



COLORADO WATER CONSERVATION BOARD

DIRECTOR'S REPORT

May 2015

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



COLORADO

**Colorado Water
Conservation Board**

Department of Natural Resources

TO: Colorado Water Conservation Board Members

FROM: James Eklund
Meg Dickey-Griffith

DATE: May 20-21, 2015

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

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~INTERSTATE AND FEDERAL~

U.S.-MEXICO, MINUTE 319 IMPLEMENTATION—The United States, Mexico, and the Colorado River basin states are holding a workshop on May 14, 2015 in San Diego, CA, to discuss the successes and challenges associated with Minute 319, and what the process might be for possible subsequent agreements. *(Ted Kowalski)*

GLEN CANYON DAM ADAPTIVE MANAGEMENT WORK GROUP (“AMWG”) AND TECHNICAL WORK GROUP (TWG) MEETINGS—The Glen Canyon Dam Technical Work Group (TWG) occurred on April 20-21, 2015, in Phoenix, Arizona. The Bureau of Reclamation (BOR) and the National Park Service (NPS) are still conducting modeling to evaluate each of the alternatives for Glen Canyon Dam operations under this EIS process. The latest schedule is still to have a public draft EIS out by the end of the summer of 2015. The next AMWG meeting will occur by webinar on May 28, 2015. *(Ted Kowalski)*

DROUGHT CONTINGENCY PLANNING ADVANCING—The Upper Colorado River Division States are continuing to develop the various components associated with Drought Contingency Planning, and the Upper Division States will be discussing the Drought Contingency Plan at the upcoming work meetings in May and June of 2015. *(Ted Kowalski)*

SYSTEM CONSERVATION AGREEMENT (SCA)—Colorado, and the other UCRC members are negotiating an facilitation agreement between 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)). The CWCB is also working with the funding partners, the Colorado Attorney General’s Office, and other stakeholders to develop a Request For Proposals (RFP), as well as a number of other implementation agreements and documents that will be necessary to implement the SCA. The Staff will provide an update to the Board at the May Board meeting. *(Ted Kowalski)*

UPPER COLORADO RIVER COMMISSION (UCRC) SUMMER MEETING TO OCCUR IN DURANGO, COLORADO—The UCRC Summer meeting is scheduled to occur on June 17-18, 2015 in Durango, Colorado. The agenda will include updates on a variety of topics, including: drought contingency planning; LTEMP; Mexico negotiations; and implementation of the System Conservation Agreement. *(Ted Kowalski)*

COLORADO RIVER BASIN STUDY MOVING FORWARD REPORT ISSUED—The follow up report to the Colorado River Basin Study is finally scheduled to be released on Tuesday May 12, 2015. Staff anticipates speaking with the Board about the Study’s recommendations at a future Board meeting. *(Ted Kowalski)*

NEW REGIONAL DIRECTOR NAMED FOR THE UPPER COLORADO REGION OF THE BUREAU OF RECLAMATION—On March 26, 2015, the Bureau of Reclamation named Brent Rhees as the Regional Director for the Upper Colorado Region, in Salt Lake City, Utah. Brent served as the Deputy Regional Director for the Upper Colorado Region for many years, and we look forward to continuing to work with him for years to come. *(Ted Kowalski)*

~STATEWIDE~

GROUND WATER COMMISSION MEETING—The Ground Water Commission (GWC) did not hold a meeting since the last CWCB meeting. The Ground Water Commission will hold its next regular meeting on May 15, 2015 in Castle Rock, CO. For more information visit:

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

GOVERNOR'S WATER AVAILABILITY TASK FORCE—The next Water Availability Task Force meeting will be held on May 13, 2015 from 1:00-3:30pm at the Colorado Parks & Wildlife Headquarters, 6060 Broadway, Denver, CO in the Red Fox 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*)

COLORADO CLIMATE PLAN—A draft of the Colorado Climate Plan has been provided for stakeholder engagement from May 1-15th. Stakeholder comments will be incorporated into the plan prior to the final delivery to the Governor in Mid-June. 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, and the Office of Economic Development and International Trade. (*Taryn Finnessey*)

~COLORADO RIVER BASIN~

COLORADO RIVER WATER USE—As of April 6, 2015, the Lake Mead water level was at 1084 feet with 10.35 million acre-feet (MAF) of storage, or 40% of capacity, while the Lake Powell water level was at 3591 feet with 10.91 MAF of storage, or 45% of capacity. Total system active storage as of April 5 was 28.76 MAF, or 48% of capacity, which is 683,000 AF more than one year ago. As of April 2, 2015, the unregulated inflow into Lake Powell for Water Year 2015 is forecast to be 7.182 MAF, or 66% of average. For the Upper Colorado River Basin, precipitation as of April 2, 2015 is reported at 74% of average, and snowpack is at 61% of average.

2015 Water Use Forecast—As of April 6, the 2015 Reclamation forecast for the Lower Basin states' consumptive use of Colorado River water is 7.425 MAF, which includes Arizona at 2.8 MAF, California at 4.345 MAF, and Nevada at 0.280 MAF. The forecast for 2015 for California's agricultural consumptive use of Colorado River water is 3.394 MAF. The Metropolitan Water District of Southern California's forecast for 2015 use is 0.812 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 March 17-18, 2015 in Kearney, NE. Agenda items included regular committee meeting updates and an update of the J2 Reservoir Project. GC members discussed annual indexing calculations, the Whooping Crane Tracking

Project Partnership, and the tern/plover resource allocation. The following presentations were given during the GC Meeting: water auctions in Nebraska, the weather modification project in Wyoming and the Platte Basin Time-lapse Project. The GC approved the following items: the 2015-2018 PRRIP tern and plover monitoring contract, a sole source contract for 2015 PRRIP LiDAR/aerial imagery acquisition, a sole source contract for the hydroclimatic indices project, the final tern and plover habitat synthesis chapters and peer review results, and a scope of work and peer review panel for the wet meadows hydrology monitoring project. CWCB staff also participated in Finance Committee (FC) and Land Advisory Committee (LAC) meetings. The next regular GC meeting will be held on June 9-10, 2015 in Cheyenne WY. For more information, please visit:

<http://www.platteriverprogram.org/Pages/default.aspx>. (Suzanne Sellers)

SOUTH PLATTE DOWNSTREAM CHANNEL UPDATE—As the non-federal sponsor of a flood control project built by the Corps of Engineers, Staff manages four miles of river corridor, river features, and easements on the South Platte River immediately downstream of Chatfield Reservoir to the confluence with Bear Creek (Project). The Project reach is annually inspected by the Flood Readiness Branch of the Corps of Engineers, Omaha District.

At the November 2013 board meeting, a coalition of local governments from Arapahoe County, Littleton, Englewood, Sheridan, and the Urban Drainage and Flood Control District supported CWCB staff in a recommendation to explore future efforts in the reach that may



not exactly comply with the Project's Operations and Maintenance Manual to balance flood control, environmental, and recreational objectives. This staff recommendation was board approved. Discussions with the Corps of Engineers and other stakeholders have subsequently taken place.

More recently, a submittal to the Corps of Engineers for a proposed "River Run Park", which includes a trailhead, repair and improvement of boat chutes, a recreation trail, and limited vegetation, was submitted to the Corps of Engineers and then denied as not being consistent with provisions in the O&M Manual. Modeling of the proposed post-project design allows the maximum release from Chatfield to stay in the channel, meaning there are no adverse affects to floodplain inundations due to the proposed project. Staff continues to work with local, state, and federal interests regarding possible solutions for this situation. The graphic above is computer generated imagery of what River Run Park might look like, which is patterned after Confluence Park (an existing popular recreation spot at the confluence of Cherry Creek and the South Platte River in Denver).

The Federal program (known as PL 84-99) that governs the Project has a narrowly authorized purpose, which is to only control flooding. Staff will continue to work with local, state, and federal interests on solutions to integrate recreation, habitat, and access while absolutely maintaining flood control benefits. Two possible options are being explored by the stakeholder group. The first one is to

potentially move the project to a different Corps of Engineers authority. The second option is to seek a State-requested de-authorization of the Project and remove it from the PL 84-99 program, which requires congressional approval. Staff will seek board input prior to finalizing any actions on this topic. Regardless of the outcome, the CWCB and the Urban Drainage and Flood Control District have a long history of managing the channel under existing state and local flood programs. In the event of a major disaster causing damage to the Project itself, or nearby floodplain areas, the most likely source of significant recovery dollars would come from FEMA disaster funds anyway. (Tom Browning, Kevin Houck, Joe Busto).

~ WATER CONSERVATION AND DROUGHT PLANNING UPDATES ~

CWCB WATER EFFICIENCY GRANT FUND PROGRAM (WEGP) UPDATE—

Two grant applications were received since the November 2014 Director's Report

- **City of Rifle** - Water Conservation Plan Update
- **City of Ouray** -Water Measurement Implementation Project

(No grants have been approved since the March 2015 Board meeting)

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

- **City of Lafayette** - Pre-Rinse Spray Nozzle Replacement Program - *Final Report*
- **Cherokee Metro District** - Water Conservation Plan Update - *75% Progress Report*
- **City of Brighton** -WaterSmart Software Pilot Program - *75% Progress Report*
- **Mount Crested Butte Water & Sanitation District/Skyland Metropolitan District** - Water Conservation Plans - *75% Progress Report*
(Ben Wade)

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

DROUGHT MANAGEMENT PLANS

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. (Taryn Finnessey & Ben Wade)

WATER EFFICIENCY PLANS

Approved Plans

- **Town of Erie**

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.

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

Water Efficiency Plans in review

- Colorado Springs Utilities (Kevin Reidy & Ben Wade)

DROUGHT UPDATE—As of April 26th, 58% percent of the state is experiencing some level of drought. The majority of that is located in the southern and western portions of the state with 36% classified as severe. Snowpack was below average for much of the winter and peaked nearly a month earlier than normal, March was dry and warm, as was the start of April. However, spring storms in late April have brought beneficial moisture and relief to some parts of the state, additional moisture is still needed to further alleviate conditions. Reservoir storage remains above normal helping to ease water providers concern. The long term forecast calls for continued wet conditions through July. The Colorado Drought Response Plan remains activated and meetings of the drought task force and agricultural task force have resumed. (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. The background research report was completed in March and compiled various case studies on density and water conservation policies and tools from across the United States. The findings and identified strategies of the report will be presented to the larger working group in May. 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)

COAPA ANNUAL CONFERENCE—Kevin Reidy has been asked to participate in a panel presentation at the Colorado chapter of the American Planning Association's (COAPA) Annual Conference in Steamboat in late September-early October 2015. The submission was accepted for the work that Kevin is completing on the Water and Growth Dialogue for Integration of Land Use and Water Efficiency in Colorado. (Kevin Reidy)

AWWA CONSERVATION DIVISION—Kevin Reidy has been asked to serve as a Trustee for the National American Water Works Association Water Conservation Division. This is a three year term and includes work on various committees helping to determine the direction of conservation activities for the AWWA. (Kevin Reidy)

NATIONAL ADAPTATION FORUM—The National Adaptation Forum gathers the adaptation community to foster knowledge exchange, innovation and mutual support for climate change adaptation.

Colorado is at a pivotal moment where we see risk and vulnerability to the impacts of climate change entering into the discourse of decision makers at various levels of policy and natural resource management. However the field of climate change adaptation is still in its infancy and too many are reinventing instead of innovating. Attendance at this event affords staff the opportunity to learn more about how to incorporate climate adaption into state planning efforts, share Colorado's lessons with others, and develop a stronger network of innovative professional to help address climate adaptation efforts going forward. Staff will both attend and participate on a panel at the Forum. *(Taryn Finnessey)*

CWCB PARTICIPATES IN ANNUAL REGIONAL WATER FESTIVALS—The CWCB is scheduled to participate in seven Children's Water Festivals throughout the State of Colorado. These regional water festivals will be attended by thousands of 4th, 5th and 6th graders. CWCB staff has put together a presentation focused on securing Colorado's water future, discussing the water challenges the state faces, what is currently being done and how a balanced approach will help our state are we head into the future. The students will also learn ways they can use water more efficiently at home and will receive washable water droplet tattoos and removable window stickers. Festival dates and locations are as follows:

- April 29 - Greeley, Island Grove Regional Park
- May 12 - Northglenn/Thornton/Westminster, Front Range Community College
- May 13 - Boulder, University of Colorado
- May 14 - Aurora, Community College of Aurora
- May 18-19 - Grand Junction, Colorado Mesa University
- May 19 - Denver, Metro State University of Denver
- May 20 - Fort Collins, Front Range Community College *(Ben Wade)*

~WATERSHED AND FLOOD UPDATES~

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 Pilot Program. CWCB and DOLA staff visited project sites and met to review applications for CDBG-DR funding for project implementation submitted by eligible applicants. Applications were due on March 16th. The project implementation round of the program is intended to fund small-scale demonstration projects that can be completed within approximately 18 months of the award. Applications were submitted by the Big Thompson River Restoration Coalition, Coal Creek Canyon Watershed Partnership, Estes Valley Watershed Coalition, Boulder County, Fourmile Watershed Coalition, Lefthand Watershed Oversight Group, James Creek Watershed Initiative, Little Thompson Watershed Restoration Coalition, Town of Firestone, City of Longmont, Town of Lyons, St. Vrain Creek Coalition and Fountain Creek Watershed, Flood Control and Greenway District. To allow sufficient project concept development, the second round of CDBG-DR Watershed Resiliency Program project implementation grant applications will be tentatively due in November 2015. *(Jamie Prochno)*

FLOOD THREAT BULLETIN UPDATE—The daily Flood Threat Bulletin prepared by a consultant under contract to the CWCB will began its tenth year of daily flood forecasting for the State of Colorado on May 1st. For the fourth consecutive year, Dewberry will provide services as a consultant.

