Company	<i>County:</i> Adams/Jefferson	<i>Water Source:</i> Clear Creek
<i>Type of Loan:</i> Ditch Rehabilitation		<i>Board Approval Date:</i> November 2010
<i>Terms of Loan:</i> \$2,209,597.00 @ 4.65% for 30-years (actual amount drawn: \$2,129,918.30)		
<i>Design Engineer:</i> Deere & Ault Consultants, Inc., Longmont, CO		
<i>Contractor:</i> Lillard & Clark Construction Company		
<i>Project Elements:</i> Diversion dam and headgate rehabilitation including SCADA installation, rehabilitation of two siphon structures, and replacement of a storm drain pipe.		



Developing
Sinkhole



Outlet Pipe
Slip-Lining



New Outlet Works

Project Description

In January 2014, the Company was in the process of replacing Sand Hill Reservoir's 48" outlet gate. During construction a sink hole developed in the dam around the outlet structure, prompting an emergency response from the Company and the SEO's Dam Safety Branch. The Project team, in close coordination with the SEO, developed a project approach for the completion of the rehabilitation of the outlet structure. The repair efforts included cutting out the effected sink hole location in the dam, demolishing the existing outlet structure and rebuilding the dam and new outlet structure back up to SEO specifications. The slide gate was relocated from the interior of the dam to the front of the outlet intake in the reservoir. Additionally, the Company slip-lined the existing RCP outlet pipe.

P R O J E C T D A T A		
<i>Sponsor:</i> Platte Valley Irrigation Company	<i>County:</i> Weld	<i>Water Source:</i> South Platte River, C-BT
<i>Type of Loan:</i> Reservoir Rehabilitation		<i>Board Approval Date:</i> November 2014
<i>Terms of Loan:</i> \$745,380.00 @ 2.00% for 30-years (actual amount drawn: \$738,466.25)		
<i>Design Engineer:</i> Franchetti Engineering		
<i>Contractor:</i> Aslan Construction, Inc		
<i>Project Elements:</i> Emergency repair of dam outlet works. Included outlet redesign of placing slide gate into reservoir, and slip lining of RCP pipe.		



Emergency Sterling Ditch Rehabilitation Project

Sterling Irrigation Company
Substantially Complete May 2015



Project Description

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged, including the Company's ditch. Floodwaters overtopped the headgate structure and entered the ditch resulting in significant sedimentation and the weakening of ditch banks. During the 2014 snowmelt high-water runoff, uncontrolled waters again entered the ditch causing additional sedimentation and ditch bank breaches. Construction crews repaired the breaches and removed sand from the ditch channel and upstream river channel. The first phase was the immediate clean out following the September 2013 flood event and the second phase was the clean out and breach repair following the spring 2014 snowmelt runoff.

P R O J E C T D A T A		
<i>Sponsor:</i> Sterling Irrigation Company	<i>County:</i> Logan	<i>Water Source:</i> South Platte River
<i>Type of Loan:</i> Ditch Rehabilitation		<i>Board Approval Date:</i> September 2014
<i>Terms of Loan:</i> \$101,000 @ 1.50% for 10 years		
<i>Design Engineer:</i> NA		
<i>Contractor:</i> Ransom Boone Excavating		
<i>Project Elements:</i> Remove sedimentation and repair ditch breaches caused by flooding.		



Spillway Replacement Project
Terrace Irrigation Company
Substantially Complete June 1, 2015



Project Description

The Terrace Irrigation Company supplies irrigation water to its shareholders for irrigation of 9,300 acres of agricultural lands. The Company's Terrace Reservoir was under a restriction order from the SEO, reducing its available capacity by 2,000 AF. The Project involved the demolition of the existing spillway, raising the existing saddle dike where the spillway is located, construction of a new spillway which included a new spillway chute and stilling basin. The Company is 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. Funding for this project included grant money from the CWCB's WSRA (\$1.5M) and the Summitville Natural Resource Damage account (\$2.0M). 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.

P R O J E C T D A T A		
<i>Sponsor:</i> The Terrace Irrigation Company	<i>County:</i> Conejos	<i>Water Source:</i> Alamosa River
<i>Type of Loan:</i> Dam Rehabilitation		<i>Board Approval Date:</i> March 20, 2012
<i>Terms of Loan:</i> \$2,751,968 @ 1.75% for 30 years		
<i>Design Engineer:</i> URS Corporation		
<i>Contractor:</i> ASI Constructors, Inc.		
<i>Project Elements:</i> 200,000 CY of Rock Excavation, 225 CY Rip Rap, 2.2M CY of Structural Concrete		

Design and Construction - Summary

Loan Program
Attachment 3

Contract Borrower	County	Loan Amount	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
Projects in Design or Construction							
1 Bellyache Ridge Metro District > Well Replacement Project C150356 (CT2015-015)	Eagle	\$169,175	100%	Feb 2015 - May 2015	80%	AM	Project was bid in June 2014. The District received no bids. The engineer and District reevaluated the project and opted to drill a smaller test well. Drilling began on February 17, 2015. The test well did not produce the amount of water required by the District to meet its needs. Further options are being evaluated.
2 Town of Bennett > Wells #3 and #6 Replacement Project CT2015-161	Adams Arapahoe	\$145,400	100%	May 2015 - Sept 2015	60%	AM	The Project was bid in 2014 and drilling began in May 2015. Well #3 is complete and well #6 is under construction.
3 Bergen Ditch & Reservoir Company > Bergen Reservoir No. 2 Rehabilitation C150344 (CT2015-017)	Jefferson	\$2,020,000	100%	June 2015 - 2015	5%	JH	Project has been bid and Bergen worked with Low-bidder and SEO to identify cost savings in order to bring construction cost in line with the available budget. Construction started June 2015
4 Boxelder Basin Regional Stormwater Authority > Larimer & Weld Canal Crossing Structure Project C150352 (CT2015-071)	Larimer/ Weld	\$1,010,000	100%	2015 - 2016	0%	JH	Land aquisition of all required parcels has been completed and loan funds were advanced to cover land purchase costs. Final design and SEO approval is underway. Bids were received in June and Boxelder is evaluating bids and overall Project funding
5 Boxelder Basin Regional Stormwater Authority > East Side Detention Facility Project C150353 (CT2015-070)	Larimer/ Weld	\$7,171,000	100%	2015 - 2016	0%	JH	Land aquisition of all required parcels has been completed and loan funds were advanced to cover land purchase costs. Final design and SEO approval is underway. Bids were received in June and Boxelder is evaluating bids and overall Project funding
6 Boxelder Basin Regional Stormwater Authority > County Rd 52 Culvert Project C150393 (CT2015-069)	Larimer/ Weld	\$818,100	100%	2015 - 2016	0%	JH	Land aquisition of all required parcels has been completed and loan funds were advanced to cover land purchase costs. Final design and SEO approval is underway. Bids were received in June and Boxelder is evaluating bids and overall Project funding
7 Central CO WCD - WAS > Augmentation Water Supply Project C150337 (CT2015-060)	Weld/ Adams/ Morgan	\$3,030,000	50%	Apr 13 - Apr 16	30%	JH	Purchased a portion of the water rights on 4/25/13.
8 Colorado Parks & Wildlife > Beaver Park Reservoir Rehabilitation C150343	Rio Grande	\$10,000,000	Ph1 100% P2 100%	Summer '13 & Summer '15	100% 90%	KR	Phase 1 Alsand Construction \$2M. Spillway & Grout work is complete. Phase 2 Construction by ASI Contractors is to be complete in July 2015 with filter material placement and dam backfill.
9 City of Cortez > Water Meter Replacement Project > CT2015-152	Montezuma	\$858,500	100%	June 2015 - Jan 2016	10%	AM	Notice to proceed was issued in June 2015.

Design and Construction - Summary

Loan Program
Attachment 3

10	Crystal Lakes Water and Sewer Association > Lower Lone Pine Lake Enlargement Project C150325 (CT2015-045)	Larimer	\$2,363,400	100%	Apr 12 - Nov 15	99%	AM	Construction was completed in November 2014. Loan will be substantially completed in mid/late 2015.
11	East Mesa Water Company > Ditch Piping Project C150360 (CT2015-141)	Pitkin/ Garfield	\$732,927	100%	Feb 15 - May 15	99%	KR	Engineering by NRCS and AECOM. Construction by Rock Solid Inc. and Mueller Exc. Work complete. NRCS made payment in June. Substantial Completion scheduled for July 1.
12	Eckhardt Farms Inc > Water Rights Purchase C150338 (CT2015-051)	Weld	\$1,336,230	N/A	N/A	N/A	JH	Water rights purchase. Loan funds disbursed May 2015. Substantial completion set for Sept 2015.
13	Ephraim Ditch Company > Ephraim Diversion and Headgate Rehabilitation C150402 (CT2015-090)	Rio Grande	\$101,000	100%	Summer 15 - Fall 15	0%	JH	NRCS has finalized design. Construction to occur late summer/early fall
14	Farmers Pawnee Canal Company > Diversion Structure Replacement Project C150394 (CT2015-132)	Logan	\$2,067,470	100%	Fall 14 - Spring 15	93%	DRJ	All walls completed, bladder gates installed and tested. Contractor continuing to place riprap.
15	Fowler, Town of > Augmentation Pipeline Project C150359 (CT2015-054)	Otero	\$277,245	90%	Summer 2015	0%	DRJ	Design modifications required for alignment change. Bid process imminent.
16	Fulton Irrigating Ditch Company > Diversion Structure Rehabilitation Project C150399 (CT2015-092)	Adams	\$2,027,070	100%	Fall 14 - Spring 15	95%	DRJ	Gantry crane installation is at 90% and punchlist items being completed.
17	Georgetown, Town of > Outlet Works Modification Project C150321 (CT2015-055)	Clear Creek	\$2,976,975	100%	Aug 14 - Fall 15	90%	AM	Construction began in August 2014. Successful gate testing occurred on 4/28/15. Punchlist items will be completed in fall of 2015.
18	Grand Mesa Water Conservancy District > Peak Res. & Blanche Park Res. Rehabilitation C150354 (CT2015-061)	Delta	\$227,250	100%	Mar 13 - Nov 16	85%	AM	Construction began in the 2013 season and will be completed in the 2016 construction season.
19	Greeley and Loveland Irrigation Company > Irrigation System Improvements C150362 (CT2015-022)	Larimer	\$3,154,230	95%	Summer 14 - Fall 15	70%	JH	Phase 1 Horseshoe complete. Construction of phase 2A of Horseshoe began in April 2015. Phase 2B to occur after 2015 irrigation season. Boyd Lake Project started construction January 2015 and was completed May 2015.

Design and Construction - Summary

20	Greeley Irrigation Company > Greeley Canal No. 3 Rehabilitation C150239 (CT2015-021)	Weld	\$1,134,839	90%	Feb 08 - Dec 15	99%	KR	Project complete. The Company will Substantially Complete the project on July 1, 2015
21	Gypsum, Town of > LEDE Ditch and Reservoir Rehabilitation C150296 (CT2015-058)	Eagle	\$2,690,000	100%	Jul 13 - Sep 16	32%	DRJ	Construction began in winter 2013 and continues into 2015.
22	Huerfano County Water Conservancy District > Regional Augmentation Project C150364 (CT2015-047)	Huerfano	\$2,222,000	100%	Mar 14 - Oct 15	60%	AM	Land and water rights purchase to occurred in January 2014. Camp Ranch augmentation site construction is underway.
23	Lake Canal Reservoir Company > North Gray Reservoir Rehab Project C150322 (CT2015-042)	Larimer/ Weld	\$116,625	50%	2015 - 2016	0%	JH	Project was delayed until neighboring Boxelder East Side Detention Facility is finalized. Anticipating submitting design to SEO in June 2015.
24	Lake Durango Water Authority > Source Water Supply Project C150317 (CT2015-013)	LaPlatta	\$2,525,000	95%	Fall 15 - Fall 16	0%	KR	Final design efforts are underway. ROW and easements are being negotiated.
25	Left Hand Ditch Company > Allen Lake and Lake Isabelle Repair Project C150336 (CT2015-088)	Boulder	\$1,475,307	100%	Nov 12 - June 15	90%	AM	Allen Lake construction was completed in August 2013. Lake Isabelle outletworks construction will be completed in 2015.
26	Louden Irrigating Canal & Reservoir Company > Emergency Diversion Structure and Ditch Repair C150398 (CT2015-151)	Larimer	\$ 161,600	100%	Summer 14 - Fall 15	90%	JH	Initial repair phase of project is complete. Improvements to the diversion and heatgate system is scheduled for Fall of 2015
27	Lower Poudre Augmentation Company > Cornish Water Rights Purchase CT2015-171	Larimer & Weld	\$1,163,500	N/A	N/A	N/A	JH	With contract now signed LPAC will proceed with the purchase of water rights
28	McDonald Ditch Company > Ditch Diversion and Headgate Replacement C150334 (CT2015-044)	Rio Grande	\$101,000	100%	Fall 14 - Spring 15	50%	JH	Phase 1 Construction (diversion dam) started December 2014, completed in March 2015. Phase 2 (pipeline) to be completed after 2015 irrigation season.
29	Monte Vista, City of > Augmentation Water Rights Acquisition C150309 (CT2015-011)	Rio Grande	\$1,693,770	N/A	Oct 10 - Jul 17	50%	AM	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.

Design and Construction - Summary

30	Northern Colorado WCD- Hydropower Enterprise > Granby Hydropower Project C150396 (CT2015-140)	Grand	\$5,135,183	100%	May 15 - May 16	5%	JH	Power Purchase and Lease of Power Privilege agreements signed March 2015. Construction started in May 2015
31	North Poudre Irrigation Co > Reservoir No. 4 Rehabilitation C150378 (CT2015-003)	Larimer	\$1,636,200	90%	Fall 14 - Fall 15	10%	JH	Design being updated per SEO suggestion to upsize spillway to meet higher classification. Wildlife Mitigation completed in January 2015. Reservoir construction to be bid June 2015.
32	Overland Ditch and Reservoir Company > Overland Reservoir Rehabilitation C150206 (CT2015-034)	Delta	\$1,141,300	50%	Permitting	0%	KR	Project on-hold until permitting (fens) can be addressed in enlarged reservoir area. Company is concerned about the impact of increased costs to the project
33	Owl Creek Reservoir Company > Owl Creek Reservoir Rehabilitation C150089 (CT2015-048)	Weld	\$1,125,000	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.
34	Penrose Water District > Water Rights Purchase and Pipeline Installation C150237 (CT2015-040)	Fremont	\$9,763,670	100%	Summer 14 - Spring 16	90%	DRJ	Project commissioning under way.
35	Pisgah Reservoir and Ditch Company > Mount Pisgah Dam/Wrights Res Rehabilitation C150341 (CT2015-027)	Teller	\$162,958	100%	Spring 15 - Dec 16	10%	JH	Approved for additional loan funds at November 2014 Board Meeting. SEO provided final approval in November 2014. Project under construction as of June 2015. Are seeking additional funds at July 2015 Board Meeting. Phase 1 under construction
36	Prairie Ditch Company > Plaza Phase 3: Prairie Ditch Imp. Project C150400 (CT2015-134)	Rio Grande	\$131,300	90%	Fall 15 - Spring 16	0%	JH	NRCS near complete with final design. Scheduled for a Fall 2015 construction start.
37	Ridgway, Town of > Lake Otonowanda Rehabilitation Project C150340 (CT2015-056)	Ouray	\$606,000	100%	June 14 - July 15	95%	KR	Earthwork and outlet construction is nearly complete. Outlet work nearly complete. Completion expected in mid summer. Celebration on August 31, 15.
38	Riverside Ditch and Allen Extension Company > Ditch System Rehabilitation C150301 (CT2015-050)	Chaffee	\$186,345	85%	Jul 10 - Dec 15	80%	KR	Ditch lining phase of the project was completed in December 2010. Additional phases will be constructed in 2015. Utilizing NRCS La Junta Field office for design and assistance with field modifications of original work.
39	Riverside Reservoir and Land Company > Riverside Reservoir Spillway Enlargement C150291 (CT2015-026)	Weld	\$2,838,100	80%	Summer 2016	0%	DRJ	Engineer expects submittal to SEO by late fall/winter of 2015. Construction anticipated summer 2016.

Design and Construction - Summary

Loan Program
Attachment 3

40	Sanchez Ditch and Reservoir Company > Sanchez Reservoir Outlet Rehabilitation Project C150342 (CT2015-012)	Costilla	\$1,381,276	100%	Summer 14 - Winter 15	80%	AM	Construction began in Oct 2014. Outlet works work was completed in Jan 2015. Seepage and monitoring work is scheduled for fall of 2015.
41	Sanford Canal Company > Sanford Diversion and Headgate Rehabilitation C150401(CT2015-091)	Rio Grande	\$101,000	100%	Summer 15 - Fall 15	0%	JH	NRCS has finalized design. Construction to occur late summer/early fall
42	Santa Maria Reservoir Company > Siphon and Canal System Rehabilitation Project C150350 (CT2015-005)	Hinsdale/ Mineral	\$1,405,163	100%	2014 - 2015	99%	AM	Construction was completed in Oct 2014. As-built drawings are in progress.
43	Santa Maria Reservoir Company > Continental Dam Spillway Rehabilitation Project C150365 (CT2015-006)	Hinsdale/ Mineral	\$3,071,633	100%	2014 - 2015	60%	AM	Bid was awarded in April 2014. Construction began in May 2014 and is scheduled for two construction seasons. Loan increase was approved in Jan 2015. Construction resumed in June of 2015. Completion is expected by fall of 2015.
44	San Luis Valley Water Conservancy District > Anaconda Ditch Water Right Acquisition C150348 (CT2015-166)	Alamosa	\$839,000	N/A	2015	N/A	AM	Water rights purchase is pending water court change case completion. Closing on the water rights is expected to occur in late 2015.
45	Thunderbird W&S Dist > Lambert Ranch Water Rights Purchase C150320 (CT2015-049)	Douglas	\$318,150	100%	N/A	0%	JH	Closing has been delayed until 2015 due to easement access to purchased wells. Easement aquisition process is still underway with target of Spring 2015
46	Upper Arkansas Water Conservancy District > Reservoir Rehabilitation C150192 (CT2015-052)	Chaffe/ Custer	\$3,009,800	100%	Permitting	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 issues.
47	Upper Platte & Beaver Canal Company > Hospital Rd Recharge Facility & Bridge Project CT2015-101	Morgan	\$190,890	30%	Fall 14 - Spring 15	30%	DRJ	Augmentation land purchase complete. Connection to ditch supply ongoing. Draw made on loan to replace broken headgate at river diversion structure. Bridge component on hold pending possible larger diversion dam rehab project with Deuel & Snyder Ditch Co.
48	West Reservoir and Ditch Company >Repair of West Reservoir No. 1 Outlet Works CT201-196	Delta	\$248,378	100%	Summer 15 - Fall16	0%	DRJ	Contractor selected, precon mtg w/ SEO to be scheduled
49	Windsor, Town of > Kyger Reservoir Project C150366 (CT2015-057)	Larimer/ Weld	\$4,545,000	20%	Summer 16 - Fall16	0%	JH	Town to purchase reservoir and water rights in summer 2014. Town is expected to complete design and permitting in February 2016 with constrution to occur that summer.
50 - WISE Project - ECCV Pipeline Purchase								\$2,227,050

Design and Construction - Summary

	Cottonwood W&S Dist - C150408A (CT2015-102)	Douglas/ Arapahoe	\$381,780	N/A	Fall 14 - Spring 15	79%	DRJ	
	Inverness W&S Dist - C150409A (CT2015-117)	Douglas/ Arapahoe	\$1,845,270	N/A	Fall 14 - Spring 15	0%	DRJ	
51 - WISE Project - Phase 1 Infructure								\$16,802,501
	Cottonwood W&S Dist - C150408B (CT2015-106)	Douglas/ Arapahoe	\$2,636,100	1%	Spring 15 - Jan 17	0%	DRJ	
	Inverness W&S Dist - C150409B (CT2015-118)	Douglas/ Arapahoe	\$1,181,700	1%	Spring 15 - Jan 17	0%	DRJ	
	Parker W&S Dist - C150410B (CT2015-108)	Douglas/ Arapahoe	\$6,785,321	1%	Spring 15 - Jan 17	0%	DRJ	
	Denver SE Sub W&S Dist - C150411B (CT2015-085)	Douglas/ Arapahoe	\$6,199,380	1%	Spring 15 - Jan 17	0%	DRJ	
52 - WISE Project - Phase 2 Infructure								\$7,400,078
	Cottonwood W&S Dist - C150408C (CT2015-105)	Douglas/ Arapahoe	\$1,127,160	0%	Spring 15 - Fall 21	0%	DRJ	
	Inverness W&S Dist - C150409C (CT2015-119)	Douglas/ Arapahoe	\$1,427,130	0%	Spring 15 - Fall 21	0%	DRJ	
	Parker W&S Dist - C150410C (CT2015-109)	Douglas/ Arapahoe	\$3,418,658	0%	Spring 15 - Fall 21	0%	DRJ	
	Denver SE Sub W&S Dist - C150411C (CT2015-086)	Douglas/ Arapahoe	\$1,427,130	0%	Spring 15 - Fall 21	0%	DRJ	
53 - WISE Project - DIA Connection								\$2,372,490
	Cottonwood W&S Dist - C150408D (CT2015-104)	Douglas/ Arapahoe	\$363,600	N/A	Spring 15 - Spring 21	11%	DRJ	
	Inverness W&S Dist - C150409D (CT2015-120)	Douglas/ Arapahoe	\$454,500	N/A	Spring 15 - Spring 21	0%	DRJ	No Inverness Request for Reimb received.
	Parker W&S Dist - C150410D (CT2015-110)	Douglas/ Arapahoe	\$1,099,890	N/A	Spring 15 - Spring 21	11%	DRJ	
	Denver SE Sub. W&S Dist - C150411D (CT2015-087)	Douglas/ Arapahoe	\$454,500	N/A	Spring 15 - Spring 21	11%	DRJ	

Projects Under Contract SubTotal = \$120,408,078

Design and Construction - Summary

Approved Projects - Not Under Contract						
a	Chatfield Realocation Project - Storage Purchase > Castle Pines North MD - C150404A > Centennial W&S Dist - C150405A > Center of CO WCD - C150406A > Central CO WCD - C150407A	Arapahoe Douglas Park Weld	\$9,549,247	In Contracting	JH	
b	Chatfield Realocation Project - Phase 1 Mitigation > Castle Pines North MD - C150404B > Centennial W&S Dist - C150405B > Center of CO WCD - C150406B > Central CO WCD - C150407B	Arapahoe Douglas Park Weld	\$54,687,763	In Contracting	JH	
c	Chatfield Realocation Project - Phase 2 Mitigation > Castle Pines North MD - C150404C > Centennial W&S Dist - C150405C > Central CO WCD - C150407C	Arapahoe Douglas Weld	\$19,646,520	In Contracting	JH	
d	Las Animas Consolidated Canal Company >Repair and Replacement of the Las Animas Consolidated Canal Spillway Structure	Bent	\$363,782	In Contracting	DRJ	Anticipated schedule for 2015: Survey March, Engr revw by Aug, Final plans by mid-Sept, contracting by Oct/Nov, Nov 15 ditch out, anticipated Thanksgiving construction NTP, finish by Mar 1, 2015
e	Southeastern CO Water Conserv. District > Arkansas Valley Conduit C150238	Crowley	\$60,600,000	In Contracting	KR	Pending Federal Appropriation. Hydro project may be considered from these loan funds
f	Bow Mar Water & Sanitation District >Rehabilitation and Replacement of Water Meters	Arapahoe & Jefferson	\$332,795	In Contracting	DRJ	Construction anticipated after 2015 November election, likely 2016 January
g	Lower Arkansas Valley WCD >Water Rights Purchase CT2015-175	Bent, Crowley, Otero, Prowers, Pueblo	\$2,560,350	In Contracting	DRJ	
h	Plum Valley Heights Subdistrict >Raw Water Supply Project	Douglas	\$2,248,260	In Contracting	JH	
i	Uncompahgre Valley Water Users Association >Drop 5 Hydroelectric Project CT2015-174	Montrose & Delta	\$6,999,300	In Contracting	KR	

Design and Construction - Summary

Loan Program
Attachment 3

Not Under Contract SubTotal = \$156,988,017

Grand Total = \$277,396,095

Projects Substantially Completed in Fiscal Year 2014/2015

1	Missouri Heights - Mountain Meadows Irrigation Company > Irrigation Ditch lining Project C150351 (CT2015-053)	Eagle/ Garfield	\$428,548	100%	Sept 13 - June 14	100%	KR	7/1/2014
2	Boulder & Left Hand Irrigation Company > Tracy Lateral Pipeline C150357	Boulder	\$202,000	100%	Nov 13 - Jul 14	100%	JH	7/1/2014
3	Fisher Ditch Company > Ditch Infrastructure Project C150319 (CT2015-043)	Denver	\$110,780	100%	Nov 12 - July 14	100%	JH	7/1/2014
4	Petrocco Family Limited Partnership > Water Rights Purchase C150363 (CT2015-001)	Adams/ Weld	\$840,825	N/A	N/A	N/A	JH	10/1/2014
5	Lamar, Town of > Raw Water Transmission Line Replacement C150367 (CT2015-007)	Prowers	\$616,994	100%	Mar 14 - Nov 14	100%	DRJ	10/1/2014
6	Tri-County Water Conservancy District > Ridgway Reservoir Micro Hydro Project C150324 (CT2015-037)	Ouray/ Mont/ Delta	\$13,130,000	100%	Jul 12 - Jul 14	100%	KR	10/1/2014
7	Roxborough Water & Sanitation Dist. > Raw Water Supply Project C150346 (CT2015-041)	Douglas	\$18,538,550	100%	Oct 14 - Dec 14	100%	AM	12/1/214
8	Mancos Water Conservancy District > Inlet and Outlet Canal Rehabilitation C150120 (CT2015-036)	Montezuma	\$1,451,556	100%	Jan 04 - Oct 13	100%	KR	1/1/2015

Design and Construction - Summary

9	Lone Cabin Ditch & Reservoir Company > Lone Cabin Dam Rehab. Project C150361 (CT2015-059)	Delta	\$123,448	100%	Summer 14 - Fall 14	100%	DRJ	2/1/2015
10	Parker Water and Sanitation District >WISE - ECCV Pipeline Purchase C150410A (CT2015-107)	Douglas/ Arapahoe	\$4,426,830	NA	Fall 14 - Spring 15	100%	DRJ	2/1/2015
11	Denver Southeast Suburban Water and San. District >WISE - ECCV Pipeline Purchase C150411A (CT2015-083)	Douglas/ Arapahoe	\$1,845,270	NA	Fall 14 - Spring 15	100%	DRJ	2/1/2015
12	Joseph W. Bowles Reservoir Company > Bowles No. 1 Dam Rehabilitation C150290 (CT2015-030)	Jefferson	\$1,668,391	100%	Aug 10 - Dec 14	100%	JH	3/1/2015
13	Dillon, Town of > Old Dillon Reservoir Enlargement C150295 (CT2015-038)	Summit	\$1,515,000	100%	Sep 10 - Oct 14	100%%	KR	4/1/2015
14	Farmers' High Line Canal and Reservoir Company > System Rehabilitation Project C150314 (CT2015-019)	Adams/ Jefferson	\$2,129,918	100%	Feb 11 - May 15	100%%	JH	5/1/2015
15	Platte Valley Irrigation Company >Sand Hill Lake Outlet Works Rehabilitation CT2015-139	Weld	\$738,466	100%	Summer 14 - Summer 15	100%%	JH	5/1/2015
16	Sterling Irrigation Company > Emergency Sterling Ditch Rehabilitation Project CT2015-097	Logan	\$101,000	100%	May-14	100%%	JH	5/1/2015
17	Terrace Irrigation Co > Spillway Replacement Project C150332 (CT2015-033)	Conejos	\$2,712,602	100%	Jul 12 - Jul 13	100%	KR	6/1/2015

SubTotal = \$50,580,178

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

Borrower: Bellyache Ridge Metropolitan District **County:** Eagle

Project Name: Well Replacement Project

Project Type: Well Drilling

Drainage Basin/ District: Colorado / 37

Water Source: Groundwater

Total Project Cost: \$355,000

Funding Source: Construction Fund/
DOLA Energy and Mineral Impact
Assistance Fund

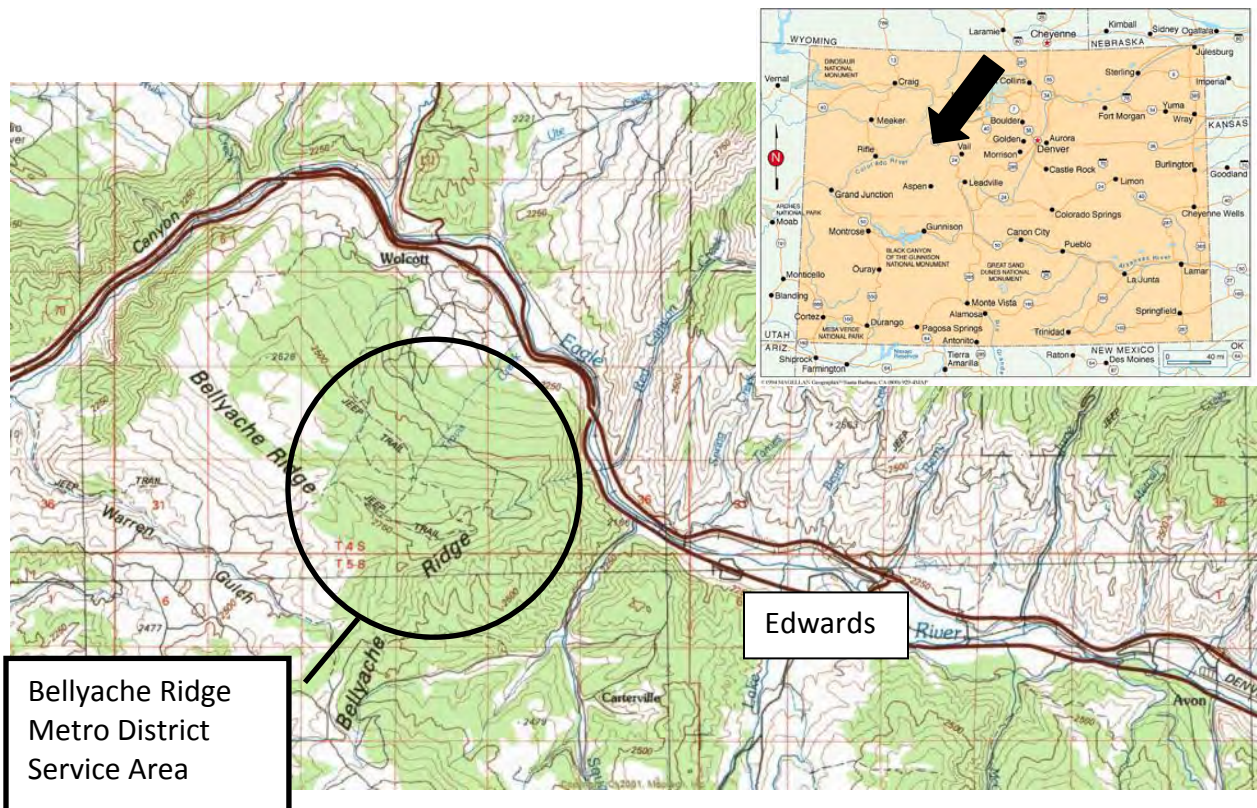
Type of Borrower: Municipal (High)

Average Annual Diversion: 11 AF

CWCB Loan: \$169,175
(with 1% Service Fee)

Interest Rate: 3.0% **Term:** 30 years

The District is located in Eagle County approximately six miles west of Edwards, Colorado. The District's water system includes three wells that fill two storage tanks. From January through March of 2013, the District had to haul in water because declining well production was not able to keep up with demands. Spring storms recharged the groundwater supply such that the District has not hauled water since March, but unless a new well is drilled hauling water will likely be required in the future. A new replacement well will be drilled as soon as funding is available.



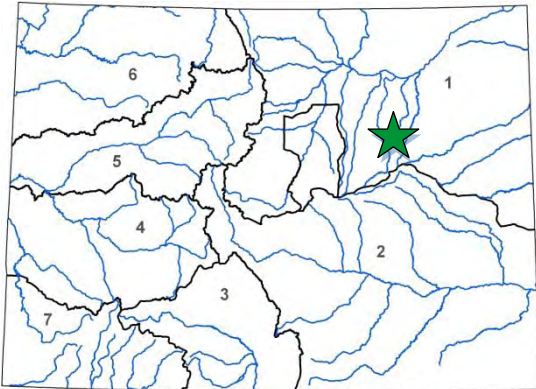


Wells #3 and #6 Replacement Project

Town of Bennett

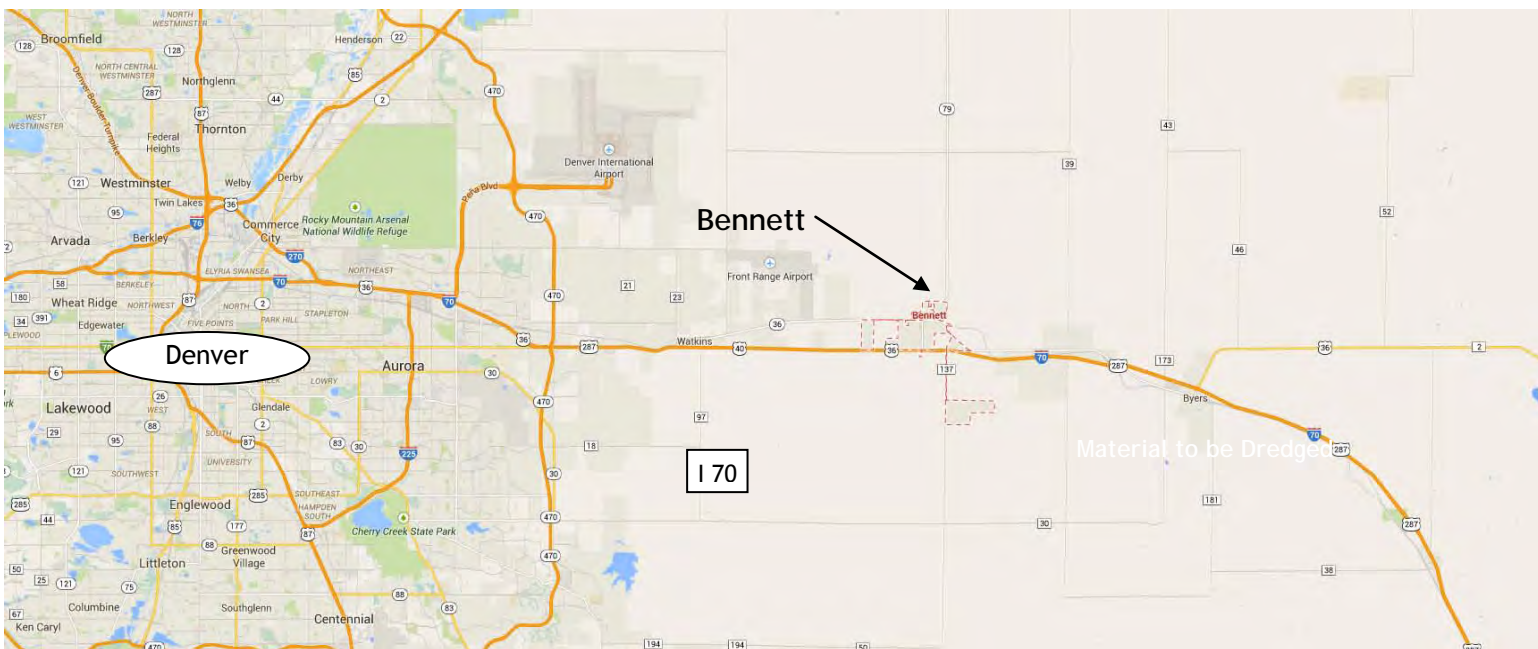
November 2014 Board Meeting

L O A N D E T A I L S	
<i>Project Cost:</i>	\$1,600,000
<i>CWCB Loan (with Service Fee):</i>	\$1,454,400
<i>Loan Term and Interest Rate:</i>	30 Years @ 3.25%
<i>Funding Source:</i>	Construction Fund
B O R R O W E R T Y P E	
<i>Agriculture</i>	<i>Municipal</i>
0%	0% Low - 100% Mid - 0% High
	<i>Commercial</i>
	0%
P R O J E C T D E T A I L S	
<i>Project Type:</i>	Well Drilling
<i>Average Annual Delivery:</i>	261 AF



The Town of Bennett provides water to its 2,500 residents from the Denver, Upper Arapahoe and Lower Arapahoe, and Laramie-Fox Hills aquifers. A recent study revealed the need to address operational reliability, efficiency, and safety of the Town of Bennett's well #3 and well #6. The Town currently has 11 wells. The replacement of wells #3 and #6 will provide the Town with additional supply to meet demands and needed redundancy in its water supply system. Both wells need to be replaced due to the age of the existing wells. Construction is expected to occur during the spring of 2015.

L O C A T I O N	
<i>County:</i>	Adams & Arapahoe
<i>Water Source:</i>	Non-Tributary Groundwater
<i>Drainage Basin:</i>	South Platte
<i>Division:</i>	1
<i>District:</i>	1

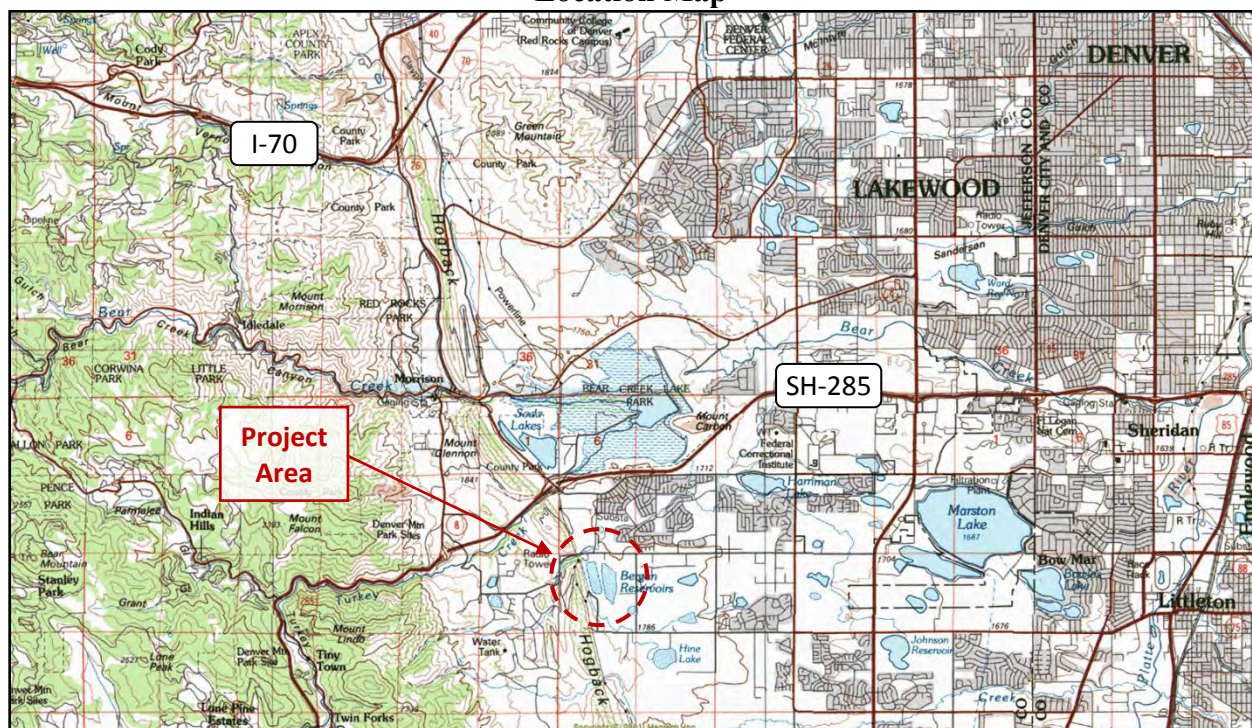


Water Project Loan Program – Project Data Sheet

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.

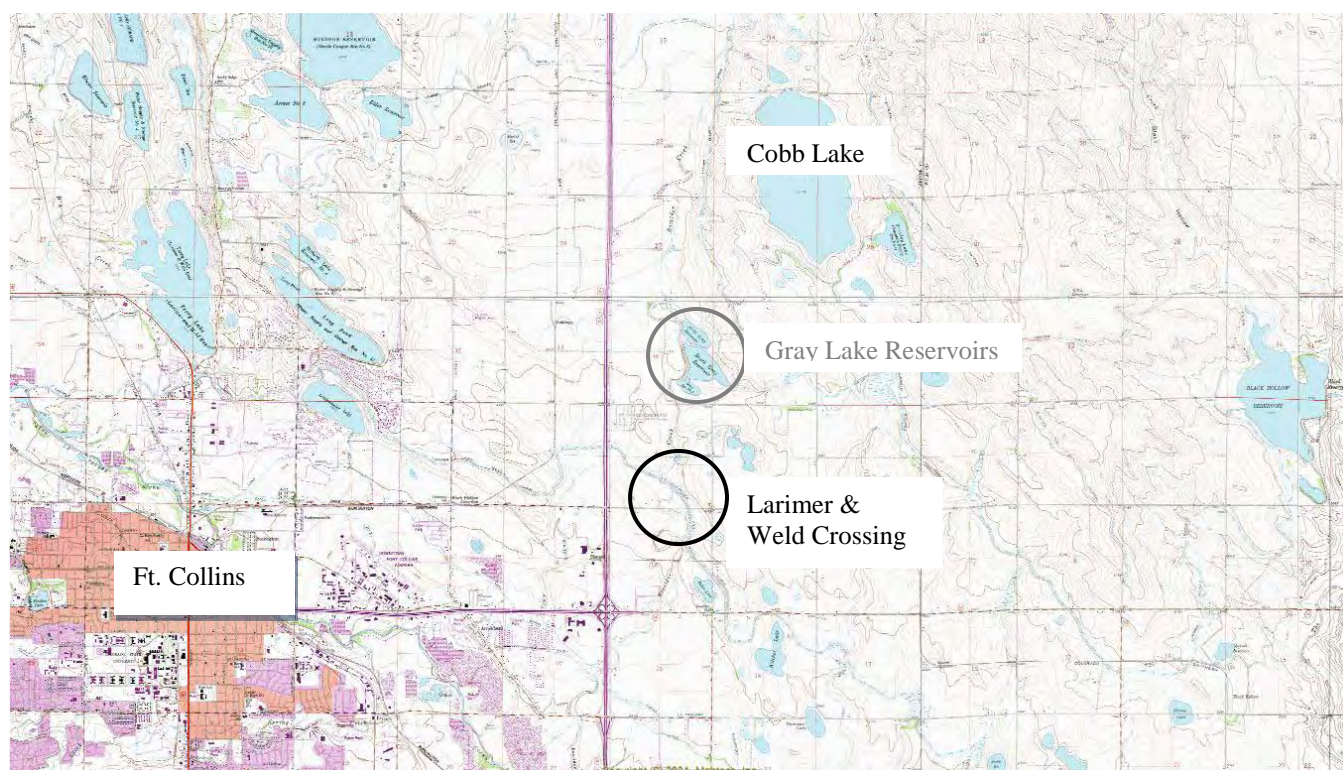
Location Map



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

Borrower: Boxelder Basin Regional Stormwater Authority	County: Larimer
Project Name: Larimer-Weld Canal & Boxelder Creek Crossing Structure	Project Type: Flood Control
Drainage Basin / District: South Platte / 3	Water Source: Boxelder Creek
Total Project Cost: \$1,139,000	Funding Source: Construction Fund
Type of Borrower: Middle Income Municipal	Average Annual Diversion: N/A
CWCB Loan: \$1,010,000 (with 1% service fee)	Interest Rate: 2.75% Term: 15-years (rate reduced from 3.0% for middle income municipal)

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



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

Borrower: Boxelder Basin Regional Stormwater Authority

County: Larimer

Project Name: East Side Detention Facility

Project Type: Flood Control

Drainage Basin/ District: South Platte / 3

Water Source: Boxelder Creek

Total Project Cost: \$8,761,000

Funding Source: Construction Fund

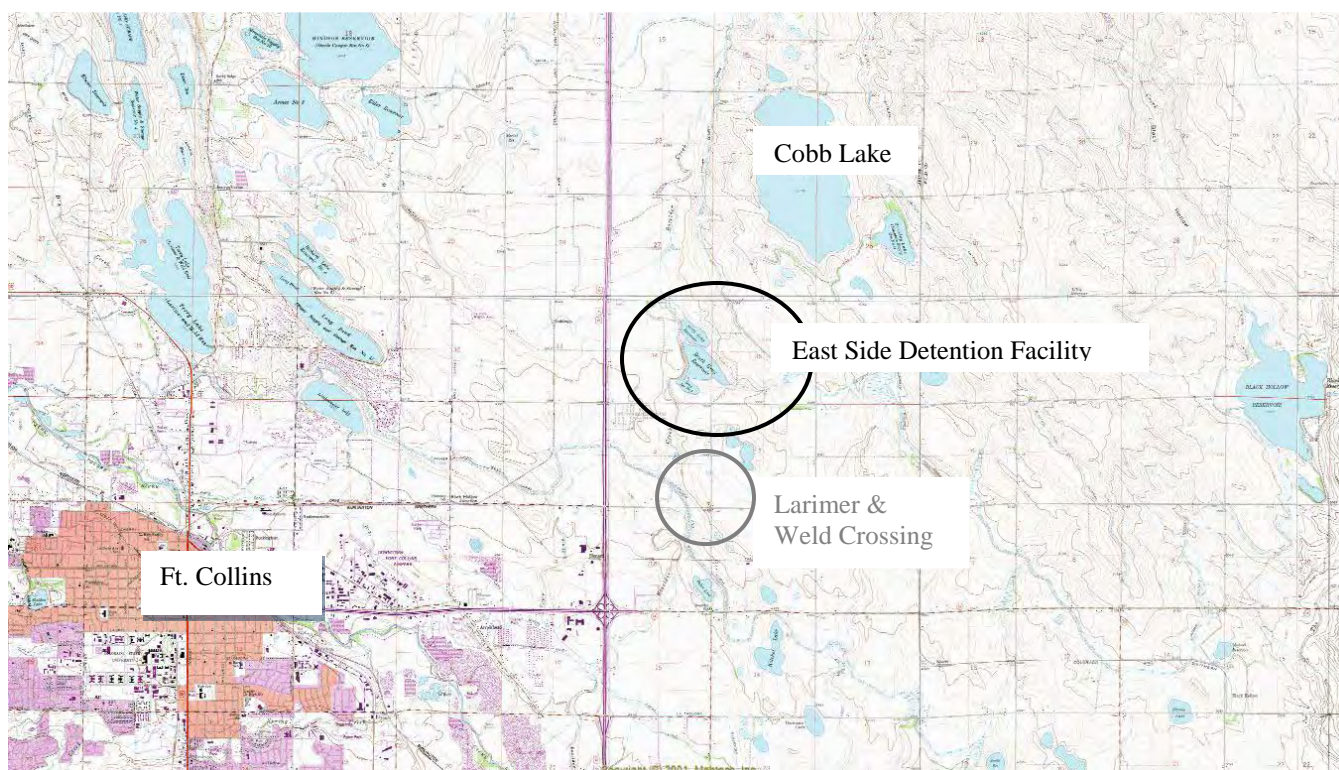
Type of Borrower: Middle Income Municipal

Average Annual Diversion: N/A

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

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

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



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

C150393

Borrower: Boxelder Basin Regional
Stormwater Authority

County: Larimer

Project Name: County Road 52 Improvements

Project Type: Flood Control

Drainage Basin/ District: South Platte / 3

Water Source: Boxelder Creek

Total Project Cost: \$1,850,000

Funding Source: Construction Fund

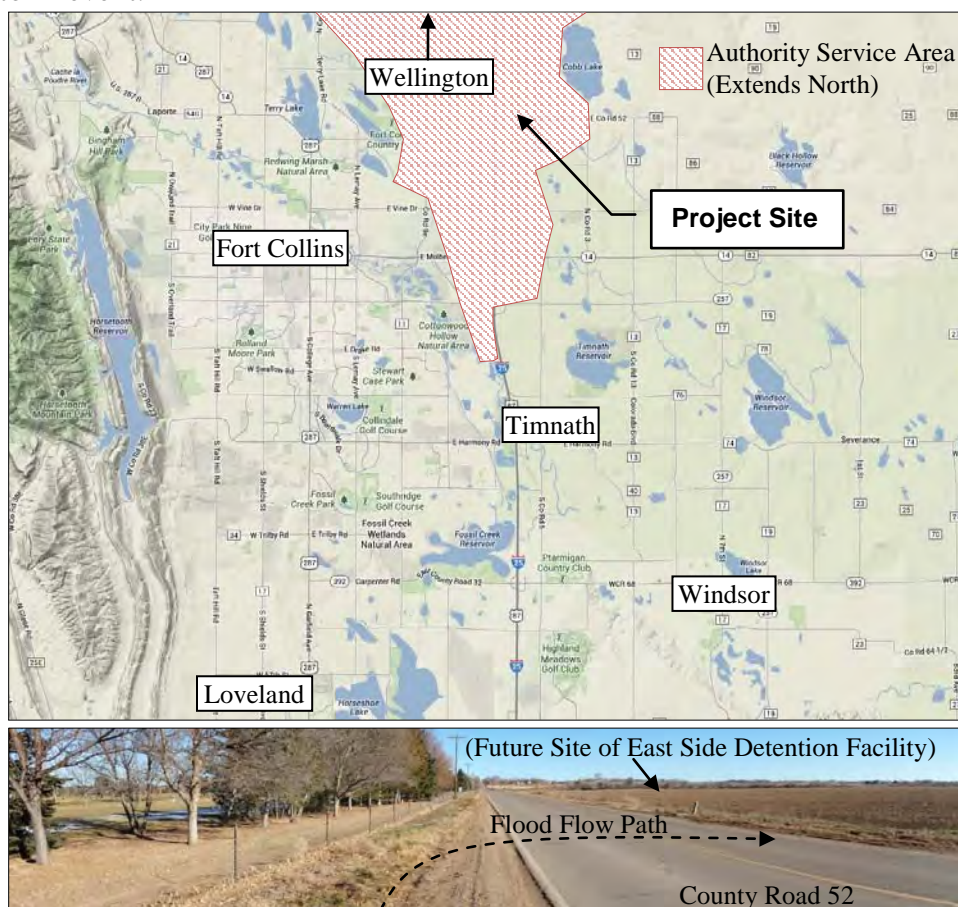
Type of Borrower: Middle Income Municipal

Average Annual Diversion: N/A

CWCB Loan: \$818,100
(with 1% service fee)

Interest Rate: 2.50% **Term:** 15 years
(Reduced from 2.75% for middle income municipal)

The Boxelder Basin Regional Stormwater Authority was formed in 2008, through an IGA between Fort Collins, Larimer County, and Wellington, to facilitate the construction of regional stormwater improvements to reduce the threat of flooding and remove areas from the FEMA floodplain in the Boxelder Creek basin. The County Road 52 Improvement Project will be completed in conjunction with the Authority's East Side Detention Facility (CWCB Loan Contract C150352) and Larimer and Weld Canal Crossing Structure (CWCB Loan Contract C150353). This Project will install box culverts under County Road 52 to reduce roadway overtopping in a 100-year storm event. Altogether, these projects are expected to reduce downstream flows in Boxelder Creek from over 7,000 cfs to less than 2,400 cfs during a 100-year storm event.

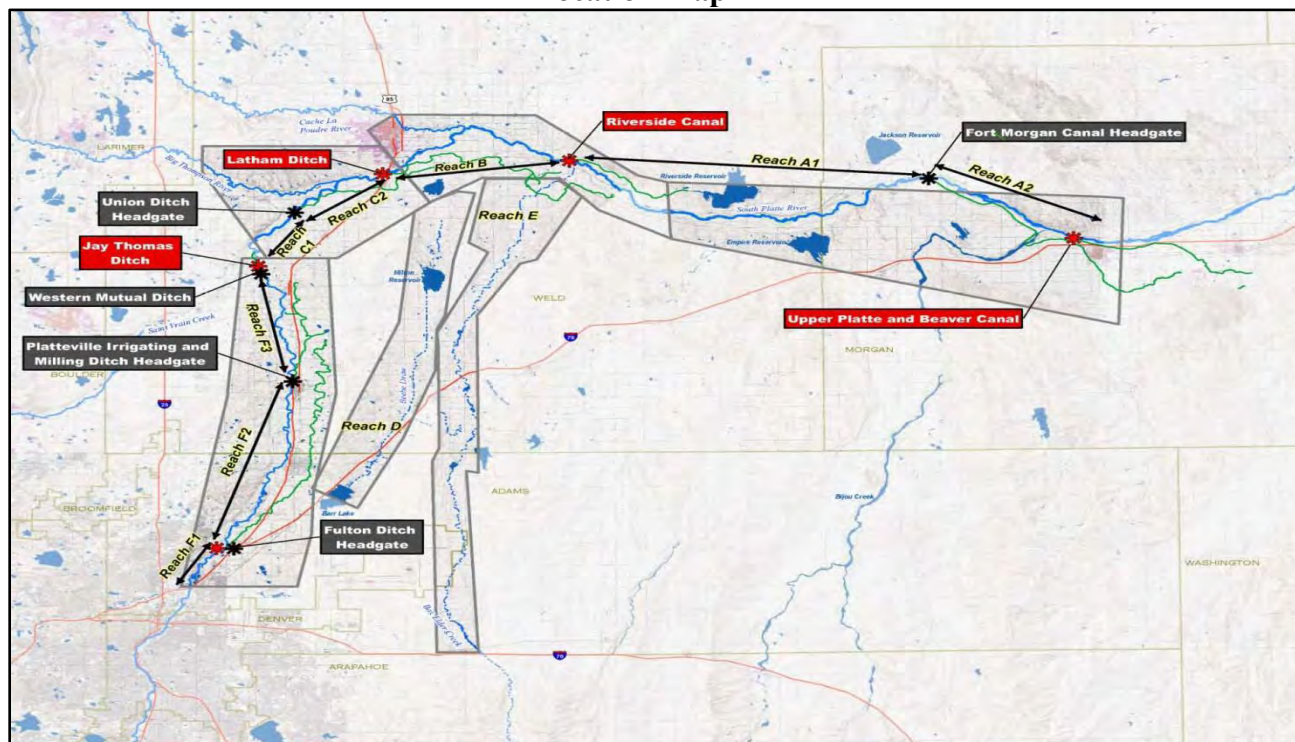


Water Project Loan Program – Project Data Sheet

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 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

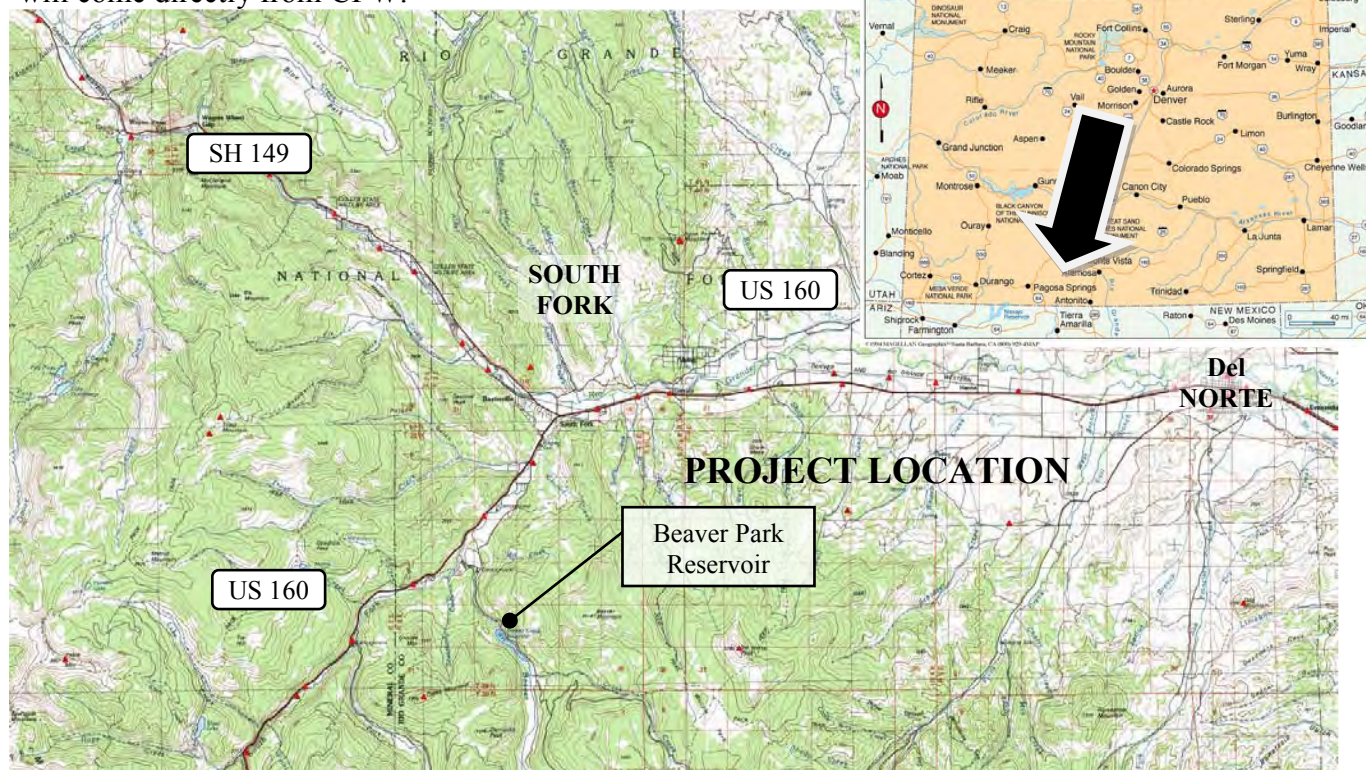
Average Annual Diversion: 4,434 AF

Restricted Capacity Reclaimed: 2,201 AF

CWCB Loan: \$10,000,000

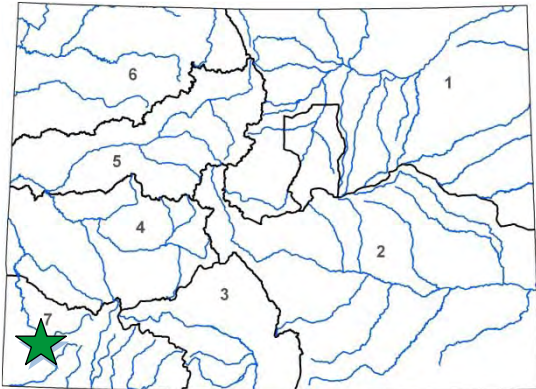
Interest Rate: 0% **Term:** 30-year

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.





L O A N D E T A I L S	
Project Cost:	\$1,200,000
CWCB Loan (with Service Fee):	\$858,500
Loan Term and Interest Rate:	10 Years @ 2.1%
Funding Source:	Construction Fund
B O R R O W E R T Y P E	
Agriculture	Municipal Commercial
0%	100% Low - 0% Mid - 0% High 0%
P R O J E C T D E T A I L S	
Project Type:	Meter replacement
Average Annual Delivery:	2,600 AF



L O C A T I O N	
County:	Montezuma
Water Source:	Dolores River
Drainage Basin:	San Juan / Dolores
Division:	7 District: 71

The City supplies potable water to the residents of Cortez, the Ute Mountain Ute Tribe, and Montezuma County Water District No. 1. Its supply comes from McPhee Reservoir. The existing system has 3,400 meters that range in age from 25 to 70 years old. The meters are inaccurate and are failing to capture customer usage information. The City intends to replace the meters with smart meters that will provide data storage and the ability to better manage water within the distribution system. The City is also applying for a \$50,000 Water Efficiency Grant from the CWCB and a \$200,000 grant from DOLA. All work is expected to occur in 2015.



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 Water Project Loan Program
Project Data Sheet**

C150360

Borrower: East Mesa Water Company

County: Pitkin, Garfield

Project Name: Ditch Piping Project

Project Type: Ditch Rehabilitation

Drainage Basin/District: Colorado/38

Water Source: Crystal River

Total Project Cost: \$550,000

Funding Source: Construction Fund, NRCS

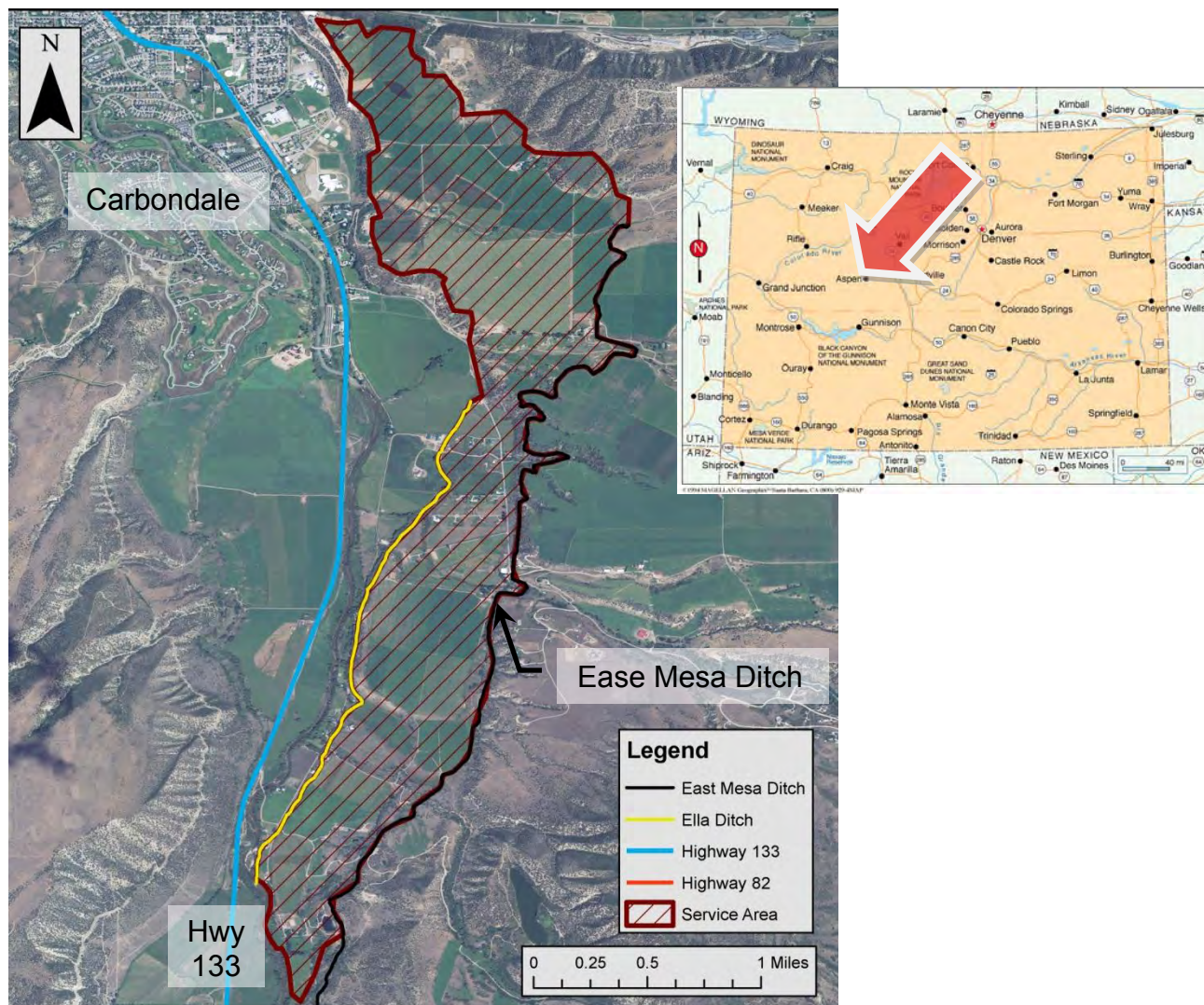
Type of Borrower: Agricultural

Average Annual Diversion: 9,669AF

CWCB Loan: \$555,500 (initial loan)
\$255,500 (long term - post construction loan w/service fee)

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

This Company is located in the Crystal River Valley in the western portion of Pitkin County and provides irrigation water diverted out of the Crystal River. The earthen ditch enters a 650 foot long rock tunnel that is collapsing. The Company is working with the NRCS to realign the ditch to avoid the tunnel by putting the ditch into a new 1,450 foot HDPE pipe. The Company serves 12 shareholders and is primarily used to grow hay and forage crops for cattle ranching. The Company is approved for grant funding from NRCS and construction is anticipated to occur in the fall of 2013.



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

Borrower: Eckhardt Farms Inc.

County: Weld

Project Name: Water Rights Purchase

Project Type: Water Rights Purchase

Basin: South Platte **District:** 1

Water Source: Western Mutual Ditch

Total Project Cost: \$1,470,000

Funding Source: Construction Fund

Type of Borrower: Agricultural

Average Annual Diversion: 694 AF

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

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



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

C150402

Borrower: The Ephraim Ditch Company

County: Rio Grande

Project Name: Ephraim Diversion and
Headgate Rehabilitation

Project Type: Ditch Rehabilitation

Drainage Basin/ District: Rio Grande / 22

Water Source: Conejos River

Total Project Cost: \$201,500

Funding Source: Construction Fund,
WSRA Grants

Type of Borrower: Agricultural

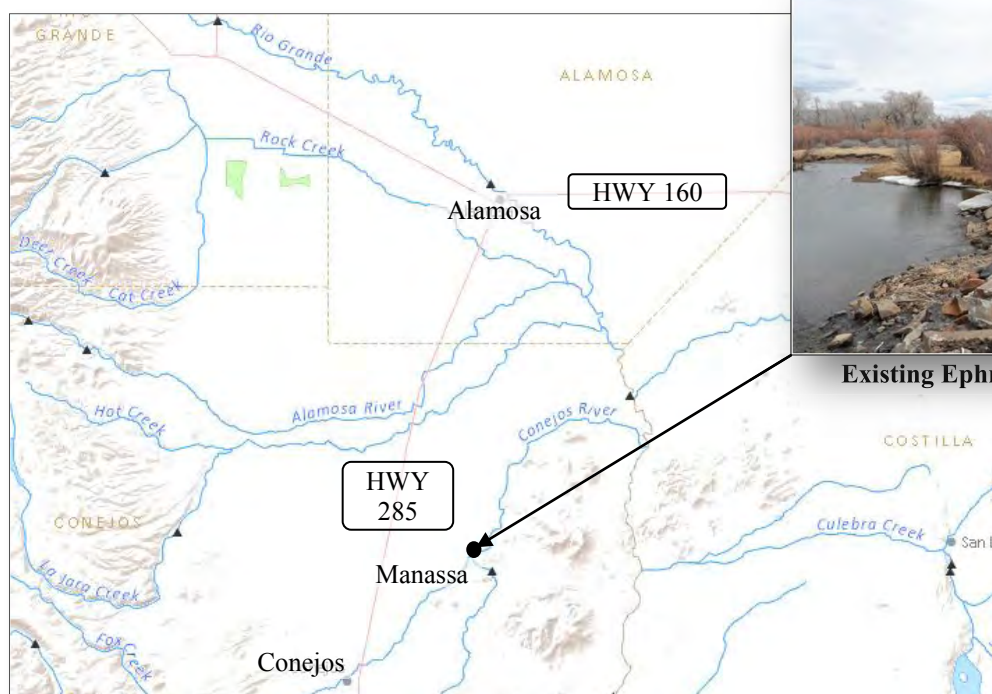
Average Annual Diversion: 4,100 AF

CWCB Loan: \$101,000
(with 1% service fee)

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

The Ephraim Ditch Company formed in 1883 and incorporated in 1927 as a Mutual Ditch Company. Its diversion is located on the Conejos River just below the confluence with the San Antonio River and a service area covering approximately 5,000 irrigated acres. The purpose of this Project is to address the need for a well-designed diversion structure that will reduce maintenance, improve water management efficiencies, and allow for the accurate control of compact-entitled waters. The core of the Ephraim Ditch diversion structure has been washed away over time, contributing to decades of limited diversion to irrigators and potential over payment to the Compact. Currently irrigators divert their water right by piling debris such as tree trunks or cinderblocks to act as the diversion dam. This Project will remove and replace the diversion and headgate structure and install automated headgates and five gauging stations. Construction is expected to start around July 2015.

This Project is one of three projects collectively known as the Conejos River System Confluence Management Project, managed by the Conejos Water Conservancy District. The District has taken a proactive “whole river” system approach to water management and, over the past few years, has improved the efficiency and stability of many diversions, developed real-time water management data, and studied the effects on return flows from irrigated areas from groundwater withdrawals. The Confluence Management Project will extend this whole river strategy to the Confluence, specifically to the Sanford Canal, Ephraim Ditch, and East Bend Ditch.



Existing Ephraim Ditch Diversion

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

C150394

Borrower: Farmers Pawnee Canal Company

County: Logan

Project Name: Diversion Structure Replacement Project

Project Type: Diversion Structure

Drainage Basin/ District: South Platte / 64

Water Source: South Platte River

Total Project Cost: \$2,047,000

Funding Source: Construction Fund

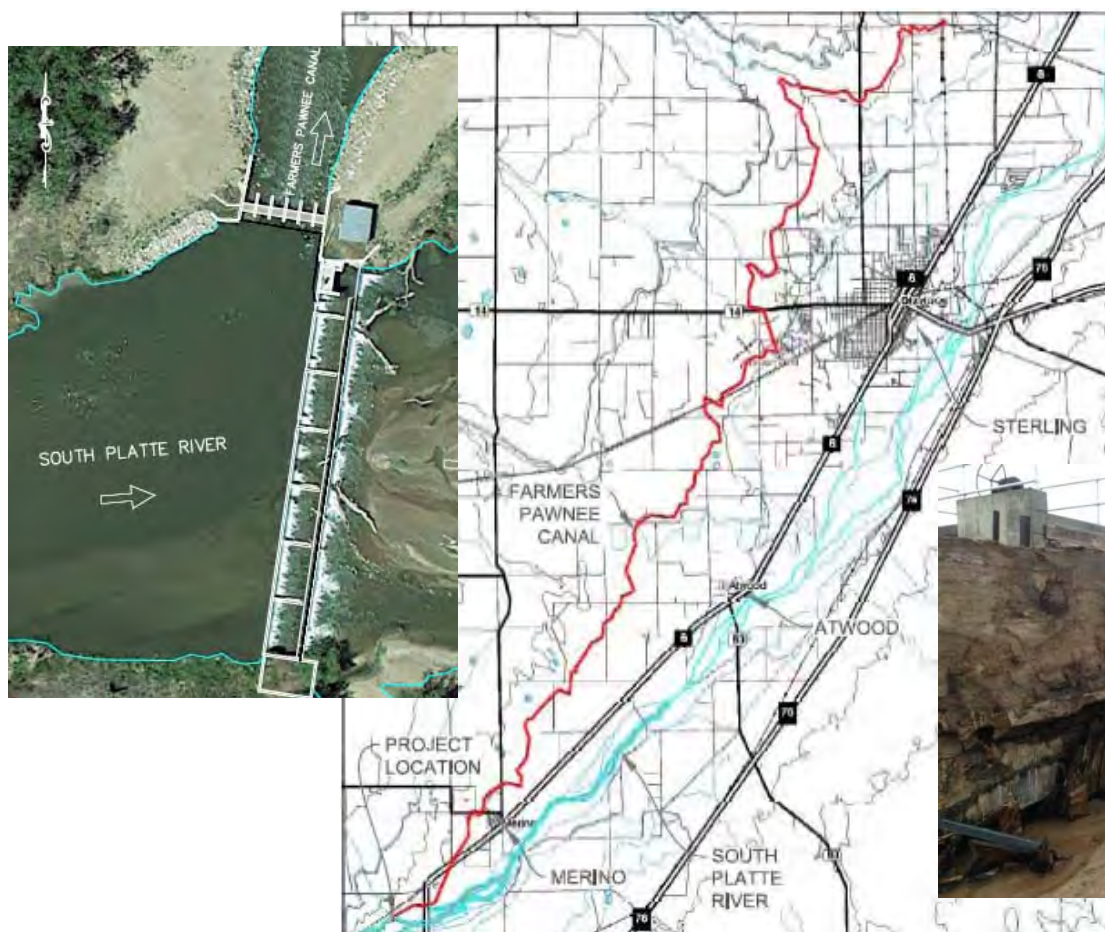
Type of Borrower: Agricultural

Average Annual Diversion: 27,956 AF

CWCB Loan: \$2,067,470
(with 1% service fee)

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

The Company provides irrigation water to a 10,000 acre service area, extending from one mile south of Merino to four miles north of Sterling along the west side of the South Platte River. The Company's diversion structure is 218-foot long rollover diversion dam that spans the width of the river. Adjacent to the dam is the Company's 40-foot canal headgate structure. Both structures were originally built in 1926. After the September 2013 flood, the river began to undermine the structures. Attempts to repair the structures with additional steel sheet piling and concrete were not successful and the undermining worsened. The Company intends to rebuild the diversion dam and canal headgate. Replacement of the diversion dam provides the Company with an opportunity to utilize an improved design and alleviate an ongoing maintenance issue of sand accumulation within the canal. Construction is expected to occur in the fall/winter of 2014/2015.



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

C150359

Borrower: Town of Fowler, Water Enterprise

County: Otero

Project Name: Augmentation Pipeline Project

Project Type: Augmentation

Drainage Basin/ District: Arkansas / 17

Water Source: Arkansas River

Total Project Cost: \$305,000

Funding Source: Construction Fund

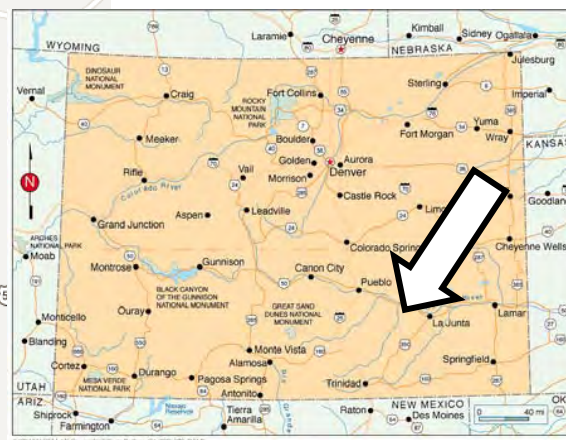
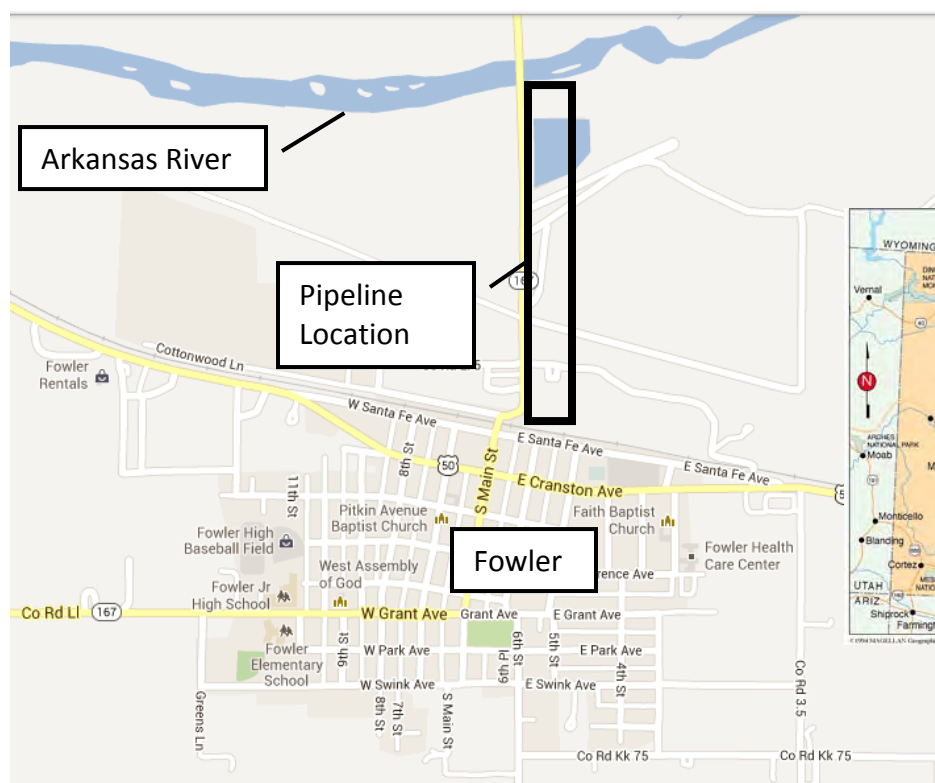
Type of Borrower: Municipal (Low)

Average Annual Diversion: 157 AF

CWCB Loan: \$277,245
(with 1% Service Fee)

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

The Town is located in Otero County along Highway 50, approximately 35 miles east of Pueblo. It has approximately 1,185 residents. The Town's water system service area includes the Town and adjacent areas within unincorporated Otero and Crowley Counties for a total of 709 taps. Per a water court mandate, the Town must separate its augmentation water from its stormwater. The purpose of this project is to construct a diversion box to separate stormwater from augmentation water and to pipe the augmentation water to the Arkansas River. Construction of the Project is scheduled for the fall of 2013 with completion expected to occur by the end of the year.



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

C150399

Borrower: Fulton Irrigation Ditch Company

County: Adams

Project Name: Diversion Structure Rehabilitation Project

Project Type: Diversion Rehabilitation

Drainage Basin/ District: South Platte / 2

Water Source: South Platte River

Total Project Cost: \$2,230,000

Funding Source: Construction Fund

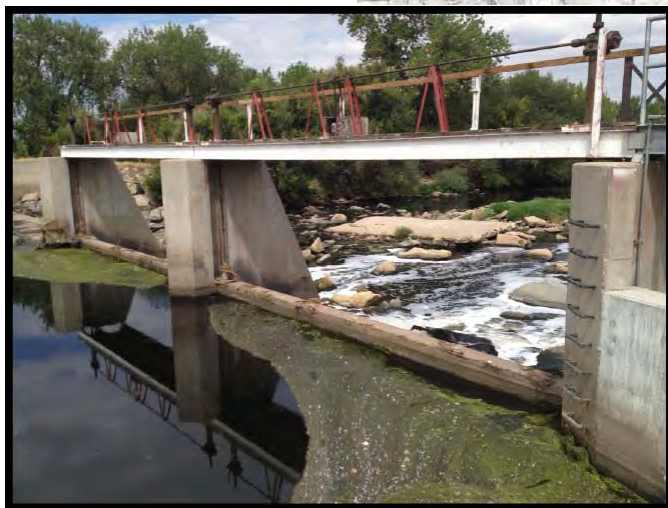
Type of Borrower: Blended

Average Annual Diversion: 29,684 AF

CWCB Loan: \$2,027,070
(with 1% service fee)

Interest Rate: 2.45% **Term:** 30-years

The purpose of the Project is to replace the Company's South Platte River diversion gates and rehabilitate the existing trash rack. The Project will also include the reconstruction of the Branch Ditch Diversion Structure on the Fulton Ditch. The Company diverts South Platte River water near 100th Ave. in Commerce City to a 38,000 acre service area. Sago pond weed in the South Platte River has escalated and is beginning to obstruct the flow of water through the existing trash rack. Construction is expected to occur in the fall/winter of 2014/2015.