Dewberry and CWCB staff will provide daily flood threat outlooks that will be accessible online for interested users. Following upon a successful format from last year, county-specific forecasts have been replaced with more watershed-specific forecasts. The appearance of the portal has been updated to a more modern look with some additional features set to become available after the program has begun. These features include brief summaries of specific storm events and a more user-friendly portal for use in analyzing different future periods for longer range outlooks for both quantified rainfall forecasts as well as flood threats. In addition, it is planned to begin working with social media, such as Facebook and Twitter, to push this information out following similar successful programs from other parts of the agency.

Dewberry will provide daily outlooks regarding the flood threat around the state due to either snowmelt or rainfall. In addition, a GIS summary of precipitation from the previous report is available to view which areas of the state received the most precipitation (useful for both water managers and floodplain managers). Twice weekly, on Mondays and Thursdays, a medium-range outlook will be issued summarizing the anticipated flood threat for the following two weeks. The information can be easily accessed at www.coloradofloodthreat.com and it will be linked through the CWCB's home page. The flood threat bulletin is offered from May 1st through September 30th. *(Kevin Houck)*

COLORADO HEALTHY RIVERS FUND—Eighteen applications for grant funding were submitted by the April 30th deadline. The Colorado Healthy Rivers (CHRF) Grant Program accepts applications for both project planning and project implementation. The funding thresholds are \$25,000 for planning and \$50,000 for implementation. The maximum funding amount is rarely awarded as the program is underfunded based on requests. Six applications were submitted for planning, and twelve were submitted for implementation. The total funding request was \$536,525. Staff anticipates total award amount around \$90,000, which closely aligns with the average annual tax checkoff donations for CHRF. CHRF has become one of the most competitive grant programs administrated by the CWCB. Applications were submitted from the Arkansas, Gunnison, Southwest, and South Platte river basins. Staff will review the applications with the Water Quality Control Division and the Colorado Watershed Assembly. Two designees from the Water Quality Control Commission and two designees from the CWCB will make the final funding approval. This typically takes place in September. The CWCB designees are April Montgomery and James Eklund. *(Chris Sturm)*

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. Work is anticipated to begin in July 2015.

FY14 Activities: Field work will begin in late May for an erosion study that will be conducted near the Town of Collbran in Mesa County. The Upper White (Rio Blanco County) Risk Map study is underway and on schedule. 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 June 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 awaiting approval of the preliminary maps. Draft preliminary maps have been completed and are in review with FEMA. Logan County DFIRM is now in the appeal period.

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 is now in the appeal period.

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)*

~AGENCY UPDATES~

EMILY LODOLCE—Emily LoDolce joined CWCB on April 27 in the Interstate and Federal Section to work on DSS. Emily comes to us from Amec Foster Wheeler with a background in water resources engineering, groundwater modeling and water rights. She will be working on updates and enhancements to DSS as well as supporting ongoing groundwater issues. Welcome aboard! *(Ted Kowalski)*

HB13-1293 ANNUAL UPDATE—Staff provided both a written and oral presentation to the legislature in accordance with HB13-1293. The presentation captured all Colorado agency efforts on climate mitigation and adaptation as well as a briefing to the legislature on the forth coming Colorado Climate Plan. *(Taryn Finnessey)*

CWCB WATER PROJECTS BILL—The CWCB Water Projects Bill (SB 15-253) received its final reading on May 4, 2015 and is expected to be signed by the Governor. A copy of the Bill and the CWCB's Summary are included in this report (Attachment #1 and Attachment #2). The Bill includes \$6.28 million for watershed protection, flood control programs, satellite monitoring of stream gauge systems, and several other programs and projects. *(Kirk Russell)*

~GENERAL ATTACHMENTS~

- 01 Water Projects Bill (SB 15-253)
- 02 Water Projects Bill (SB 15-253) CWCB Summary
- 03 Stream and Lake Protection De Minimis Cases
- 04 Instream Flow and Natural Lake Level Program - Summary of Resolved Opposition Cases

~LOAN PROGRAM ATTACHMENTS~

- 01 Water Project Loan Program Interest Rates
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First Regular Session
Seventieth General Assembly
STATE OF COLORADO

Attachment 1

INTRODUCED

LLS NO. 15-0867.01 Jennifer Berman x3286

SENATE BILL 15-253

SENATE SPONSORSHIP

Sonnenberg,

HOUSE SPONSORSHIP

Vigil,

Senate Committees

Agriculture, Natural Resources, & Energy

House Committees

A BILL FOR AN ACT

101 CONCERNING THE FUNDING OF COLORADO WATER CONSERVATION
102 BOARD PROJECTS, AND, IN CONNECTION THEREWITH, MAKING
103 AN APPROPRIATION.

Bill Summary

(Note: This summary applies to this bill as introduced and does not reflect any amendments that may be subsequently adopted. If this bill passes third reading in the house of introduction, a bill summary that applies to the reengrossed version of this bill will be available at <http://www.leg.state.co.us/billsummaries>.)

The bill appropriates the following amounts from the Colorado water conservation board (CWCB) construction fund for the following projects:

! \$330,000 for continuation of the satellite monitoring system maintenance (**section 1** of the bill);

Shading denotes HOUSE amendment. Double underlining denotes SENATE amendment.

Capital letters indicate new material to be added to existing statute.

Dashes through the words indicate deletions from existing statute.

- ! \$500,000 for continuation of the Colorado floodplain map modernization program (**section 2**);
- ! \$1,500,000 for continuation of the watershed restoration program (**section 3**);
- ! \$1,000,000 for the operation and maintenance of the Arkansas river decision support system (**section 6**);
- ! \$500,000 for technical assistance for the USDA regional conservation partnership program (**section 7**);
- ! \$100,000 for water conservation planning and data tracking tools (**section 8**);
- ! \$150,000 for support of the Colorado Mesonet project (**section 9**);
- ! \$1,200,000 for participation in the development of modern tools and methods for determining large rain events for regulating and designing dam spillways (**section 10**);
- ! \$175,000 for continuation of the weather modification program (**section 11**); and
- ! \$125,000 for South Platte river basin groundwater level data collection, analysis, and remediation (**section 12**).

The bill also directs the state treasurer to transfer moneys on July 1, 2015, from the CWCB construction fund to restore the unencumbered balance in the following funds to the following amounts:

- ! \$500,000 for the flood and drought response fund (**section 4**); and
- ! \$200,000 for the litigation fund (**section 5**).

Additionally, **section 13** transfers the following amounts from the severance tax operational fund to the CWCB construction fund for the following purposes:

- ! \$1,000,000 for the CWCB to continue the watershed restoration program as specified in section 3; and
- ! \$1,200,000 for the CWCB to participate in the development of modern tools and methods for determining large rain events for regulating and designing dam spillways as specified in section 10.

Section 14 transfers \$500,000 from the severance tax perpetual base fund to the CWCB construction fund for the CWCB to continue the watershed restoration program as specified in section 3;

Section 15 extends the stream restoration grant account in the flood and drought response fund to remain effective until July 1, 2017; and

Finally, **section 16** accounts for variation in the amount of money loaned for the Chatfield reallocation project in 2014 by acknowledging ordinary fluctuations in cost based on distribution of project ownership.

1 *Be it enacted by the General Assembly of the State of Colorado:*

2 **SECTION 1. Continuation of the satellite monitoring system**

3 **maintenance - appropriation.** (1) For the 2015-16 state fiscal year,
4 \$330,000 is appropriated to the department of natural resources for use
5 by the division of water resources. This appropriation is from the
6 Colorado water conservation board construction fund created in section
7 37-60-121, C.R.S. To implement this act, the department of natural
8 resources may use this appropriation for: Renovation of existing gauging
9 stations; replacement of outdated collection platforms; upgrading
10 transmission components of the satellite monitoring system, established
11 and operated pursuant to section 37-80-102 (10), C.R.S.; stream gauge
12 flood hardening projects; and data collection efforts related to flood
13 forecasting and warning.

14 (2) The money appropriated in subsection (1) of this section
15 remains available for the designated purposes until the money is fully
16 expended.

17 **SECTION 2. Continuation of the Colorado floodplain map**

18 **modernization program - appropriation.** (1) For the 2015-16 state
19 fiscal year, \$500,000 is appropriated to the department of natural
20 resources for use by the Colorado water conservation board. This
21 appropriation is from the Colorado water conservation board construction
22 fund created in section 37-60-121, C.R.S. To implement this act, the
23 department of natural resources may use this appropriation to continue
24 assisting with the preparation of revised and improved floodplain studies
25 and maps for communities throughout Colorado and to participate in
26 federally sponsored floodplain map modernization activities.

27 (2) The money appropriated in subsection (1) of this section

1 remains available for the designated purposes until the money is fully
2 expended.

3 **SECTION 3. Continuation of the watershed restoration**
4 **program - appropriation.** (1) For the 2015-16 state fiscal year,
5 \$1,500,000 is appropriated to the department of natural resources for use
6 by the Colorado water conservation board. This appropriation is from the
7 Colorado water conservation board construction fund created in section
8 37-60-121, C.R.S. To implement this act, the department of natural
9 resources may use this appropriation to provide planning and engineering
10 studies, including implementation measures, to address: Technical needs
11 for watershed restoration and flood mitigation projects throughout the
12 state; aquatic habitat protection; flexible operations for multiple uses;
13 restoration work; quantification of environmental flow needs; and
14 monitoring efforts to support watershed health goals outlined in the
15 Colorado water plan.

16 (2) The money appropriated in subsection (1) of this section
17 remains available for the designated purposes until June 30, 2019, at
18 which time any unused money will revert to the severance tax operational
19 fund created in section 39-29-109 (2) (b), C.R.S.

20 **SECTION 4. Restoration of the balance of the flood and**
21 **drought response fund - transfer.** On July 1, 2015, the state treasurer
22 shall transfer \$500,000, or so much thereof as may be necessary, from the
23 unreserved cash in the Colorado water conservation board construction
24 fund created in section 37-60-121, C.R.S., to restore the unencumbered
25 balance in the flood and drought response fund, created in section
26 37-60-123.2, C.R.S., for use by the Colorado water conservation board to
27 provide documentation, forecasting, mapping, aerial photography,

1 mitigation, and other efforts that the Colorado water conservation board
2 deems necessary to quickly respond to flood and drought events.

3 **SECTION 5. Restoration of litigation fund cash balance -**
4 **transfer.** On July 1, 2015, the state treasurer shall transfer \$200,000 from
5 the unreserved cash in the Colorado water conservation board
6 construction fund created in section 37-60-121, C.R.S., to the litigation
7 fund created in section 37-60-121 (2.5), C.R.S., to continue litigation
8 support for the Colorado water conservation board.

9 **SECTION 6. Arkansas river decision support system -**
10 **appropriation.** (1) For the 2015-16 state fiscal year, \$1,000,000 is
11 appropriated to the department of natural resources for use by the
12 Colorado water conservation board. This appropriation is from the
13 Colorado water conservation board construction fund created in section
14 37-60-121, C.R.S. To implement this act, the department of natural
15 resources may use this appropriation to continue implementation of the
16 Arkansas river decision support system (ArkDSS), as identified in the
17 ArkDSS feasibility study completed in December 2011.

18 (2) The money appropriated in subsection (1) of this section
19 remains available for the designated purposes until the ArkDSS is
20 completed.

21 **SECTION 7. Technical assistance for USDA regional**
22 **conservation partnership program - appropriation.** (1) For the
23 2015-16 state fiscal year, \$500,000 is appropriated to the department of
24 natural resources for use by the Colorado water conservation board. This
25 appropriation is from the Colorado water conservation board construction
26 fund created in section 37-60-121, C.R.S. To implement this act, the
27 department of natural resources may use this appropriation for the

1 provision of technical assistance to applicants and participants in the
2 regional conservation partnership program.

3 (2) The money appropriated in subsection (1) of this section
4 remains available for the designated purposes until the money is fully
5 expended.

6 **SECTION 8. Water conservation planning and data tracking**
7 **tools - appropriation.** (1) For the 2015-16 state fiscal year, \$100,000 is
8 appropriated to the department of natural resources for use by the
9 Colorado water conservation board. This appropriation is from the
10 Colorado water conservation board construction fund created in section
11 37-60-121, C.R.S. To implement this act, the department of natural
12 resources may use this appropriation to implement technical activities
13 related to water conservation planning and data tracking.

14 (2) The money appropriated in subsection (1) of this section
15 remains available for the designated purposes until the water conservation
16 planning and data tracking project is completed.

17 **SECTION 9. Colorado Mesonet - appropriation.** (1) For the
18 2015-16 state fiscal year, \$150,000 is appropriated to the department of
19 natural resources for use by the Colorado water conservation board. This
20 appropriation is from the Colorado water conservation board construction
21 fund created in section 37-60-121, C.R.S. To implement this act, the
22 department of natural resources may use this appropriation to support the
23 Colorado Mesonet project, which will be completed by the Colorado
24 climate center at Colorado state university.

25 (2) The money appropriated in subsection (1) of this section
26 remains available for the designated purposes until the Colorado Mesonet
27 project is completed.