**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

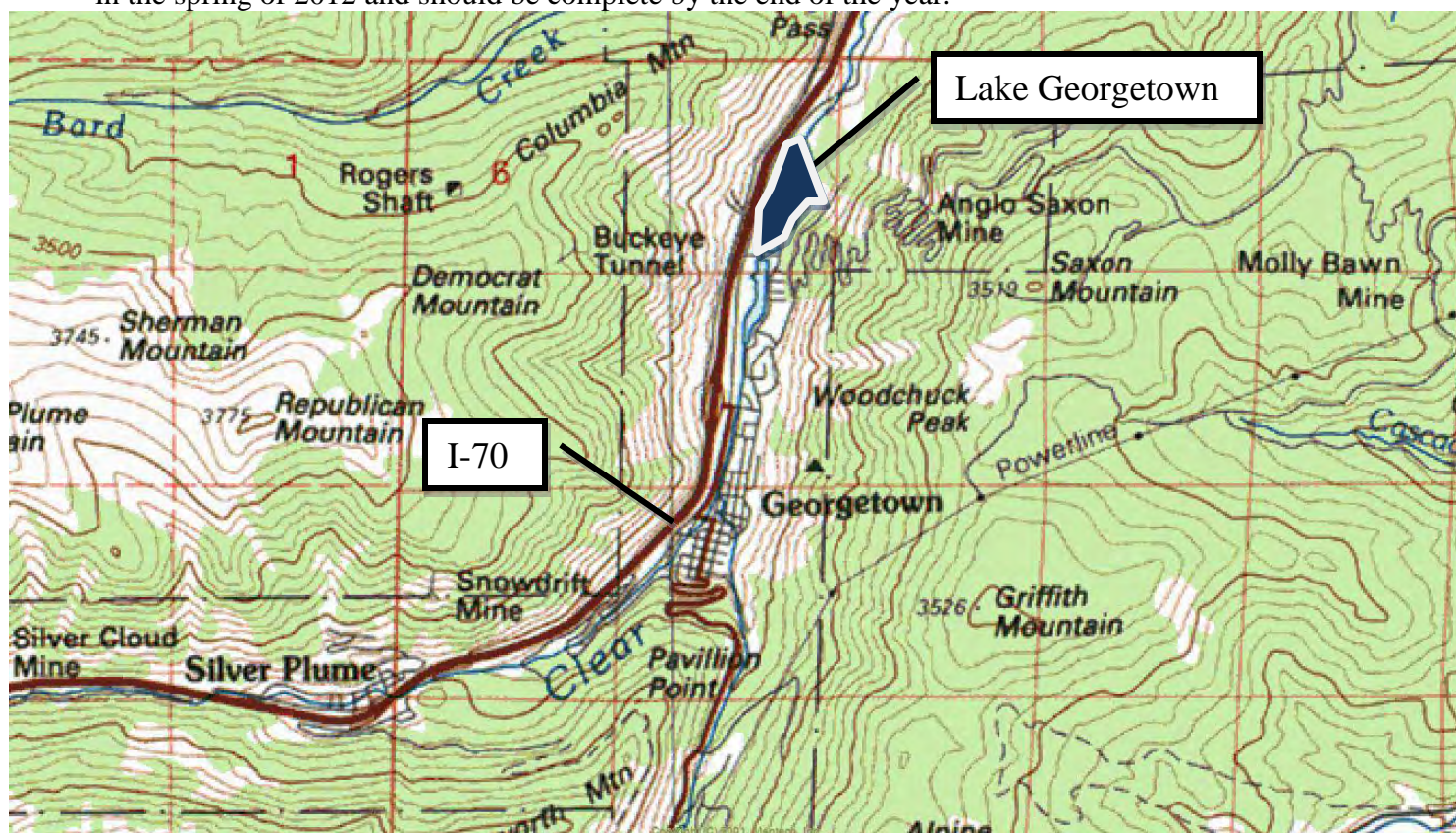
Type of Borrower: Middle-Income Municipal

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.



CWCW Water Project Loan Program Project Data Sheet

Borrower: Grand Mesa Water Conservancy District

County: Delta

Project Name: Peak Reservoir and Blanche Park Reservoir Rehabilitation

Project Type: Reservoir Rehabilitation

Drainage Basin/ District: Gunnison / 40

Water Source: Surface Creek

Total Project Cost: \$640,000

Funding Source: Construction Fund/
WSRA Gunnison Basin Funds

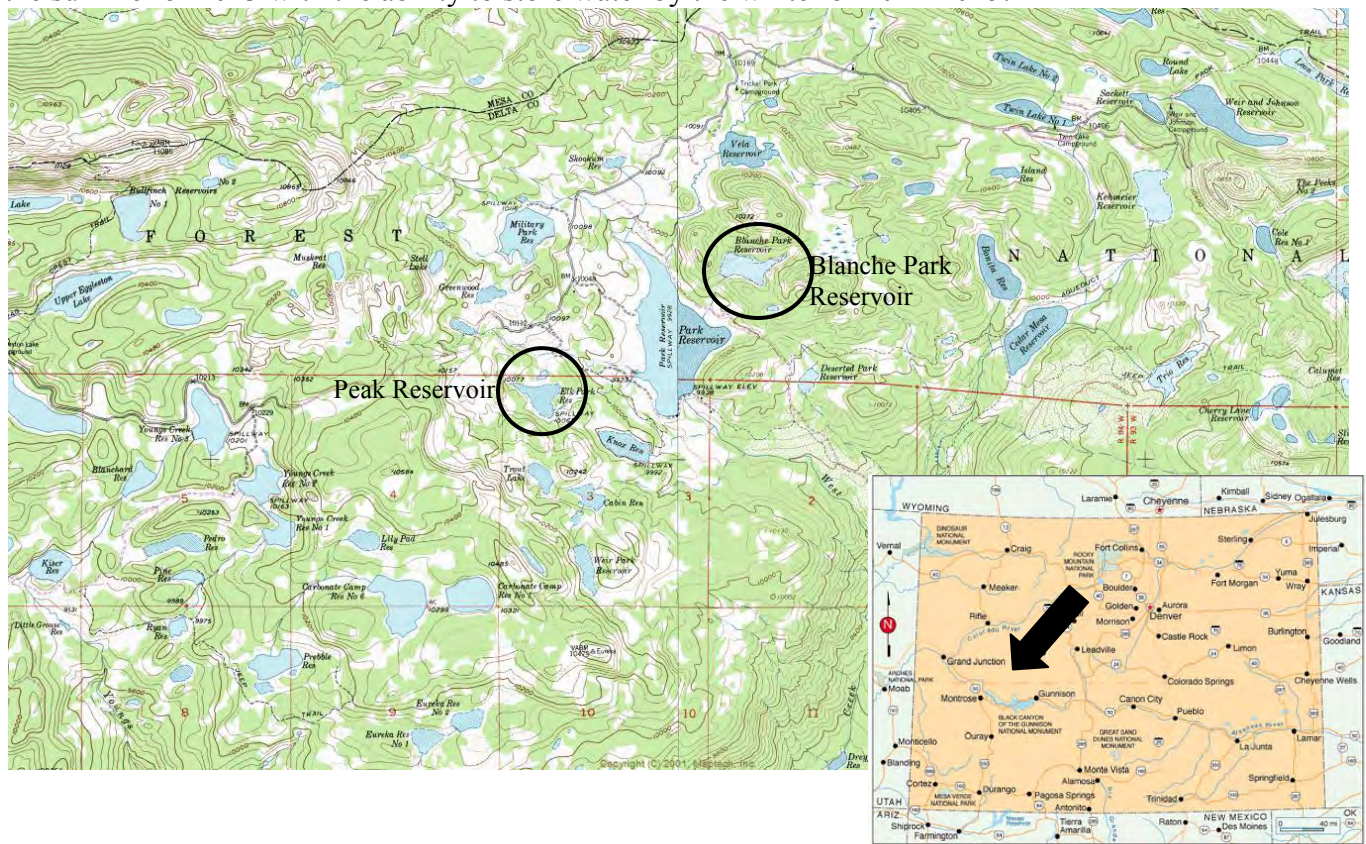
Type of Borrower: Municipal/Agricultural

Average Annual Diversion: 400 AF
Storage Added: 155 AF

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

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

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



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

C150362

Borrower: Greeley and Loveland Irrigation
Company

County: Larimer

Project Name: Irrigation System Improvements

Project Type: Reservoir Rehabilitation

Drainage Basin/ District: South Platte / 4

Water Source: Big Thompson River

Total Project Cost: \$3,470,000

Funding Source: Construction Fund

Type of Borrower: Agricultural

Average Annual Diversion: 45,000 AF

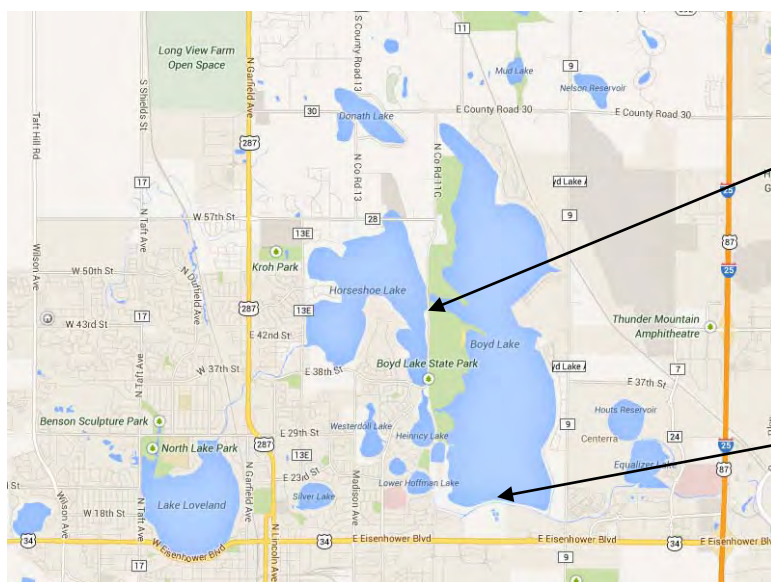
CWCB Loan: \$3,154,230
(with 1% service fee)

Interest Rate: 2.15% **Term:** 30-years
(34% Ag, 53% Low, 12% Mid, <1% High, <1% Com)

The Greeley and Loveland Irrigation Company (Company) is a mutual ditch company established in 1900. Together with the Seven Lakes Reservoir Company (Seven Lakes), they own and operate nine reservoirs, and control the Greeley and Loveland Canal.

Boyd Lake, owned by the Company, is the largest reservoir in the irrigation system and has a surface area of 1,750 acres with a storage capacity of 4,874 acre-feet. The Boyd Lake project will replace the high-level reservoir inlet and outlet from the Greeley and Loveland Irrigation Canal so that the Company can discharge water into Boyd Lake for storage during low reservoir levels, or discharge water back into the canal for deliveries during high reservoir levels.

Horseshoe Lake, owned by Seven Lakes, has a surface area of 650 acres and a storage capacity of 8,051 acre-feet. The Horseshoe Lake project will be used to increase the conveyance capability from Horseshoe Lake into Boyd Lake to 1,100 cfs, at higher reservoir levels, so the Company and Seven Lakes can more efficiently provide irrigation water to shareholders.



Existing Horseshoe Lake High-Level Outlet



Existing Boyd Lake High-Level Outlet

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

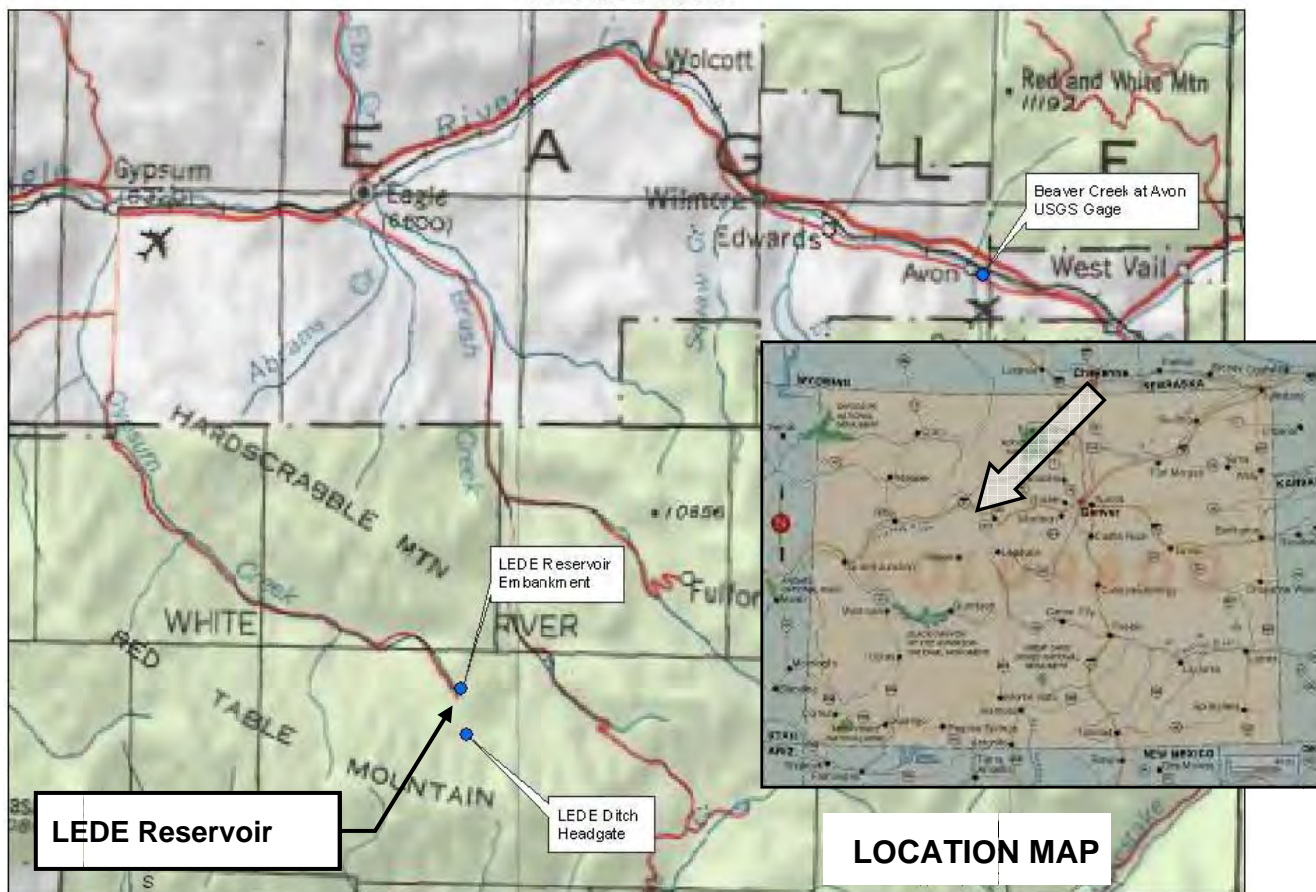
New Storage: 254 AF

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.

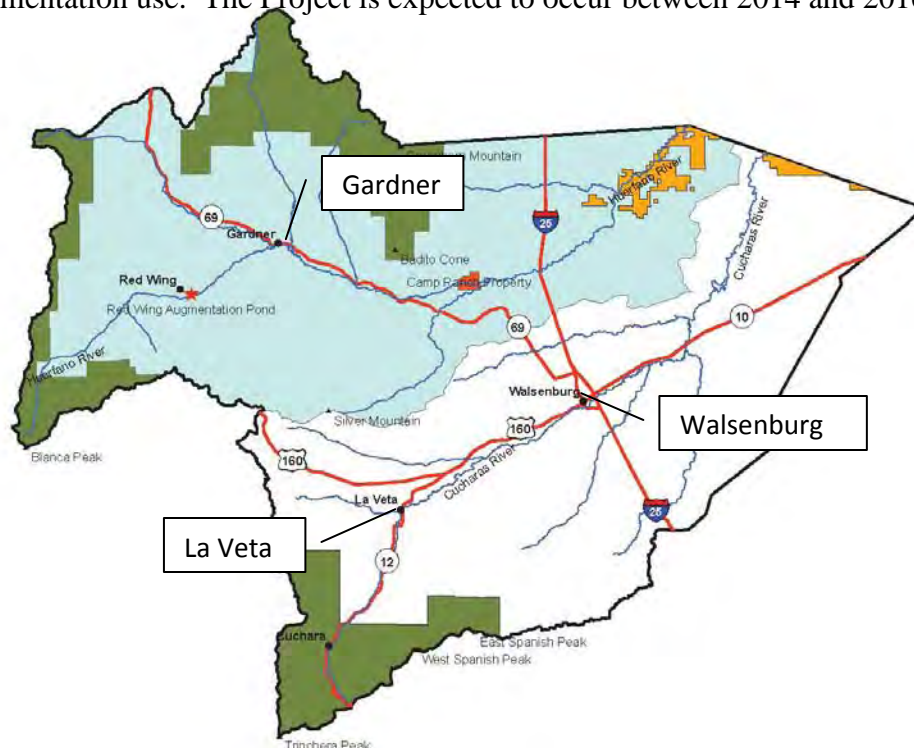
General Locations



Water Project Loan Program Project Data Sheet

Borrower:	Huerfano County Water Conservancy District	County:	Huerfano		
Project Name:	Regional Augmentation Project	Project Type:	Water Rights Acquisition and Augmentation		
Drainage Basin:	Arkansas / District 67	Water Source:	Huerfano River		
Total Project Cost:	\$3,050,000	Funding Source:	Construction Fund		
Type of Borrower:	Low-Income Municipal	Avg. Annual Diversions:	19.5 AF		
CWCB Loan:	\$2,222,000 (w/ 1% service fee)	Interest Rate:	2.25%	Term:	30 years

The Huerfano County Water Conservancy District is applying for a CWCB loan to develop a regional augmentation program to replace depletions of wells in unincorporated communities in Huerfano County through a regional augmentation program. Within Huerfano County there are many water users that are at risk of being curtailed due either to being out of priority or due to failing (or failed) augmentation plans. The users include schools and domestic, commercial, and agricultural users. The District has utilized a Substitute Water Supply Plan and Regional Rule 14 Replacement Plan from 2009 to 2013 to provide augmentation water to five entities that were in danger of having water use curtailed due to out of priority usage. The District believes that other water users will find it necessary to join the regional augmentation plan and the Division Engineer has indicated an urgent need for such a plan. Project components include: the purchase of land and water rights, the construction of a recharge reservoir, and the construction of a reservoir for augmentation use. The Project is expected to occur between 2014 and 2016.



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

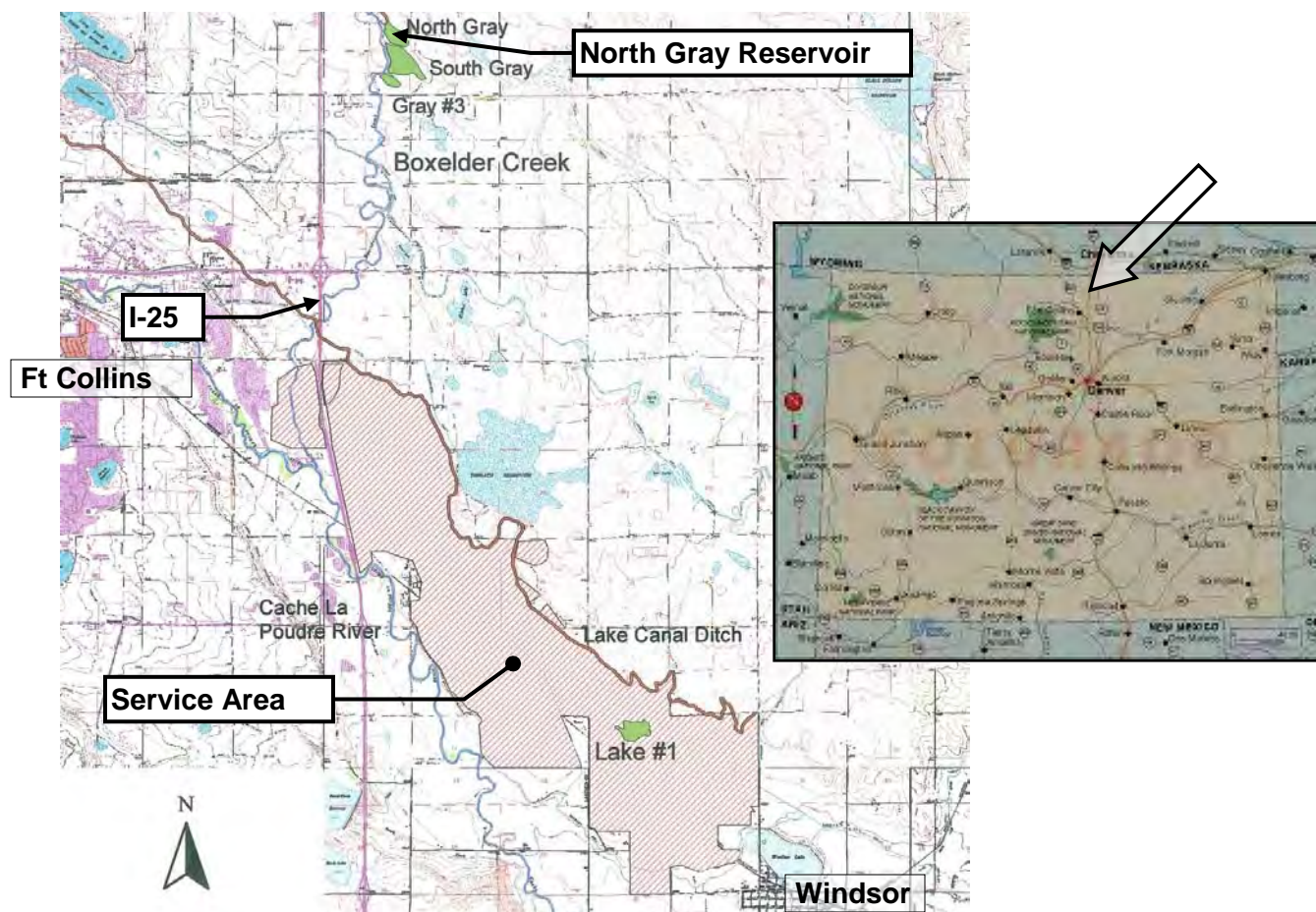
Details: 333 AF Stored
75 AF Recovered

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%.



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

Borrower: Lake Durango Water Authority

County: La Plata

Project Name: Source Water Supply Project

Project Type: Water Rights
Purchase/Infrastructure

Drainage Basin: San Juan / Dolores

Water Source: ALP

Total Project Cost: \$3,000,000

Funding Source: Construction Fund and
WSRA Statewide Funds

Type of Borrower: Low-income Municipal

Average Delivery: 309 AF

CWCB Loan: \$2,525,000 (w/ 1% service fee)

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

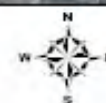
WSRA Statewide Grant: ~~\$500,000~~ **\$450,000**

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



0 0.4 0.8 1.6 2.4
Miles

2009 NAIP aerial imagery provided by
the US Farm Service Agency



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)

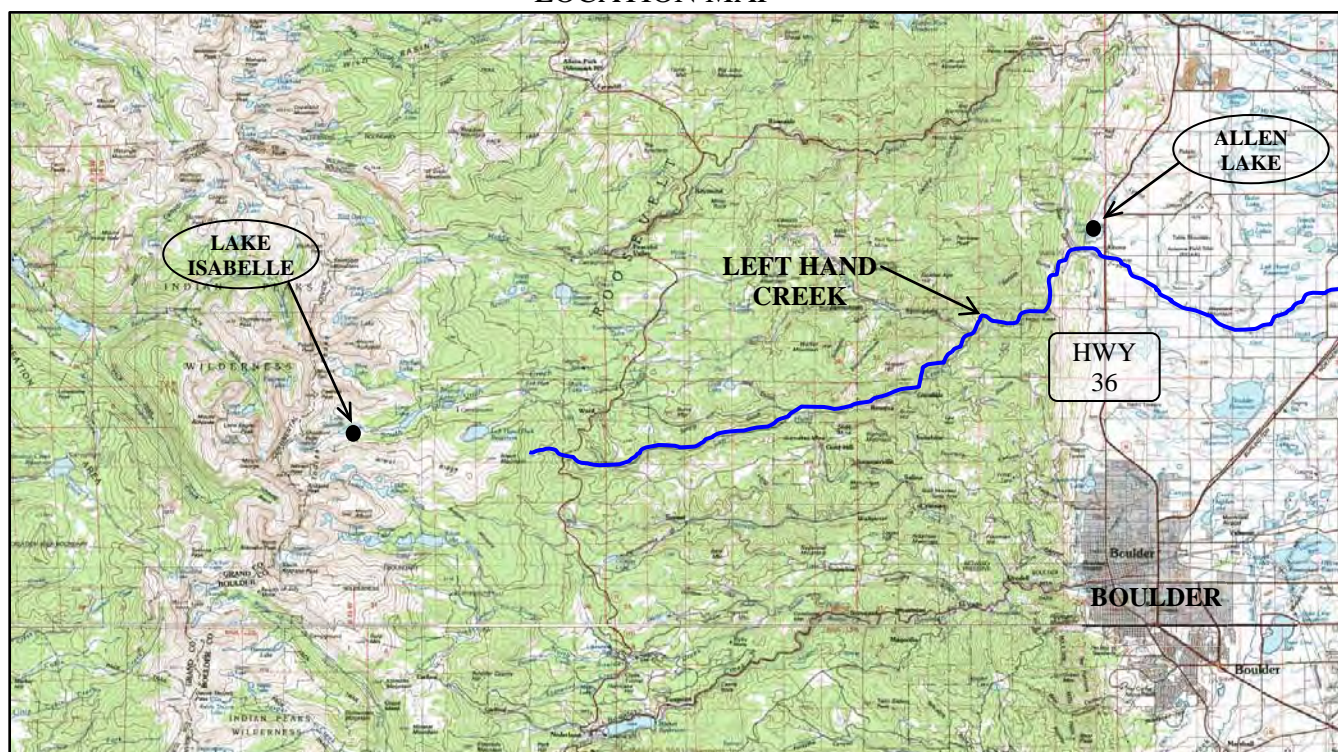
Avg. Annual Delivery: 22,700 AF

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



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

C150398

Borrower: Louden Irrigating Canal
and Reservoir Company

County: Larimer

Project Name: Emergency Diversion Structure
and Ditch Repair

Project Type: Ditch Rehabilitation

Drainage Basin/ District: South Platte / 4

Water Source: Big Thompson River

Total Project Cost: \$215,000

Funding Source: Severance Tax PBF

Type of Borrower: Blended

Average Annual Diversion: 8,000 AF

CWCB Loan: \$161,600
(with 1% service fee)

Interest Rate: 2.70% **Term:** 30-years
(25% Ag, <1% Low, 61% Mid, 8% High, 6% Com)

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged, including the Company's river diversion. The ditch was diverting water as the September storm started. As the flood progressed, the headgates could not be safely reached for operations. Water overtopped the headgate structure by at least 4 feet resulting in damage to the headgate and ditch system. The first 3,000 feet of the ditch were totally filled with silt and debris. The ditch breached back to the river in two places and undercutting caused slides that threatened the ditch. Phase 1 will clean and rebuild the ditch and service road, and salvage the existing headgates to ensure general operation for the 2014 irrigation season. Phase 2 will replace the existing headgates with gates that are safer, more accurate, and capable of remote operation.



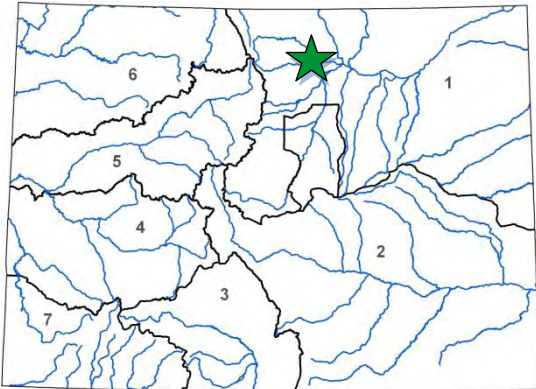


Cornish Water Rights Purchase

Lower Poudre Augmentation Company

May 2015 Board Meeting

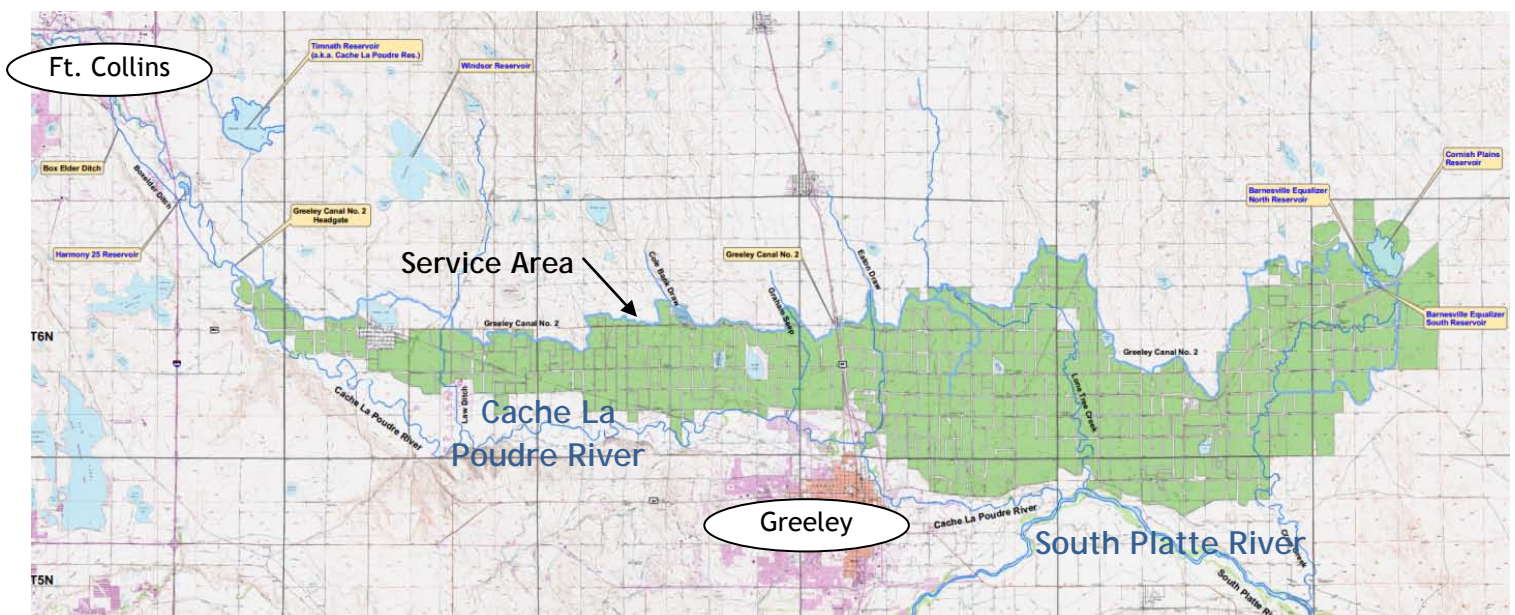
L O A N D E T A I L S	
Project Cost:	\$1,279,500
CWCB Loan (with Service Fee):	\$1,163,015
Loan Term and Interest Rate:	30 Years @ 1.75%
Funding Source:	Severence Tax Perpetual Base Fund
B O R R O W E R T Y P E	
Agriculture	Municipal Commercial
94%	1% Low - 4% Mid - <1% High 1%
P R O J E C T D E T A I L S	
Project Type:	Water Rights Purchase
Average Annual Delivery:	4,000 AF



L O C A T I O N	
County:	Larimer & Weld
Water Source:	Cache la Poudre River
Drainage Basin:	South Platte
Division:	1 District: 3

The Lower Poudre Augmentation Company provides augmentation water for 62 irrigation wells in Larimer and Weld Counties owned by 28 individual owners. The wells provide irrigation water to 4,000 acres. The Company currently has in place 1 AF of augmentation water per irrigated acre quota.

The Company's augmentation plan was awarded a decree under consolidated Case No. 04CW025/06CW295 in January 2014. Water rights that were changed to augmentation use in that decree include the Cornish Plains Farms water rights, which are made up of 34.5 shares of the New Cache La Poudre Irrigating Company and 4.0 shares of the Cache La Poudre Reservoir Company. These shares have been leased to the Company for use in its augmentation plan since 2004. This Project will purchase these shares for permanent inclusion in the Company's augmentation plan.



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

C150334

Borrower: The McDonald Ditch Company

County: Rio Grande

Project Name: McDonald Ditch Diversion
and Headgate Replacement Project

Project Type: Ditch Rehabilitation

Drainage Basin/ District: Rio Grande / 20

Water Source: Rio Grande River

Total Project Cost: \$1,085,200

Funding Source: Construction Fund

Type of Borrower: Agricultural

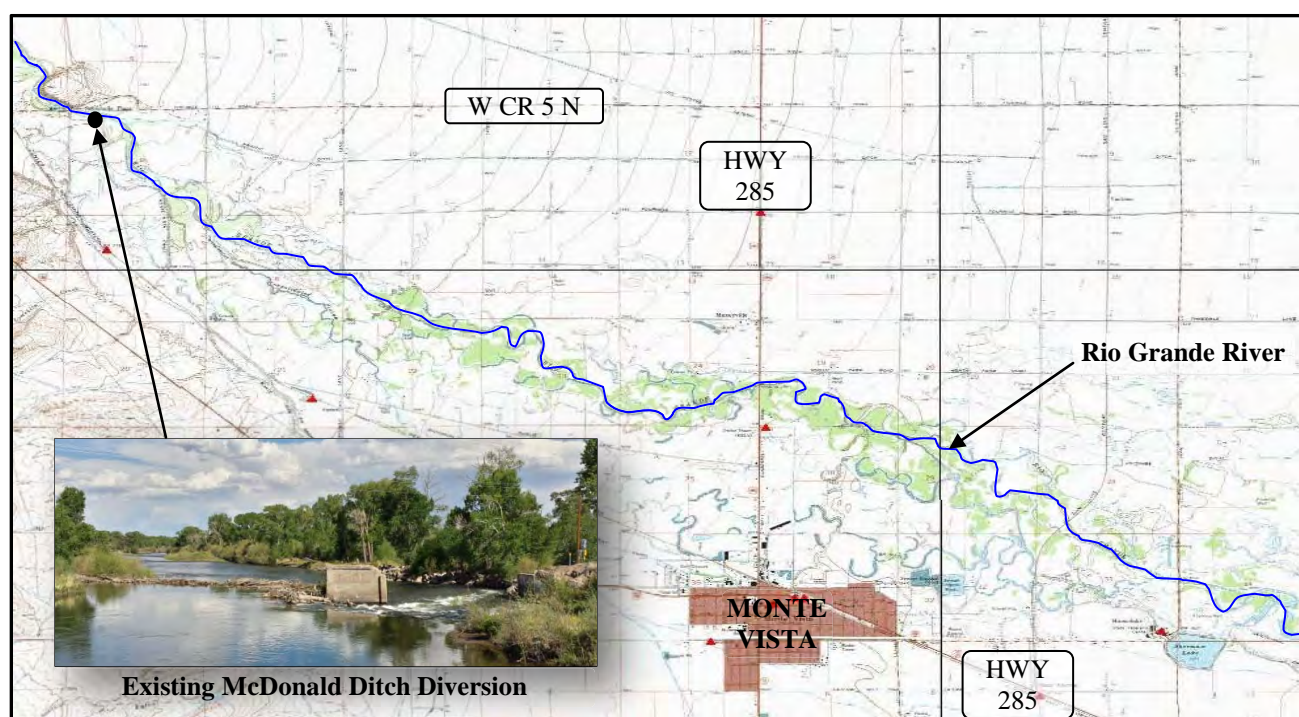
Average Annual Diversion: 45,000 AF

CWCB Loan: \$101,000
(with 1% service fee)

Interest Rate: 2.50% **Term:** 30-years

The McDonald Ditch Company is a Mutual Ditch Company formed in 1921. Their diversion structure and headgate were poorly designed and are rapidly deteriorating, presenting a growing maintenance burden for the Company. Both the diversion and headgate were highlighted as rehabilitation priorities in a 2001 study titled "Rio Grande Headwaters Restoration Project (RGHRP)." 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 and triggered a more localized effort known as the Plaza Project. Phase 2 of the Plaza Project includes the final engineering design and construction of a new diversion and headgate for the McDonald Ditch Company.

A loan to the McDonald Ditch Company was approved for this Project in May 2012 in the amount of \$70,700. During the final engineering design of the McDonald Ditch diversion structure, analysis showed that the chosen design of the diversion structure at the existing location would cause flooding in the local community including the upstream bridge of W CR 5 N (Sevenmile Plaza Bridge). The solution is to relocate the diversion structure and headgate just upstream of the bridge and has increased Project cost. This loan increase request of \$30,300 is sought to cover the Company's portion of the Project cost increase.



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

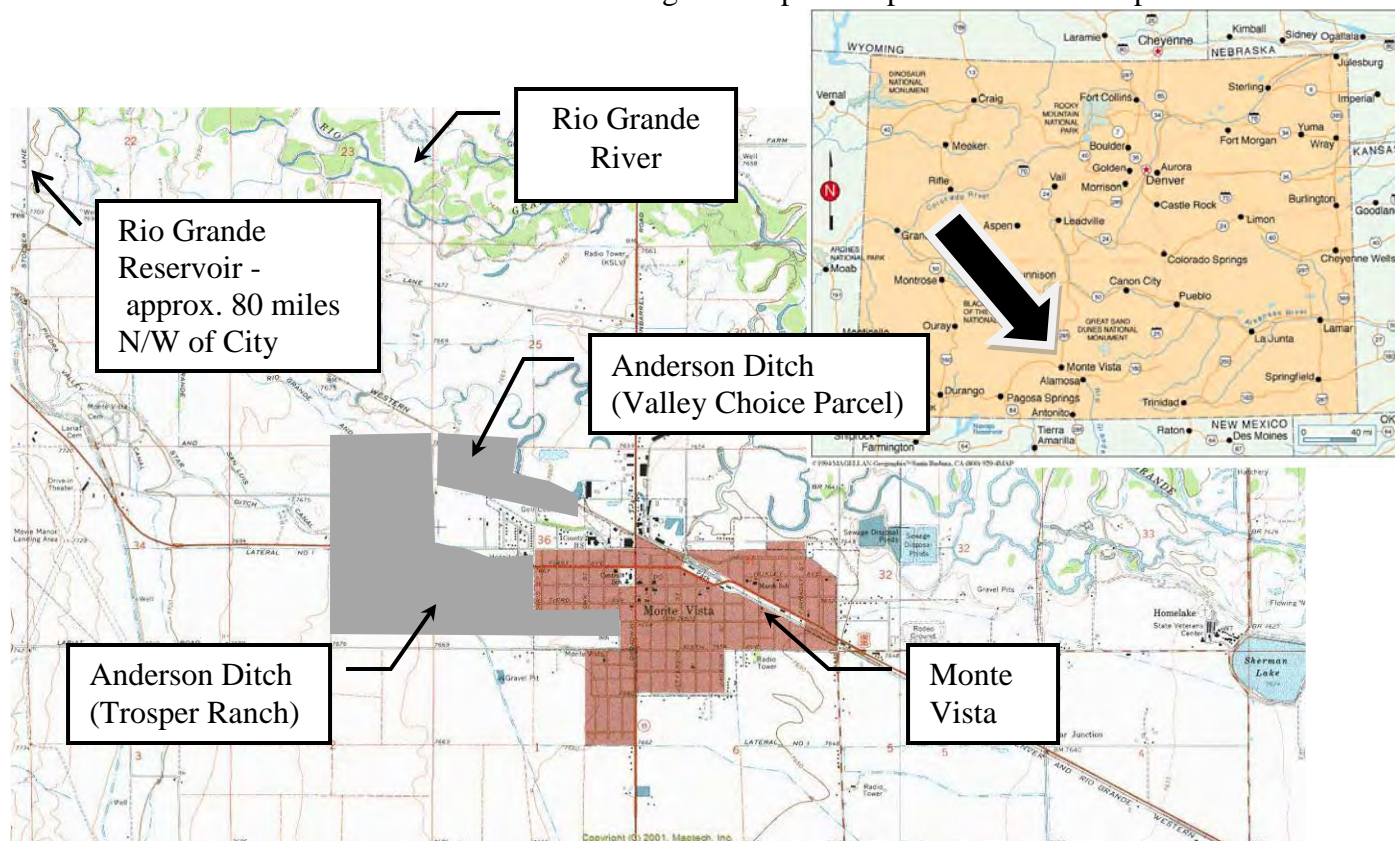
Water Source: Rio Grande River

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.