1 **SECTION 10. Modern methods to determine probable**
2 **maximum precipitation (PMP) for rainfall spillway sizing project -**
3 **appropriation.** (1) For the 2015-16 state fiscal year, \$1,200,000 is
4 appropriated to the department of natural resources for use by the
5 Colorado water conservation board. This appropriation is from the
6 Colorado water conservation board construction fund created in section
7 37-60-121, C.R.S. To implement this act, the department of natural
8 resources may use this appropriation to participate in the development of
9 modern tools and methods for determining large rain events for regulating
10 and designing dam spillways in the state.

11 (2) The money appropriated in subsection (1) of this section
12 remains available for the designated purposes until June 30, 2019, at
13 which time any unused money will revert to the severance tax operational
14 fund created in section 39-29-109 (2) (b), C.R.S.

15 **SECTION 11. Continuation of the weather modification**
16 **program - appropriation.** (1) For the 2015-16 state fiscal year,
17 \$175,000 is appropriated to the department of natural resources for use
18 by the Colorado water conservation board. This appropriation is from the
19 Colorado water conservation board construction fund created in section
20 37-60-121, C.R.S. To implement this act, the department of natural
21 resources may use this appropriation to continue assisting water
22 conservation districts, water conservancy districts, and other water
23 providers and their fiscal agents with the development of cloud seeding
24 programs that provide benefits to recreation, streams, and reservoirs
25 through snowpack enhancement.

26 (2) The money appropriated in subsection (1) of this section
27 remains available for the designated purposes until the money is fully

1 expended.

2 **SECTION 12. South Platte river basin groundwater level data**
3 **collection, analysis, and remediation - appropriation.** For the 2015-16
4 state fiscal year, \$125,000 is appropriated to the department of natural
5 resources for use by the Colorado water conservation board. This
6 appropriation is from the Colorado water conservation board construction
7 fund created in section 37-60-121, C.R.S. In response to damaging high
8 groundwater levels in areas of the South Platte river basin and in
9 consultation with the South Platte basin roundtable's groundwater
10 committee, the department of natural resources may use this appropriation
11 to: Construct, maintain, and monitor dewatering infrastructure; cover
12 dewatering well pumping costs; continue to evaluate both the cause of the
13 high groundwater levels and exigent remediation efforts implemented in
14 response to the high groundwater levels; collect and analyze groundwater
15 data; install instrumentation and monitoring devices; and perform
16 groundwater modeling.

17 **SECTION 13.** In Colorado Revised Statutes, 29-39-109.3, **add**
18 (2) (o) and (2) (p) as follows:

19 **39-29-109.3. Severance tax operational fund - repeal.**
20 (2) Subject to the requirements of subsections (3) and (4) of this section,
21 if the general assembly chooses not to spend up to one hundred percent
22 of the moneys in the operational fund as specified in subsection (1) of this
23 section, the state treasurer shall transfer the following:

24 (o) FOR THE STATE FISCAL YEAR COMMENCING JULY 1, 2015, ONE
25 MILLION DOLLARS TO THE COLORADO WATER CONSERVATION BOARD
26 CONSTRUCTION FUND, CREATED IN SECTION 37-60-121 (1) (a), C.R.S., FOR
27 THE COLORADO WATER CONSERVATION BOARD TO CONTINUE TO PROVIDE

1 PLANNING AND ENGINEERING STUDIES, INCLUDING IMPLEMENTATION
 2 MEASURES, TO ADDRESS: TECHNICAL NEEDS FOR WATERSHED
 3 RESTORATION AND FLOOD MITIGATION PROJECTS THROUGHOUT THE
 4 STATE; AQUATIC HABITAT PROTECTION; FLEXIBLE OPERATIONS FOR
 5 MULTIPLE USES; RESTORATION WORK; QUANTIFICATION OF
 6 ENVIRONMENTAL FLOW NEEDS; AND MONITORING EFFORTS TO SUPPORT
 7 WATERSHED HEALTH GOALS OUTLINED IN THE COLORADO WATER PLAN.
 8 THE MONEY REMAINS AVAILABLE FOR THE DESIGNATED PURPOSES UNTIL
 9 JUNE 30, 2019, AT WHICH TIME ANY UNUSED MONEY WILL REVERT TO THE
 10 OPERATIONAL FUND.

11 (p) FOR THE STATE FISCAL YEAR COMMENCING JULY 1, 2015, ONE
 12 MILLION TWO HUNDRED THOUSAND DOLLARS TO THE COLORADO WATER
 13 CONSERVATION BOARD CONSTRUCTION FUND, CREATED IN SECTION
 14 37-60-121 (1) (a), C.R.S., FOR THE COLORADO WATER CONSERVATION
 15 BOARD TO PARTICIPATE IN THE DEVELOPMENT OF MODERN TOOLS AND
 16 METHODS FOR DETERMINING LARGE RAIN EVENTS FOR REGULATING AND
 17 DESIGNING DAM SPILLWAYS IN THE STATE. THE MONEY REMAINS
 18 AVAILABLE FOR THE DESIGNATED PURPOSES UNTIL JUNE 30, 2019, AT
 19 WHICH TIME ANY UNUSED MONEY WILL REVERT TO THE OPERATIONAL
 20 FUND.

21 **SECTION 14.** In Colorado Revised Statutes, 39-29-109, **add** (2)
 22 (a) (XIV) as follows:

23 **39-29-109. Severance tax trust fund - created - administration**
 24 **- distribution of moneys - repeal.** (2) State severance tax receipts shall
 25 be credited to the severance tax trust fund as provided in section
 26 39-29-108. Except as otherwise set forth in section 39-29-109.5, all
 27 income derived from the deposit and investment of the moneys in the

1 fund shall be credited to the fund. At the end of any fiscal year, all
 2 unexpended and unencumbered moneys in the fund remain therein and
 3 shall not be credited or transferred to the general fund or any other fund.
 4 All moneys in the fund are subject to appropriation by the general
 5 assembly for the following purposes:

6 (a) **The severance tax perpetual base fund.**

7 (XIV) NOTWITHSTANDING ANY PROVISION OF THIS PARAGRAPH (a) TO
 8 THE CONTRARY, ON JULY 1, 2015, THE STATE TREASURER SHALL TRANSFER
 9 FIVE HUNDRED THOUSAND DOLLARS FROM THE FUND TO THE COLORADO
 10 WATER CONSERVATION BOARD CONSTRUCTION FUND, CREATED IN SECTION
 11 37-60-121 (1) (a), C.R.S., FOR USE BY THE COLORADO WATER
 12 CONSERVATION BOARD, CREATED IN SECTION 37-60-102, C.R.S., TO
 13 CONTINUE THE WATERSHED RESTORATION PROGRAM.

14 **SECTION 15.** In Colorado Revised Statutes, 37-60-123.2,
 15 **amend** (2) (e) as follows:

16 **37-60-123.2. Flood and drought response fund - stream**
 17 **restoration grant account - created - repeal.** (2) (e) This subsection (2)
 18 is repealed, effective July 1, ~~2015~~ 2017.

19 **SECTION 16.** In Session Laws of Colorado 2014, **amend**
 20 subsection (2) of section 14 of chapter 356 as follows:

21 **SECTION 14. Chatfield reallocation project loan**
 22 **authorization.** (2) The Colorado water conservation board may make
 23 loans for the construction of the projects specified in subsection (1) of
 24 this section from such moneys as are or may become available to the
 25 severance tax perpetual base fund or the Colorado water conservation
 26 board construction fund. The loans ~~must~~ MAY be in the amounts listed in
 27 subsection (1) of this section plus or minus such amounts, if any, as may

1 be justified by reason of ordinary fluctuations in construction costs OR
2 DISTRIBUTION OF OWNERSHIP as indicated by the engineering cost indices
3 applicable to the types of construction required for each project or as may
4 be justified by reason of change in the plans for a project due to differing
5 or unforeseen site conditions, errors or omissions in the plans and
6 specifications, changes instituted by regulatory agencies, or changes in
7 material quantities beyond contract limits.

8 **SECTION 17. Safety clause.** The general assembly hereby finds,
9 determines, and declares that this act is necessary for the immediate
10 preservation of the public peace, health, and safety.

COLORADO WATER CONSERVATION BOARD

Department of Natural Resources

John W. Hickenlooper, Governor
Mike King, DNR Executive Director
James Eklund, CWCB Director

SENATE BILL 15-253

THE 2015 WATER PROJECTS BILL

Background

The General Assembly annually authorizes water project grants and loans from the Construction Fund and the Severance Tax Perpetual Base Fund. The Funds provide low-interest loans to municipalities, water districts, and agricultural water users throughout Colorado for a wide variety of water supply infrastructure projects. The loans are used to finance engineering and construction costs for more than 500 locally sponsored water projects

The CWCB has delivered a Draft of the Colorado Water Plan to the Governor as required in the Governor's Executive Order D2013-005. The Plan describes an approximate \$20 billion in need to address the diverse consumptive and non-consumptive long term needs of the State.

The **Construction Fund** was created in 1971 to provide low-interest loans for water projects and provide monies for non-reimbursable investments. The Fund is a revolving loan fund that allows the CWCB to be self-supporting and operate without money from the General Fund. Revenues come from interest earned on outstanding loans and on the fund's cash balance in the state treasury, and royalty distributions from federal mineral leases.

The **Severance Tax Perpetual Base Fund** was established by the General Assembly in 1997. The Account is administered by the CWCB and is funded primarily with severance taxes paid by the producers of gas, oil, coal and other minerals. Repayment of principal and interest on loans and investment income also contribute to the Account's balance.

Loan interest rates vary. As of February 2015 the rates are:

- 1.75% for agricultural loans
- 2.40% to 3.15% for municipal loans
- 6.0% for commercial loans.
- 2.0% for Hydroelectric projects

These rates are adjusted bi-monthly by the CWCB.



COLORADO
Colorado Water
Conservation Board
Department of Natural Resources

2015 Water Projects Bill Highlights

Provides \$6.28 million for watershed protection, flood control programs, satellite monitoring of stream gauge systems, and other programs and projects.

For more information, contact
Tim Feehan, Deputy Director,
CWCB - (303) 618-5010

Colorado Water Conservation Board
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Denver, CO, 80203
Phone: (303) 866-3441
FAX: (303) 866-4474
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Recommended Non-reimbursable Investments

The CWCBC accepts applications for non-reimbursable projects from the Construction Fund until August 1st of each year. Applications for non-reimbursable projects are accepted for:

1. Projects or studies of statewide impact or importance.
2. Feasibility studies and projects designed to address statewide, region-wide, or basin-wide water issues. The Board examines whether such studies could result in new loans.

Section 1. Satellite Monitoring	Appropriates funds to install, maintain, and operate satellite monitored stream gauges for water rights administration as statutorily authorized.	Statewide	\$330,000
Section 2. Continuation of the Floodplain Map Modernization Program	Assists communities to revise and improve floodplain studies and maps. Provides the required non-federal matching dollars that are further leveraged by local cost share and in-kind services. This Program leverages four million dollars in local and federal funds annually.	Statewide	\$500,000
Section 3. Continuation of the Watershed Restoration Program	Provides planning and engineering studies, including implementation measures, aquatic habitat protection, restoration work, quantification of environmental flow needs and monitoring efforts to address technical needs for watershed restoration and flood mitigation projects and to support healthy watershed goals outlined in the Colorado Water Plan. In FY14/15, this program leveraged \$5.50 for every \$1.00 spent.	Statewide	\$1,500,000
Section 4. Restoration of Flood and Drought Response Fund Balance	Refreshes the fund created to respond to flood and drought events through documentation, forecasting, post flood mapping, hazard area identification, mitigation plans, and recovery activities.	Statewide	\$500,000
Section 5. Restoration of Litigation Funds Cash Balance	Restore the CWCBC Litigation Fund to assist in addressing legal issue associate compact compliance or any other litigation activities created under section 37-60-121, Colorado Revised Statutes.	Statewide	\$200,000
Section 6. Arkansas River Basin Decision Support System (ArkDSS)	The ArkDSS is a component of the CDSS. This funding continues implementation efforts as identified in the ArkDSS feasibility study completed in 2011. Implementation at this stage will include primary data collection and data compilation.	Statewide	\$1,000,000
Section 7. Cost Sharefor USDA Regional Conservation Partnership Program	Provides pre-application and post-award technical assistance and design efforts to assist entities applying to the Natural Resources Conservation Service (NRCS) for Regional Conservation Partnership Program (RCPP) funding.	Statewide	\$500,000
Section 8. Water Conservation Planning & Tracking Tools	Provides local water providers a system to input and analyze multiple years of data to track progress and assist in long term planning. Data collection is critical to refining and improving the states understanding of the role of urban conservation in meeting Colorado's future water supplies. This project will assist in identify savings and programmatic trends.	Statewide	\$100,000
Section 9. Colorado Mesonet	This project will provide funding for operation, maintenance, travel, communications, database	Statewide	\$150,000

	and website management for temperature and precipitation stations referred to as the Colorado Mesonet , previously managed and operated by NOAA and currently proposed to be operated by the Colorado Climate Center at CSU.		
Section 10. Colorado Statewide Probable Maximum Precipitation (PMP) Project	This project supports the Department of Water Resources – Dam Safety Branch efforts to develop modern tools and methods for determining large rain events for regulating and designing dam spillways in the state.	Statewide	\$1,200,000
Section 11. Continuation of the Weather Modification Program	Assists water conservation and conservancy districts with the development of cloud seeding programs to provide benefits to recreation, streams, and reservoirs through snowpack enhancement. This Program leverages \$200,000 in local funds annually.	Statewide	\$175,000
Section 12. South Platte River Basin Groundwater Level Data Collection, Analysis, and Remediation	In response to damaging high groundwater levels in areas of the South Platte River Basin and in consultation with the South Platte roundtable’s technical committee, these funds will assist with constructing, maintaining, and monitoring dewatering infrastructure, cover dewatering well pumping costs, collect and evaluate data, perform modeling, and to continue to evaluate the cause of the high groundwater.	South Platte Basin	\$125,000
Section 13. 39-29-109.3 add (2) (o) and (p)	Requests the State Treasurer to transfer \$2,200,000 from the Severance Tax Operational Fund, created under 39-29-109 (2)(b), C.R.S., \$1,000,000 to the CWCB Construction Fund, created under 37-60-121 (1)(a), C.R.S., to support its Watershed Restoration Program and \$1,200,000 to the CWCB Construction Fund to support DWR in its development of tools to regulated and size spillways.	Statewide	Identified in Sections 3 & 10
Section 14. 39-29-109, add (2)(a) (XIII)	Requests the State Treasurer to transfer \$500,000 from the Severance Tax Perpetual Base Fund, created under 39-29-109 (2)(a), C.R.S., to the CWCB Construction Fund, created under 37-60-121 (1)(a), C.R.S., to support its Watershed Restoration Program.	Statewide	Identified in Section 3
Section 15. SB14-179 Flood Debris Cleanup	Amend SB14-179 to change the repeal date from July 1, 2015 to July 1, 2017 to allow sufficient time to expend the \$2,500,000 in grant funding for flood debris cleanup in areas affected by the Sept. 2013 flood.	Statewide	\$0
Section 16. Project Bill HB14-1333 Chatfield Reservoir Reallocation Project Loan Authorization	Amends Section 15 of CWCB’s 2014 Projects Bill allowing CWCB the ability to modify individual project entity loan amounts, while keeping the overall approved project loan amount limits unchanged. Proposed amendment is due to changes in ownership in the overall project storage allocations.	South Platte Basin	\$0
Section 17. Safety Clause	Declares that this Act is necessary for the immediate preservation of the public peace, health, and safety	Statewide	N/A
		Total	6,280,000

Notes

A small project loan report detailing the 18 loans made in calendar year 2014, valued at over \$20.6 million, has been presented to the House and Senate Agriculture, Livestock, and Natural Resources Committees. A copy of the report is available on the legislative website at www.colorado.gov.

**Director's Report Attachment – May 20-21, 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
5-15CW3013	Bruce Tabb	Eagle River/ 5-80CW126	110 cfs (summer) 45 cfs (winter)	0.00859 % 0.00490 %	0.50901 % 0.69892 %	27
5-15CW3013	Bruce Tabb	Eagle River/ 5-80CW124	130 cfs (summer) 50 cfs (winter)	0.00727 % 0.00441%	0.58419 % 0.85940 %	35

**May 20-21, 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. 1-12CW005 - Application of Denver - Bifurcated from Case No. 04CW121

The Board ratified the original statement of opposition in Case No. 04CW121 at its September 2004 meeting. The Board's main objective in filing the statement of opposition was to ensure that the Applicant's proposed use of lawn irrigation return flows historically accruing to Little Dry Creek does not injure the Board's instream flow water right on Little Dry Creek. Upon further disclosure from Application, it became apparent that no impact would occur on the Board's water right on Little Dry Creek, therefore CWCB withdrew from Case No. 04CW121 in 2012, and withdrew from Case No. 12CW005 in March 2015.

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

CWCB Case No.	Stream/Lake	Amount (cfs)	Approp. Date	Watershed	County
1-93CW100	Little Dry Creek	2.2	7/22/93	South Platte River	Arapahoe

(2) Case No. 1-12CW091 - Application of St. Vrain & Left Hand Water Conservancy District & Boulder County

The Board ratified this statement of opposition at its July 2012 meeting. The Board's main objective in filing the statement of opposition in this case was to protect CWCB's exclusive authority to hold instream flow water rights. Staff, in cooperation with the Attorney General's Office, has negotiated a settlement, which includes an agreement between Applicant and CWCB for instream flow use as an acquired water right on St. Vrain Creek.

(3) Case No. 1-12CW050 - Application of Upper South Platte Water Conservancy District

The Board ratified this statement of opposition at its May 2012 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 including appropriative rights of exchange do not injure the Board's many instream flow water rights in the Upper South Platte River Basin. 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:

- The service area for the augmentation plan adjudicated in this decree, which defines the area where depletions can occur under this plan, is the same as the 2002 Augmentation Plan. A map of the Applicants' service areas for the 2002 Augmentation Plan is attached to the decree.
- If the depletion from proposed Participating Diversion is located within or upstream of a CWCB instream flow right senior to the proposed Participating Diversion, the Customer Notice Application must include either an available flow analysis, or a Storage Vessel plan described in the decree. Any objection to the available flow analysis or Storage Vessel plan shall proceed under the procedures identified in the decree.
- If a Customer Notice Application claims that C.R.S. §37-92-102(3)(b) applies, the application shall include an affidavit from a person with personal knowledge of the use claimed to be in existence on or before the CWCB appropriated the potentially affected instream flow water right. The affidavit will set forth the person's name, how the personal knowledge was obtained, and a description of the amount diverted and type of use. If available, the application will include documentary evidence of the use evidencing the structure existed before the CWCB appropriated the potentially affected instream flow water right. If the CWCB disputes whether C.R.S. §37-92-102(3)(b) applies, then the CWCB shall proceed under the procedures identified in the decree.
- A list of instream flow water rights currently held by the CWCB within the Applicants' service area is attached as an exhibit to the decree. If the CWCB places a call on a decreed instream flow reach that would otherwise result in the curtailment of a Participating Diversion, Applicants will either curtail the diversion, if the diversion has no lagged depletions, or augment the out-of-priority depletions in time, place and amount to the extent necessary to prevent injury to the instream flow water right. Applicants shall only truck replacement water to a storage vessel for subsequent release and shall not release water directly from a truck to the stream to satisfy a CWCB call for an instream flow water right.
- Applicants' replacement obligation within a given instream flow reach shall be the out-of-priority depletion attributable to a Participating Diversion located in that reach if the return flow from the Participating Diversion accrues to the stream at or above the point of diversion. If the return flow from a Participating Diversion accrues to the stream both below the point of diversion and within or below an instream flow water right reach, Applicants shall make replacements of the full diversion at a point at or upstream of such diversion to the extent necessary to prevent injury or curtail the subject Participating Diversion. If Applicants replace the full diversion, then the Applicants are entitled to recapture an amount equal to the return flows from the Participating Diversion at Spinney Mountain Reservoir or Chatfield Reservoir, subject to transit losses. Return flows shall be calculated as actual diversions multiplied by the difference between 100 percent and the consumptive depletion percentage [i.e., *Return Flows = Diversions x (100% - Consumptive Depletion Percentage)*].
- A map of the exchange reaches (38 exchanges) is attached to the decree. The exchanges shall be operated only at times when the exchanges are in priority and

there is a live stream between the point of introduction of such water into the stream and the upstream diversion point, except that Applicants shall not operate an exchange up streams on which the CWCB holds an instream flow right at times when the instream flow water right is not being fully satisfied and the CWCB has placed call recognized and administered by the Division Engineer.

(4) Case No. 1-12CW087 - Application of Eldora Enterprises, LLC and Mountain Lease Enterprises, LLC

The Board ratified this statement of opposition at its July 2012 meeting. The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicant's proposed change of water rights do not injure the Board's instream flow water rights on Middle Boulder Creek, Boulder Creek, South Boulder Creek and Jenny Creek. A 5-day trial is set to begin on June 1, 2015. Staff, in cooperation with the Attorney General's Office, has negotiated a pre-trial 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
1-90CW193A-H	Boulder Creek	Varies 0.5-15.0	Varies from 1859-1956	St. Vrain	Boulder
1-74W7636	Boulder Creek	15.0	10/1/1973	St. Vrain	Boulder
1-79CW308	Boulder Creek	1.0	6/1/1862	St. Vrain	Boulder
1-78W9375	Middle Boulder Creek	12.0	7/11/1978	St. Vrain	Boulder
1-80CW379 & 1-80CW379A	South Boulder Creek	6.0/15.0 & 2.0/15.0	12/2/1980	St. Vrain	Boulder
1-87CW285	Jenny Creek	1.0	12/11/1987	St. Vrain	Boulder

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

- The ERTL Green Ditch Shares shall only be diverted at the changed points of diversion if (i) the Green Ditch is in priority under its September 15, 1862 appropriation date, (ii) water is physically and legally available in Boulder Creek at the location of the Green Ditch headgate, (iii) a continuous live stream exists between the Green Ditch headgate and the changed point of diversion where the shares are being diverted, (iv) all water rights located between the Green Ditch headgate and the changed point of diversion where the shares are being diverted and all decreed exchanges within any portion of an affected stream reach with priority dates senior to April 26, 2012 are satisfied to the extent of their call, and (v) all instream flow rights within each affected reach are fully satisfied.
- Prior to initiating diversions of or storing water under the ERTL Green Ditch Shares at the changed points of diversion, Eldora shall obtain approval to proceed from and coordinate such diversions with the Water Commissioner.

- The maximum cumulative rate of diversion for the ERTL Green Ditch Shares at the changed points of diversion in cubic feet per second shall be limited to the maximum monthly diversion rate set forth in the decree table minus the rate being diverted at the Green Ditch headgate and returned immediately to Boulder Creek to replicate historical irrigation season return flows as set forth in the decree.
- Except for the diversions to cover ditch loss and irrigation season return flow obligations, the ERTL Green Ditch Shares shall no longer be diverted at the Green Ditch headgate, even at times when the ERTL Green Ditch Shares are not being diverted at the changed points of diversion. Accordingly, the total amount of water that can lawfully be diverted at the Green Ditch headgate pursuant to the September 15, 1862 priority cannot exceed 32.96 cfs plus ditch loss plus the rate being diverted at the Green Ditch headgate and returned immediately to Boulder Creek to replicate historical irrigation season return flows.
- Applicants relinquish to the stream system any interest in the May 1, 1863, May 1, 1864, and May 1, 1865 appropriation dates associated with the ERTL Green Ditch Shares. Applicants may retain any historical irrigation return flows not required to prevent injury to senior water rights under an April 26, 2012 appropriation date, and may use those return flows for all purposes stated in paragraph 5.C above. The retained irrigation season return flows shall be diverted and accounted for under the April 26, 2012 priority date. The retained non-irrigation season return flows shall be diverted under the September 15, 1862 priority date and, if not used that year to satisfy non-irrigation season return flow obligations, accounted for under the April 26, 2012 priority date.
- Eldora shall install, modify, maintain, or replace, at its sole expense, such meters, gauges, or other measuring and recording devices as may be required by the Water Commissioner or State or Division Engineer. Peterson Lake, Lake Eldora, and Kettle Pond must be equipped with outlet works or a pump capable of passing or delivering all out-of-priority inflows to the nearest natural water course.

(5) Case No. 1-12CW214 - Application of Upper South Platte WCD and Center of Colorado WCD

The Board ratified this statement of opposition at its January 2013 meeting. The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicant's proposed change of water rights does not injure the Board's instream flow water rights on the Middle Fork South Platte River, Mosquito Creek, Michigan Creek, and Tarryall Creek. 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
1-80CW064	Middle Fork South Platte River	6/12	1/30/1980	South Platte	Park
1-80CW067	Middle Fork South Platte River	8/16	1/30/1980	South Platte	Park
1-76CW8222	Mosquito Creek	4	1/14/1976	South Platte	Park

1-76W8230	Michigan Creek	7	1/14/1976	South Platte	Park
1-77W8729	Tarryall Creek	14	11/15/1977	South Platte	Park
1-77W8730	Tarryall Creek	20	11/15/1977	South Platte	Park

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

- The “Subject Water Rights” are all adjudicated for augmentation and for use to replace depletions occurring within the Applicants’ service area.
- Applicant clarified its claims and agreed that a downstream diversion of water released from a reservoir is a “re-diversion,” rather than an “exchange.”
- To the extent that diversion or rediversion of the Subject Water Rights at the County Road 59 Pump requires the operation of an exchange, the diversion or rediversion shall be limited to those times when all decreed water rights in the affected reach of the stream and all decreed exchanges which include any portion of the affected reach of the stream, having priority dates senior to February 1, 2012 as decreed in Case No. 12CW50, are satisfied to the extent of their call, or are out of priority.
- With the exception of rediversion of water released from storage in the Smelter Pipeline Reservoir, 1st Enlargement, diversions of the subject water rights at the alternate point of diversion will not operate to the extent the 16 c.f.s. instream flow right on the Middle Fork from May 1 through September 30 or the 8 c.f.s. instream flow water right on the Middle Fork from October 1 through April 30 decreed in Case No. 80CW67 are not satisfied. Subject to the terms and conditions of this decree, after storage in the Smelter Pipeline Reservoir, 1st Enlargement, Applicants may release such water from Smelter Pipeline Reservoir, 1st Enlargement and re-divert water at County Road 59 Pump notwithstanding the prohibitions set forth in this paragraph because such water is delivered to the Middle Fork upstream of the County Road 59 Pump and can be rediverted at such location without impairment of the instream flow water right.