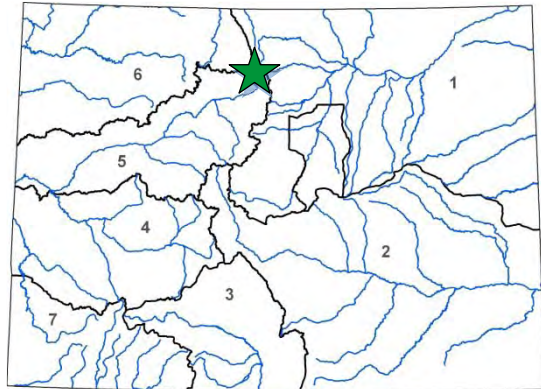


Location Map



Granby Hydropower Project
Northern Colorado Water Conservancy District
November 2014 Board Meeting

L O A N D E T A I L S	
Project Cost:	\$5,669,340
CWCB Loan (with Service Fee):	\$5,135,183
Loan Term and Interest Rate:	30 Years @ 2.0 %
Funding Source:	Severance Tax Perpetual Base Fund
B O R R O W E R T Y P E	
Hydropower	
P R O J E C T D E T A I L S	
Project Type:	Hydroelectric
Average Annual Power Production:	4.9M KWh



L O C A T I O N	
County:	Grand
Water Source:	Colorado River
Drainage Basin:	Colorado
Division:	5 District: 51

Northern Water Hydropower Water Activity Enterprise a government -business owned by the Northern Colorado Water Conservancy District is applying for a loan for the construction of the Granby Hydropower Project. The Project is located at the existing Colorado - Big Thompson Project Granby Dam and will utilize the existing releases to the Colorado River without changing the flow regime.

The hydro station will use the minimum streamflow obligations and a portion of additional releases to generate power through a 1.2-megawatt facility. The Project is being performed under the U.S. Bureau of Reclamation's Lease of Power Privilege (LOPP) process. Power generated will be purchased by Mountain Parks Electric, Inc. per a 30-year Power Purchase Agreement (PPA). The anticipated Project schedule is to finalize the LOPP and PPA by end of 2014. Construction will occur in the summer/fall of 2015 and is expected to be operational by the summer of 2016.



Lake Granby Tunnel Outlet

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

C150378

Borrower: North Poudre Irrigation Company

County: Larimer

Project Name: Reservoir No. 4 Rehabilitation

Project Type: Reservoir Rehabilitation

Drainage Basin/ District: South Platte / 3

Water Source: Cache la Poudre

Total Project Cost: \$1,800,000

Funding Source: Construction Fund

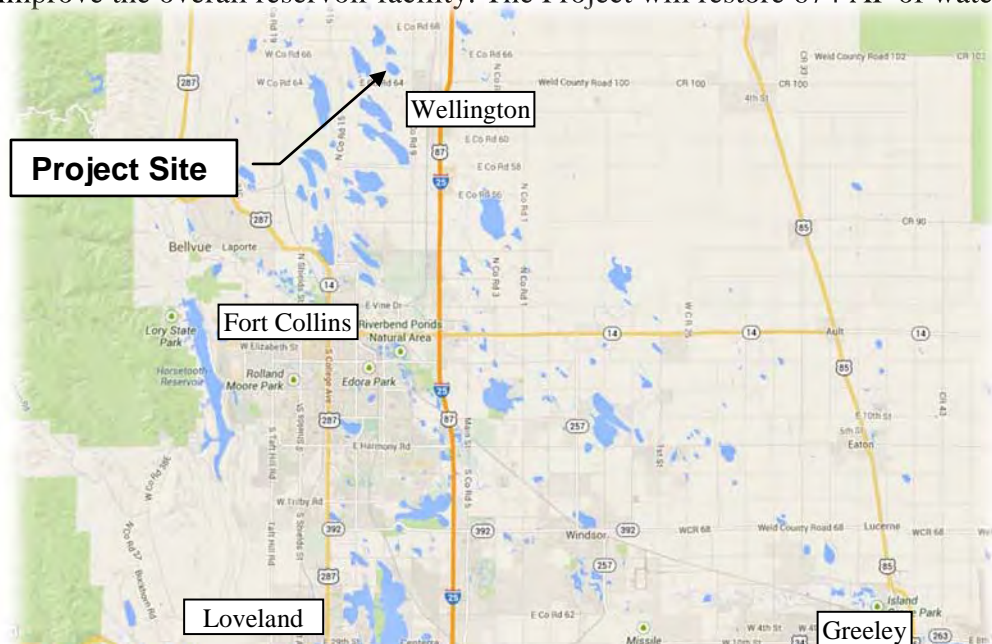
Type of Borrower: Blended

Average Annual Diversion: 44,400 AF

CWCB Loan: \$1,636,200
(with 1% service fee)

Interest Rate: 2.35% **Term:** 30-years
(37% Ag, 1% Low, 57% Mid, 4% High, <1% Com)

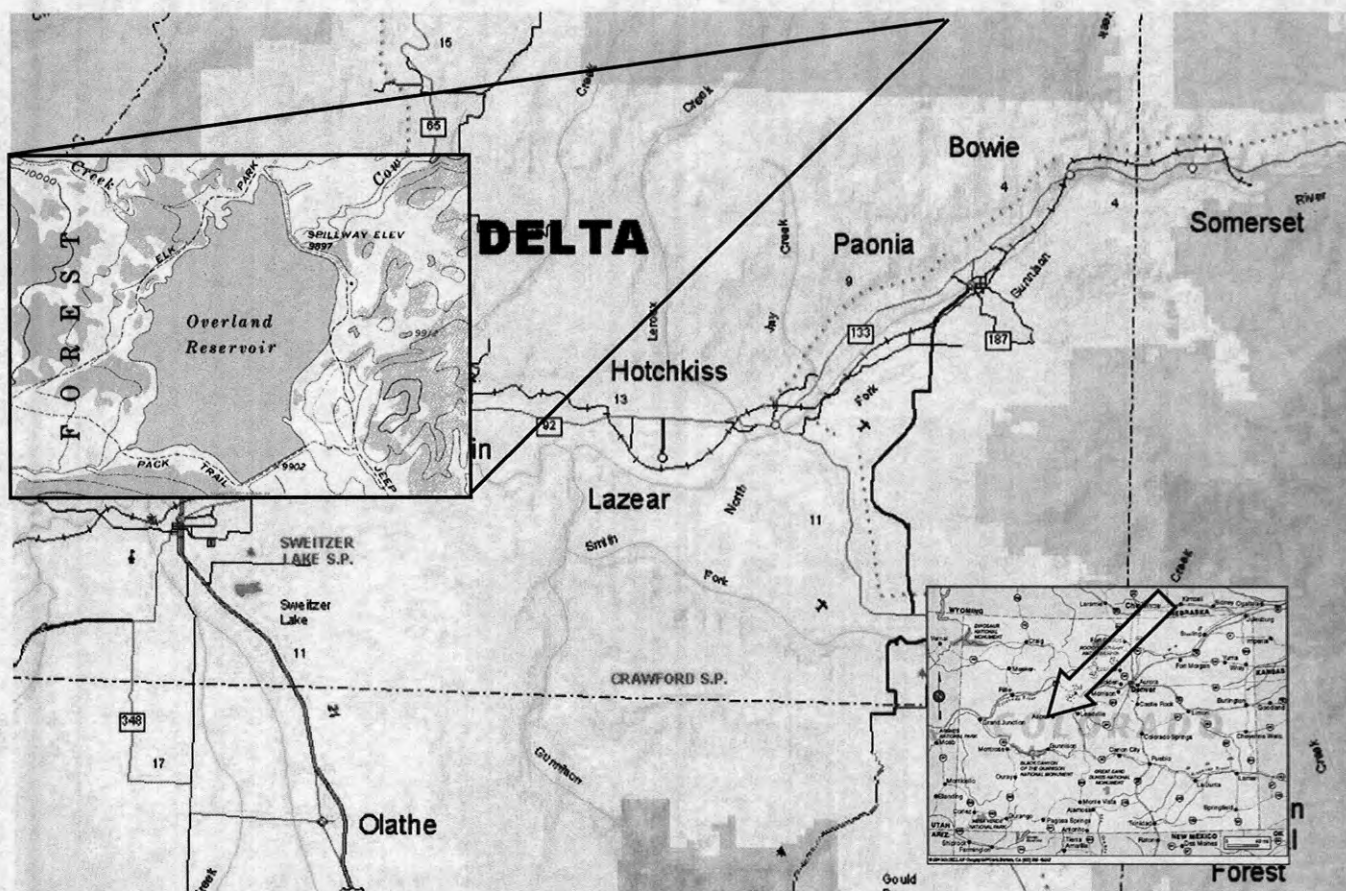
The North Poudre Irrigation Company is a mutual ditch company established in 1901. The Company's office is located in Wellington with a service area of approximately 28,000 irrigated acres of farm land. Reservoir No. 4 is an off stream reservoir constructed in the late 1880s, enlarged in the 1920s, and had the outlet works replaced in the late 1950s. The Reservoir No. 4 Rehabilitation Project will modify the dam including its slope, outlet works, drains, spillway, and measurement structure and will also provide a new parking area and floodplain improvements. The purpose of the project is to lift the State Engineer's storage restriction on the reservoir and dam and improve the overall reservoir facility. The Project will restore 674 AF of water storage.



CWCB Construction Loan Program Project Data Sheet

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

7

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

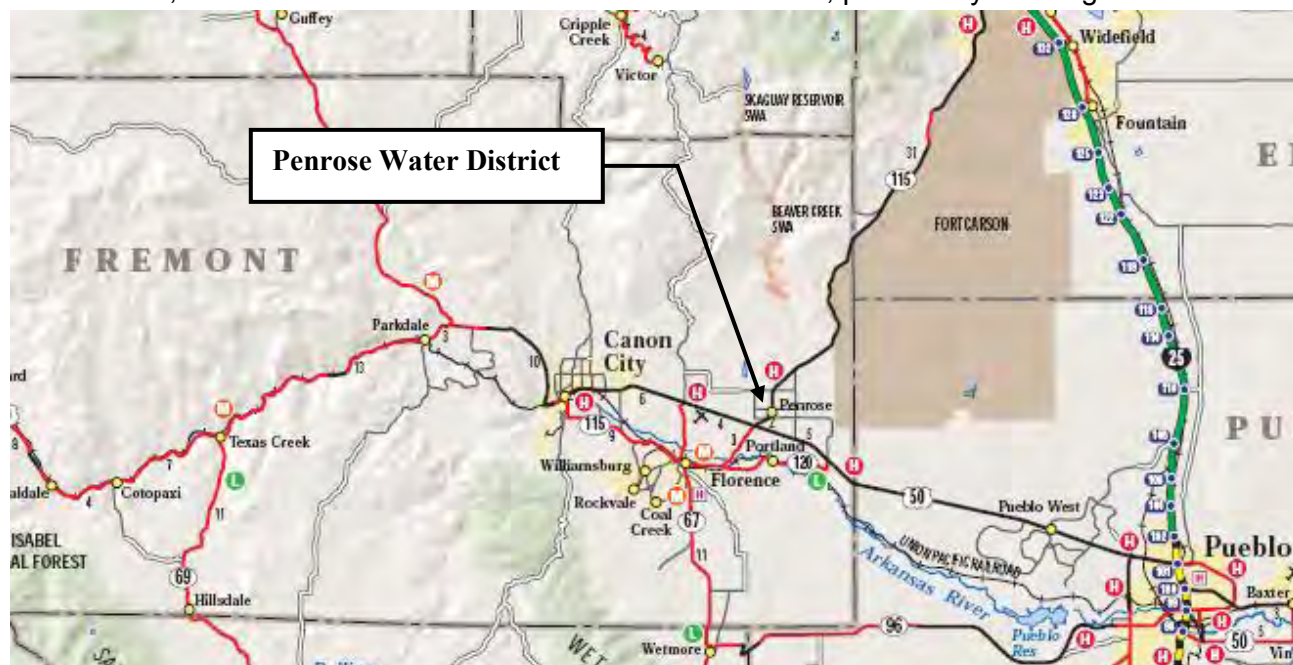
Type of Borrower: Municipal/Low

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.

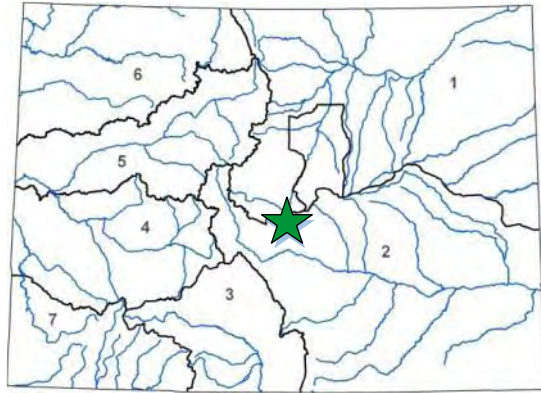


Location Map



(Loan Increase)

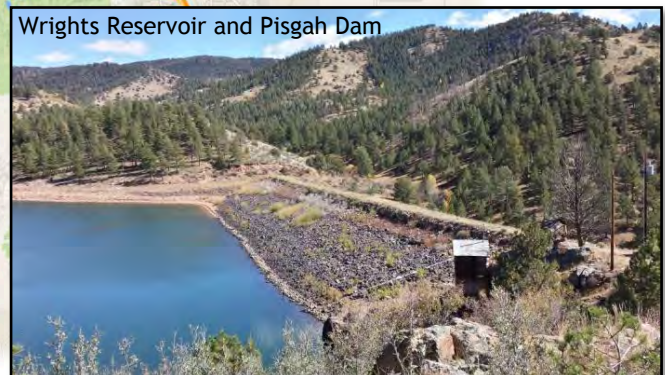
L O A N D E T A I L S	
Project Cost:	\$745,000
CWCB Loan (with Service Fee):	\$549,091
Loan Term and Interest Rate:	30 Years @ 1.75%
Funding Source:	Construction Fund
B O R R O W E R T Y P E	
Agriculture	Municipal Commercial
93%	7% Low - 0% Mid - 0% High 0%
P R O J E C T D E T A I L S	
Project Type:	Reservoir Rehabilitation
Average Annual Diversion:	86,000 AF
Water Supply Storage Preserved:	2,192 AF



L O C A T I O N	
County:	Teller
Water Source:	Fourmile Creek
Drainage Basin:	Arkansas
Division: 2	District: 12

The Pisgah Reservoir and Ditch Company provides 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.

The Company was approved for a \$161,345 loan and a \$161,345 WSRA grant at the September 2012 CWCB Board Meeting to modify the operational inlet and outlet works and replace existing control valves on Pisgah Dam, in compliance with an SEO conditional order. During final engineering, construction costs were found to have increased and additional remedial abandonment work on the outlet originally abandoned in 1929 was added to the Project's Scope of Work. With these changes, the cost estimate has risen from \$362,875 to \$745,000. The Company is seeking to cover this cost increase with an increase to its approved loan. Construction is scheduled for 2015.



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

C150400

Borrower: The Prairie Ditch Company

County: Rio Grande

Project Name: Plaza Project Phase 3:
Prairie Ditch Implementation Project

Project Type: Ditch Rehabilitation

Drainage Basin/ District: Rio Grande / 20

Water Source: Rio Grande River

Total Project Cost: \$975,000

Funding Source: Construction Fund,
WSRA Grants

Type of Borrower: Agricultural

Average Annual Diversion: 16,000 AF

CWCB Loan: \$131,300
(with 1% service fee)

Interest Rate: 1.25% **Term:** 10-years

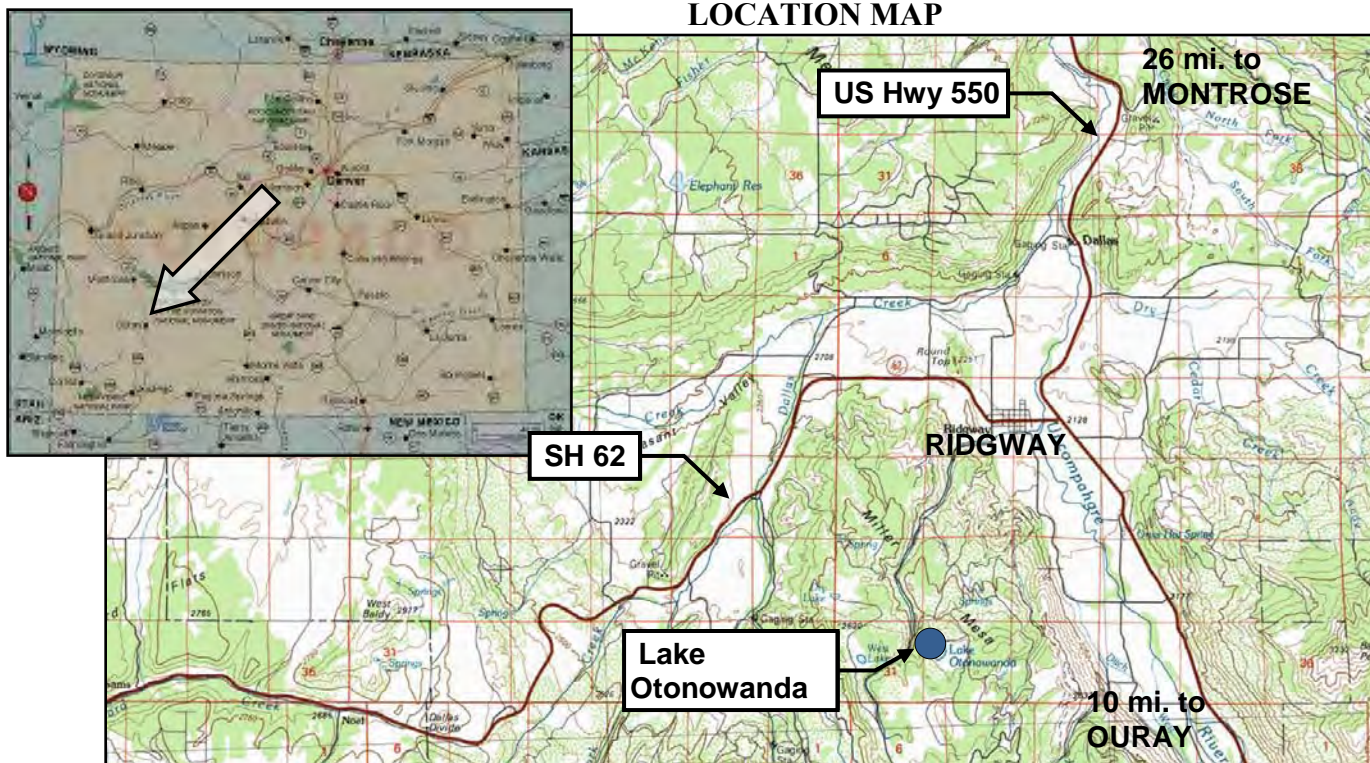
The Prairie Ditch Company is a Mutual Ditch Company formed in 1887. The Prairie Ditch diversion structure and headgate is located seven miles northwest of Monte Vista, Colorado on the Rio Grande River and has a service area of approximately 23,000 acres. The diversion and headgates were constructed in the early 1900s and was most recently reworked in 1962. They are now deteriorating, presenting a growing concern the diversion structure may soon completely wash out. Both the diversion and headgate were highlighted as river rehabilitation priorities in a 2001 study titled "Rio Grande Headwaters Restoration Project." 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 and triggered a more localized effort known as the Plaza Project.

The Plaza Project is a multi-phased project intended to improve the health and function of the Rio Grande River in the Sevenmile Plaza area through stream bank restoration, wetland restoration, and the replacement of aging and inefficient diversion and headgate structures. Phase 1 was a planning phase and identified several diversion and headgate structures in need of replacement. Phase 2 (McDonald Ditch Implementation Project) was the Plaza Project's first implementation project and was funded in part with a CWCB Loan and WSRA grant. Phase 3 is the second implementation project and the subject of this loan request. Project Tasks include the final engineering design and construction of the new Prairie Ditch diversion and headgate, as well as stream bank stabilization, monitoring, outreach, and education. Construction is expected to occur fall 2014.



**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

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

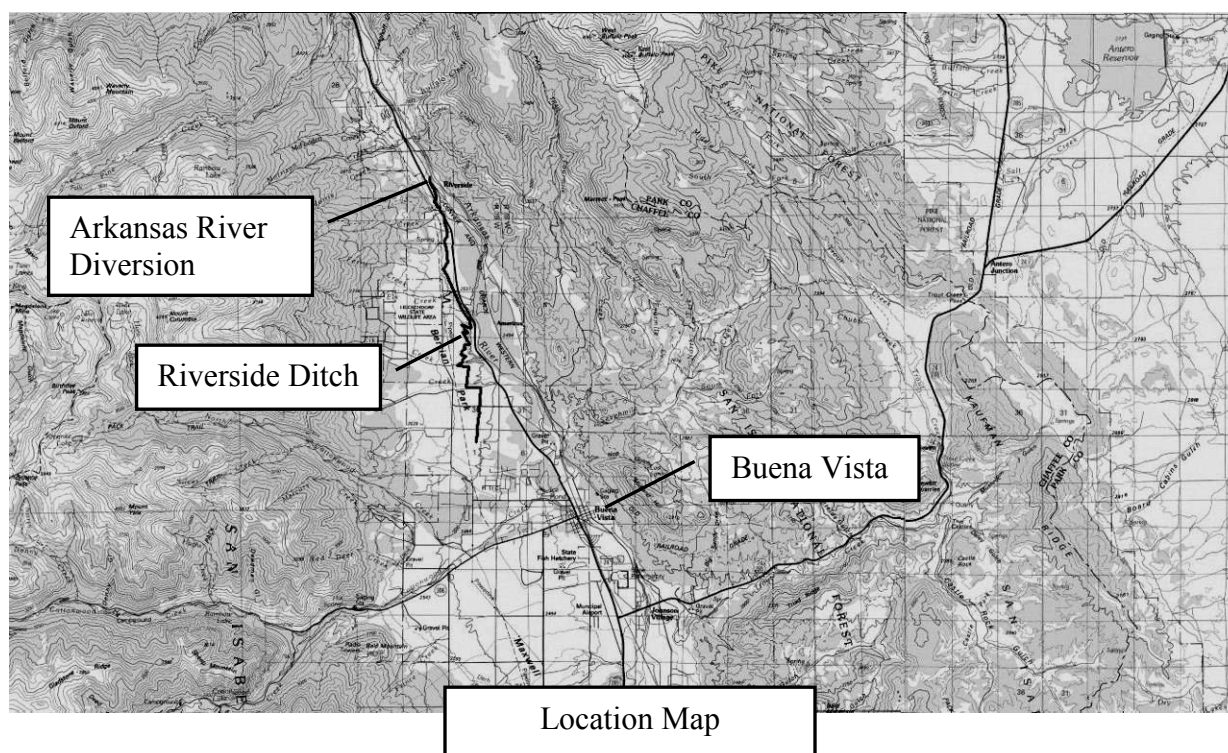
Type of Borrower: Agricultural

Average Diversion: 3,250 acre-feet

CWCB Loan: \$186,345 (Including 1% fee)

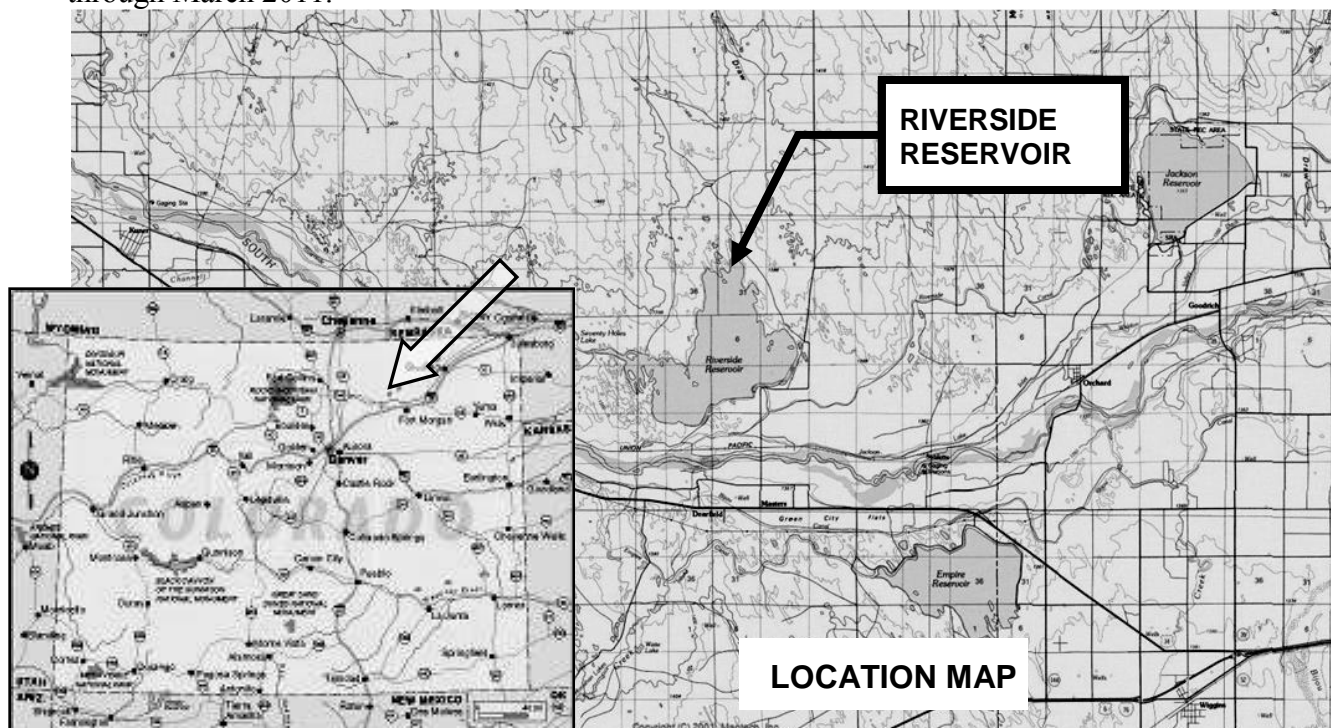
Interest Rate: 2.75% **Term:** 30 years

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.



CWCB 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

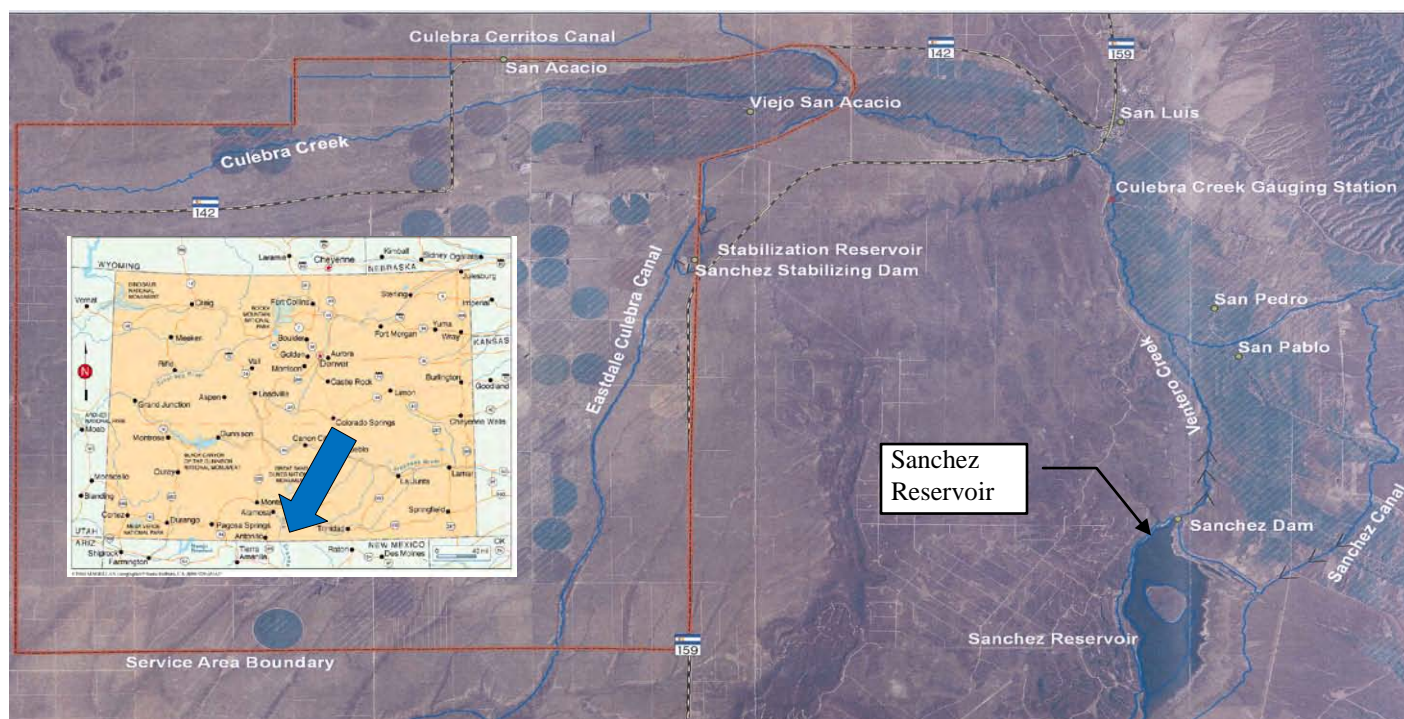
Funding Sources: Construction Fund &
WSRA (Basin & Statewide funds)

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.



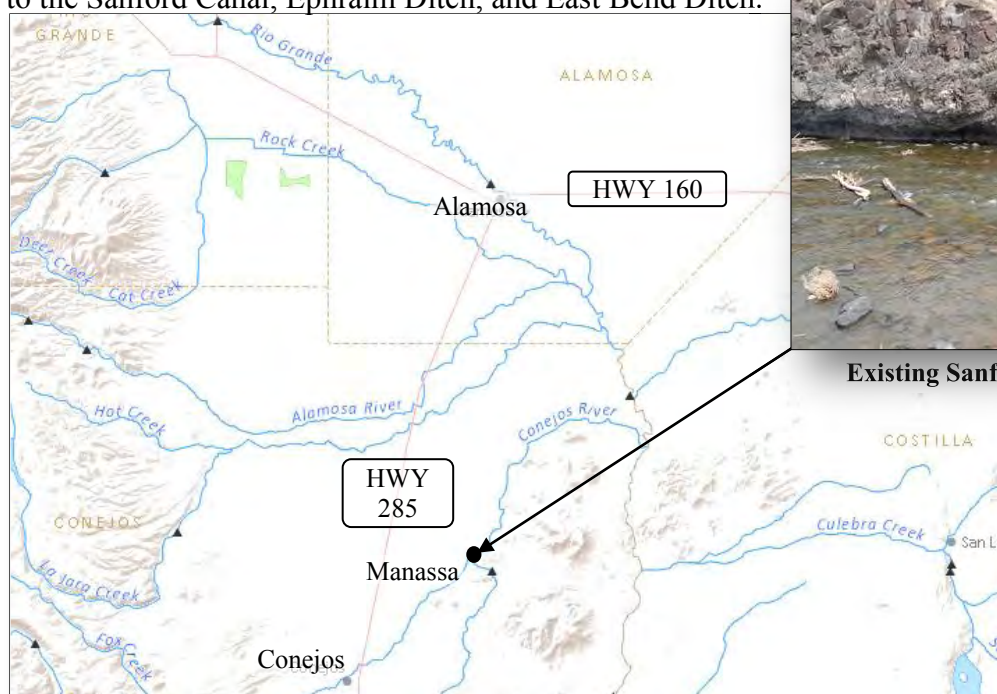
CWCW Water Project Loan Program
Project Data Sheet

C150401

Borrower: The Sanford Canal Company**County:** Rio Grande**Project Name:** Sanford Diversion and
Headgate Rehabilitation**Project Type:** Ditch Rehabilitation**Drainage Basin/ District:** Rio Grande / 22**Water Source:** Conejos River**Total Project Cost:** \$213,000**Funding Source:** Construction Fund,
WSRA Grants**Type of Borrower:** Agricultural**Average Annual Diversion:** 4,000 AF**CWCW Loan:** \$101,000
(with 1% service fee)**Interest Rate:** 1.75% **Term:** 30-years

The Sanford Canal Company was incorporated in 1892 as a “Colorado Water Company” and later became a Mutual Ditch Company in 1912. Its diversion is located on the Conejos River just below the confluence with the San Antonio River and has a service area covering approximately 3,000 irrigated acres. The purpose of this Project is to address the need for a well-designed diversion structure that will reduce maintenance, improve water management efficiencies, and allow for the accurate control of compact-entitled waters. The core of the Sanford Canal diversion structure has been washed away over time, contributing to decades of limited diversion to irrigators and potential over payment to the Compact. Currently irrigators divert their water right by piling debris such as tree trunks or cinderblocks to act as the diversion dam. This Project will remove and replace the diversion and headgate structures and install automated headgates and four gauging stations. Construction is expected to start by September 2014.

This Project is one of three projects collectively known as the Conejos River System Confluence Management Project, managed by the Conejos Water Conservancy District. The District has taken a proactive “whole river” system approach to water management and over the past few years have improved the efficiency and stability of many diversions, developed real-time water management data, and studied the effects on return flows from irrigated areas from groundwater withdrawals. The Confluence Management Project will extend this whole river strategy to the Confluence, specifically to the Sanford Canal, Ephraim Ditch, and East Bend Ditch.

**Existing Sanford Ditch Diversion**

**Water Project Loan Program
Project Data Sheet**

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

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



Water Project Loan Program Project Data Sheet

Borrower:	Santa Maria Reservoir Company	County:	Hinsdale & Mineral
Project Name:	Continental Dam Spillway Restoration Project	Project Type:	Dam Rehabilitation
Drainage Basin:	Rio Grande / District 20	Water Source:	North Clear Creek
Total Project Cost:	\$4,055,000	Funding Source:	Construction Fund and Water Supply Reserve Account Grants
Type of Borrower:	Agricultural	Avg. Annual Diversion:	6,300 AF
		Recovered Storage:	12,000 AF
CWCB Loan:	\$3,071,633 (w/ 1% service fee)	Interest Rate:	1.75%
		Term:	30 years

Santa Maria Reservoir Company owns and operates Continental Reservoir (27,000 AF) and Santa Maria Reservoir (43,500 AF), located in the Rio Grande River Basin near Creede, Colorado. Santa Maria and Continental operate in conjunction with each other via a conveyance system made up of a pipeline, siphon, and open ditch. For the past 20 years, Continental has been under a storage restriction due to seepage issues, limiting the storage to 15,000 AF. The purpose of this Project is to address seepage issues and repair the spillway Continental Reservoir in order to lift the storage restriction. Construction is expected to occur in the 2014 construction season.



Interest Rate: 2.5% Term: 30 years

The main map is a topographic representation of a section of the Rio Grande. The river is shown as a blue line winding through the landscape. A prominent feature is the Anaconda Ditch, depicted with a diagonal hatching pattern, which runs horizontally across the middle of the map. To the left of the ditch, the area is labeled 'Agua Ramon'. Various roads are marked, including 'FOREST 617 RD', 'FOREST 630 RD', 'COUNTY RD 15', and 'COUNTY RD 18'. Elevation contours are shown as green lines with numerical values. A legend in the bottom right corner identifies the hatched area as the 'Anaconda Ditch'.

An inset map in the top right corner provides a broader geographical context. It shows the state of Colorado and its borders with Utah, Arizona, and New Mexico. Major cities like Denver, Colorado Springs, and Pueblo are marked. A white arrow points from the inset map to the specific location shown in the main topographic map, indicating its position within the state.

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

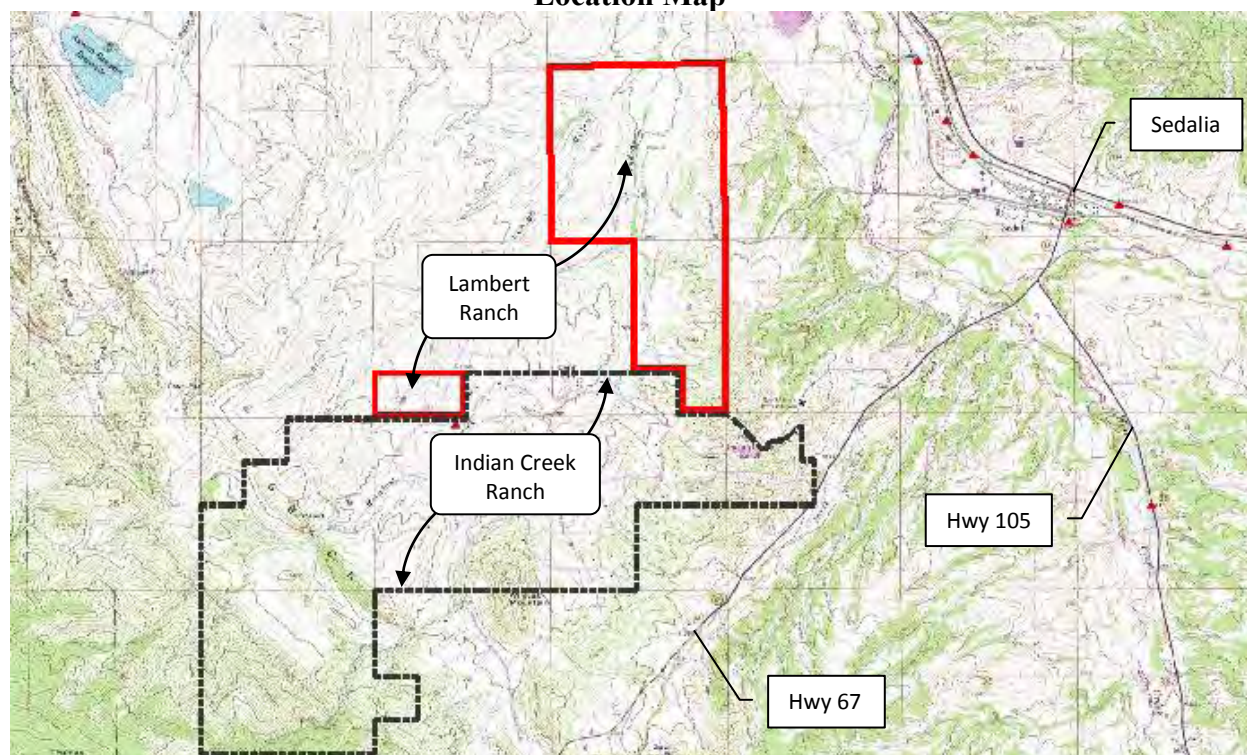
Avg. Annual Delivery: 55 AF

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

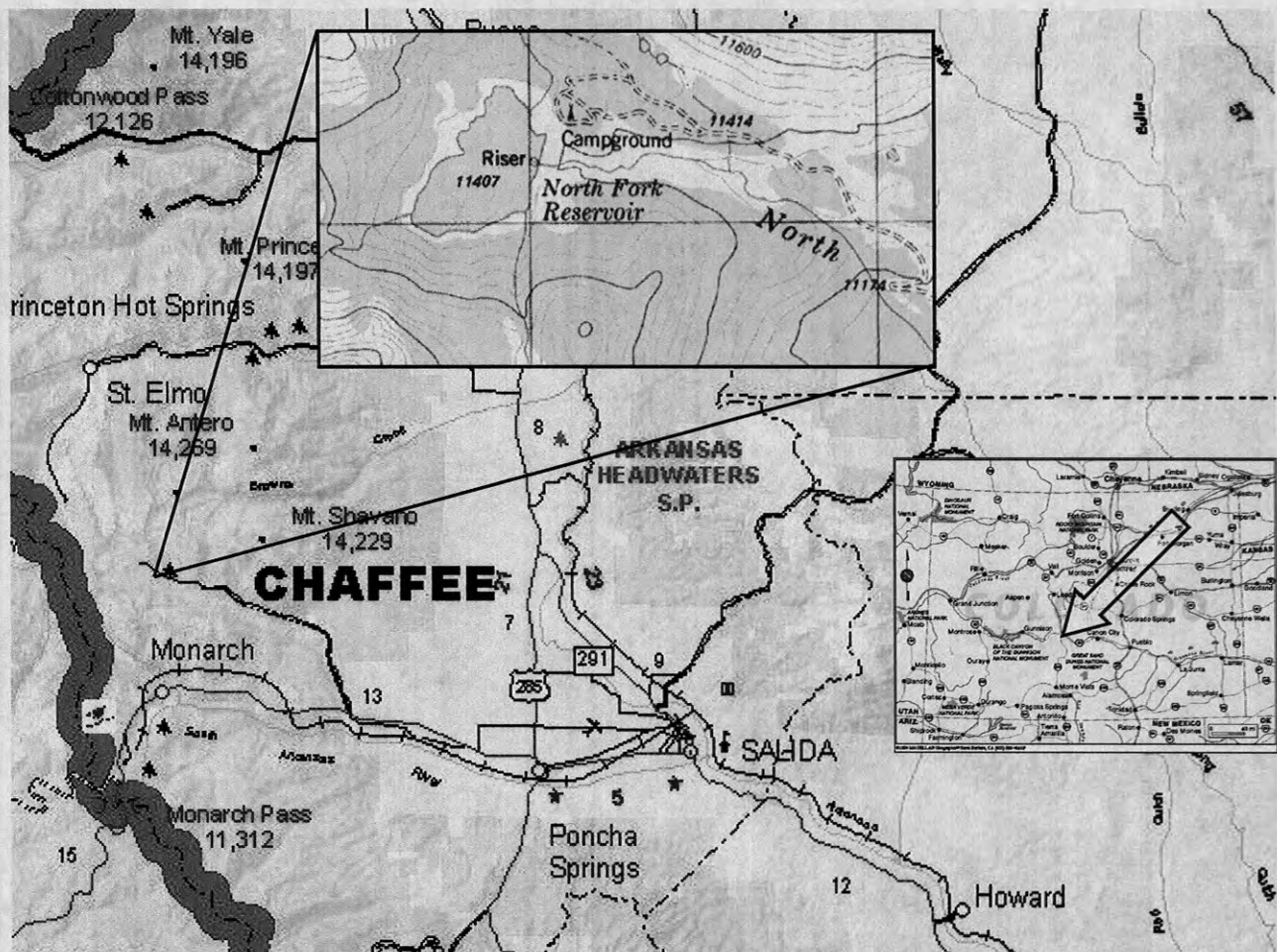


**CWCB Construction Loan Program
PROJECT DATA SHEET**

Loan Program
Attachment 3

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

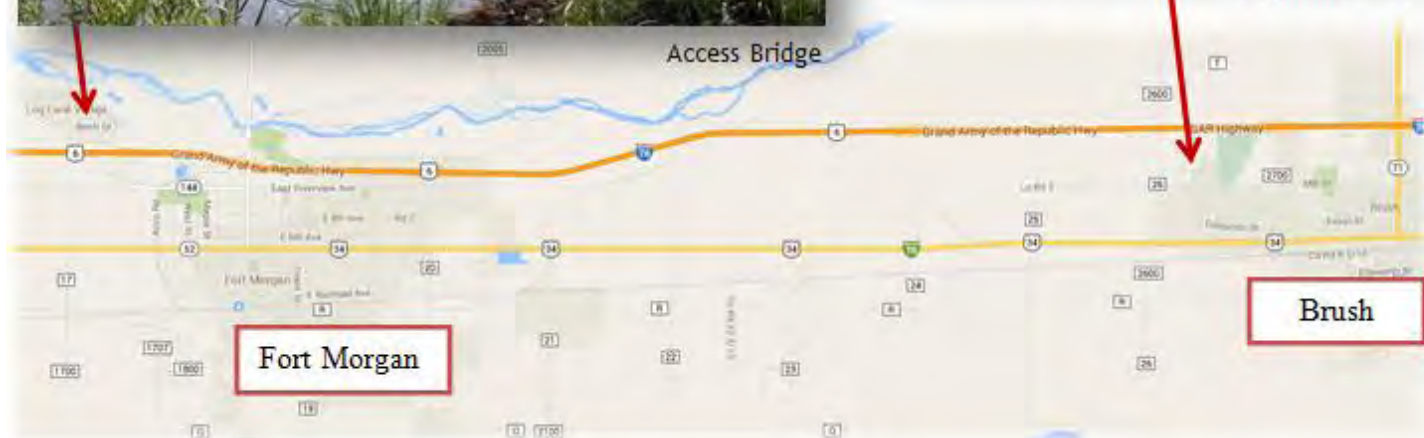
CWCB Water Project Loan Program Project Data Sheet

Borrower:	Upper Platte & Beaver Canal Company	County:	Morgan
Project Name:	Hospital Road Recharge Facility and Bridge Widening Project	Project Type:	Augmentation
Drainage Basin/ District:	South Platte Basin Division 1, District 1	Water Source:	South Platte River
Total Project Cost:	\$210,000	Funding Source:	Construction Fund
Type of Borrower:	Blended	Average Annual Diversion:	35,000 Acre-feet
CWCB Loan:	\$190,890 (with 1% service fee)	Interest Rate:	1.75%
		Term:	10 years

The Upper Platte & Beaver Canal Company desires funding to construct an augmentation pond, and, at a separate location, to widen an existing access bridge at their primary diversion along the South Platte River. The augmentation pond will enable better retiming of return flows to the river by virtue of its further location from the river than existing augmentation ponds operated by the Company. The widening of the access bridge will allow improved function and safety crossing the canal for ongoing maintenance needs.