(6) Case No. 4-12CW155 - Application of Wayne Meredith and Ina Kristine Kapushion

The Board ratified this statement of opposition at its March 2013 meeting. The Board’s main objective in filing the statement of opposition in this case was to ensure that the Applicant’s proposed change in water rights does not cause injury to the CWCB’s instream flow water rights on Coal Creek or the Slate River by an 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
4-80CW102	Coal Creek	2.0	3/17/1980	East-Taylor	Gunnison
4-80CW092C	Slate River	12/23	3/17/1980	East-Taylor	Gunnison

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

- Diversions at the changed point of diversion for the Kapushion Ditch shall be limited to those physically and legally available at the original point of diversion for that structure.
- Diversions at the changed point of diversion for the Kapushion Ditch shall be limited to those times in which live surface flow exists in Coal Creek at the changed point of diversion and shall not exceed the historical monthly diversions set out in Table 1, attached as Exhibit 3.
- The pump used for diverting surface water from the new point of diversion for the Kapushion Ditch, as changed in this case, shall be housed in an infiltration gallery-type vault designed to infiltrate and divert only surface water, and which shall be sealed to exclude ground water. Water will be diverted from the creek into the vault through an opening or openings in the vault which shall be within 1 foot of the surface of the creek bed. The vault shall have dimensions no larger than three feet wide, three feet across, and three feet deep.

(7) Case No. 4-13CW095 - Application of Hathaway Ranch Properties, LLC

The Board ratified this statement of opposition at its March 2014 meeting. The application was filed pursuant to 37-92-305(3.5), C.R.S., the “simple change” statute but claimed upstream moves in points of diversion along an instream flow reach, which is specifically disallowed by this statute. The Board’s main objective in filing the statement of opposition in this case was to ensure that the several changes in water rights do not cause injury to CWCB’s instream flow water right on West Pass Creek. 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
4-82CW247	West Pass Creek	1.0	6/3/1982	Tomichi Creek	Saguache

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 map showing the location of Applicant’s property and the general place of use, and all head gates included in this case is attached as an exhibit to the decree. Based on the survey and field inspection, discussions with the CWCB staff, and the recommendations in the Summary of Consultation reports, the parties concluded it would be more appropriate to treat the application as a request to correct established but erroneously described points of diversion pursuant to Section 37-92-305 (3.6), C.R.S.

(8) Case No. 4-14CW037 - Application of Roseanne M. Guire and Jimmy R. Guire II

The Board ratified this statement of opposition at its November 2014 meeting. The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicant's proposed change of water right does not cause injury on CWCB's instream flow water rights on the North Fork Tabeguache Creek or Tabeguache Creek. 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	Upper Terminus	Lower Terminus
4-11CW143	North Fork Tabeguache Creek	1.4 (4/1 - 4/30) 2.3 (5/1 - 6/30) 1.4 (7/1 - 8/14) 0.75 (8/15 - 3/31)	1/25/2011	Headwaters	Confluence w/ Tabeguache Creek
4-10CW187	Tabeguache Creek	1.6 (12/1 - 3/31) 4.75 (4/1 - 6/30)	1/26/2010	Confluence w/ Forty-Seven Creek	Templeton Ditch
4-10CW186	Tabeguache Creek	4.75 (3/15 - 6/30)	1/26/2010	Templeton Ditch	Confluence w/ San Miguel River

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

- This change is move the place of use from 50 acres of irrigation on applicant's property to a different 50 acres to irrigate land currently owned by the U.S.B.L.M. Applicants have submitted their Desert Land Entry Applications to the Department of Interior, Bureau of Land Management and have been issued Serial Numbers COC-75982 (for RoseAnne Guire) & COC-75983 (for Jimmy Guire).

(9) Case No. 5-13CW3094 - Application of Breckenridge

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 change of water rights do not cause injury to CWCB's instream flow water rights on the Blue River. 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 County

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

- The sources of augmentation water described in paragraph 7 need only be utilized when the Breckenridge Pipeline Enlargement and the Breckenridge Pipeline described in paragraphs 5 and 6 at the alternate diversion points described in paragraph 9 are out-of-priority. Moreover, the Breckenridge Pipeline Enlargement shall only be utilized when the Breckenridge Pipeline cannot be diverted at the alternate points of diversion due to the provisions of paragraph 12(b) below.
- The augmentation by exchange described in paragraph 10(b) using the Clinton Gulch Reservoir and Dillon Reservoir water described in paragraphs 7(a) and 7(c) above shall only operate during the period of November 1 through April 30 when there is 16 cfs or more at the USGS Blue River near Dillon gage, and during the period of May 1 through October 31 when there is 32 cfs or more at the USGS Blue River near Dillon gage. Given the extensive stream restoration work undertaken by Breckenridge in the Upper Blue River and the fact that Breckenridge is leaving more water in the Blue River from the existing diversion of the Breckenridge Pipeline to the alternate points of diversion described herein, the location of this point of measurement shall not change absent a subsequent agreement of the CWCB and Breckenridge.
- Subject to existing obligations and operating constraints, Breckenridge shall use its best efforts during the period January 1 - March 31 to first rely on the sources of augmentation water described in paragraphs 7(b), (d) and (e) to the extent water from such sources are available.

(10) Case No. 5-13CW3105 - Application of K-2 Family Property LLC

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 proposed operations do not cause injury to instream flow water rights on the Roaring Fork River or Maroon Creek by not providing replacement water in proper time, place, and amount. Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCB's instream flow water rights will not be injured.

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

CWCB Case No.	Stream/Lake	Amount (cfs)	Approp. Date	Watershed	County
5-85CW646	Roaring Fork River	30/55	11/8/1985	Roaring Fork	Pitkin, Eagle
5-10CW184B	Roaring Fork River	4.3	6/30/1904	Roaring Fork	Pitkin
5-10CW184C	Roaring Fork River	.05-.52	6/30/1904	Roaring Fork	Pitkin
5-76W2945	Maroon Creek	14	1/14/1976	Roaring Fork	Pitkin

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 clarified its interpretation of the hydrological connection between "Badger Hollow" and the Roaring Fork River and clarified its intended use and accounting for such use of certain storage structures as irrigation control structures.

- Applicant agreed to a reasonable rate of exchange such that required augmentation releases cannot be aggregated through the exchange reach to avoid an ISF call.
- Applicants shall not operate the exchange through the reaches of the instream flow water rights identified above any time the instream flow water rights are not fully satisfied and are being administered by the Division Engineer. At such times, Applicants shall either curtail all diversions or replace out of priority diversions from local augmentation water previously stored in the K2 Pond.
- Applicants will construct the pond and water feature to prevent interception of groundwater, and will line the pond if necessary.
- Applicants will curtail all diversions from the well for purposes of direct irrigation and filling the K2 Pond and Water Feature when the well is out of priority with respect to a valid "local call" that originates above the Roaring Fork/Frying Pan River confluence pursuant to paragraph 7.C.v of the plan for augmentation described in the Third Claim above.



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., Finance Section Chief

DATE: May 20-21, 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:

- 1.70% - Agricultural
- 2.35% - Low-income Municipal
- 2.70% - Middle-income Municipal
- 3.05% - 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: May 20-21, 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						
Plum Valley Heights Sub-District of the Roxborough Water and Sanitation District	Water Rights Purchase	March 1, 2015	Metro	Plum Valley Heights intends to purchase water rights from Aurora to serve approximately 300 rural homes that are currently on non-renewable groundwater supplies.	\$2,355,000	\$2,119,500
Uncompahgre Valley Water Users Association	Hydroelectric Project	March 1, 2015	Gunnison	The Uncompahgre Water Users Association is developing a hydroelectric facility known as the Drop 5 site.	\$7,667,500	\$6,900,750
Lower Poudre Augmentation Company	Water Rights Purchase	March 1, 2015	South Platte	Lower Poudre Augmentation Company intends to purchase 34.5 shares of the New Cache La Poudre Irrigation company and 4.0 shares of the Cache La Poudre Reservoir Company to add to its augmentation plan that provides augmentation water for 62 irrigation wells.	\$1,279,500	\$1,151,550
Totals					\$11,302,000	\$10,171,800

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
				TOTAL	\$302,270,000
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
Rio Grande					
	13-Jun	Manasa Land & Irrigation Co.	Ditch Rehabilitation		\$1,000,000
	14-May	Baca Grande Water and Sanitation District	Water Rights Purchase		\$1,000,000
				TOTAL	\$2,000,000
Yampa					
	13-Dec	R Lazy J Ranch	New Reservoir and Diversion Structure Rehab	\$1,000,000	\$750,000
	15-Apr	Town of Oak Creek	Reservoir Rehabilitation		\$500,000
				TOTAL	\$1,250,000
				TOTAL	\$341,270,000

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

Recent inquiries:

- Town of Morrison - Reservoir/Pipeline project
- Private borrower - McAndrews Lake Rehabilitation
- Water Supply and Storage Company - Tunnel work
- Crawford Clipper Ditch Company - Automated Screening Structure
- Lookout Mountain Water District - Reservoir(s) Rehabilitation

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TO: Colorado Water Conservation Board Members**FROM:** Kirk Russell, P.E., Finance Section Chief**BOARD MEETING:** May 20-21, 2015**DIRECTORS REPORT:** Water Project Loan Program
Design & Construction Status Report

The CWCB Loan Program has Substantially Completed sixteen (16) projects in Fiscal Year 2014-2015 as shown in Table 1. There are currently fifty-nine (59) projects authorized to receive loan funding totaling \$269 million. There are fifty-two (52) projects currently under contract and in the Design and Construction phase totaling \$123 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	1/1/2015
9	Lone Cabin Ditch & Res. Co.	Lone Cabin Dam Rehab. Proj.	Delta	\$252,803	2/1/2015 (a)
10	Parker Water & San. District	WISE - ECCV Pipeline Purchase	Douglas	\$4,426,830	2/1/2015
11	Denver Southeast Suburban Water & San. District	WISE - ECCV Pipeline Purchase	Douglas	\$1,845,270	2/1/2015
12	Joseph W. Bowles Res. Co.	Bowles No. 1 Dam Rehab.	Jefferson	\$1,703,870	3/1/2015 (b)
13	Town of Dillon	Old Dillon Res. Enlargement	Summit	\$1,515,000	4/1/2015
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
			Total:	\$48,333,368	

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



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%

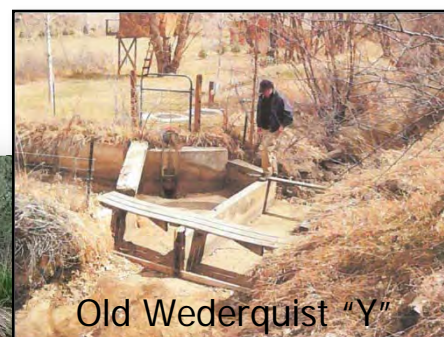
Substantial Completion: July 1, 2014

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%

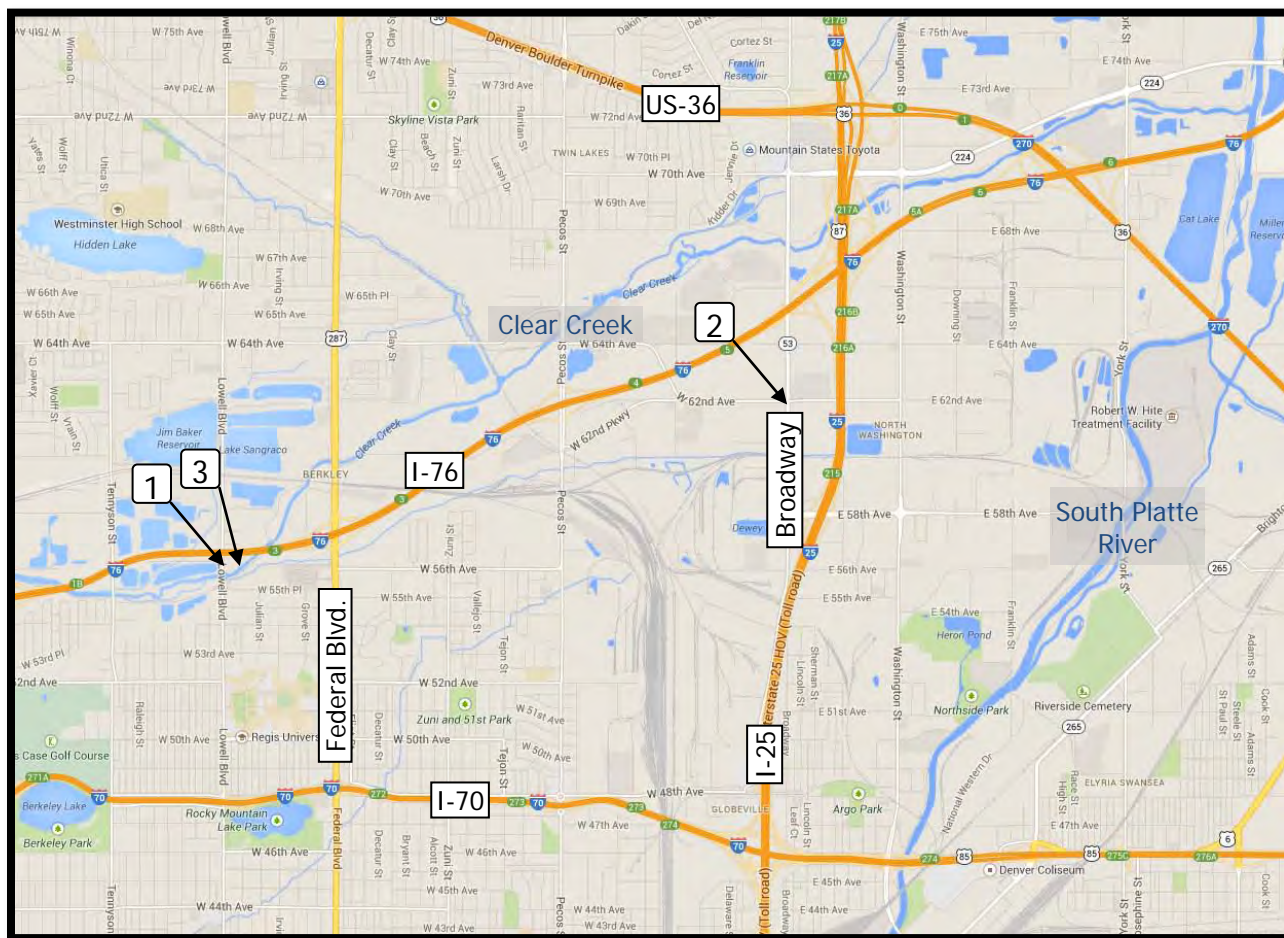
Substantial Completion: July 1, 2014

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%

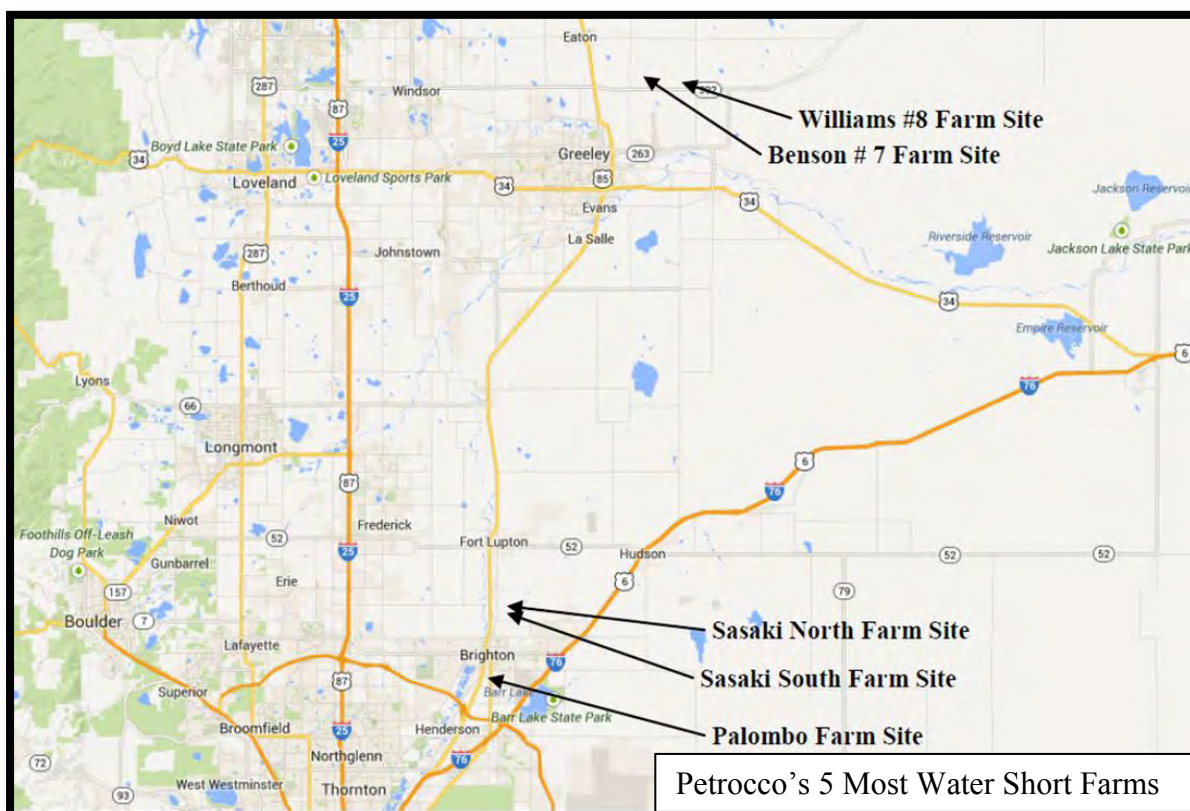
Substantial Completion: July 1, 2014

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

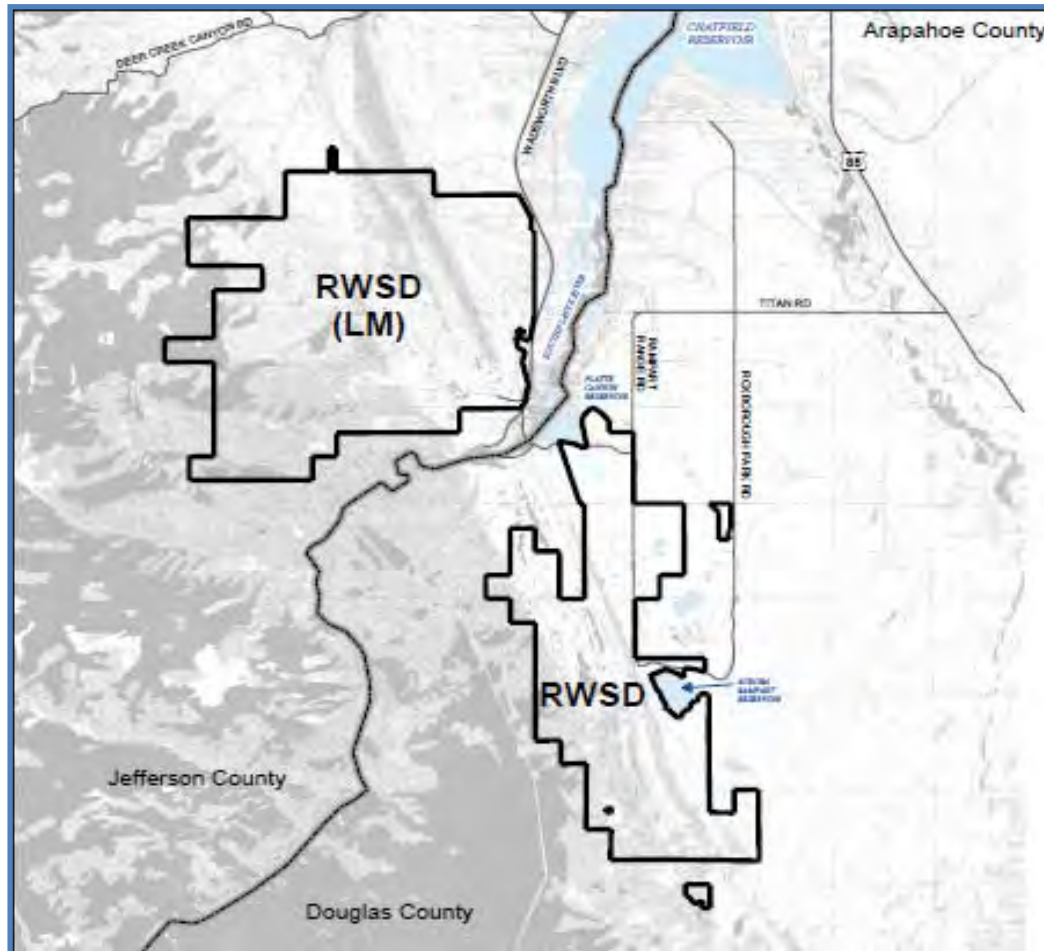
Contractor: Mountain States Hydro, LLC and Riverside Inc.

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.



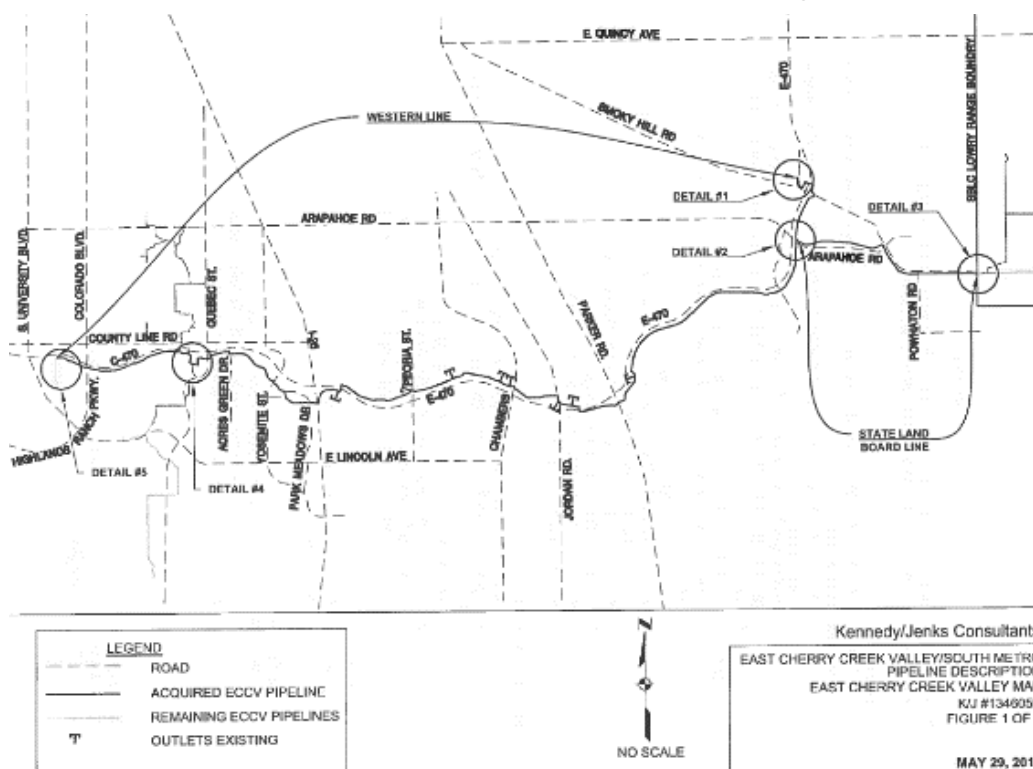
P R O J E C T D A T A		
<i>Sponsor:</i> Lone Cabin Ditch and Reservoir Company	<i>County:</i> Delta	<i>Water Source:</i> Minnesota Crk.
<i>Type of Loan:</i> Dam Rehabilitation	<i>Board Approval Date:</i> September 2013	
<i>Amended Terms of Loan:</i> \$252,803 at 1.75% for 30 years		
<i>Design Engineer:</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.

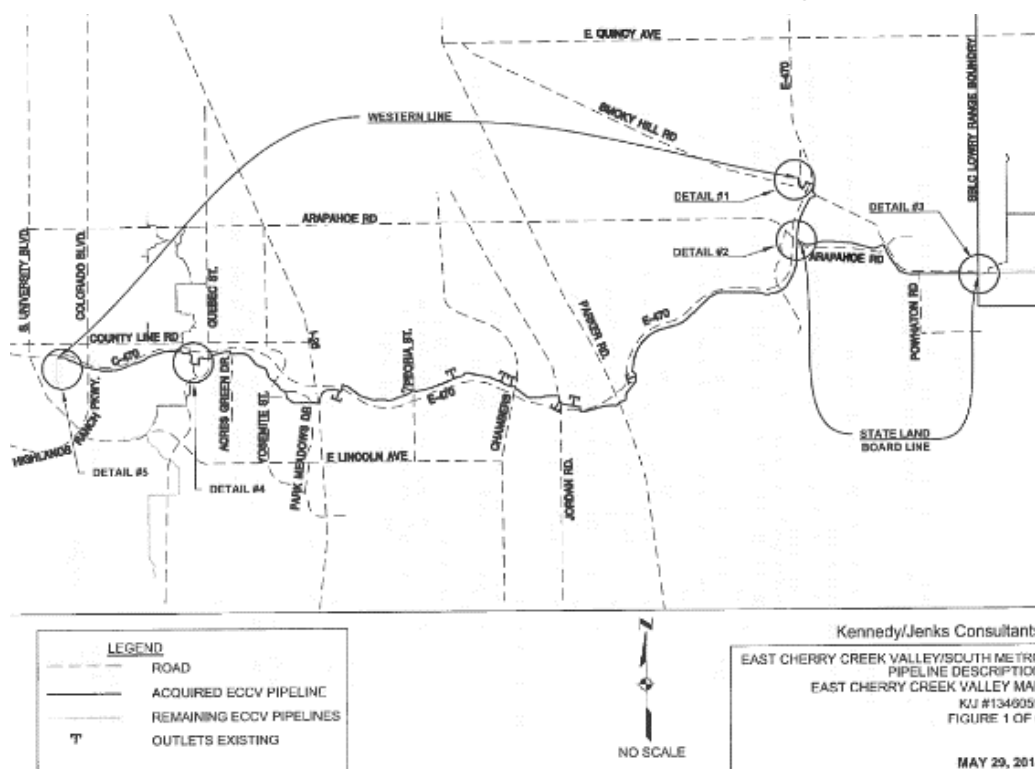
P r o j e c t d a t a		
<i>Sponsor:</i> Parker Water & Sanitation District	<i>County:</i> Douglas & Arapahoe	<i>Water source:</i> South Platte
<i>Type of loan:</i> Water Delivery System		<i>Board approval date:</i> May 22, 2014
<i>Terms of loan:</i> 20 years @ 2.75%		
<i>Design engineer:</i> No design 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.