Augmentation Pond



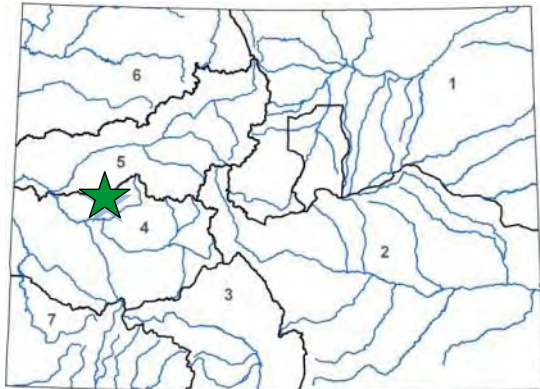


West Reservoir And Ditch Outlet Repair Project

West Reservoir and Ditch Company

November 2014 Board Meeting

L O A N D E T A I L S		
Project Cost:		\$ 471,577
CWCB Loan (with Service Fee):		\$248,378
Loan Term and Interest Rate:		30 Years @ 2%
Funding Source:		
B O R R O W E R T Y P E		
Agriculture	Municipal	Commercial
100%	0%	0%
P R O J E C T D E T A I L S		
Project Type:		Outlet Rehabilitation
Average Annual Diversion:		604 AF



L O C A T I O N	
County:	Delta
Water Source:	Jay Creek
Drainage Basin:	Gunnison
Division: 4	District: 40

The West Reservoir and Ditch Company operates West Reservoir No. 1, providing water seven miles eastward via Wakefield Ditch to Wakefield Mesa. The water is available for livestock as it traverses east Oak Mesa, and irrigates approximately 600 acres of hay and pasture. The current landowners use the Oak Mesa Reservoir and Ditch water for spring irrigation, and, when those flows are exhausted, use the West Reservoir flows for mid-summer to fall irrigation. The West Reservoir was improved in the early 1950s, but is now under a storage restriction order from the Office of the State Engineer due to deterioration of the outlet pipe. This project will include a low-level outlet sized to meet SEO release requirements, an outlet stilling basin structure downstream of the dam for energy dissipation, and an intake structure for a manually-operated slide gate and trash racks. Construction is scheduled for Spring of 2015.

West Reservoir
No. 1



CWCB Water Project Loan Program Project Data Sheet

C150366

Borrower: Town of Windsor Water Enterprise

County: Larimer/Weld

Project Name: Kyger Reservoir Project

Project Type: Reservoir Construction

Drainage Basin/ District: South Platte / 3

Water Source: Cache la Poudre River

Total Project Cost: \$6,300,000

Funding Source: Construction Fund

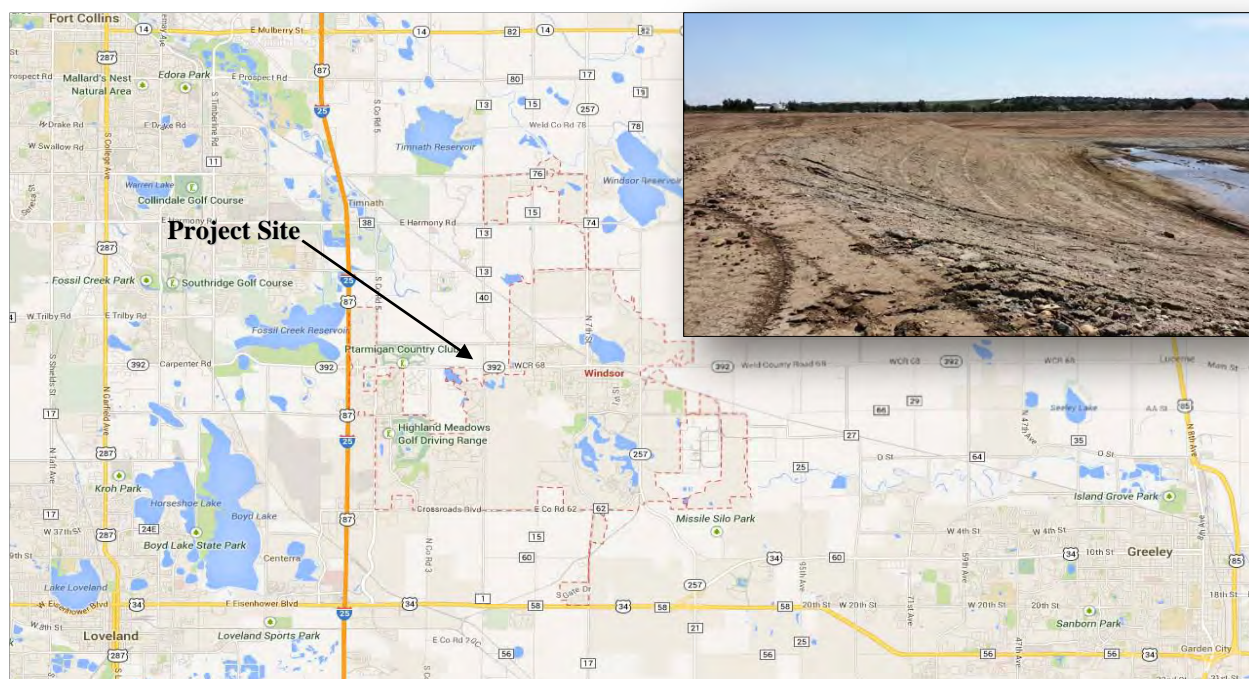
Type of Borrower: Municipal (High)

Average Annual Delivery: 2035 AF

CWCB Loan: \$4,545,000
(with 1% service fee)

Interest Rate: 2.75% **Term:** 20-years

The Town of Windsor was incorporated in 1890 and adopted its Home Rule Charter in 2003. The Town has seen tremendous growth over the last decade and has a current population of approximately 18,700 people. The Town's Water Activity Enterprise was created by a Town Ordinance in 1994 and serves 5,604 taps. The Enterprise revenues come from water usage fees. The average water bill is \$45 per month. The purpose of this project is to provide the Town new water storage to help meet their current and future non-potable and augmentation water needs. This CWCB loan will go towards the purchase of the Kyger reservoir, the design and construction of the reservoir infrastructure, and the purchase of water rights.



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

C150408

Borrower: Cottonwood Water & Sanitation District

County: Douglas & Arapahoe

Project Name: Water Infrastructure and Supply (WISE) Efficiency Project

Project Type: New Water Supply

Drainage Basin/ District: South Platte / 8

Water Source: South Platte

Total Project Cost: \$4,960,000

Funding Source: Construction Fund

Type of Borrower: High-Income Municipal

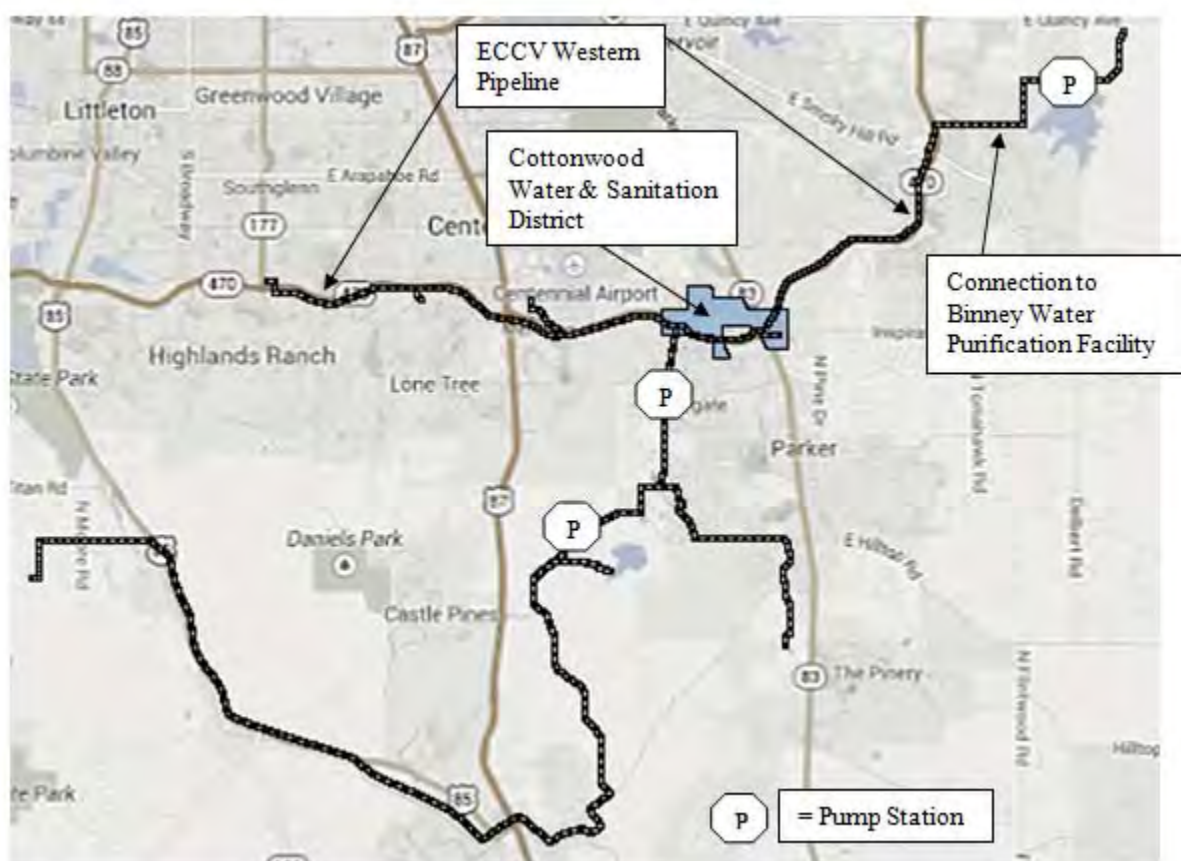
Average Annual Delivery: 789 AF

CWCB Loan: \$4,508,640 (with 1% service fee) **Interest Rate:** 3.00% **Term:** 30 years

In 1981, the Cottonwood Water & Sanitation District was formed, pursuant to Title 32 C.R.S., to provide water supply and treatment systems for customers within its service area.

Cottonwood's local project infrastructure components will extend from an existing tee located on the ECCV Western Pipeline, where a below-grade vault with flow control and metering equipment will be installed. From this location 500 feet of 36-inch pipe will be installed to connect to an existing Cottonwood pipeline. In addition, Cottonwood will also participate in a Rueter-Hess Reservoir fill pipeline and pump station being constructed by Parker.

The WISE Project is the result of regional cooperative planning efforts between Denver Water, Aurora Water, and 10 regional water providers in the south metropolitan area. The South Metro WISE Authority (WISE Authority) is comprised of ten governmental water providers in Douglas and Arapahoe Counties bound together by a 2013 Intergovernmental Agreement. The WISE Project will reduce dependence on non-renewable groundwater resources.



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

C150409

Borrower: Inverness Water & Sanitation
District

County: Douglas & Arapahoe

Project Name: Water Infrastructure and Supply
(WISE) Efficiency Project

Project Type: New Water Supply

Drainage Basin/ District: South Platte / 8

Water Source: South Platte

Total Project Cost: \$5,400,000

Funding Source: Construction Fund

Type of Borrower: High-Income Municipal

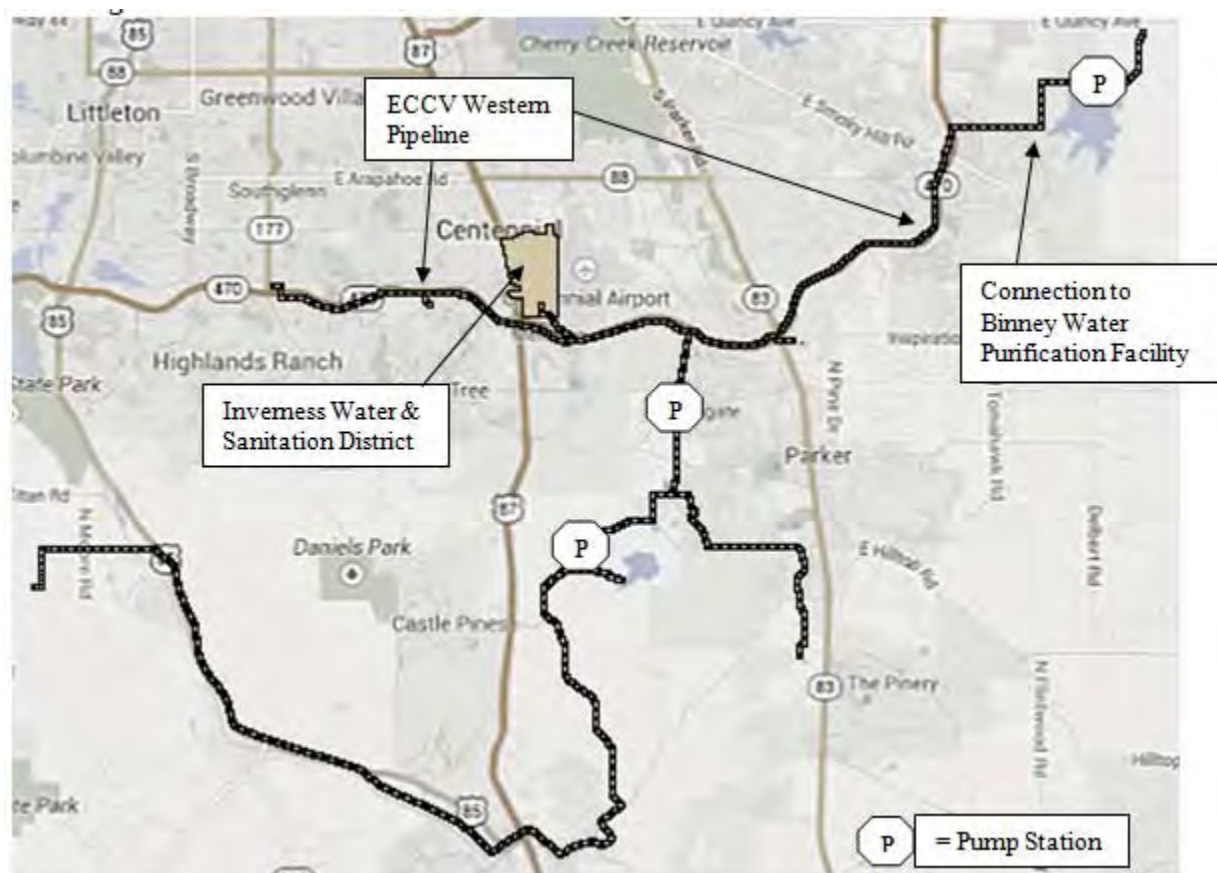
Average Annual Delivery: 1,100 AF

CWCB Loan: \$4,908,600 (with 1% service fee) **Interest Rate:** 2.75% **Term:** 20 years

In 1973, Inverness was formed pursuant to Article 1 of Title 32 C.R.S. to provide water supply and treatment systems for the customers within their service area.

Inverness will have a connection to the East Cherry Creek Valley (ECCV) Western Pipeline near the intersection of South Jamaica Street and E-470. Immediately downstream of the connection will be a below-grade vault with flow control and metering equipment. Downstream of the vault will be approximately 1,800 feet of 10-inch pipe to connect to the existing Inverness distribution system.

The WISE Project is the result of regional cooperative planning efforts between Denver Water, Aurora Water, and 10 regional water providers in the south metropolitan area. The South Metro WISE Authority (WISE Authority) is comprised of ten governmental water providers in Douglas and Arapahoe Counties bound together by a 2013 Intergovernmental Agreement. The WISE Project will reduce dependence on non-renewable groundwater resources.



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

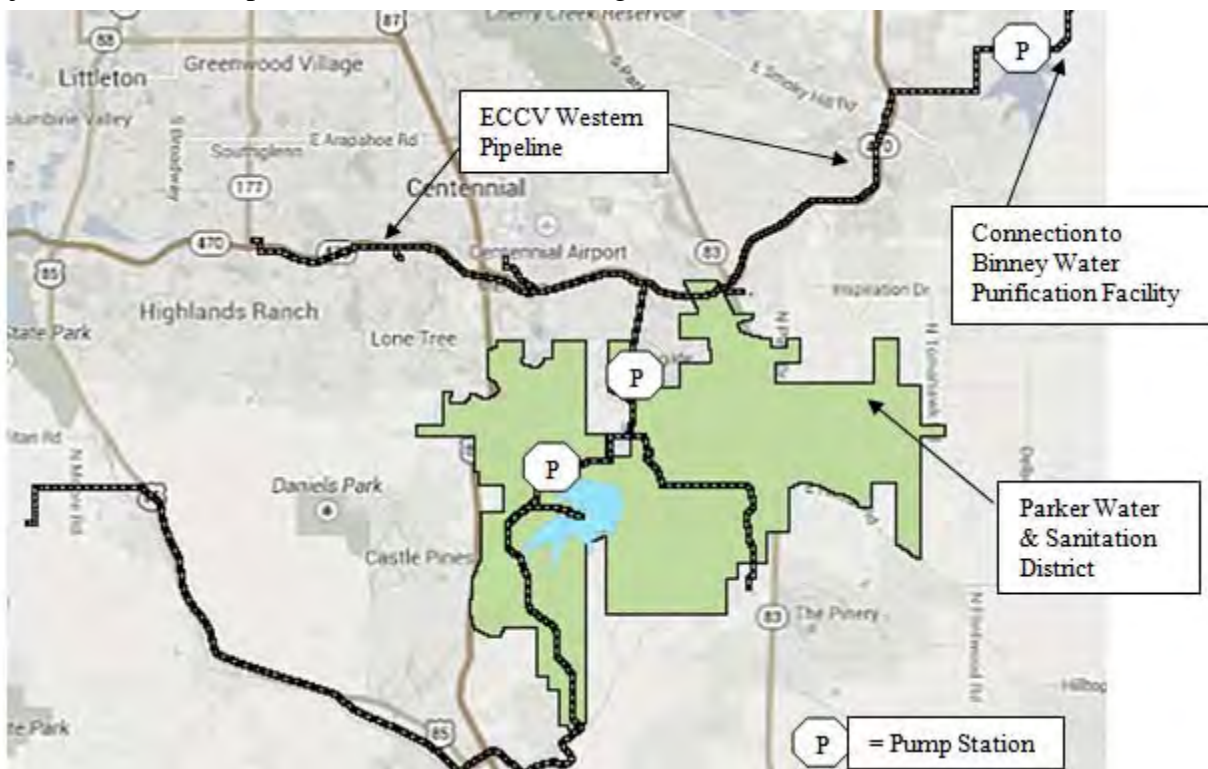
C150410

Borrower: Parker Water & Sanitation District	County: Douglas & Arapahoe
Project Name: Water Infrastructure and Supply (WISE) Efficiency Project	Project Type: New Water Supply
Drainage Basin/ District: South Platte / 8	Water Source: South Platte
Total Project Cost: \$17,305,500	Funding Source: Construction Fund
Type of Borrower: High-income Municipal	Average Annual Delivery: 5,000 AF
CWCB Loan: \$15,734,790 (with 1% service fee) Interest Rate: 2.75% Term: 20 years	

Parker Water and Sanitation District is a quasi-municipal corporation and political subdivision of the State of Colorado created in 1962 in Douglas County, for the purpose of providing water and sanitary sewer services its users.

Parker will take the lead on construction of 20,300 feet of new 42-inch pipeline from near the intersection of Chambers Road and E-470 to the Parker Water Treatment Plant located just south of Rueter-Hess Reservoir. Southward from the treatment plant a 16.5 million gallons per day pumping station will be constructed, followed by 9,000 feet of new 24-inch pipe that will allow WISE water to be conveyed to Rueter-Hess Reservoir for storage. Parker's facilities will oversized for use by other WISE Authority members.

The WISE Project is the result of regional cooperative planning efforts between Denver Water, Aurora Water, and 10 regional water providers in the south metropolitan area. The South Metro WISE Authority (WISE Authority) is comprised of ten governmental water providers in Douglas and Arapahoe Counties bound together by a 2013 Intergovernmental Agreement. The WISE Project will reduce dependence on non-renewable groundwater resources.



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

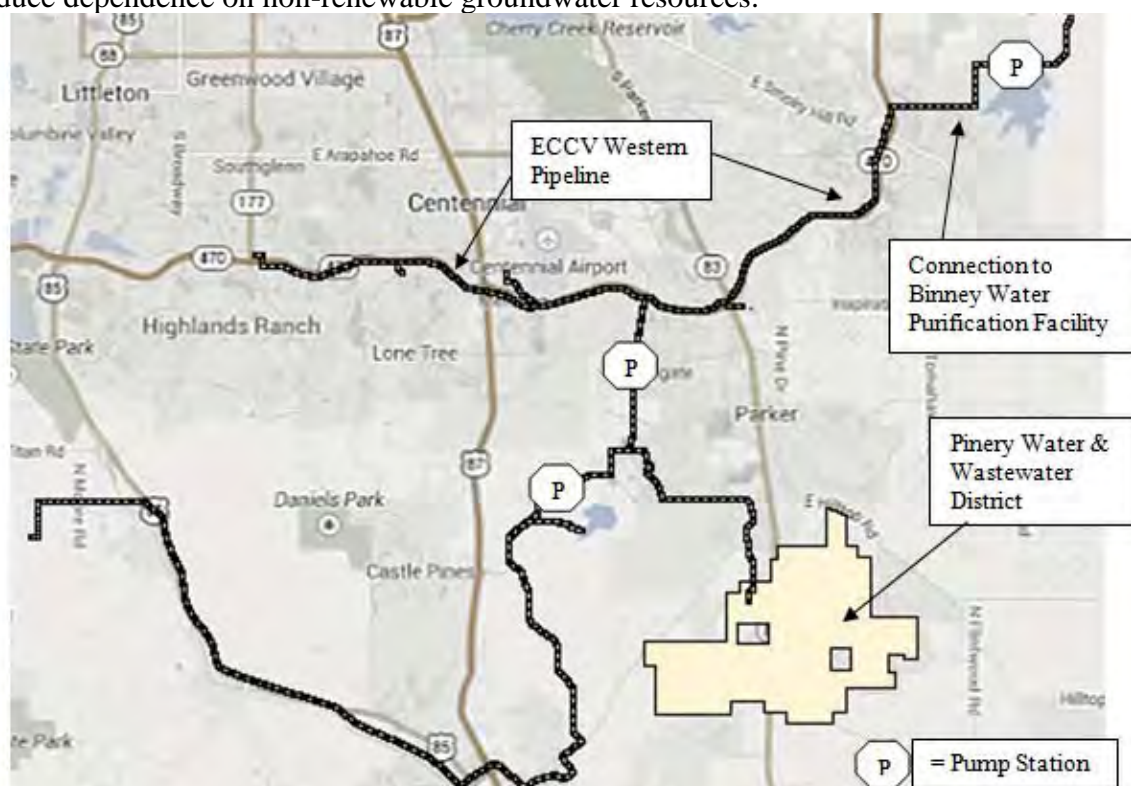
C150411

Borrower: Denver Southeast Suburban Water and Sanitation District (dba Pinery Water and Wastewater District)	County: Douglas
Project Name: Water Infrastructure and Supply (WISE) Efficiency Project	Project Type: New Water Supply
Drainage Basin/ District: South Platte / 8	Water Source: South Platte
Total Project Cost: \$10,920,000	Funding Source: Construction Fund
Type of Borrower: High-income Municipal	Average Annual Delivery: 2,837 AF
CWCB Loan: \$9,926,280 (with 1% service fee)	Interest Rate: 3.00% Term: 30 years

In 1965, the District was formed as the Denver Southeast Suburban Water and Sanitation District. The District has been providing water and wastewater services since 1971 to its predominately residential customers.

The District will participate in Parker's WISE infrastructure components including 20,300 feet of new 42-inch pipeline from near the intersection of Chambers Road and E-470 to the Parker Water Treatment Plant located just south of Reuter-Hess Reservoir. At the Parker Water Treatment Plant site a new 16.5 million gallons per day pumping station will be constructed. Downstream of the pumping station 9,000 feet of new 24-inch pipe will be constructed that will allow WISE water to be conveyed to Reuter-Hess Reservoir for storage. In addition, Pinery will construct about 6,200 feet of 12-inch pipeline to deliver water to an existing finished water distribution system pumping station.

The WISE Project is the result of regional cooperative planning efforts between Denver Water, Aurora Water, and 10 regional water providers in the south metropolitan area. The South Metro WISE Authority (WISE Authority) is comprised of ten governmental water providers in Douglas and Arapahoe Counties bound together by a 2013 Intergovernmental Agreement. The WISE Project will reduce dependence on non-renewable groundwater resources.



Projects Not Under Contract

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

C150403

Borrower: Castle Pines Metropolitan District

County: Douglas

Project Name: Chatfield Reallocation Project

Project Type: Reservoir Storage

Drainage Basin: South Platte

Water Source: South Platte River
Plum Creek

Total Project Cost: \$5,550,000

Funding Source: Severance Tax Perpetual
Base Fund

Type of Borrower: High-income Municipal

Average Annual Delivery: 1,056 AF

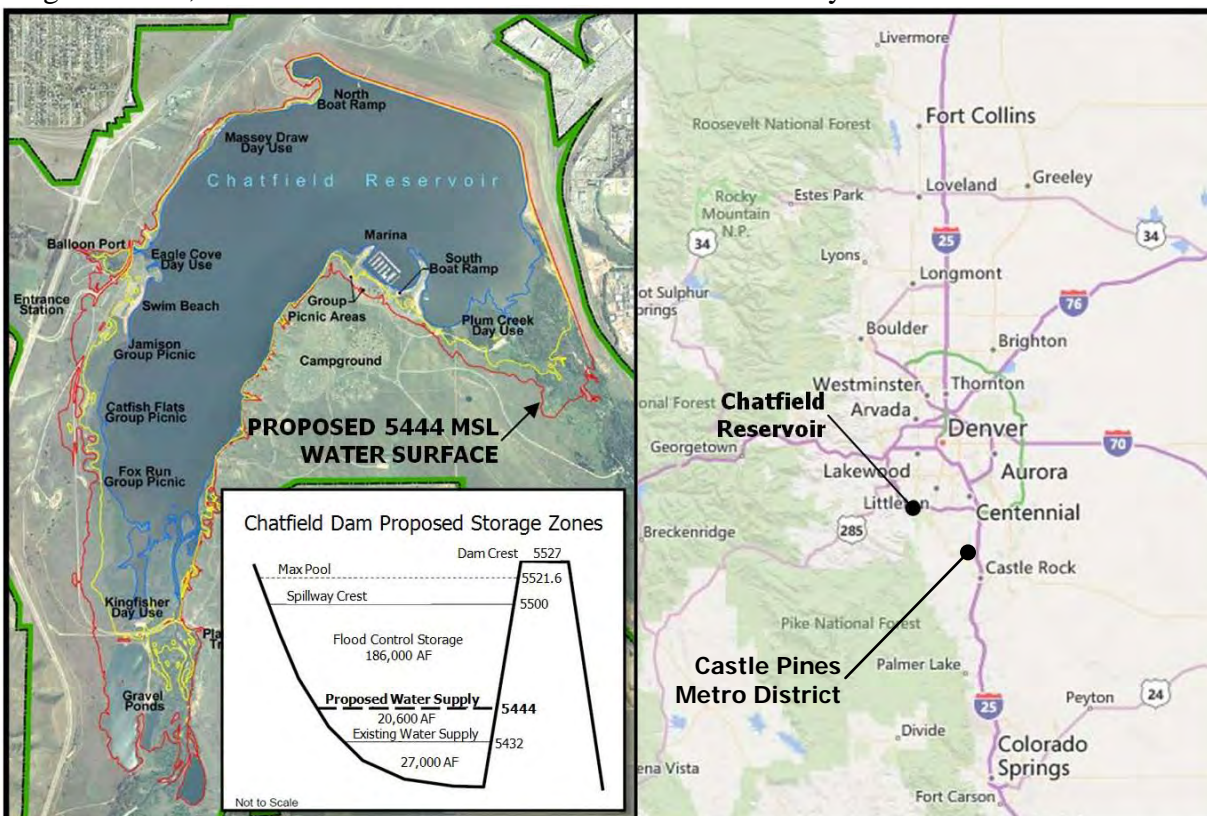
Added Water Supply Storage: 786.7 AF

CWCB Loan: \$5,050,000 (with 1% service fee)

Interest Rate: 3.0% **Term:** 30-years

The Castle Pines Metropolitan District provides water and wastewater services to the residents and businesses of Castle Pines Village in Douglas County. The District is participating in the Chatfield Reallocation Project in order to increase the permanence and reliability of its water supply. Successful completion of the Project would result in the District securing renewable water rights that on average would supply 32% of its average annual water demand. Of the 20,600 acre-feet proposed to be reallocated, the District would receive 786.7 acre-feet of storage, or 3.82% of the total reallocation. The District will use Chatfield storage through an exchange on east Plum Creek as authorized in water court Case No 04CW308.

The US Army Corps of Engineers issued the Project's Feasibility Report and Environmental Impact Statement (FR/EIS) in July 2013 and a Record of Decision is expected in 2014. The Selected Alternative recommended in the Final FR/EIS will provide 20,600 acre-feet of storage in Chatfield between the elevations 5432 and 5444 msl for M&I water supply and other purposes including agriculture, environmental restoration, and recreation and fishery habitat protection and enhancement. Project participants completed the Project's Fish, Wildlife and Recreation Mitigation Plan, in accordance with C.R.S. 37-60-122.2 in January 2014.



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

C150404

Borrower: Castle Pines North
Metropolitan District
Project Name: Chatfield Reallocation Project

County: Douglas

Project Type: Reservoir Storage

Drainage Basin: South Platte

Water Source: South Platte River
Plum Creek

Total Project Cost: \$7,100,000

Funding Source: Severance Tax Perpetual
Base Fund

Type of Borrower: High-income Municipal

Average Annual Delivery: 1,300 AF

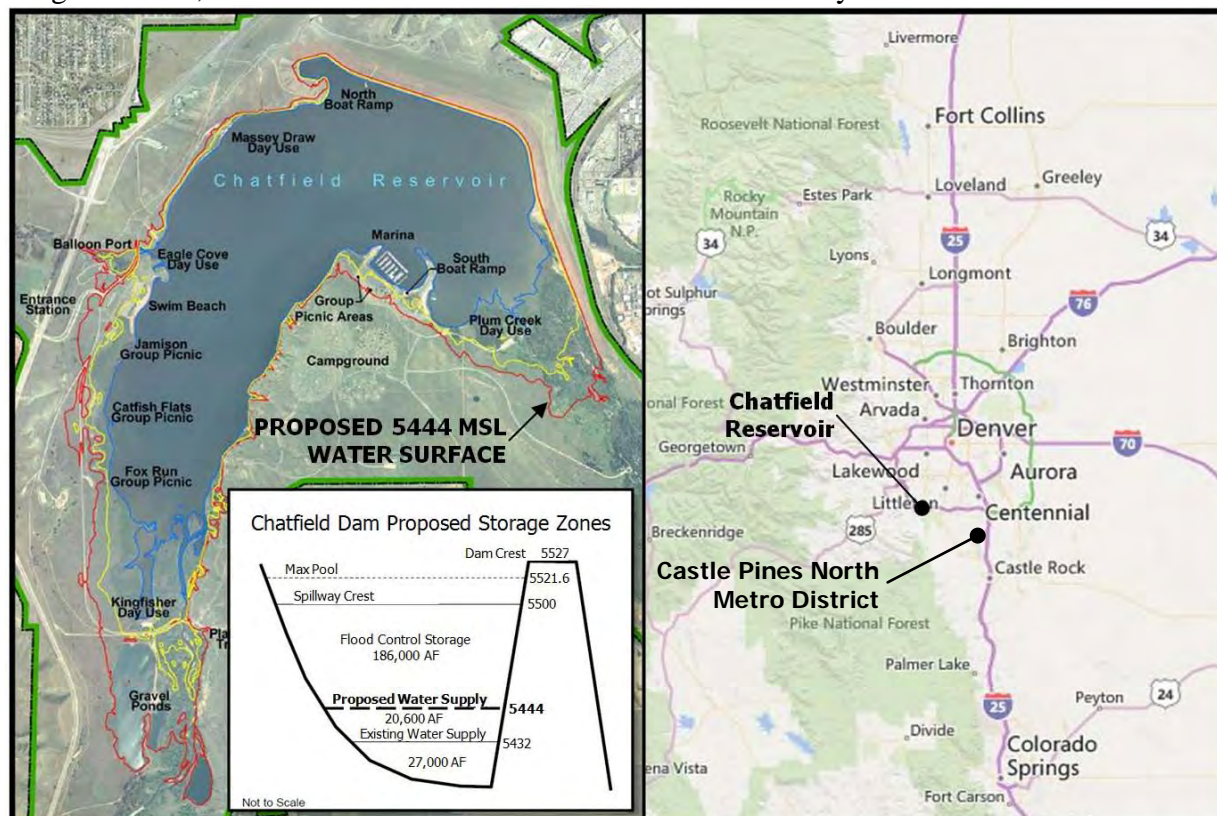
Added Water Supply Storage: 1005.8 AF

CWCB Loan: \$6,453,900 (with 1% service fee)

Interest Rate: 3.0% **Term:** 30-years

The Castle Pines North Metropolitan District provides water and wastewater services to the residents and businesses in the City of Castle Pines, Douglas County. The District is participating in the Chatfield Reallocation Project in order to increase the permanence and reliability of its water supply. Successful completion of the Project would result in the District securing renewable water rights that on average would supply 32% of its average annual water demand. Of the 20,600 acre-feet proposed to be reallocated, the District would receive 1005.8 acre-feet of storage, or 4.88% of the total reallocation. The District will use Chatfield storage through exchanges as authorized in water court Case Nos. 04CW308 and 09CW279.

The US Army Corps of Engineers issued the Project's Feasibility Report and Environmental Impact Statement (FR/EIS) in July 2013 and a Record of Decision is expected in 2014. The Selected Alternative recommended in the Final FR/EIS will provide 20,600 acre-feet of storage in Chatfield between the elevations 5432 and 5444 msl for M&I water supply and other purposes including agriculture, environmental restoration, and recreation and fishery habitat protection and enhancement. Project participants completed the Project's Fish, Wildlife and Recreation Mitigation Plan, in accordance with C.R.S. 37-60-122.2 in January 2014.