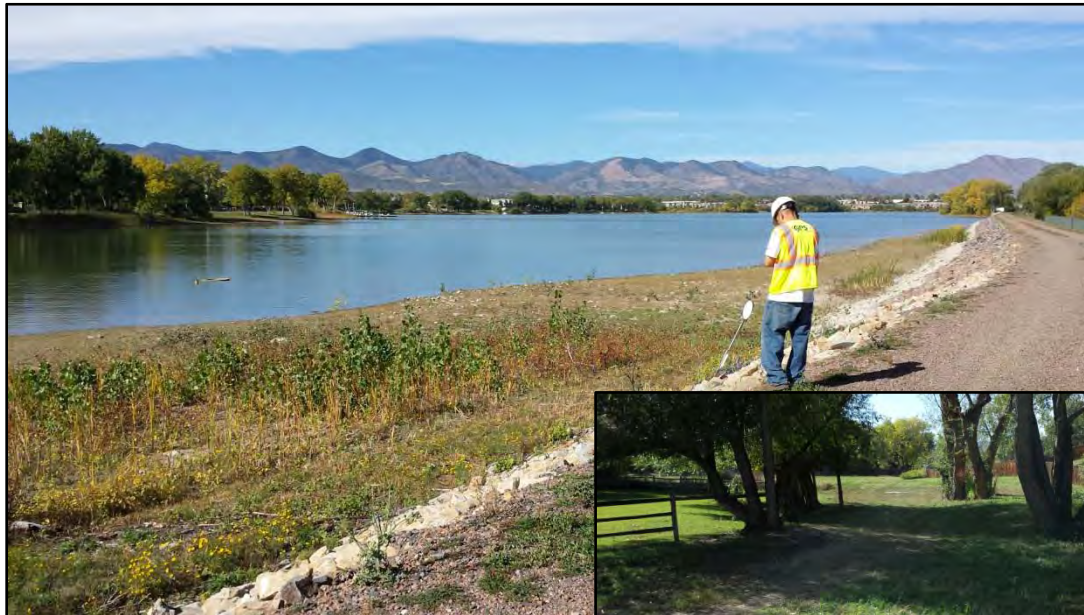
This Water Project Loan financed the Denver Southeast Suburban Water Sanitation District's (Pinery's) cost share obligations for the purchase of the ECCV Pipeline by the WISE Authority, resulting in a license agreement for approximately 6% capacity of pipeline deliveries.

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		



System Rehabilitation Project

Farmers Highline Canal and Reservoir Company
Substantially Complete May 2015



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.

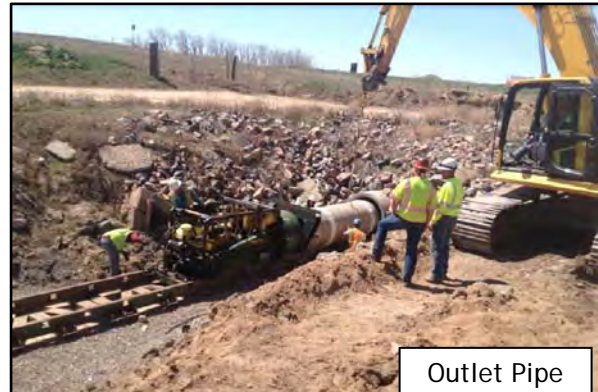
The diversion dam is a 93' concrete dam located in Golden. The existing dam was deteriorating and causing a large void to develop at the downstream toe of the dam. The dam was resurfaced with a toe wall and riprap apron added. The headgate structure consist of resurfacing the concrete structure and installing 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> \$2,129,918.30 @ 4.65% for 30-years		
<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> \$736,086.57 @ 2.00% for 30-years		
<i>Design Engineer:</i> Franchetti Engineering		
<i>Contractor:</i> Aslan Construction, Inc		
<i>Project Elements:</i> Emergency repair of dam outlet works. Included redesign 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.		

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.
2	Town of Bennett > Wells #3 and #6 Replacement Project CT2015-161	Adams Arapahoe	\$145,400	100%	May 2015 - Sept 2015	10%	AM	The Project was bid in 2014. Notice to proceed will be issued in May 2015.
3	Bergen Ditch & Reservoir Company > Bergen Reservoir No. 2 Rehabilitation C150344 (CT2015-017)	Jefferson	\$2,020,000	100%	Spring 2015 - 2015	0%	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. Notice to Proceed is expected soon.
4	Boxelder Basin Regional Stormwater Authority > Larimer & Weid Canal Crossing Structure Project C150352 (CT2015-071)	Larimer/ Weid	\$1,010,000	25%	2015 - 2016	0%	JH	Land acquisition of all required parcels has been completed and loan funds were advanced to cover land purchase costs. Final design and SEO approval is underway. Bidding is targeted for May for an October start date.
5	Boxelder Basin Regional Stormwater Authority > East Side Detention Facility Project C150353 (CT2015-070)	Larimer/ Weid	\$7,171,000	25%	2015 - 2016	0%	JH	Land acquisition of all required parcels has been completed and loan funds were advanced to cover land purchase costs. Final design and SEO approval is underway. Bidding is targeted for May for a summer start date.
6	Boxelder Basin Regional Stormwater Authority > County Rd 52 Culvert Project C150393 (CT2015-069)	Larimer/ Weid	\$818,100	25%	2015 - 2016	0%	JH	Land acquisition of all required parcels has been completed and loan funds were advanced to cover land purchase costs. Final design and SEO approval is underway. Bidding is targeted for May for a September start date.
7	Central CO WCD - WAS > Augmentation Water Supply Project C150337 (CT2015-060)	Weid/ 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% Ph2 100%	Summer '13 & Summer '15	100% 70%	KR	Phase 1 Aisand Construction \$2M. Spillway & Grout work is complete. Phase 2 Construction by ASI Contractors is behind schedule. ASI re-mobilized and work to be complete in July 2015.
9	Crystal Lakes Water and Sewer Association > Lower Lone Pine Lake Enlargement Project C150325 (CT2015-045)	Larimer	\$2,363,400	100%	Apr 12 - Nov 14	99%	AM	Construction was completed in November 2014. Loan will be substantially completed in early 2015. There will be a ribbon cutting ceremony in May 2015.

Design and Construction – Summary

Loan Program
Attachment 3

Contract Borrower		County	Loan Amount	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
10	East Mesa Water Company > Ditch Piping Project C150360 (CT2015-141)	Pitkin/ Garfield	\$757,500	100%	Feb 15 - May 15	99%	KR	Engineering by NRCS and AECOM. Construction by Rock Solid Inc. and Mueller Exc. Work complete. Final receipts and grant collection being performed by Company. NRCS will make payment in May.
11	Eckhardt Farms Inc > Water Rights Purchase C150338 (CT2015-051)	Weld	\$1,336,230	N/A	N/A	N/A	JH	Water rights purchase. Borrower purchased ditch company shares with a bridge loan from a local bank. CWCBC disbursement of funds is expected to occur in 2015.
12	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. Working with contractor to finalize cost based on final design.
13	Farmers Pawnee Canal Company > Diversion Structure Replacement Project C150394 (CT2015-132)	Logan	\$2,067,470	100%	Fall 14 - Spring 15	89%	DRJ	All walls completed, bladder gates installed and tested. Contractor continuing to place riprap.
14	Fowler, Town of > Augmentation Pipeline Project C150359 (CT2015-054)	Otero	\$277,245	90%	Summer 2015	0%	DRJ	DOLA funding approved, waiting for contract. Expected schedule: survey, bid process early spring, June construction.
15	Fulton Irrigating Ditch Company > Diversion Structure Rehabilitation Project C150399 (CT2015-092)	Adams	\$2,027,070	100%	Fall 2014/Spring 2015	80%	DRJ	Awaiting delivery of automated gantry grate cleaning machine ~mid-May
16	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. Remaining construction items will be completed after peak runoff.
17	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.
18	Greeley Irrigation Company > Greeley Canal No. 3 Rehabilitation C150239 (CT2015-021)	Weld	\$2,233,867	90%	Feb 08 - Dec 15	90%	KR	Nearly complete. The Company is working on their SCADA system and the realignment and reshaping of various sections of existing channel. Substantially Completed on July 2015
19	Greeley and Loveland Irrigation Company > Irrigation System Improvements C150362 (CT2015-022)	Larimer	\$3,154,230	95%	Summer 14 - Fall 15	60%	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 is scheduled for an early May 2015 finish.

Design and Construction – Summary

Loan Program
Attachment 3

Contract Borrower		County	Loan Amount	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
20	Gypsum, Town of > LEDE Ditch and Reservoir Rehabilitation C150296 (CT2015-058)	Eagle	\$2,689,731	100%	Jul 13 - Sep 16	32%	DRJ	Construction began in winter 2013 and continues into 2014. The new outlet pipe has been backfilled and dam earthenwork construction is underway. Contractor is effectively halted due to weather, but will continue to work on backfill material excavation when possible. Last site visit occurred 12/10/14.
21	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.
22	Lake Canal Reservoir Company > North Gray Reservoir Rehab Project C150322 (CT2015-042)	Larimer/ Weid	\$116,625	20%	2015 - 2016	0%	JH	Project has been delayed until neighboring Boxelder East Side Detention Facility is finalized.
23	Lake Durango Water Authority > Source Water Supply Project C150317 (CT2015-013)	LaPlatta	\$2,525,000	95%	June 15 - Spring 16	0%	KR	Final design efforts are underway. ROW and easements are being negotiated.
24	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 outleworks construction will be completed in 2015.
25	Louden Irrigating Canal & Reservoir Company > Emergency Diversion Structure and Ditch Repair C150398 (CT2015-151)	Larimer	\$ 121,200	100%	Summer 14 - Fall 15	90%	JH	Initial repair phase of project is complete. Improvements to the diversion and heagte system is scheduled for Fall of 2015
26	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.
27	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.
28	Northern Colorado WCD- Hydropower Enterprise > Granby Hydropower Project C150396 (CT2015-140)	Grand	\$5,135,183	100%	May 15 - May 16	0%	JH	Power Purchase and Lease of Power Privilege agreements signed March 2015. Construction anticipated to start in May 2015
29	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.

Design and Construction – Summary

Loan Program
Attachment 3

Contract Borrower		County	Loan Amount	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
30	Overland Ditch and Reservoir Company > Overland Reservoir Rehabilitation C150206 (C12015-034)	Delta	\$1,130,000	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
31	Owl Creek Reservoir Company > Owl Creek Reservoir Rehabilitation C150089 (C12015-048)	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.
32	Pemrose Water District > Water Rights Purchase and Pipeline Installation C150237 (C12015-040)	Fremont	\$9,763,670	100%	Summer 14 - Spring 16	89%	DRJ	Pipeline complete. Pressure testing ongoing. Punchlists process started. Initial startup (and demonstration) of system pending imminent water purchase from Pueblo West. Ability to pump to be achieved by May 1 2015
33	Pisgah Reservoir and Ditch Company > Mount Pisgah Dam/Wrights Res Rehabilitation C150341 (C12015-027)	Teller	\$549,091	100%	Spring 15 - Dec 16	0%	JH	Approved for additional loan funds at November 2014 Board Meeting. SEO provided final approval in November 2014. Project is currently out to bid.
34	Prairie Ditch Company > Plaza Phase 3: Prairie Ditch Imp. Project C150400 (C12015-134)	Rio Grande	\$131,300	90%	Fall 15 - Spring 16	0%	JH	NRCS near complete with final design. Scheduled for a Fall 2015 construction start.
35	Ridgway, Town of > Lake Otonowanda Rehabilitation Project C150340 (C12015-056)	Ourray	\$606,000	100%	June 14 - July 15	80%	KR	Earthwork and outlet construction is nearly complete. Winter ended const. for 2014. Contractor has remobilized this spring. Outlet work may require open cut in lieu of boring. Completion expected in mid summer.
36	Riverside Ditch and Allen Extension Company > Ditch System Rehabilitation C150301 (C12015-050)	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.
37	Riverside Reservoir and Land Company > Riverside Reservoir Spillway Enlargement C150291 (C12015-026)	Weld	\$2,838,100	80%	Summer 2015	0%	DRJ	The engineer is re-evaluating design options with support from the SEO. Construction expected summer of 2015.
38	Sanchez Ditch and Reservoir Company > Sanchez Reservoir Outlet Rehabilitation Project C150342 (C12015-012)	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.
39	Sanford Canal Company > Sanford Diversion and Headgate Rehabilitation C150401 (C12015-091)	Rio Grande	\$101,000	100%	Summer 15 - Fall 15	0%	JH	NRCS has finalized design. Working with contractor to finalize cost-based on final design.