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

C150405

Borrower: Centennial Water & Sanitation District **County:** Douglas

Project Name: Chatfield Reallocation Project

Project Type: Reservoir Storage

Drainage Basin: South Platte

Water Source: South Platte River
Plum Creek

Total Project Cost: \$48,888,000

Funding Source: Severance Tax Perpetual
Base Fund

Type of Borrower: High-income Municipal

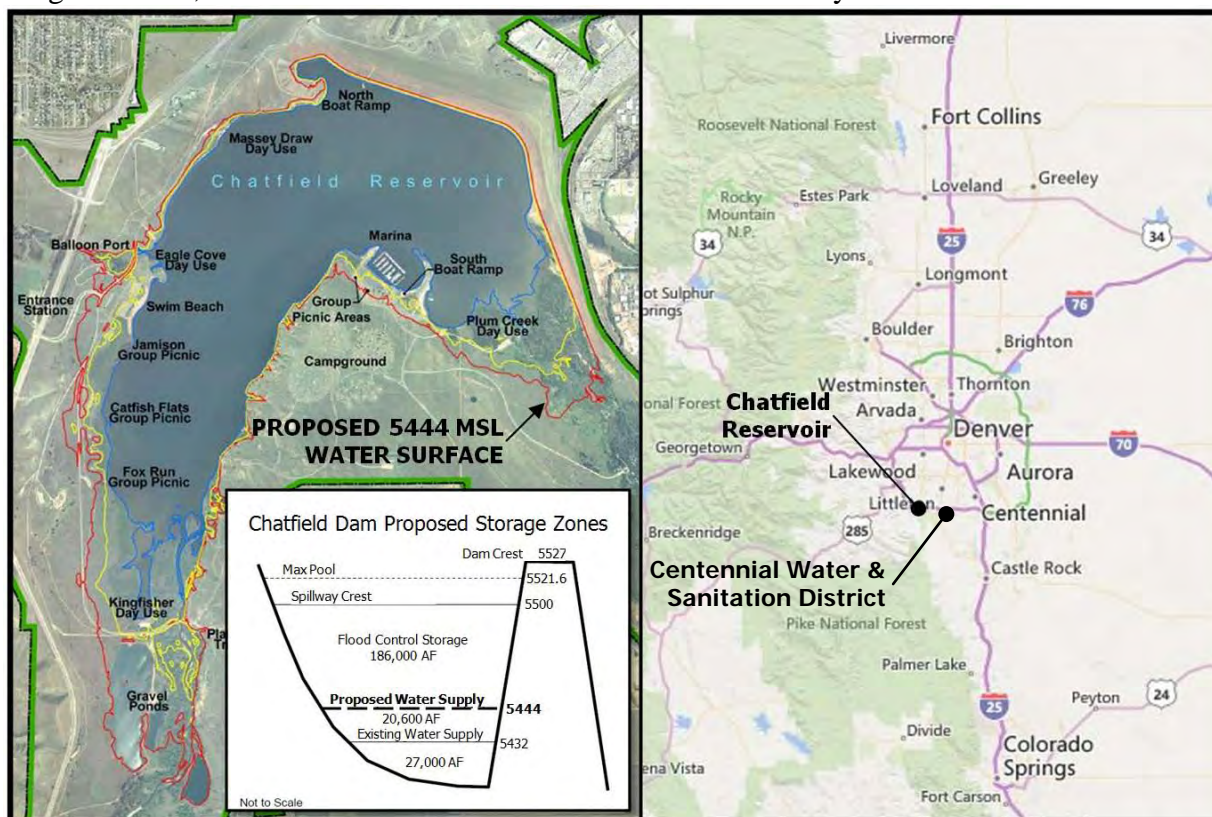
Average Annual Delivery: 17,500 AF

Added Water Supply Storage: 6,922.1 AF

CWCB Loan: \$44,440,000 (with 1% service fee) **Interest Rate:** 3.0% **Term:** 30-years

The Centennial Water & Sanitation District provides water and wastewater services to the residents and businesses of Highlands Ranch in Douglas County. The District is participating in the Chatfield Reallocation Project in order to increase the permanence and reliability of its water supply. Successful completion of the Project would result in the District securing renewable water rights that on average would supply 16% of its average annual water demand. Of the 20,600 acre-feet proposed to be reallocated, the District would receive 6,922.1 acre-feet of storage, or 33.6% of the total reallocation. The District will store Chatfield water in accordance with water court Case Nos. 83CW184, 84CW411, and 85CW314.

The US Army Corps of Engineers issued the Project's Feasibility Report and Environmental Impact Statement (FR/EIS) in July 2013 and a Record of Decision is expected in 2014. The Selected Alternative recommended in the Final FR/EIS will provide 20,600 acre-feet of storage in Chatfield between the elevations 5432 and 5444 msl for M&I water supply and other purposes including agriculture, environmental restoration, and recreation and fishery habitat protection and enhancement. Project participants completed the Project's Fish, Wildlife and Recreation Mitigation Plan, in accordance with C.R.S. 37-60-122.2 in January 2014.



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

C150406

Borrower: Center of Colorado Water
Conservancy District

County: Park

Project Name: Chatfield Reallocation Project

Project Type: Reservoir Storage

Drainage Basin: South Platte

Water Source: South Platte River
Plum Creek

Total Project Cost: \$931,000

Funding Source: Severance Tax Perpetual
Base Fund

Type of Borrower: Middle-income Municipal

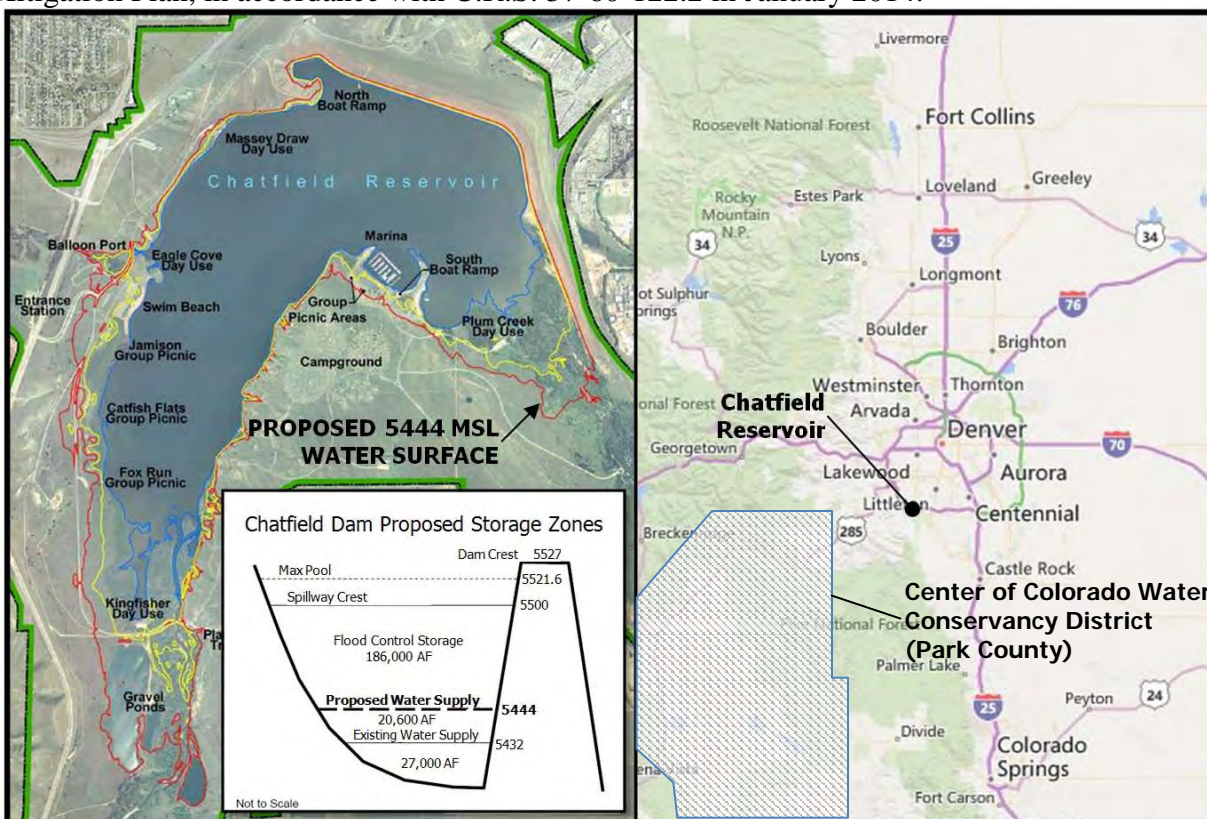
Average Annual Diversion: 700 AF

Added Water Supply Storage: 131.3 AF

CWCB Loan: \$606,000 (with 1% service fee) **Interest Rate:** 2.5% **Term:** 15-years

The Center of Colorado Water Conservancy District co-owns and manages a blanket augmentation plan with the Upper South Platte Water Conservancy District through the Headwater Authority of the South Platte. The District is participating in the Chatfield Reallocation Project in order to improve its augmentation operations by needed storage space at the lower reaches of its augmentation plan. Of the 20,600 acre-feet proposed to be reallocated, the District would receive 131.3 acre-feet of storage, or 0.64% of the total reallocation. The District will use Chatfield storage to store senior and junior rights as authorized in water court Case Nos. 12CW50 and 13CW3148.

The US Army Corps of Engineers issued the Project's Feasibility Report and Environmental Impact Statement (FR/EIS) in July 2013 and a Record of Decision is expected in 2014. The Selected Alternative recommended in the Final FR/EIS will provide 20,600 acre-feet of storage in Chatfield between the elevations 5432 and 5444 msl for M&I water supply and other purposes including agriculture, environmental restoration, and recreation and fishery habitat protection and enhancement. Project participants completed the Project's Fish, Wildlife and Recreation Mitigation Plan, in accordance with C.R.S. 37-60-122.2 in January 2014.



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

C150407

Borrower: Central Colorado Water
Conservancy District

County: Adams, Weld

Project Name: Chatfield Reallocation Project

Project Type: Reservoir Storage

Drainage Basin: South Platte

Water Source: South Platte River
Plum Creek

Total Project Cost: \$28,170,000

Funding Source: Severance Tax Perpetual
Base Fund

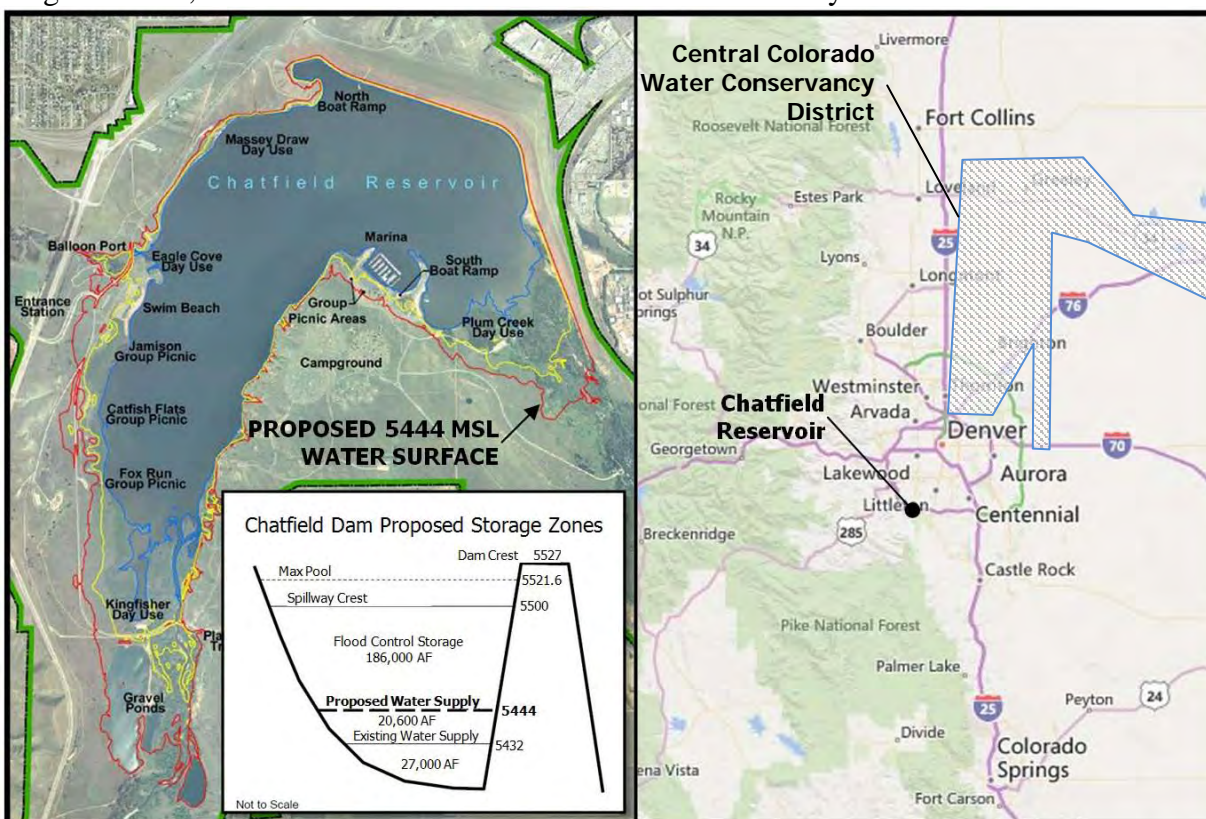
Type of Borrower: Agricultural

Average Annual Delivery: 24,600 AF
Added Water Supply Storage: 4,274 AF

CWCB Loan: \$28,451,700 (with 1% service fee) **Interest Rate:** 1.75% **Term:** 30-years

The Central Colorado Water Conservancy District is located in the South Platte River basin between Denver and Fort Morgan including Beebe Draw, and the lower portions of the Box Elder Creek and Lost Creek drainages. Approximately 210,000 acres of irrigated agricultural lands are served by the District. The District is participating in the Chatfield Reallocation Project to increase the availability of augmentation water for users within its District. Of the 20,600 acre-feet proposed to be reallocated, the District would receive 4,274 acre-feet of storage, or 20.75% of the total reallocation. The location of Chatfield provides the ability to replace well depletions to all locations within the District.

The US Army Corps of Engineers issued the Project's Feasibility Report and Environmental Impact Statement (FR/EIS) in July 2013 and a Record of Decision is expected in 2014. The Selected Alternative recommended in the Final FR/EIS will provide 20,600 acre-feet of storage in Chatfield between the elevations 5432 and 5444 msl for M&I water supply and other purposes including agriculture, environmental restoration, and recreation and fishery habitat protection and enhancement. Project participants completed the Project's Fish, Wildlife and Recreation Mitigation Plan, in accordance with C.R.S. 37-60-122.2 in January 2014.



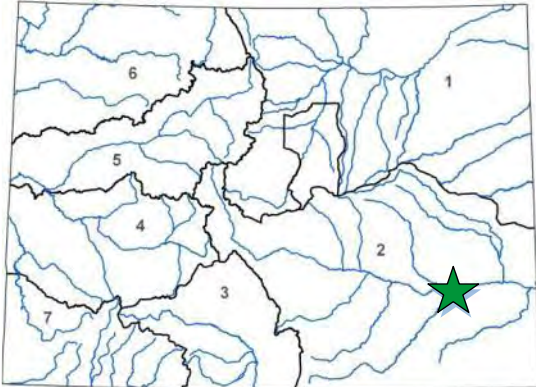


Repair & Replacement of the Las Animas Consolidated Canal Spillway Structure

Las Animas Consolidated Canal Company

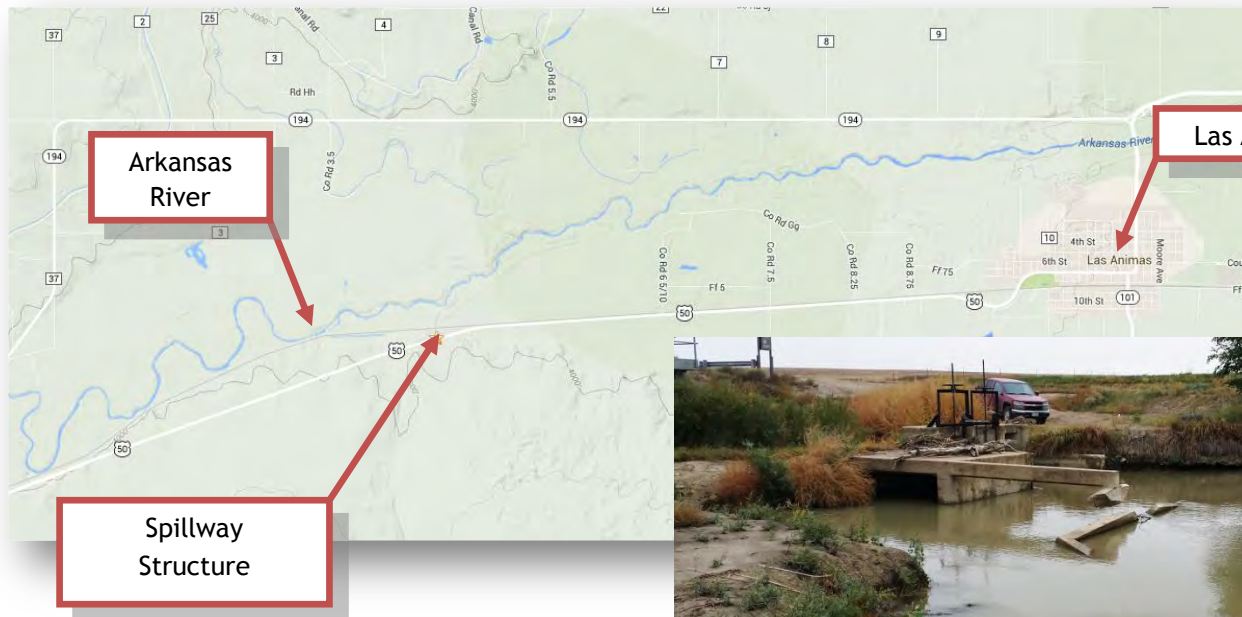
November 2014 Board Meeting

L O A N D E T A I L S	
Project Cost:	\$ 400,200
CWCB Loan (with Service Fee):	\$ 363,782
Loan Term and Interest Rate:	30 Years @ 5.05%
Funding Source:	
B O R R O W E R T Y P E	
Agriculture	Municipal
23%	0%
	Commercial
	77%
P R O J E C T D E T A I L S	
Project Type:	Spillway Structure Replacement
Average Annual Diversion:	26,000 AF



L O C A T I O N	
County:	Bent
Water Source:	Arkansas River
Drainage Basin:	Arkansas
Division:	2
District:	17

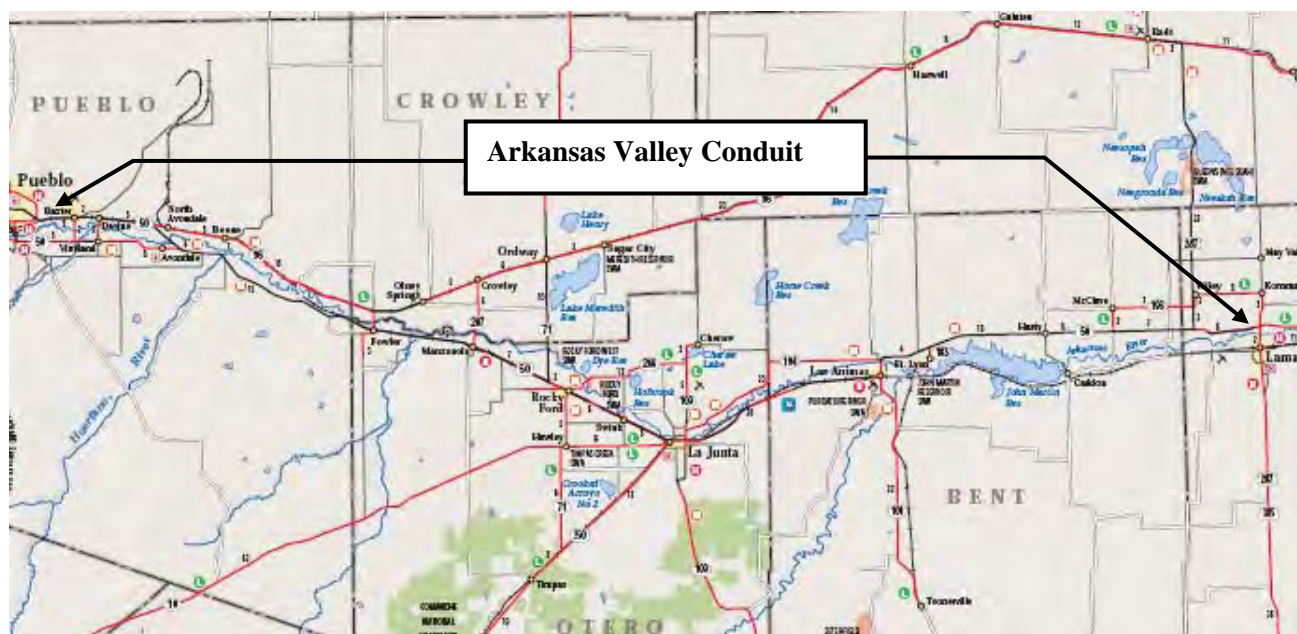
The Las Animas Consolidated Canal Company and the Consolidated Extension Canal Company were formed in the mid-1870s and together have continuously operated to irrigate 8,300 acres of land in the vicinity of Las Animas, Colorado. A significant, localized thunderstorm occurred during the night in April 2014, which created heavy runoff which flowed into the canal downstream of the main canal headgate through several uncontrolled and ungaged tributaries. These flows exceeded the capacity of the existing spillway structure at the river return, caused the structure to be overtopped and undermined, and resulted in catastrophic failure of the existing structure. While temporary measures have been put in place to keep the ditch in operation, a long-term solution is being sought. The Company is seeking to replace the spillway structure with an improved and modernized structure similar to the original design, but with additional control and safety measures to allow automated canal operations, including response to similar flooding conditions in the future. Modernization of this structure will improve routine canal operations and safety, in addition to mitigating future canal failure risk.



Water Project Construction Loan Program - Project Data

Borrower: SECWCD - Enterprise	County: Pueblo, Crowley, Otero, Bent, Prowers
Project Name: Arkansas Valley Conduit	Project Type: Water Supply Pipeline
Drainage Basin: Arkansas	Water Source: Arkansas – Fry-Ark Project
Total Project Cost: \$300,000,000	Funding Sources: CWCB, Federal
Type of Borrower: Municipal/Low	Aver. Delivery: 6,555 AF (2005 demand)
CWCB Construction Fund Loan: \$60,600,000 (incl. 1% loan fee)	Interest Rate: 3.25% Term: 30 years

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



Location Map



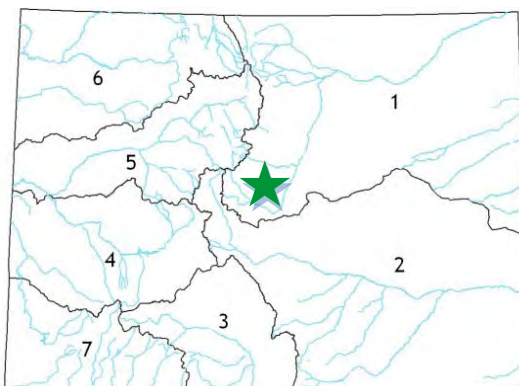
Water Project Loan Program
Project Data Sheet

Rehabilitation and Replacement of Water Meters

Bow Mar Water & Sanitation District

March 2015 Board Meeting

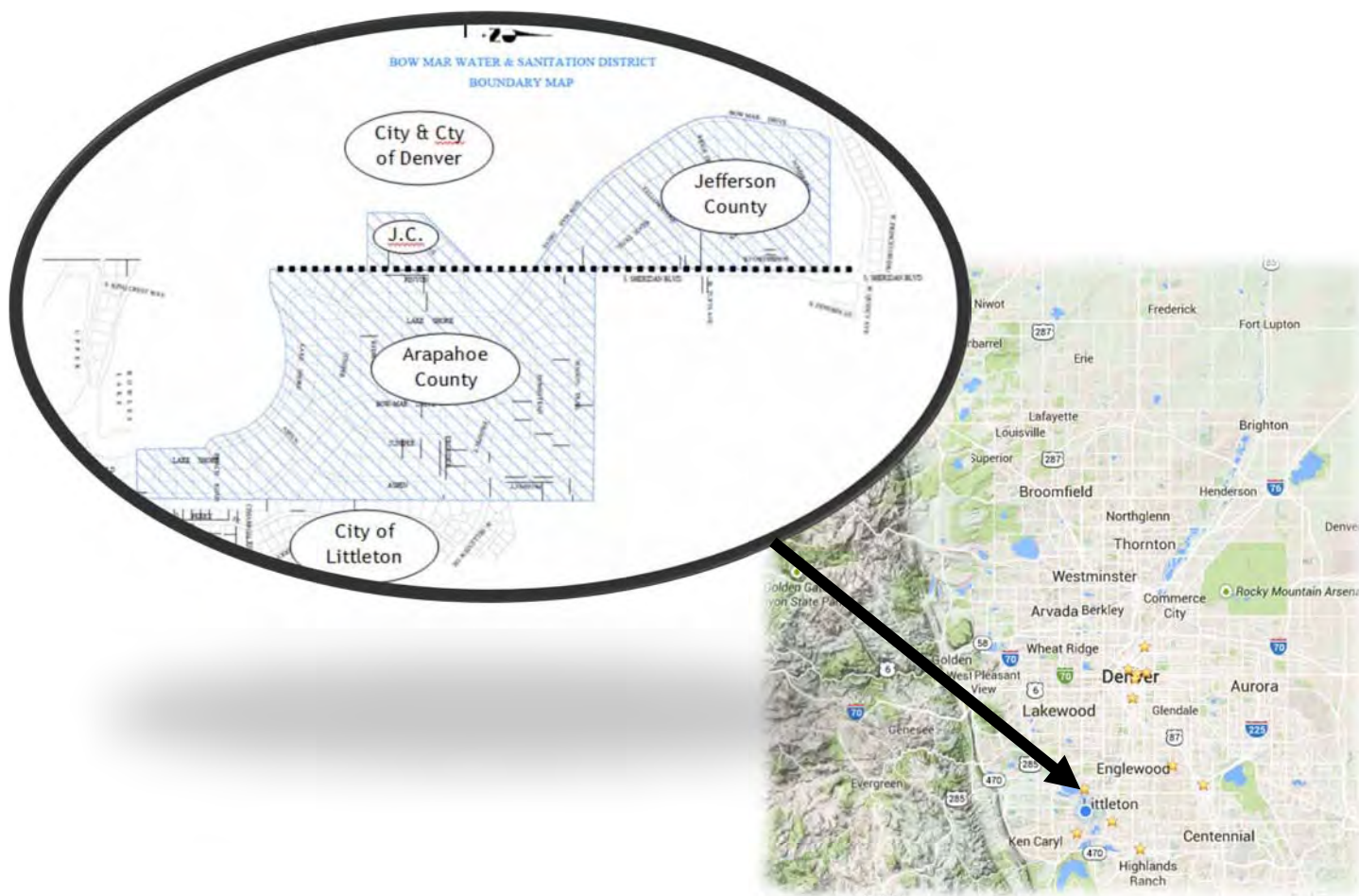
L O A N D E T A I L S	
Project Cost:	\$366,102
CWCB Loan (with Service Fee):	\$332,795
Loan Term and Interest Rate:	10 Years @ 2.65%
Funding Source:	Construction Fund
Agriculture	Municipal
0%	0% Low 0% Mid 100% High 0%
P R O J E C T S U M M A R Y	
Project Type:	Municipal Water
Residential Customers	293
Annual Water Use	338 Acre-Feet



The Bow Mar Water & Sanitation District is a master meter distributor for Denver Water located just south of Denver. The District seeks loan funding for the planned rehabilitation and replacement of water meters throughout the subdivision service area.

L O C A T I O N	
County:	Arapahoe & Jefferson
Water Source:	Denver Water (Master Meter)
Drainage Basin:	Metro
Division:	1 District: 9

The purpose of the project is to replace or rehabilitate the existing meters, which currently under-report actual usage due to age and wear. The meter replacement/rehabilitation program will replace 233 meters, rehabilitate 60 existing meters by replacing the meter register to accommodate automatic meter reading, and update the District's billing system to accommodate automatic meter reading.



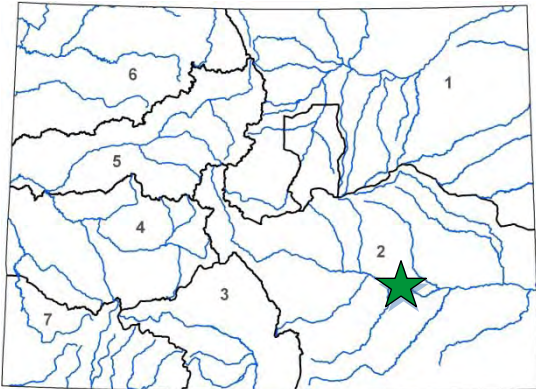


Water Rights Purchase Project

Lower Arkansas Valley Water Conservancy District

May 2015 Board Meeting

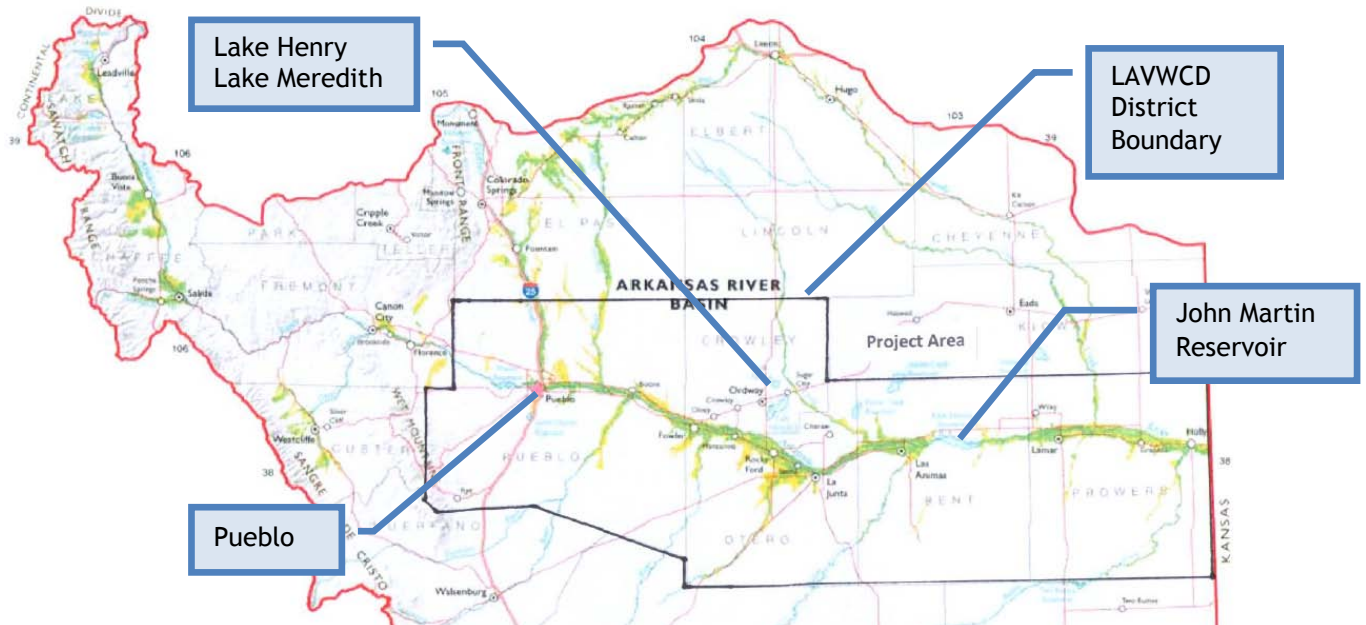
L O A N D E T A I L S	
Project Cost:	\$4,077,000
CWCB Loan (with Service Fee):	\$2,560,350
Loan Term and Interest Rate:	20 years @ 1.45%
Funding Source:	Severance Tax Perpetual Base Fund
B O R R O W E R T Y P E	
Agriculture	Municipal Commercial
100%	0% Low 0% Mid 0% High 0%
P R O J E C T D E T A I L S	
Project Type:	Water Rights Purchase
Average Annual Delivery:	442 AF



L O C A T I O N	
County:	Bent, Crowley, Otero, Prowers, Pueblo
Water Source:	Arkansas River
Drainage Basin:	Arkansas
Division:	2 Districts:14,17, & 67

The Lower Arkansas Valley Water Conservancy District supports agriculture in the Lower Arkansas River valley, participating in water-related projects and providing water for Rule 10 and Rule 14 plans in compliance with the Arkansas River Compact, the Catlin Following-Leasing pilot project, and leases to farmers as needed and available.

The District plans to purchase 400.6 Colorado Canal Company shares to complement an additional purchase of 149.4 Colorado Canal Company shares with the support of a separate WSRA Grant and District funds.



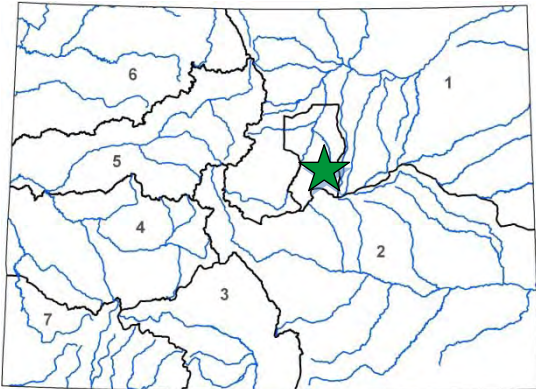


Raw Water Supply Project

Plum Valley Heights Subdistrict of the Roxborough Water and Sanitation District

May 2015 Board Meeting

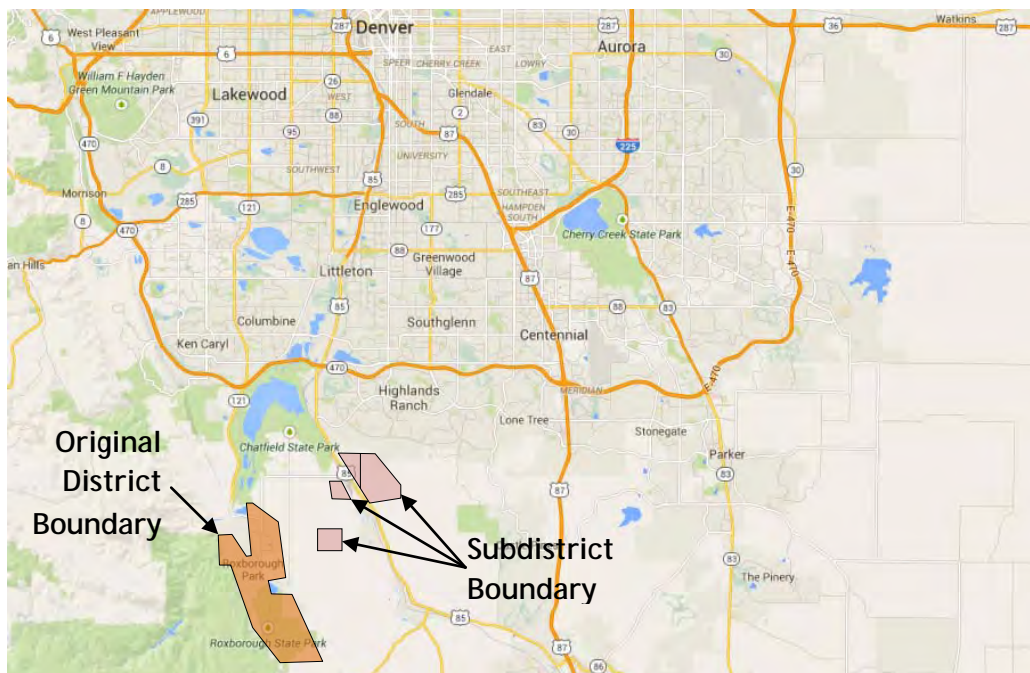
L O A N D E T A I L S	
Project Cost:	\$2,473,605
CWCB Loan (with Service Fee):	\$2,248,260
Loan Term and Interest Rate:	30 Years @ 3.05%
Funding Source:	Construction Fund
B O R R O W E R T Y P E	
Agriculture	Municipal
0%	0% Low - 0% Mid - 100% High
Commercial	0%
P R O J E C T D E T A I L S	
Project Type:	Water Rights Purchase
Average Annual Delivery:	150 AF



L O C A T I O N	
County:	Douglas
Water Source:	South Platte River
Drainage Basin:	South Platte
Division:	1
District:	8

Plum Valley Heights Subdistrict of the Roxborough Water and Sanitation District was recently formed to provide rural communities in Douglas County with a renewable water supply. The communities will be connected to the Roxborough Water and Sanitation District system through an infrastructure project funded by a WSR grant, CWRPDA loan, and Douglas County. The total project cost (including infrastructure) is approximately \$14.9M. The CWCB loan will finance the acquisition of a renewable water supply from the City of Aurora.

The existing residential developments of Chatfield Acres, Chatfield East, and Plum Valley Heights, and the industrial development of Titan Road Industrial Park, were built in the 1970s and 1980s. These developments are currently served by individual wells completed in the non-tributary Denver Basin aquifers. Water levels in the Denver Basin aquifers are declining, particularly in the margins of the aquifers where these developments are located. As a result, existing wells in these developments have either already failed, or are in danger of failing. The Metro Roundtable has determined this project is an important component of replacing the use of non-tributary groundwater in the South Metropolitan Area of Denver and in solving the water supply gap identified in SWSI.



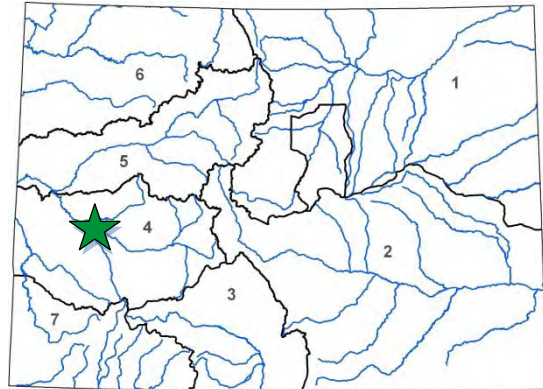


Drop 5 Hydroelectric Project

Uncompahgre Valley Water Users Association

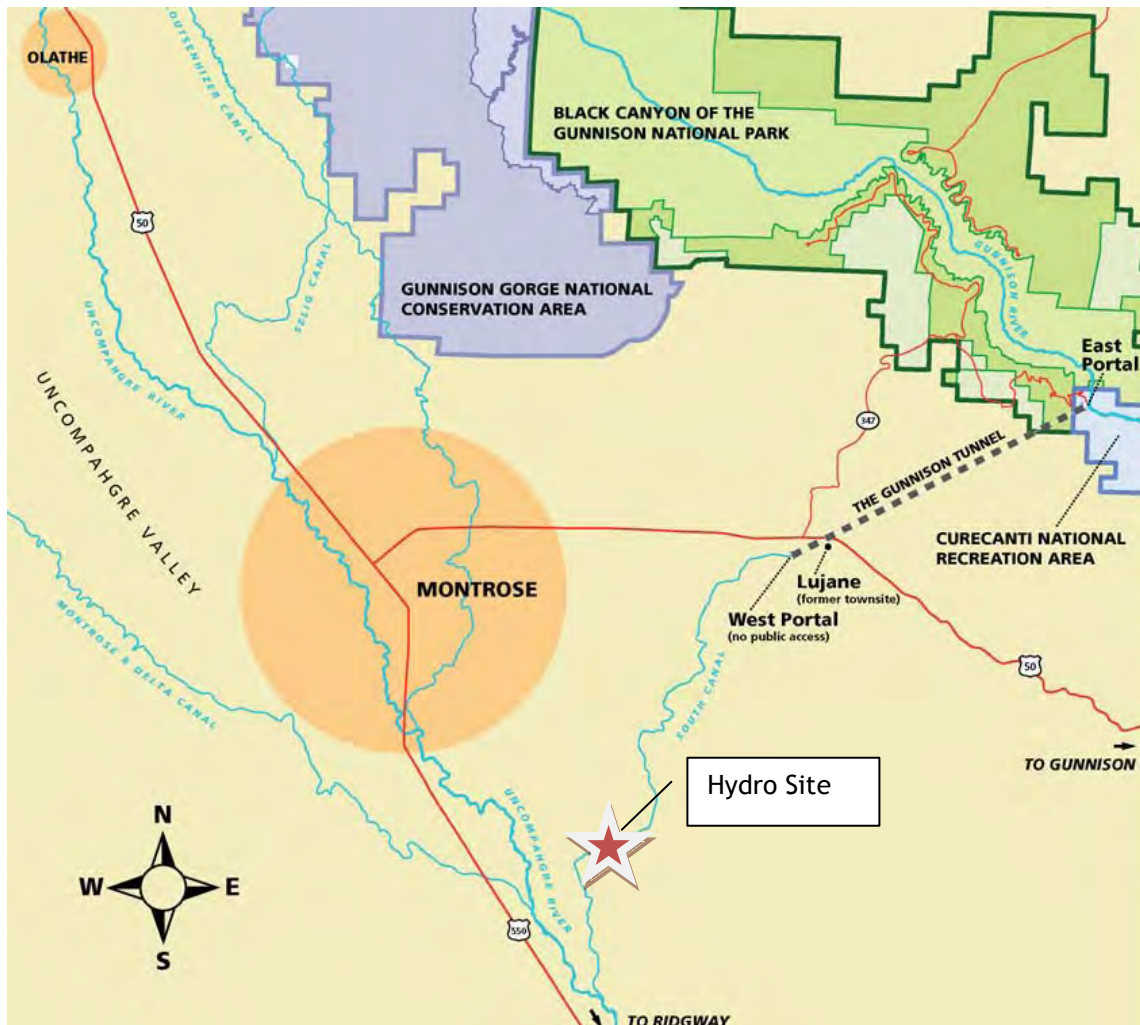
May 2015 Board Meeting

L O A N D E T A I L S	
Project Cost:	\$7,700,000
CWCB Loan (with Service Fee):	\$6,999,300
Loan Term and Interest Rate:	20-years @ 2.0%
Funding Source:	Severence Tax Perpetual Base Fund
B O R R O W E R T Y P E	
Agricultural	
P R O J E C T D E T A I L S	
Project Type:	Hydroelectric
Average Annual Power Production	2.2 MW



L O C A T I O N	
County:	Montrose & Delta
Water Source:	Gunnison River
Drainage Basin:	Gunnison
Division:	4
District:	41

The Uncompahgre Valley Water Users Association provides irrigation water to over 85,000 acres in Montrose and Delta Counties. It intends to develop a 2.2 MW hydroelectric project known at the Drop 5 Hydroelectric Project alongside an existing canal. The existing canal will be used as a by-pass during non-power generation times. The power will be sold to Delta Montrose Electric Association and will be used locally. Power production is anticipated by summer of 2016.





COLORADO

**Colorado Water
Conservation Board**

Department of Natural Resources

1313 Sherman Street
Denver, CO 80203

P (303) 866-3441

F (303) 866-4474

John Hickenlooper, Governor

Mike King, DNR Executive Director

James Eklund, CWCB Director

TO: Colorado Water Conservation Board Members

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

DATE: July 15-16, 2015

DIRECTORS REPORT: Water Project Loan Program
Emergency Loan Status Report

As a result of the unprecedented floods of September 2013, the CWCB awarded zero-interest and no-payment 3-year bridge loans to water suppliers. Typically the loans are utilized by borrowers to replace diversion structures and reconstruct the ditch delivery system.

To date, the CWCB has twenty (20) projects authorized totaling \$22.6 million. There are currently nineteen (19) projects under contract ready to receive loan funds for eligible project expenses. The CWCB Emergency Loan Program has Completed Construction on four (4) projects as shown in Table 1.

The attached spreadsheet summarizes the status of the projects. A detailed description can be found on the subsequent Data Sheets.

TABLE 1

	Borrower	Project	County	Loan	Completed
1	Boulder & Larimer Co Irr.	Diversion Structure Repair	Boulder/Larimer	\$202,000	April '14
2	Culver Ditch Company	Culver Mahoney Ditch Repair	Boulder/Larimer	\$151,500	May '14
3	Ish Reservoir Company	Inlet Ditch & Div. Repair	Boulder	\$207,050	April '14
4	Sylvan Dale Ranch, LLLP	Emergency Pond Excavation	Larimer	\$105,171	May '14
			Total:	\$665,721	



Boulder and Larimer County Irrigating and Manufacturing Ditch Company
Emergency Boulder & Larimer Diversion Structure Repair

C150374



Project Description

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged. The purpose of this Project is to repair the Little Thompson River diversion structure and the Ish Reservoir inlet ditch structure to allow the Company to deliver water to shareholders.

Project Data

Sponsor: Boulder & Larimer
County Irrigating & Manufacturing
Ditch Co.

County: Boulder & Larimer

Water Source: Little Thompson River

Terms of Loan: \$202,000 for 30 years @ 1.90%

Construction Completed: April 2014

Expended Amount: \$202,000

Anticipates FEMA Funding: NO

Design Engineer: Tessara Water, LLC - Hudson, Colorado and SM&RC Structural Engineers, Inc. - Lakewood, Colorado

Contractors: Concrete Structures, Inc. - Longmont, CO. & Zac Dirt, Inc. - Longmont, CO.

Project Elements: The Project included the repair of the Little Thompson River diversion structure and the Ish Reservoir Inlet Ditch: The scope of work for the diversion structure repairs involved removing debris from the dam and diversion structure, forming and pouring a new wing wall on the north side of the diversion dam, and then rechanneling the Little Thompson River to flow back over the diversion dam. The scope of work for the inlet ditch washout repairs involved creating a new path for the Company's ditch through the area. This involved creating a foundation secured to bedrock and building a new water conveyance system on top of the foundation.

Culver Lateral Ditch Company Emergency Culver Mahoney Ditch Repair

150390



Project Description

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Culver Lateral Ditch Company ditch and diversion structure. The flood damaged the diversion dam, headgate structure, sand gates, measurement flume, and recording structure. Additionally, the first 1,500 feet of ditch was destroyed as it effectively became a part of the Little Thompson River. The next 1,800 feet of ditch was filled with sediment. The purpose of the Project is to repair the diversion structure and ditch to allow the Company to divert its decreed water rights.

Project Data

Sponsor: Culver Lateral Ditch Company County: Water Source: Little Thompson River
Boulder/Larimer
Terms of Loan: \$151,000 for 30 years @ 2.30% Construction Completed: May 2014
Expended Amount: \$151,000
Anticipates FEMA Funding: YES
Design Engineer: TZA Water Engineers, Inc. - Lakewood, Colorado
Contractor: Chaparral Construction, LLC - LaVeta, Colorado

Project Elements: The project included removal of debris and silt from the ditch and diversion dam, reshaping the ditch sideslopes and flowline, and rehabilitation of the headgate structure, sand gates, measurement flume, and recording structure.

Ish Reservoir Company Emergency Inlet Ditch and Diversion Structure Repair

C150376



Project Description

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged. The purpose of this Project is to repair the Little Thompson River diversion structure and the Ish Reservoir inlet ditch structure to allow the Company to deliver water to shareholders.

Project Data

Sponsor: Ish Reservoir Company

County: Boulder &
Larimer

Water Source: Little Thompson River

Terms of Loan: \$207,050 for 30 years @ 1.75%

Construction Completed: April 2014

Expended Amount: \$207,050

Anticipates FEMA Funding: NO

Design Engineer: Tessara Water, LLC - Hudson, Colorado and SM&RC Structural Engineers, Inc. - Lakewood, Colorado

Contractors: Concrete Structures, Inc. - Longmont, CO. & Zac Dirt, Inc. - Longmont, CO.

Project Elements: The Project included the repair of the Little Thompson River diversion structure and the Ish Reservoir Inlet Ditch. The scope of work for the diversion structure repairs involved removing debris from the dam and diversion structure, forming and pouring a new wing wall on the north side of the diversion dam, and then rechanneling the Little Thompson River to flow back over the diversion dam. The scope of work for the inlet ditch washout repairs involved creating a new path for the Company's ditch through the area. This involved creating a foundation secured to bedrock and building a new water conveyance system on top of the foundation.

Sylvan Dale Ranch, LLLP
Emergency Irrigation Pond Excavation

C150392



Project Description

The Ranch has been owned and operated by the Jessup family since 1946 as both a guest ranch and a working ranch encompassing 3,200 acres in the foothills at the mouth of the Big Thompson Canyon, seven miles west of Loveland. There are 160 the year, the pastures are grazed by the Ranch's grass-fed cattle herd. The Ranch owns two adjoining ponds next to Big Thompson River. The ponds, which were silted in during the September 2013 flood, are fed by springs and drain into the river just above the George Rist Ditch diversion. The Ranch pumps water out of the ponds to irrigate pastures located immediately south of the ponds. Between 142 and 190 acre-feet are used per season, using two center pivots. Without these ponds, there is no means to irrigate the pastures. The purpose of this project is to excavate the silt from the ponds.

Project Data

Sponsor: Sylvan Dale Ranch, LLP County: Larimer
Terms of Loan: \$105,171 for 30 years @ 1.75%
Expended Amount:\$105,171
Anticipates FEMA Funding: NO
Design Engineer: None

Water Source: Big Thompson River
Construction Completed: May 2014

Contractor: Custom Design Fabricators - Livermore, Colorado

Project Elements: The ponds were excavated and the silt was distributed to various locations on the Ranch.

Emergency Loan - Summary

Loan Program
Attachment 4

Current Projects in Design or under Construction

Borrower/Project		Contract	County	Loan Amount	Design Status	Construction Start/End	Construction Status	PM	Status Description/Update
1	Beeman Irrigation > Emergency Beeman Diversion Dam Repair C150385	385	Weld	\$ 2,020,000	100%	1/2014-5/2014	100%	JH	Construction complete, loan funds remaining. No additional disbursements are anticipated.
2	Big Elk Meadows Association > Emergency Raw Water Storage Repair C150391	15-039	Boulder/ Larimer	\$ 1,515,000	75%	7/2014-4/2015	20%	JH	Project includes the reconstruction of 5 dams in series. Mirror Dam complete as of April 2015. Rainbow Dam to be constructed Fall 2015 with other 3 dams to follow. Association still working with FEMA to get Meadows Dam covered.
3	Big Thompson and Platte River > Big Thompson & Platte River Div. Structure Repair C150373	373	Larimer	\$ 808,000	100%	5/2014-6/2014	95%	JH	Design change complete. Project is now a siphon crossing the Little Thompson River, rather than an elevated pipe. Construction nearly completed.
4	Boulder and Larimer County Irrigation > Boulder & Larimer Diversion Structure Repair C150374	374	Boulder & Larimer	\$ 202,000	100%	1/2014-4/2014	100% Ltr	JH	Construction complete, used all loan funds. No grant reimbursements are expected.
5	Butte Irrigation & Milling Company > Emergency Berm Repair C150382	382	Boulder	\$ 277,750	100%	4/2014-5/2014	100%	JH	Construction complete, loan funds remaining. No additional disbursements are anticipated.
6	Church Ditch Water Authority > Leyden Creek Crossing Repair C150377	377	Jefferson	\$ 606,000	100%	1/2014-5/2014	95%	JH	Repair construction complete, small amount of loan funds remaining. Additional disbursements are anticipated for mitigation portion of project. Company has applied \$360k of FEMA money to loan balance.
7	Consolidated Home Supply Ditch & Reservoir Co > Big Dam Diversion Structure Repair C150375	15-010	Larimer	\$ 1,840,000	100%	1/2014-10/2014	98%	JH	Loan increase approved at Sept 2014 for flood mitigation work. Flood repairs to the dam have been completed. New headgates, sandgates, control gate, and the new spillway gate are all near complete. Company to request FEMA closeout meeting soon.
8	Consolidated Home Supply Ditch & Reservoir Co > George Rist Ditch Repair C150380	15-020	Larimer	\$ 519,140	100%	2/2014-5/2014	98%	JH	Loan Increase request approved during July 2014 Board Meeting. Expecting last pay request for diversion dam repairs.
9	Culver Ditch Company > Culver Mahoney Ditch Repair C150390	390	Boulder & Larimer	\$ 151,500	100%	2/2014-4/2014	100% Ltr	JH	Construction complete, used all loan funds. FEMA grant reimbursement is still pending.
10	Green Ditch Company > Emergency Green Ditch Channel Repair C150383	383	Boulder	\$ 530,250	100%	5/2014-6/2014	100%	JH	The project schedule and description has been revised to include only the river breach construction, which has been completed. The diversion structure will be completed using other funds. No additional loan disbursements are expected.

Emergency Loan - Summary

Loan Program
Attachment 4

11	Haldi Ditch Company > Emergency Haldi Ditch Repair C150389	389	Boulder	\$ 50,500	100%	1/2014-3/2014	100%	JH	Construction completed but Ditch Company's contribution was covered with grants. Loan to be deauthorized in November 2015.
12	Highland Ditch Company > Highland Ditch System Repairs C150369	369	Boulder	\$ 1,999,800	100%	10/2013-4/2014	100%	JH	Construction complete, loan funds remaining. No additional disbursements are anticipated.
13	Ish Reservoir Company > Inlet Ditch & Diversion Structure Repair C150376	376	Boulder	\$ 207,050	100%	1/2014-4/2014	100% Ltr	JH	Construction complete, used all loan funds.
14	Left Hand Ditch Company > Left Hand Ditch System Repairs C150370	15-008	Boulder	\$ 3,276,056	100%	10/2013-2/2015	99%	JH	Several projects are included in this loan. All are complete or very near completion. Significant savings in Project cost because anticipated Left Hand Valley work did not have to be done. Company has applied \$592k of FEMA money to loan balance.
15	North Poudre Irrigation Company > Fossil Creek Res. Diversion Structure Repair C150368	15-024	Larimer	\$ 481,770	100%	Fall 2015 - Spring 2016	0%	JH	Construction was delayed due to continuously high river conditions during winter of 2014/2015.
16	Oligarchy Irrigation Company > Oligarchy Irr. Ditch River Diversion Struct. Repair C150372	372	Boulder	\$ 1,262,500	100%	1/2014-5/2014	100%	JH	Construction complete, loan funds remaining. No additional disbursements are anticipated. Company has applied \$584k of FEMA money to loan balance.
17	Rough & Ready Irrigation Ditch Company > Rough & Ready River Diversion Struct.Repair C150371	371	Boulder	\$ 1,843,250	100%	1/2014-5/2014	100%	JH	Construction complete, loan funds remaining. No additional disbursements are anticipated. Company has applied \$960k of FEMA money to loan balance.
18	Supply Irrigating Ditch Company >Emergency Supply Irrigating Ditch Repair Project CT15-142	15-142	Boulder	\$324,210	100%	3/2015-5/2015	100%	JH	Construction complete, awaiting pay request for construction.
19	Sylvan Dale Ranch,LLP > Emergency Irrigation Pond Excavation C150392	392	Larimer	\$ 105,171	100%	6/2014-4/2014	100% Ltr	JH	Construction complete, used all loan funds. Company has applied \$84k of grant funds to loan balance.

Projects Under Contract SubTotal = \$ 18,019,947

Emergency Loan - Summary

Loan Program
Attachment 4

Projects Not Under Contract

a	St. Vrain and Left Hand Water Conservancy District > Emergency Rock'n WP Ranch Lake No. 4 Repair	388	Boulder	\$ 4,545,000	In Contracting	JH	Approved July 2014 Board Meeting. District delaying contracting until agreements with Boulder County are in place.
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Not Under Contract SubTotal = \$ 4,545,000

Grand Total = \$ 22,564,947

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

C150385

Borrower: Beeman Irrigating Ditch and
Milling Company
Project Name: Emergency Beeman
Diversion Dam Repair
Drainage Basin/ District: South Platte / 2

County: Weld

Project Type: Diversion Rehabilitation

Water Source: South Platte River

Total Project Cost: \$2,000,000

Funding Source: Severance Tax PBF

Type of Borrower: Agricultural

Average Annual Diversion: 10,586 AF

CWCB Loan: \$2,020,000
(with 1% service fee)

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

The Company and Meadow Island No. 2, jointly operate a diversion dam, measurement flume, and bifurcation structure. (Beeman is allocated 75% of costs, Meadow Island is allocated 25% of costs). The diversion headworks was constructed in the early 1900s to irrigate approximately 5,000 acres under both canal systems. The September 2013 flood deposited silt covered the diversion dam and cut a new channel through the historic island, cutting off flow to the joint headworks area. The project includes four phases: 1) Demolition of existing structures and reconstruction of the headworks (headwall, headgates, flow measurement, and bifurcation structure), 2) Install an adjustable check dam in place of the current stop log dam, 3) Demolition of a portion of the existing “big dam” structure at the river, 4) Channel bank stabilization will be coordinated with adjoining landowners.



CWCB Water Project Loan Program Project Data Sheet

C150391

Borrower: Big Elk Meadows Association

County: Boulder/Larimer

Project Name: Emergency Raw Water Storage
Repair Project

Project Type: Reservoir Rehabilitation

Drainage Basin/ District: South Platte / 4

Water Source: West Fork of the Little
Thompson River

Total Project Cost: \$1,900,000

Funding Source: Severance Tax PBF

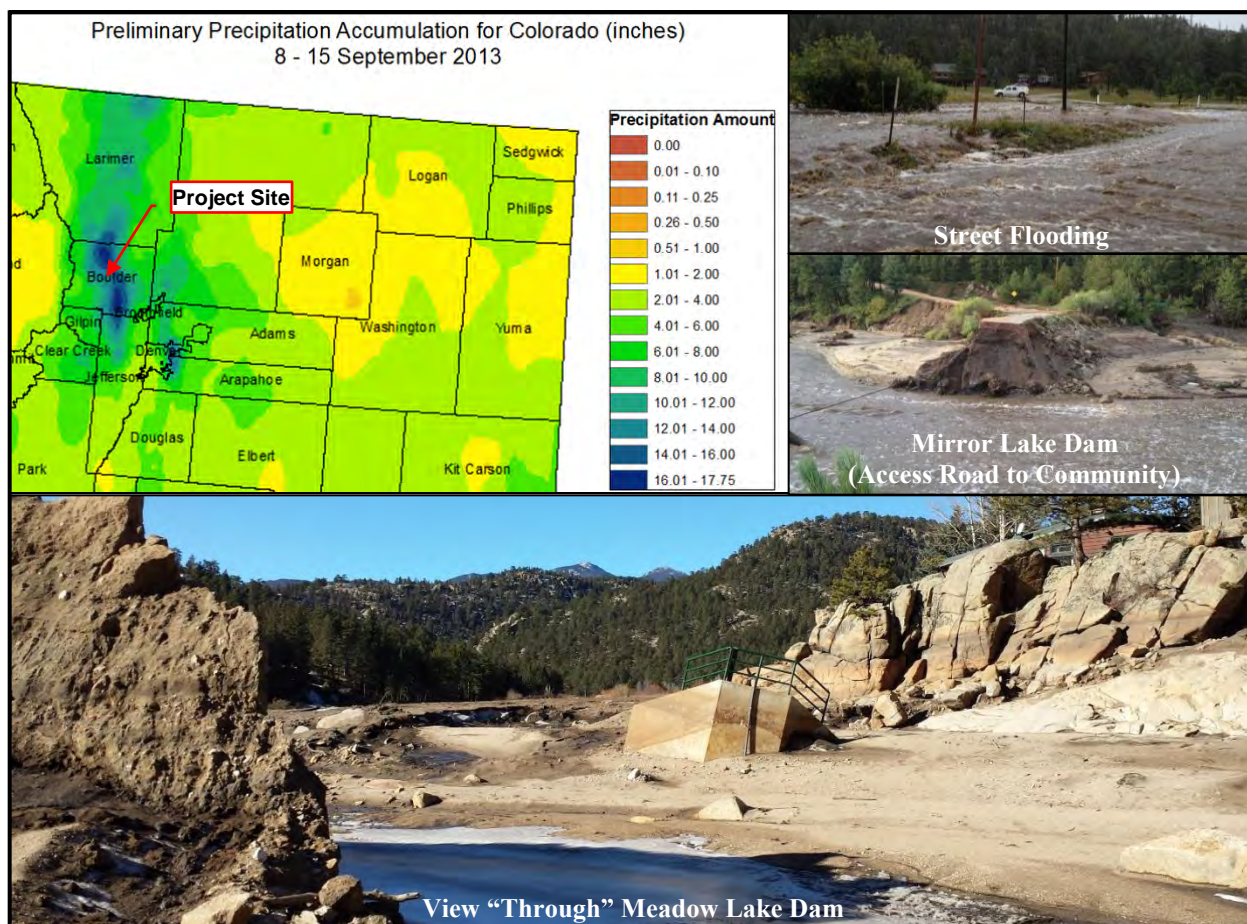
Type of Borrower: Middle-Income Municipal

Water Storage: 108 AF

CWCB Loan: \$1,515,000
(with 1% service fee)

Interest Rate: 2.75% **Term:** 30-years

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged. Measured rainfall in and around Big Elk Meadows exceeded the 1,000-year Average Recurrence Interval for rainfall. Flow along the West Fork reached historic levels and resulted in the destruction of all five dams; both flow monitoring stations; the community's access road (CR-47); the majority of interior roads; and the water, power, and telephone services. The purpose of this project is to restore the community's water supply by reconstructing the five dams and two monitoring stations.



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

C150373

Borrower: Big Thompson & Platte River
Ditch Company

County: Larimer

Project Name: Big Thompson & Platte
River Diversion Structure Repair

Project Type: Diversion Rehabilitation

Drainage Basin/ District: South Platte / 4

Water Source: Big Thompson River

Total Project Cost: \$800,000

Funding Source: Severance Tax PBF

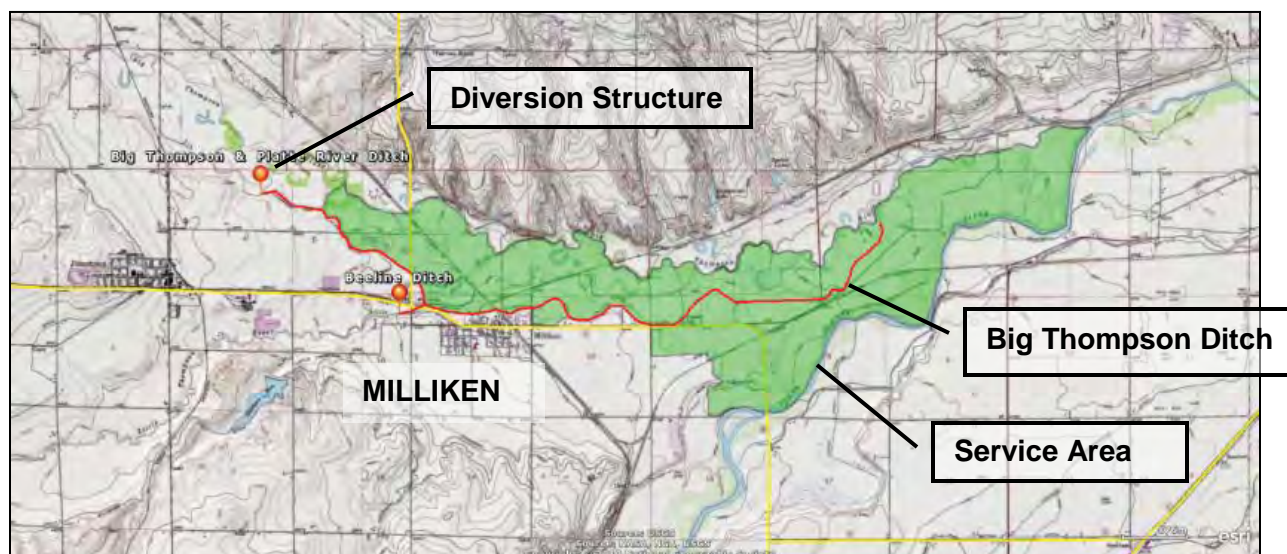
Type of Borrower: Blended

Average Annual Diversion: 9,736 AF

CWCB Loan: \$808,000
(with 1% service fee)

Interest Rate: 1.85% **Term:** 30-years
(97% Ag, 3% Comm)

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged. The purpose of this Project is to repair the diversion structure and crossing structures to allow the Company to deliver water to shareholders. The Company's diversion structure and by-pass structure will be repaired and its crossing over the Little Thompson River will be replaced. The crossing structure was a bottleneck at times of free river, so the structure will be improved to allow for additional flows.



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

C150382

Borrower: Butte Irrigating & Milling Company **County:** Boulder

Project Name: Emergency Berm Repair **Project Type:** Ditch Rehabilitation

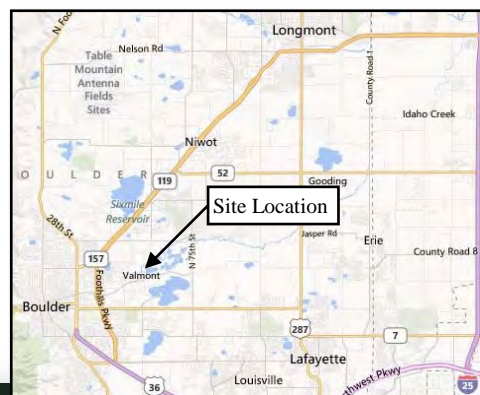
Drainage Basin/ District: South Platte / 6 **Water Source:** Boulder Creek

Total Project Cost: \$275,000 **Funding Source:** Severance Tax PBF

Type of Borrower: Blended **Average Annual Diversion:** 1,177 AF

CWCB Loan: \$277,750
(with 1% service fee) **Interest Rate:** 2.30% **Term:** 30-years
(48% Ag, 51% Mid-Muni, 1% Commercial)

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Company's Butte Mill Ditch. Portions of the ditch were silted in and the flood eventually breached a berm upstream of the Company's diversion point, causing the post-flood river to bypass the diversion structure. The purpose of the Project is to repair this berm and clean out the ditch channel to allow the Company to divert its decreed water rights.



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

C150377

Borrower: Church Ditch Water Authority

County: Jefferson

Project Name: Leyden Creek Crossing Repair

Project Type: Ditch Rehabilitation

Drainage Basin/ District: South Platte / 7

Water Source: Clear Creek

Total Project Cost: \$600,000

Funding Source: Severance Tax PBF

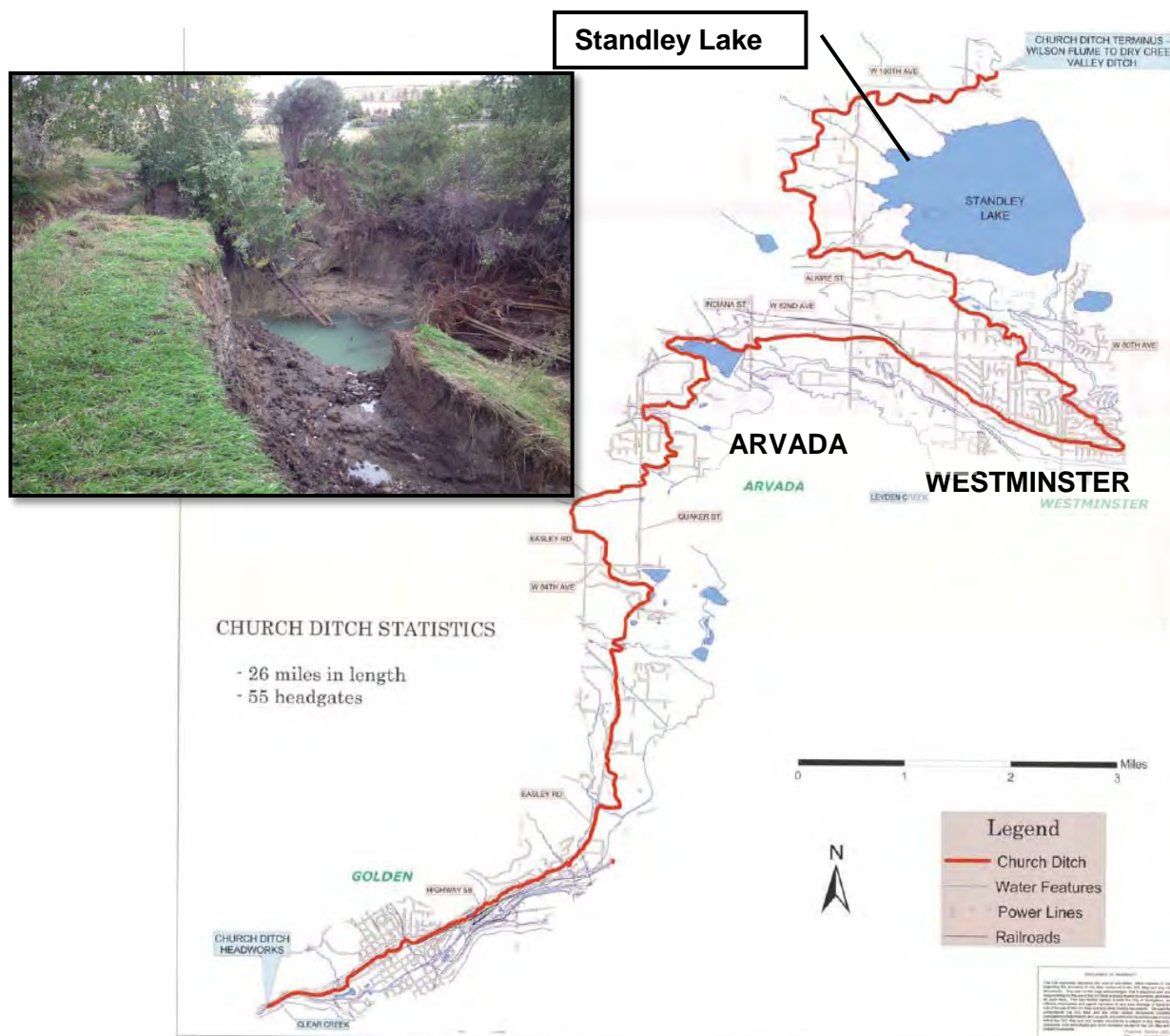
Type of Borrower: Blended

Average Annual Diversion: 8,355 AF

CWCB Loan: \$606,000
(with 1% service fee)

Interest Rate: 2.85% **Term:** 30-years
(6% Ag, 26% Mid, 67% High, <1% Com)

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Authority's Church Ditch. Church Ditch flood repairs include restoring the Church Ditch to pre-flood conditions. The Leyden Creek Crossing Structure will be rebuilt with this section of the ditch piped to prevent the uncontrolled diversion of flood waters in potential future events. For all areas of the ditch, sediment that was deposited by the flood will be removed and the ditch banks will be reshaped where sloughing occurred. Riprap will be added to portions of the reconstructed ditch banks to prevent erosion and increase protection to the ditch.





Emergency Big Dam Diversion Structure Repair

Consolidated Home Supply Ditch & Reservoir Company

September 2014 Board Meeting

(Loan Increase)

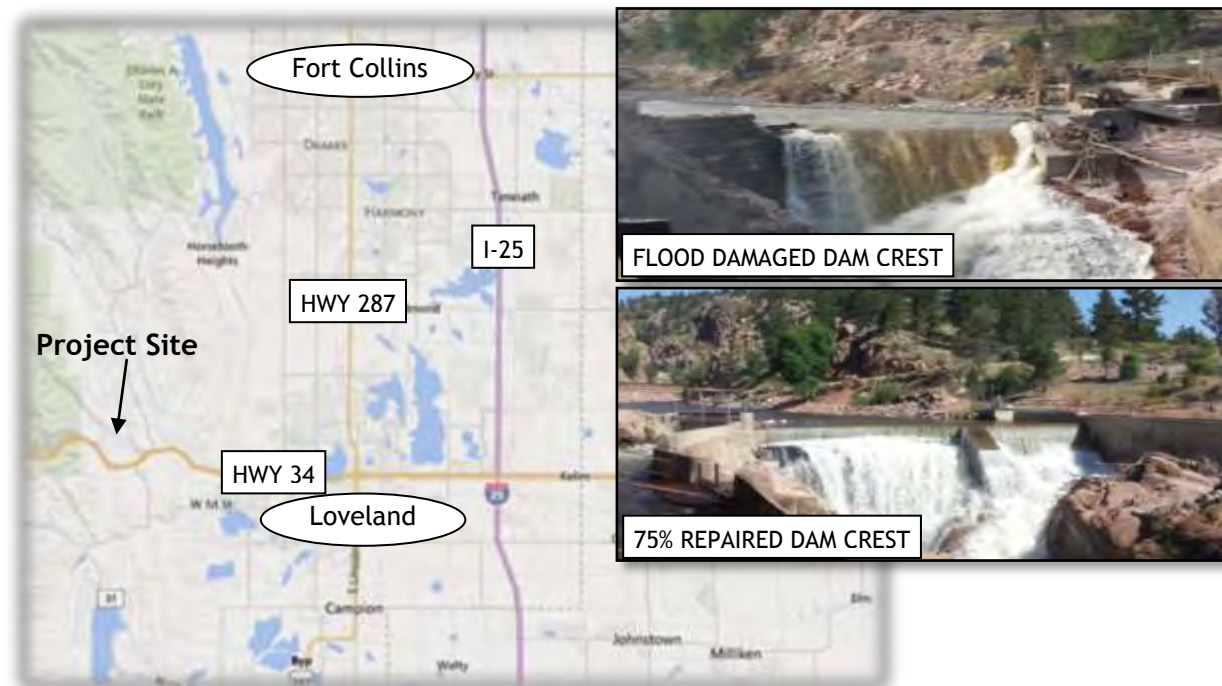
L O A N D E T A I L S	
Project Cost:	\$2,775,000
CWCB Loan (with Service Fee):	\$1,840,000 (15% increase)
Loan Term and Interest Rate:	30 Years @ 1.95%
Funding Source:	Severance Tax Perpetual Base Fund
B O R R O W E R T Y P E	
Agriculture	Municipal Commercial
76%	0% Low - 23% Mid - <1% High <1%
P R O J E C T D E T A I L S	
Project Type:	Diversion Rehabilitation
Average Annual Diversion:	22,000 AF



L O C A T I O N	
County:	Larimer
Water Source:	Big Thompson River
Drainage Basin:	South Platte
Division:	1 District: 4

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Company's "Big Dam" diversion structure. During the flood, the top five feet of the masonry dam structure was washed out and the mortar between masonry blocks on the north abutment was partially lost. Field observations show that the river was overtopping the structure by approximately 10 feet. The purpose of this project is to restore the "Big Dam" diversion structure to its pre-flood crest elevation while improving the structural integrity of the structure.

As part of the design and evaluation process, the Company worked with FEMA, the Engineer, and the Construction Manager to identify any appropriate flood mitigation measures. As a result, improvements will be made to the Big Dam's spillway capacity by reconstructing the abandoned spillway and modifying the Company's headgates. Incorporating these improvements will increase the total Project cost from \$1.6 million to \$2.8 million. The Company has agreements with FEMA and the City of Loveland to provide funding assistance. The cost-share agreement with the City allows this increase request to only be \$240,000. Construction is on-going and is expected to finish in winter of 2014/15.

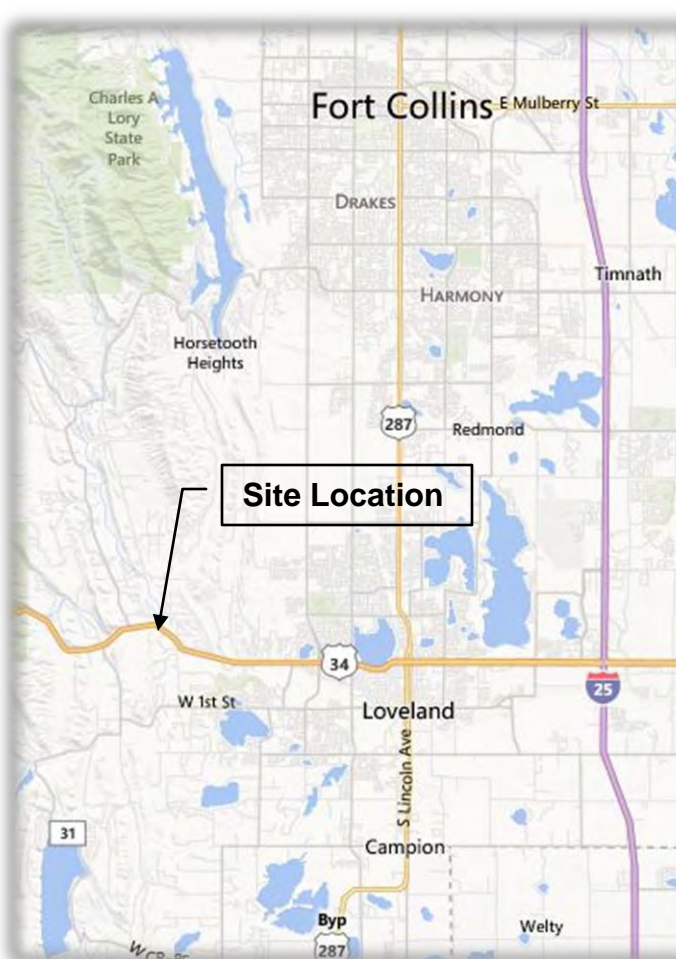


**CWCB Water Project Loan Program
Project Data Sheet
(Increase)**

C150380

Borrower: Consolidated Home Supply Ditch & Reservoir Company	County: Larimer
Project Name: Emergency George Rist Ditch Repair	Project Type: Ditch Rehabilitation
Drainage Basin/ District: South Platte / 4	Water Source: Big Thompson River
Total Project Cost: \$514,000	Funding Source: Severance Tax PBF
Type of Borrower: Blended	Average Annual Diversion: 22,000 AF
CWCB Loan: \$519,140 (with 1% service fee)	Interest Rate: 1.95% Term: 30-years (76% Ag, 23% Mid, <1% High, <1% Com)

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged, including the Company's George Rist ditch and diversion structure. During the flood, the diversion dam, headgate, measuring flume, stilling well and house, and access road were heavily damaged. Additionally, two sections of the ditch's embankment and bottom were completely washed out. The purpose of this Project is to restore the George Rist Ditch to its pre-flood condition. During repairs, approximately \$70,000 worth of additional needs were identified prompting a request for additional funds.



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

C150383

Borrower: Green Ditch Company

County: Boulder

Project Name: Emergency Green
Ditch Channel Repair

Project Type: Ditch Rehabilitation

Drainage Basin/ District: South Platte / 6

Water Source: Boulder Creek

Total Project Cost: \$525,000

Funding Source: Severance Tax PBF

Type of Borrower: Blended

Average Annual Diversion: 1,847 AF

CWCB Loan: \$530,250
(with 1% service fee)

Interest Rate: 2.50% **Term:** 30-years
(21% Ag, 58% Mid, 5% Com)

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Green Ditch. Additionally the flood relocated Boulder Creek at this location and water no longer flows to the Green Ditch headgate. Various stakeholders have indicated the creek's new alignment is more environmentally friendly alignment. In an effort of collaboration the Company plans to relocate their point of diversion upstream of the breach and build a fish friendly diversion structure. A new pipeline will connect the new diversion structure with the existing ditch.



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

C150389

Borrower: Haldi Ditch Company

County: Boulder

Project Name: Emergency Haldi Ditch Repair

Project Type: Ditch Rehabilitation

Drainage Basin/ District: South Platte / 5

Water Source: Left Hand Creek

Total Project Cost: \$343,000

Funding Source: Severance Tax PBF

Type of Borrower: Agricultural/Municipal

Average Annual Diversion: 3,000 AF

CWCB Loan: \$50,500
(with 1% service fee)

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

The Haldi Ditch is located within the Left Hand Ditch Company's system and within the Left Hand Water District. The Haldi Ditch conveys Left Hand Ditch Company shares via a pipeline for irrigation users and as a raw water source for the Left Hand Water District's Spurgeon Water Treatment Plant and two Left Hand Water District reservoirs. During the 2013 flood event, the Left Hand Creek left its bank immediately upstream of the Haldi Diversion scouring a new channel and disconnecting the creek from the diversion. The proposed project involves the construction of a grouted boulder drop structure to divert water back into the historic channel leading to the intake structure. The historic channel and structures will be cleared of debris and repaired. The pipeline that was scoured and damaged will be removed and replaced with new ductile iron pipe. The access road will be restored to existing conditions and the diversion and stream bank will be armored.



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

C150369

Borrower: Highland Ditch Company

County: Boulder

Project Name: Highland Ditch System
Repairs

Project Type: Ditch Rehabilitation

Drainage Basin/ District: South Platte / 5

Water Source: St. Vrain Creek

Total Project Cost: \$1,980,000

Funding Source: Severance Tax PBF

Type of Borrower: Blended

Average Annual Diversion: 38,000 AF

CWCB Loan: \$1,999,800
(with 1% service fee)

Interest Rate: 1.95% **Term:** 30-years
(86% Ag, 6% Mid, 6% High, 2% Com)

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged. The purpose of this Project is to repair the Company's system to allow the delivery of water to shareholders. The scope of work includes: repairing of the main diversion structure, headgate, SCADA system, and inlet and outlet of Foothills Reservoir.

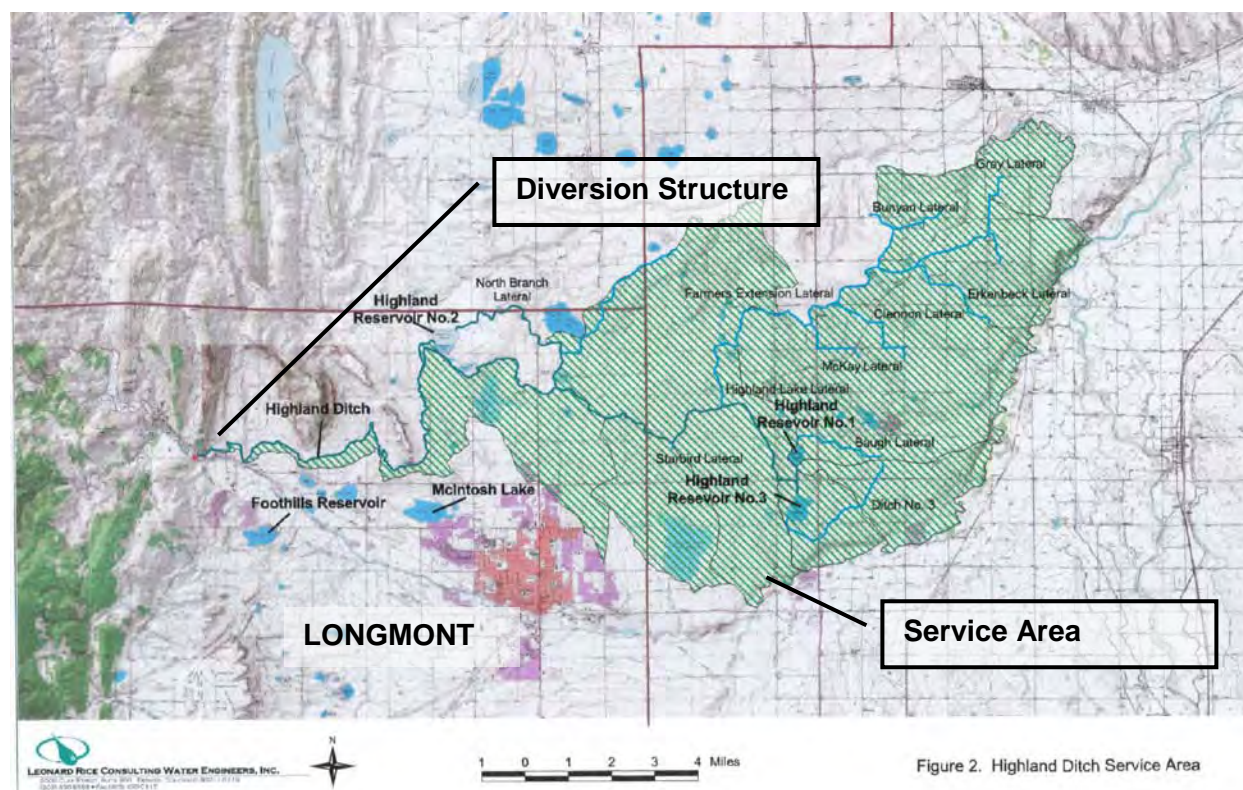


Figure 2. Highland Ditch Service Area

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

C150370

Borrower: Left Hand Ditch Company

County: Boulder

Project Name: Left Hand Ditch System
Repairs

Project Type: Ditch Rehabilitation

Drainage Basin/ District: South Platte / 5

Water Source: Left Hand &
St. Vrain Creeks

Total Project Cost: \$3,243,620

Funding Source: Severance Tax PBF

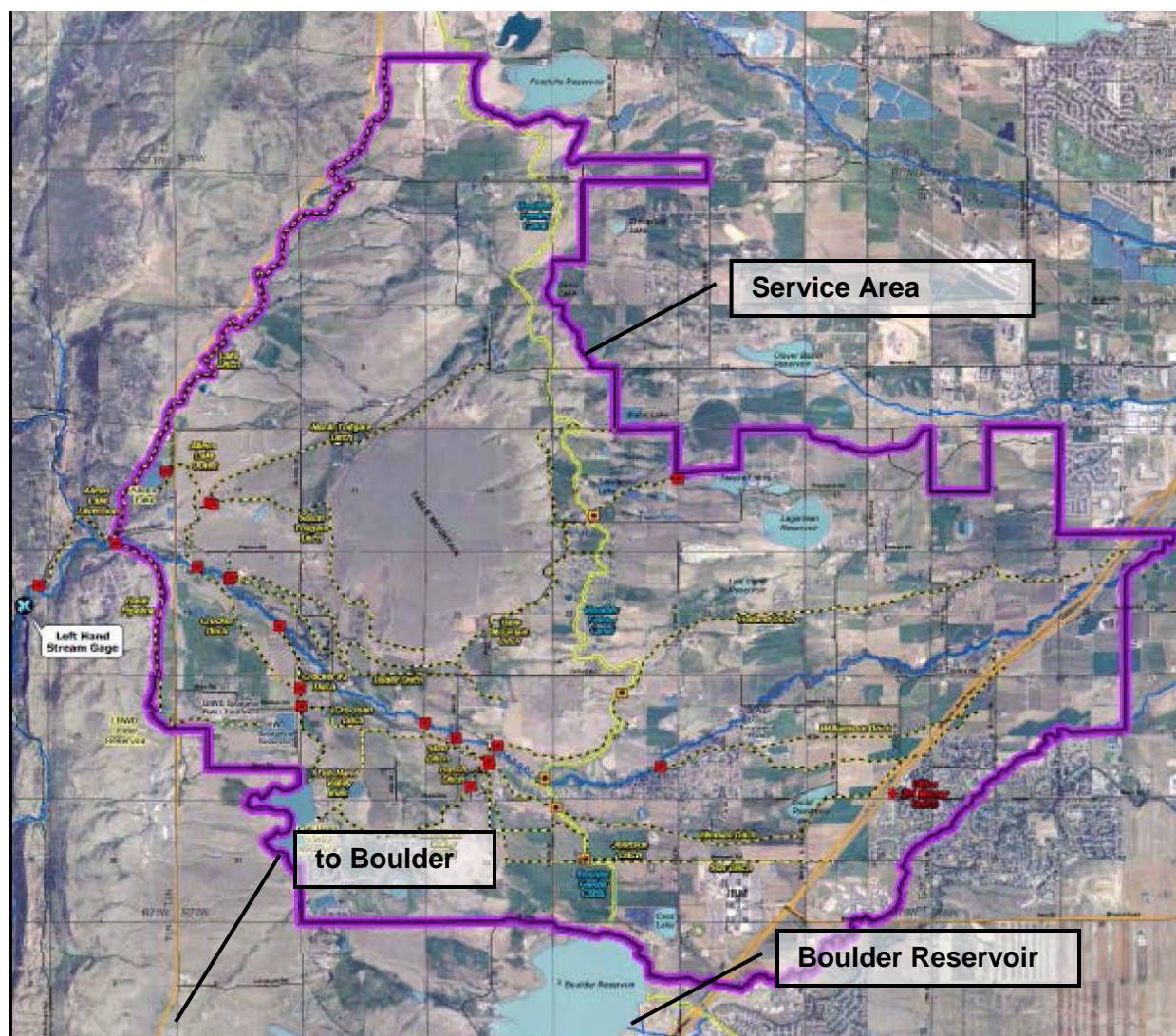
Type of Borrower: Blended

Average Annual Diversion: 22,700 AF

CWCB Loan: \$3,276,056
(with 1% service fee)

Interest Rate: 2.30% **Term:** 30-years
(46% Ag, 38% Mid, 16% High)

The Company plans to restore its system to pre-flood condition which includes: Replacement of Left Hand Creek Parshall Flume and Recorder Station, repair of Left hand Valley Diversion repair of several ditches: Crocker, Table mountain, Bader, Hunman, Star, Holland, Williamson, and Gold Lake Filler Ditch, replace the diversion dam and headgate structure at Allen's Lake Filler Canal Head Gate



Interest Rate: 2.35% Term: 30-years
(37% Ag, 1% Low, 57% Mid, 4% High, <1% Com)

The map displays the Fort Collins area with major roads and landmarks. A red line indicates the project route. A black box labeled "Project Site" is located near the intersection of I-25 and I-76. A black box labeled "Fossil Creek Reservoir" is located south of the project site. An inset image in the top right corner shows a close-up of a concrete foundation failure, with a red arrow pointing to the damaged area.

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

C150372

Borrower: Oligarchy Irrigation Company

County: Boulder

Project Name: Oligarchy Irrigation Ditch
River Diversion Structure Repair

Project Type: Diversion Rehabilitation

Drainage Basin/ District: South Platte / 5

Water Source: St. Vrain Creek

Total Project Cost: \$1,250,000

Funding Source: Severance Tax PBF

Type of Borrower: Blended

Average Annual Diversion: 7,966 AF

CWCB Loan: \$1,262,500
(with 1% service fee)

Interest Rate: 2.50% **Term:** 30-years
(26% Ag, 72% Mid, 2% High)

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Company's diversion off the St. Vrain Creek. Of the original structure, only a small portion of the diversion dam and right abutment remain. The purpose of this Project is to rebuild the diversion dam, sand gates, Rubicon flumegate, and bypass gate. The structure will be the same size and location as the original but will modify the sand gates and flumegate. The original structure had one sand gate into which the Rubicon flumegate was installed. For better operation and river administration, the rebuilt diversion will separate the sand gate and the flumegate into their own passages through the diversion dam.



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

C150371

Borrower: Rough & Ready Irrigating
Ditch Company
Project Name: Rough & Ready Ditch River
Diversion Structure Repair
Drainage Basin/ District: South Platte / 5

County: Boulder
Project Type: Diversion Rehabilitation
Water Source: St. Vrain Creek

Total Project Cost: \$1,825,000

Funding Source: Severance Tax PBF

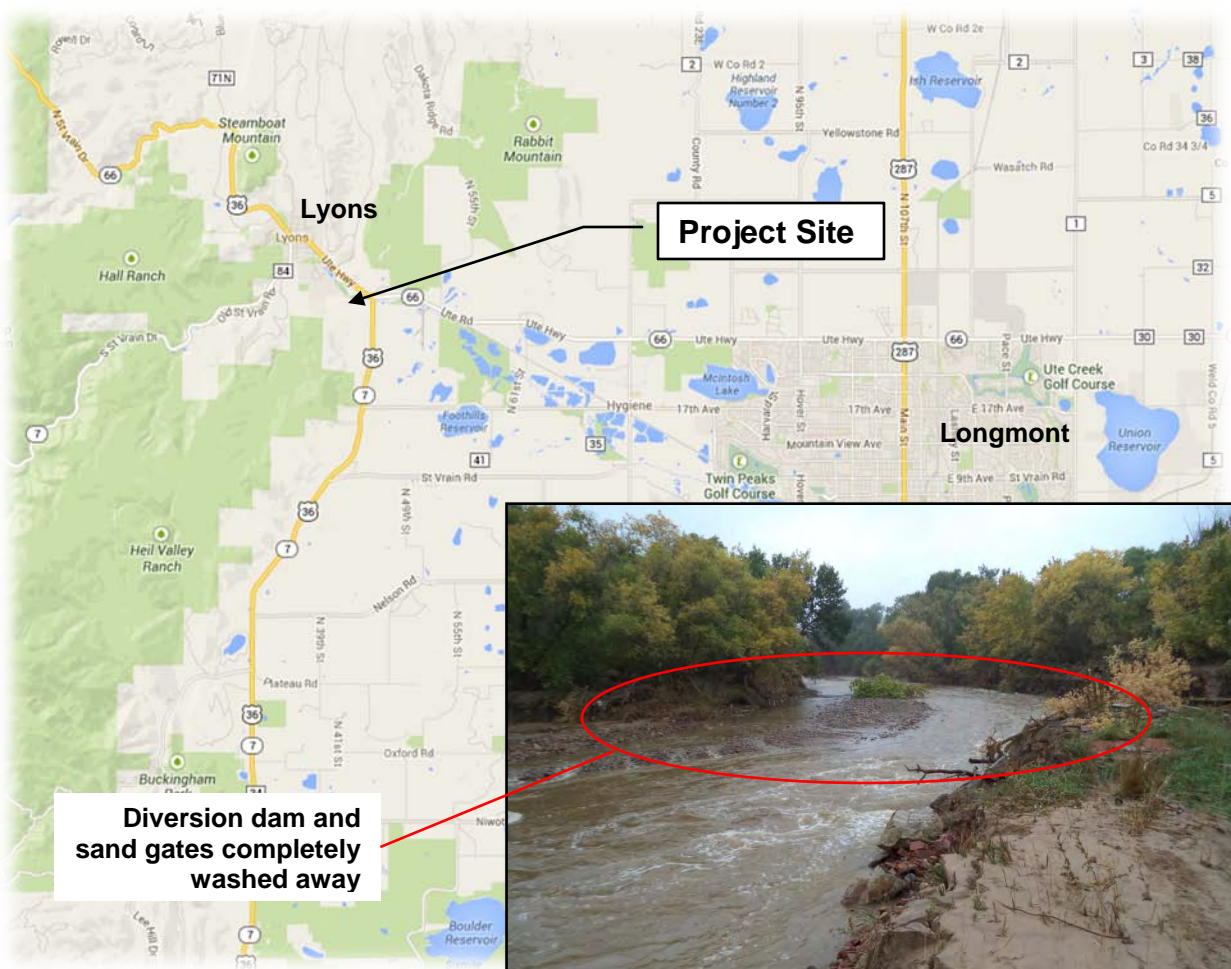
Type of Borrower: Blended

Average Annual Diversion: 7,528 AF

CWCB Loan: \$1,843,250
(with 1% service fee)

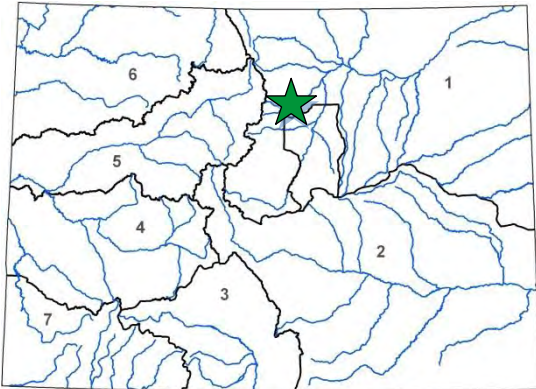
Interest Rate: 2.7% **Term:** 30-years
(15% Ag, 69% Mid, 13% High, 3% Com)

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Company's river diversion off the St. Vrain Creek. This structure also serves as the diversion dam for the Palmerton Ditch. The diversion dam and sand gates no longer exist and the headgates sustained major damage. The purpose of this Project is to rebuild the diversion dam, sand gates, Rubicon flumegate, headgates, ditches, and measuring flumes. The structure will be the same size and location but will include a combined conveyance ditch off the diversion and will include the addition of a bypass to the river to better regulate diversions.





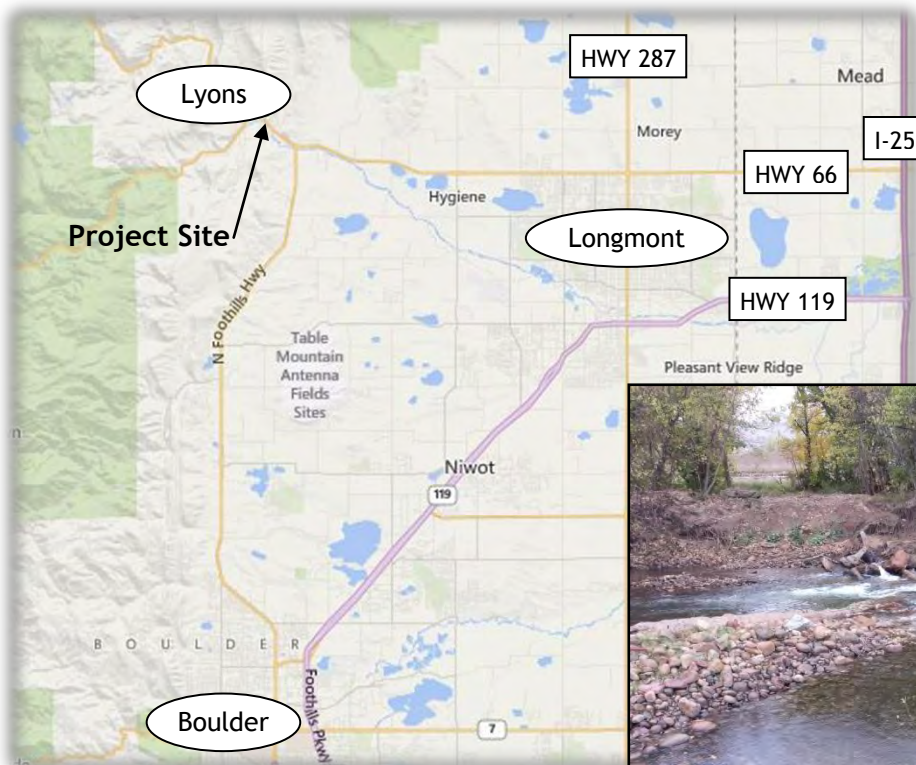
L O A N D E T A I L S	
Project Cost:	\$321,000
CWCB Loan (with Service Fee):	\$324,210
Loan Term and Interest Rate:	27 Years @ 2.25%
Funding Source:	Severance Tax Perpetual Base Fund
B O R R O W E R T Y P E	
Agriculture	Municipal Commercial
86%	0% Low - 5% Mid - 7% High 2%
P R O J E C T D E T A I L S	
Project Type:	Ditch Rehabilitation
Average Annual Diversion:	4,650 AF



L O C A T I O N			
County:		Boulder	
Water Source:		Saint Vrain Creek	
Drainage Basin:		South Platte	
Division: 1		District: 5	

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Company's ditch system. Floodwaters destroyed the diversion dam, caused heavy sedimentation in the ditch, and damaged 750 LF of ditch.

Temporary repairs were completed in order to allow the Company to divert a portion of its water rights during the 2014 irrigation season. The Company has received approval of its Project Worksheet from FEMA to fund a portion of the permanent repairs. This loan will cover the remaining cost associated with the repairs and provide upfront funding for the FEMA reimbursement funds. Construction is scheduled to be complete prior to the 2015 irrigation season.



Projects Not Under Contract

CWCB Water Project Loan Program
Project Data Sheet

Borrower: St. Vrain and Left Hand Water
Conservancy District

Project Name: Emergency Rock'n WP Ranch
Lake No. 4 Repair Project

Drainage Basin: South Platte

Total Project Cost: \$9,000,000

Type of Borrower: Blended

CWCB Loan: \$4,545,000 (with 1% service fee)

County: Boulder

Project Type: Reservoir Rehabilitation

Water Source: St. Vrain Creek

Funding Source: Severance Tax Perpetual
Base Fund

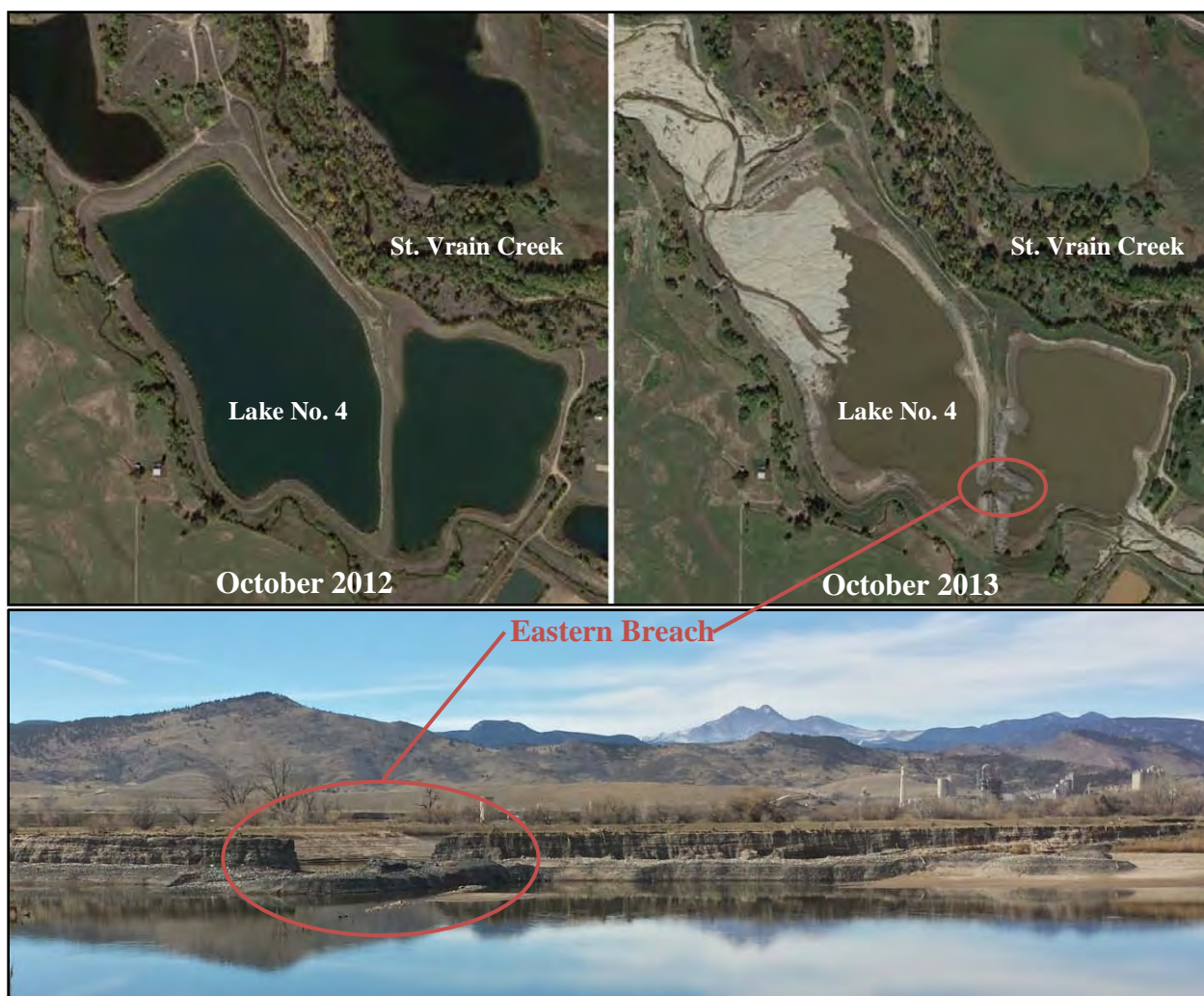
Average Annual Augmentation: 200 AF

Preserved Water Supply Storage: 600 AF

Interest Rate: 3.2% Term: 30-years

(Ownership: 93% High Municipal, 7% Commercial)

During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the District's Rock'n WP Ranch Lake No. 4. During the flood, St. Vrain Creek breached in over four locations above the Lake. The unlined gravel pits above the Lake were flooded, causing their earthen embankments to fail, sending flood water into the Lake. The Lake filled and eventually overtopped, breaching its eastern embankment. The purpose of the Project is to repair the Lake to resume its use as a water augmentation reservoir by the District. Boulder County is a co-owner of the Lake. As the County and the District are public agencies, it is expected that FEMA will reimburse 75% of the Project Cost and the State's Public Assistance Program will cover 12.5% under their respective emergency programs. The remaining cost of repairs will be evenly split with Boulder County.



**WATER PROJECT CONSTRUCTION LOAN PROGRAM
LOAN REPAYMENT DELINQUENCY REPORT
LOAN FINANCIAL ACTIVITY REPORT
JULY 2015**

LOAN REPAYMENT DELINQUENCY

Loan Repayments received relative to the Water Project Construction Loan Program have been reviewed for the period covering July 2014 through June 2015. The effective due date of the payment is inclusive of the Board's current 30 day late policy. Hence, the date the payment was received was compared to the last day allowable prior to the payment being considered late.

Repayments due for Fiscal Year 2015 totaled 281. There were six loan payments not received on time during this period. The loan payments from the Loveland Lake and Ditch Company, the Grandview Irrigation Ditch Company and the North Poudre Ditch Company (incorrect address) were less than 30 days late. The loan payments from Fuchs Ranches, Inc. and the Western Mutual Ditch Company were less than 60 days late. The loan payment from the South Platte Ditch Company is less than 30 days late but 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. Additionally, the payment from the City of Lamar for interest during construction due in October 2014 has not been received to date.

LOANS PAID OFF

During Fiscal Year 2015, there were eight loans repaid in full to the Construction Fund and six loans repaid in full to the Severance Tax Perpetual Base Fund, detailed as follows:

	Borrower	Contract No.	Original Loan	Principal Received
1	Town of Dove Creek	C153167	\$ 395,000	\$ 54,472
2	Fisher Ditch Company	C150319	\$ 110,781	\$ 110,781
3	City of Fort Morgan	C150004	\$ 4,000,000	\$ 2,571,910
4	City of Fort Morgan	C153701	\$ 5,500,000	\$ 3,898,412
5	Highline Buzzard Ditch Company	C153579	\$ 65,000	\$ 4,392
6	Mancos Water Conservancy District	C153384	\$ 81,362	\$ 27,405
7	Stagestop Owners Association	C150310	\$ 127,741	\$ 24,986
8	Tremont Mutual Ditch Company	C153726	\$ 45,000	\$ 6,245
	Totals for Construction Fund		\$ 10,324,884	\$ 6,698,603
9	The Abbott Ranch	C150220	\$ 39,174	\$ 4,080
10	Center of Colorado Water Conservancy Dist	C150276	\$ 454,500	\$ 246,746
11	Central Weld County Water District	C150122	\$ 3,937,500	\$ 2,904,582
12	City of Fort Morgan	C150004	\$ 4,000,000	\$ 2,571,910
13	Riverside Irrigation District	C150228	\$ 1,464,500	\$ 1,173,082
14	Riverside Reservoir and Land Company	C150044	\$ 405,000	\$ 271,964
	Totals for Severance Tax PBF		\$ 10,300,674	\$ 7,172,364

LOAN FINANCIAL ACTIVITY

Loan Financial Activity relative to the Water Project Construction Loan Program for Fiscal Year 2015 is summarized as follows: Funds received relative to loans in repayment totaled \$43.5 M for

this year. Funds disbursed relative to new project loans totaled \$55.5 M for this year. Net activity resulted in \$12.0 M disbursed by the CWCB Construction Fund and the Severance Tax Perpetual Base Fund (STPBF) over the total received.

Further breakdown is summarized as follows: The Construction Fund portion consists of \$21.9 M in receivables and \$47.4 M in disbursements for a total net activity of \$25.5 M disbursed over received. The STPBF consists of \$21.6 M in receivables and \$8.1 M in disbursements for a total net activity of \$13.5 M received over disbursed.

**COLORADO WATER CONSERVATION BOARD
FINANCIAL ACTIVITY REPORT FOR FISCAL YEAR 2015
CONSTRUCTION FUND**

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July 2014	\$ 437,835	\$ 258,516	\$ 696,351	\$ -	\$ 696,351
August 2014	\$ 672,304	\$ 355,624	\$ 1,027,928	\$ 3,051,658	\$ (2,023,729)
September 2014	\$ 173,303	\$ 1,125,445	\$ 1,298,748	\$ 1,780,359	\$ (481,611)
October 2014	\$ 313,537	\$ 418,508	\$ 732,045	\$ 2,563,666	\$ (1,831,621)
November 2014	\$ 174,136	\$ 430,835	\$ 604,972	\$ 23,266,337	\$ (22,661,365)
December 2014	\$ 448,450	\$ 439,188	\$ 887,638	\$ 258,605	\$ 629,033
January 2015	\$ 298,454	\$ 129,477	\$ 427,931	\$ 5,472,882	\$ (5,044,952)
February 2015	\$ 149,899	\$ 122,686	\$ 272,585	\$ 2,032,742	\$ (1,760,158)
March 2015	\$ 271,011	\$ 222,075	\$ 493,086	\$ 1,404,212	\$ (911,127)
April 2015	\$ 794,164	\$ 760,889	\$ 1,555,053	\$ 2,629,594	\$ (1,074,541)
May 2015	\$ 2,642,913	\$ 3,591,733	\$ 6,234,646	\$ 2,191,782	\$ 4,042,864
June 2015	\$ 7,066,937	\$ 593,228	\$ 7,660,165	\$ 2,774,873	\$ 4,885,291
FY 2015 Totals	\$ 13,442,943	\$ 8,448,204	\$ 21,891,147	\$ 47,426,712	\$ (25,535,565)

SEVERANCE TAX PERPETUAL BASE FUND

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July 2014	\$ 197,023	\$ 217,983	\$ 415,006	\$ -	\$ 415,006
August 2014	\$ 582,986	\$ 117,520	\$ 700,506	\$ 312,973	\$ 387,532
September 2014	\$ 4,042,146	\$ 1,241,699	\$ 5,283,844	\$ 338,024	\$ 4,945,820
October 2014	\$ 1,043,848	\$ 432,461	\$ 1,476,310	\$ 456,076	\$ 1,020,233
November 2014	\$ 343,720	\$ 67,380	\$ 411,100	\$ 1,566,008	\$ (1,154,908)
December 2014	\$ 3,678,330	\$ 133,118	\$ 3,811,448	\$ 778,996	\$ 3,032,452
January 2015	\$ 262,227	\$ 133,394	\$ 395,621	\$ 793,973	\$ (398,352)
February 2015	\$ 579,616	\$ 43,714	\$ 623,330	\$ 1,255,324	\$ (631,994)
March 2015	\$ 1,678,766	\$ 346,288	\$ 2,025,054	\$ 891,029	\$ 1,134,025
April 2015	\$ 400,334	\$ 129,250	\$ 529,585	\$ 403,124	\$ 126,460
May 2015	\$ 1,175,002	\$ 797,689	\$ 1,972,691	\$ 1,059,951	\$ 912,740
June 2015	\$ 3,810,730	\$ 176,039	\$ 3,986,769	\$ 200,952	\$ 3,785,817
FY 2015 Totals	\$ 17,794,727	\$ 3,836,537	\$ 21,631,264	\$ 8,056,431	\$ 13,574,833

GRAND TOTALS	\$ 31,237,670	\$ 12,284,741	\$ 43,522,411	\$ 55,483,143	\$ (11,960,732)
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COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

1313 Sherman Street, Room 718
Denver, CO 80203

June 23, 2015

Mr. Tom Cech
Metropolitan State University of Denver
Campus Box 22, P.O. Box 173362
Denver, CO 80217

Dear Mr. Cech:

This refers to your application for funding from the Severance Tax Operational Fund (STOF) for the year commencing July 1, 2015. The Colorado Water Conservation Board (CWCB) has approved your application for funding in an amount up to \$25,000 to complete two of your projects, the "Watershed Summit in Denver" and "Release time for MSU Faculty to work with Englewood Public Schools STEM Project". Although funding was not available for your remaining projects at this time, we will keep you apprised in the event funding becomes available prior to June 2016. Work should be completed by June 15, 2016. Funds should be disbursed to you by June 30, 2016. Please contact Mr. Tim Feehan at Telephone No. (303) 866-3441 ext. 3211 to assist you through this process.

Should you have any questions or if I can be of any further assistance, please contact me at Telephone No. (303) 866-3441, ext. 3205.

Very truly yours,

S. S. Biondo
Finance Manager

cc: Mr. Tim Feehan, CWCB
CWCB Files





COLORADO

Colorado Water Conservation Board

Department of Natural Resources

1313 Sherman Street, Room 718
Denver, CO 80203

June 23, 2015

Ms. Patti Grafmyer, Town Administrator
Town of Norwood
1670 Naturita Street
Norwood, CO 81423

Dear Ms. Grafmyer:

This refers to your application for funding from the Severance Tax Operational Fund (STOF) for the year commencing July 1, 2015. The Colorado Water Conservation Board (CWCB) has approved your application for funding in an amount up to \$47,000 to complete your project for the "Norwood Feasibility Study." Work should be completed by June 15, 2016. Funds should be disbursed to you by June 30, 2016. Please contact Mr. Tim Feehan at Telephone No. (303) 866-3441 ext. 321 to assist you through this process.

Should you have any questions or if I can be of any further assistance, please contact me at Telephone No. (303) 866-3441, ext. 3205.

Very truly yours,

S. S. Biondo
Finance Manager

cc: Mr. Tim Feehan, CWCB
CWCB Files





COLORADO

Colorado Water Conservation Board

Department of Natural Resources

1313 Sherman Street, Room 718
Denver, CO 80203

June 23, 2015

Mr. Brian Demonkos
NRCS Snow Survey Office
Denver Federal Center
Building 56, Room 2604
P. O. Box 25426
Denver, CO 80225-0462

Dear Mr. Demonkos:

This refers to your application for funding from the Severance Tax Operational Fund (STOF) for the year commencing July 1, 2015. The Colorado Water Conservation Board (CWCB) has approved your application for funding in an amount up to \$73,000 to complete your project for the "Enhanced Snowpack Monitoring above Taylor Reservoir." Work should be completed by June 15, 2016. Funds should be disbursed to you by June 30, 2016. Please contact Mr. Joe Busto at Telephone No. (303) 866-3441 ext. 3209 to assist you through this process.

Should you have any questions or if I can be of any further assistance, please contact me at Telephone No. (303) 866-3441, ext. 3205.

Very truly yours,

S. S. Biondo
Finance Manager

cc: Mr. Joe Busto, CWCB
CWCB Files





COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

1313 Sherman Street, Room 718
Denver, CO 80203

June 23, 2015

Mr. Steven Malers
Open Water Foundation
320 East Vine Drive, Suite 315
Fort Collins, CO 80524

Dear Mr. Malers:

This refers to your application for funding from the Severance Tax Operational Fund (STOF) for the year commencing July 1, 2015. The Colorado Water Conservation Board (CWCB) did not approve your application for your projects, the "Enhance CDSS TSTool Software for CDSN and EPA Water Quality Data Web Services" nor the "South Platte Point Flow Modeling and Visualization Tools", due to limited funding available.

If you wish to pursue another project for the year commencing July 1, 2016, the applications will be due January 31, 2016.

Should you have any questions or if I can be of any further assistance, please contact me at Telephone No. (303) 866-3441, ext. 3205.

Very truly yours,

S. S. Biondo
Finance Manager

cc: CWCB Files





COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

1313 Sherman Street, Room 718
Denver, CO 80203

June 23, 2015

Mr. Peter Barkman, Supervisor, Hydrogeology
Colorado Geological Survey
Colorado School of Mines
1500 Illinois Street
Golden, CO 80401

Dear Mr. Barkman:

This refers to your application for funding from the Severance Tax Operational Fund (STOF) for the year commencing July 1, 2015. The Colorado Water Conservation Board (CWCB) has approved your application for funding in an amount up to \$50,000 to complete your project for the "County Groundwater Resources Series – Year 4". Work should be completed by June 15, 2016. Funds should be disbursed to you by June 30, 2016. Please contact Mr. Andy Moore at Telephone No. (303) 866-3441 ext. 3229 to assist you through this process.

Should you have any questions or if I can be of any further assistance, please contact me at Telephone No. (303) 866-3441, ext. 3205.

Very truly yours,

S. S. Biondo
Finance Manager

cc: Mr. Andy Moore, CWCB
CWCB Files





COLORADO

Colorado Water Conservation Board

Department of Natural Resources

1313 Sherman Street, Room 718
Denver, CO 80203

June 23, 2015

Mr. Christopher C. Landry, Executive Director
Center for Snow & Avalanche Studies
P. O. Box 190
Silverton, CO 81433

Dear Mr. Landry:

This refers to your application for funding from the Severance Tax Operational Fund (STOF) for the year commencing July 1, 2015. The Colorado Water Conservation Board (CWCB) has approved your application for funding in an amount up to \$25,000 to complete your project for the "Colorado Dust on Snow Program". Work should be completed by June 15, 2016. Funds should be disbursed to you by June 30, 2016. Please contact Mr. Joe Busto at Telephone No. (303) 866-3441 ext. 3209 to assist you through this process.

Should you have any questions or if I can be of any further assistance, please contact me at Telephone No. (303) 866-3441, ext. 3205.

Very truly yours,

S. S. Biondo
Finance Manager

cc: Mr. Joe Busto, CWCB
CWCB Files





COLORADO

Colorado Water Conservation Board

Department of Natural Resources

1313 Sherman Street, Room 718
Denver, CO 80203

June 23, 2015

Mr. Bill McCormick, Chief of Dam Safety
Department of Water Resources
810 9th Street, Suite 200
Greeley, CO 80631

Dear Mr. McCormick:

This refers to your application for funding from the Severance Tax Operational Fund (STOF) for the year commencing July 1, 2015. The Colorado Water Conservation Board (CWCB) has approved your application for funding in an amount up to \$50,000 to complete your project for the "Dam Safety Inundation Mapping Grant Program." Work should be completed by June 15, 2016. Funds should be disbursed to you by June 30, 2016. Please contact Mr. Jonathan Hernandez at Telephone No. (303) 866-3441 ext. 3234 to assist you through this process.

Should you have any questions or if I can be of any further assistance, please contact me at Telephone No. (303) 866-3441, ext. 3205.

Very truly yours,

S. S. Biondo
Finance Manager

cc: Mr. Jonathan Hernandez, CWCB
CWCB Files





COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

1313 Sherman Street, Room 718
Denver, CO 80203

June 23, 2015

Ms. Cindy Lair
Dept. of Agriculture- State Conservation Board
305 Interlocken Parkway
Broomfield, CO 80021

Dear Ms. Lair:

This refers to your application for funding from the Severance Tax Operational Fund (STOF) for the year commencing July 1, 2015. The Colorado Water Conservation Board (CWCB) has approved your application for funding in an amount up to \$25,000 to complete your project for the "Kiowa Creek Watershed Flood Control Dam Maintenance Program." Work should be completed by June 15, 2016. Funds should be disbursed to you by June 30, 2016. Please contact Mr. Kevin Houck at Telephone No. (303) 866-3441 ext. 3219 to assist you through this process.

Should you have any questions or if I can be of any further assistance, please contact me at Telephone No. (303) 866-3441, ext. 3205.

Very truly yours,

S. S. Biondo
Finance Manager

cc: Mr. Kevin Houck, CWCB
CWCB Files





COLORADO

Colorado Water Conservation Board

Department of Natural Resources

1313 Sherman Street, Room 718
Denver, CO 80203

June 23, 2015

Mr. Jay Winner, General Manager
Lower Arkansas Valley Water Conservancy District
801 Swink Avenue
Rocky Ford, CO 81067

Dear Mr. Winner:

This refers to your application for funding from the Severance Tax Operational Fund (STOF) for the year commencing July 1, 2015. The Colorado Water Conservation Board (CWCB) has approved your application for funding in an amount up to \$39,725 to complete your project for the "Fort Lyon Recharge Pond Demonstration Project." Work should be completed by June 15, 2016. Funds should be disbursed to you by June 30, 2016. Please contact Mr. Steve Miller at Telephone No. (303) 866-3441 ext. 3228 to assist you through this process.

Should you have any questions or if I can be of any further assistance, please contact me at Telephone No. (303) 866-3441, ext. 3205.

Very truly yours,

S. S. Biondo
Finance Manager

cc: Mr. Steve Miller, CWCB
CWCB Files





COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

1313 Sherman Street, Room 718
Denver, CO 80203

June 23, 2015

Mr. John Sauter, Secretary/Treasurer
Lost Creek Ground Water Management District
50005 East 120th Avenue
Bennett, CO 80102

Dear Mr. Sauter:

This refers to your application for funding from the Severance Tax Operational Fund (STOF) for the year commencing July 1, 2015. The Colorado Water Conservation Board (CWCB) did not approve your application for your project for the "Lost Creek Alluvial Monitoring and Management Study" due to limited funding available.

If you wish to pursue another project for the year commencing July 1, 2016, the applications will be due January 31, 2016.

Should you have any questions or if I can be of any further assistance, please contact me at Telephone No. (303) 866-3441, ext. 3205.

Very truly yours,

S. S. Biondo
Finance Manager

cc: CWCB Files





COLORADO

Colorado Water
Conservation Board

Department of Natural Resources

1313 Sherman Street, Room 718
Denver, CO 80203

June 23, 2015

Ms. Suzanne Paschke
Associate Director for Hydrologic Studies
U. S. Geological Survey
MS415 Federal Center Box 25046
Denver, CO 80225

Dear Ms. Paschke:

This refers to your application for funding from the Severance Tax Operational Fund (STOF) for the year commencing July 1, 2015. The Colorado Water Conservation Board (CWCB) did not approve your application for your project for the "Lost Creek Specific Yield Study," due to limited funding available.

If you wish to pursue another project for the year commencing July 1, 2016, the applications will be due January 31, 2016.

Should you have any questions or if I can be of any further assistance, please contact me at Telephone No. (303) 866-3441, ext. 3205.

Very truly yours,

S. S. Biondo
Finance Manager

cc: CWCB Files





COLORADO

Colorado Water Conservation Board

Department of Natural Resources

1313 Sherman Street, Room 718
Denver, CO 80203

June 23, 2015

Ms. Linda Chynoweth
Colorado Watershed Assembly
P. O. Box 211729
Denver, CO 80221

Dear Ms. Chynoweth:

This refers to your application for funding from the Severance Tax Operational Fund (STOF) for the year commencing July 1, 2015. The Colorado Water Conservation Board (CWCB) did not approve your application for your project for the "Colorado Data Sharing Network (CDSN)," due to limited funding available.

If you wish to pursue another project for the year commencing July 1, 2016, the applications will be due January 31, 2016.

Should you have any questions or if I can be of any further assistance, please contact me at Telephone No. (303) 866-3441, ext. 3205.

Very truly yours,

S. S. Biondo
Finance Manager

cc: CWCB Files