Design and Construction – Summary

Loan Program
Attachment 3

Contract Borrower		County	Loan Amount	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
40	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.
41	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.
42	Santa Maria Reservoir Company > Continental Dam Spillway Rehabilitation Project C150365 (CT2015-006)	Hinsdale/ Mineral	\$3,071,633	100%	2014 - 2015	50%	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 will resume as weather allows in 2015.
43	Terrace Irrigation Co > Spillway Replacement Project C150332 (CT2015-033)	Conejos	\$2,751,968	100%	Jul 12 - Jul 13	99%	KR	Construction by ASI Contractors is complete. SEO has provided final approval. ASI has submitted final invoice. Substantial Completion in June 2015
44	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 acquisition process is still underway with target of Spring 2015
45	Upper Arkansas Water Conservancy District > Reservoir Rehabilitation C150192 (CT2015-052)	Chaffee/ Custer	\$3,520,000	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.
46	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.
47	West Reservoir and Ditch Company > Repair of West Reservoir No. 1 Outlet Works CT201-196	Delta	\$248,378				DRJ	Construction anticipated spring of 2015
48	Windsor, Town of > Kyger Reservoir Project C150366 (CT2015-057)	Lairimer/ Weid	\$4,545,000	20%	Summer 16 - Fall 16	0%	JH	Town to purchase reservoir and water rights in summer 2014. Town is expected to complete design and permitting in February 2016 with construction to occur that summer.
49 - WISE Project - EECV Pipeline Purchase								\$2,227,050
49a	Cottonwood W&S Dist - C150408A (CT2015-102)	Douglas/ Arapahoe	\$381,780		Fall 14 - Spring 15	79%	DRJ	

Design and Construction – Summary

Loan Program
Attachment 3

Contract Borrower		County	Loan Amount	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
49b	Inverness W&S Dist - C150409A (CT2015-117)	Douglas/ Arapahoe	\$1,845,270		Fall 14 - Spring 15	0%	DRJ	
50 - WISE Project - Phase 1 Infrastructure								\$16,802,501
50a	Cottonwood W&S Dist - C150408B (CT2015-106)	Douglas/ Arapahoe	\$2,636,100		Spring 15 - Fall 19	0%	DRJ	
50b	Inverness W&S Dist - C150409B (CT2015-118)	Douglas/ Arapahoe	\$1,181,700		Spring 15 - Fall 19	0%	DRJ	
50c	Parker W&S Dist - C150410B (CT2015-108)	Douglas/ Arapahoe	\$6,785,321		Spring 15 - Fall 19	0%	DRJ	
50d	Denver SE Sub W&S Dist - C150411B (CT2015-085)	Douglas/ Arapahoe	\$6,199,380		Spring 15 - Fall 19	0%	DRJ	
51 - WISE Project - Phase 2 Infrastructure								\$7,400,078
51a	Cottonwood W&S Dist - C150408C (CT2015-105)	Douglas/ Arapahoe	\$1,127,160		Spring 15 - Fall 23	0%	DRJ	
51b	Inverness W&S Dist - C150409C (CT2015-119)	Douglas/ Arapahoe	\$1,427,130		Spring 15 - Fall 23	0%	DRJ	
51c	Parker W&S Dist - C150410C (CT2015-109)	Douglas/ Arapahoe	\$3,418,658		Spring 15 - Fall 23	0%	DRJ	
51d	Denver SE Sub W&S Dist - C150411C (CT2015-086)	Douglas/ Arapahoe	\$1,427,130		Spring 15 - Fall 23	0%	DRJ	
52 - WISE Project - DIA Connection								\$2,372,490
52a	Cottonwood W&S Dist - C150408D (CT2015-104)	Douglas/ Arapahoe	\$363,600		Spring 14 - Fall 23	11%	DRJ	
52b	Inverness W&S Dist - C150409D (CT2015-120)	Douglas/ Arapahoe	\$454,500		Spring 14 - Fall 23	0%	DRJ	No Inverness Request for Reimb received.
52c	Parker W&S Dist - C150410D (CT2015-110)	Douglas/ Arapahoe	\$1,099,890		Spring 14 - Fall 23	11%	DRJ	
52d	Denver SE Sub. W&S Dist - C150411D (CT2015-087)	Douglas/ Arapahoe	\$454,500		Spring 14 - Fall 23	11%	DRJ	

Projects Under Contract SubTotal = \$123,106,011

Design and Construction – Summary

Loan Program
Attachment 3

Approved Projects - Not Under Contract							Status Description/Update
Contract Borrower	County	Loan Amount	Design Status	Const. Start/End	Const. Status	PM	
a Chattfield Reallocation Project - Storage Purchase > Castle Pines MD - C150403A > Castle Pines North MD - C150404A > Centennial W&S Dist - C150405A > Center of CO WCD - C150406A > Central CO WCD - C150407A	Arapahoe Douglas Park Weid	\$9,549,247	In Contracting			JH	
b Chattfield Reallocation Project - Phase 1 Mitigation > Castle Pines MD - C150403B > Castle Pines North MD - C150404B > Centennial W&S Dist - C150405B > Center of CO WCD - C150406B > Central CO WCD - C150407B	Arapahoe Douglas Park Weid	\$54,687,763	In Contracting			JH	
c Chattfield Reallocation Project - Phase 2 Mitigation > Castle Pines MD - C150403B > Castle Pines North MD - C150404B > Centennial W&S Dist - C150405B > Central CO WCD - C150407B	Arapahoe Douglas Weid	\$19,646,520	In Contracting			JH	
d City of Cortez > Water Meter Replacement Project	Montezuma	\$858,500	In Contracting			AM	
e 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
f 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
g 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

Not Under Contract SubTotal = \$146,038,607

Grand Total = \$269,144,618

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 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	\$454,500	100%	Nov 12 - July 14	100%	JH	7/1/2014
4	Petrocco Family Limited Partnership > Water Rights Purchase C150363 (CT2015-001)	Adams/ Weid	\$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	Ti-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	Mancoos 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
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

Design and Construction – Summary

Loan Program
Attachment 3

Contract	Borrower	County	Loan Amount	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
10	Parker Water and Sanitation District >WISE - ECCV Pipeline Purchase C150410A (CT2015-107)	Douglas/ Arapahoe	\$4,426,830		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		Fall 14 - Spring 15	100%	DRJ	2/1/2015
12	Joseph W. Bowles Reservoir Company > Bowles No. 1 Dam Rehabilitation C150290 (CT2015-030)	Jefferson	\$1,703,870	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	\$2,209,597	100%	Feb 11 - May 15	100%%	JH	5/1/2015
15	Platte Valley Irrigation Company >Sand Hill Lake Outlet Works Rehabilitation CT2015-139	Weld	\$745,380	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

SubTotal = \$48,333,368

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

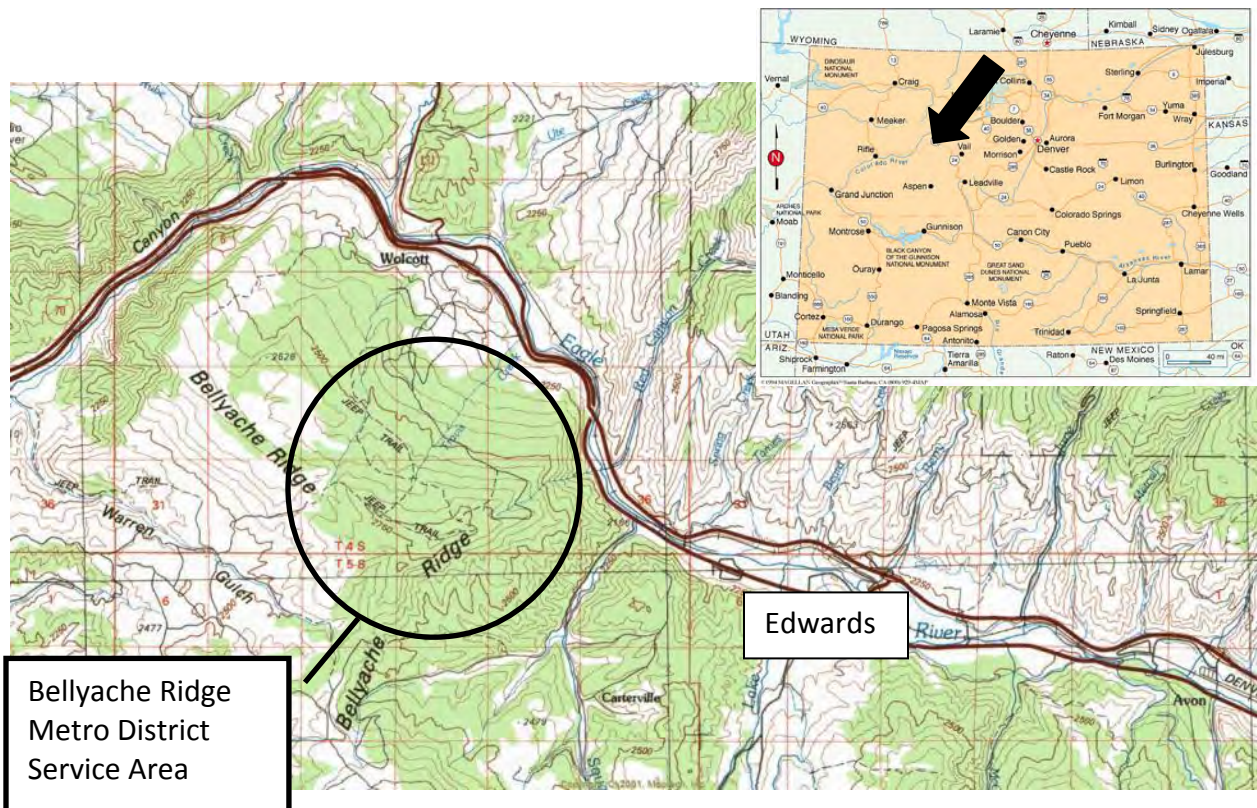
Type of Borrower: Municipal (High)

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.



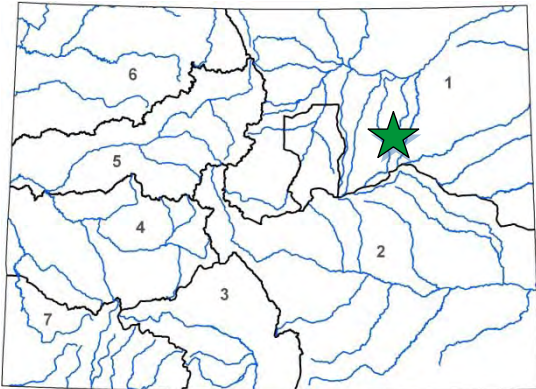


Wells #3 and #6 Replacement Project

Town of Bennett

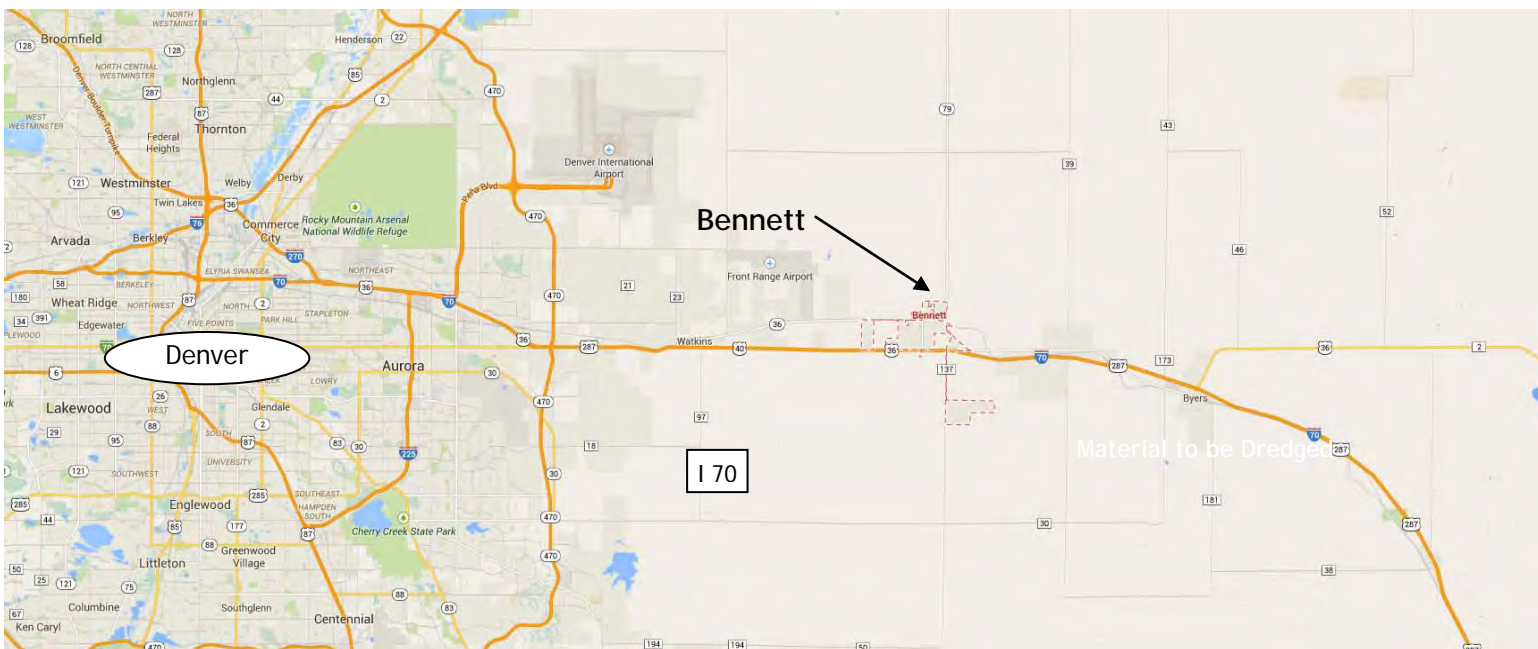
November 2014 Board Meeting

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

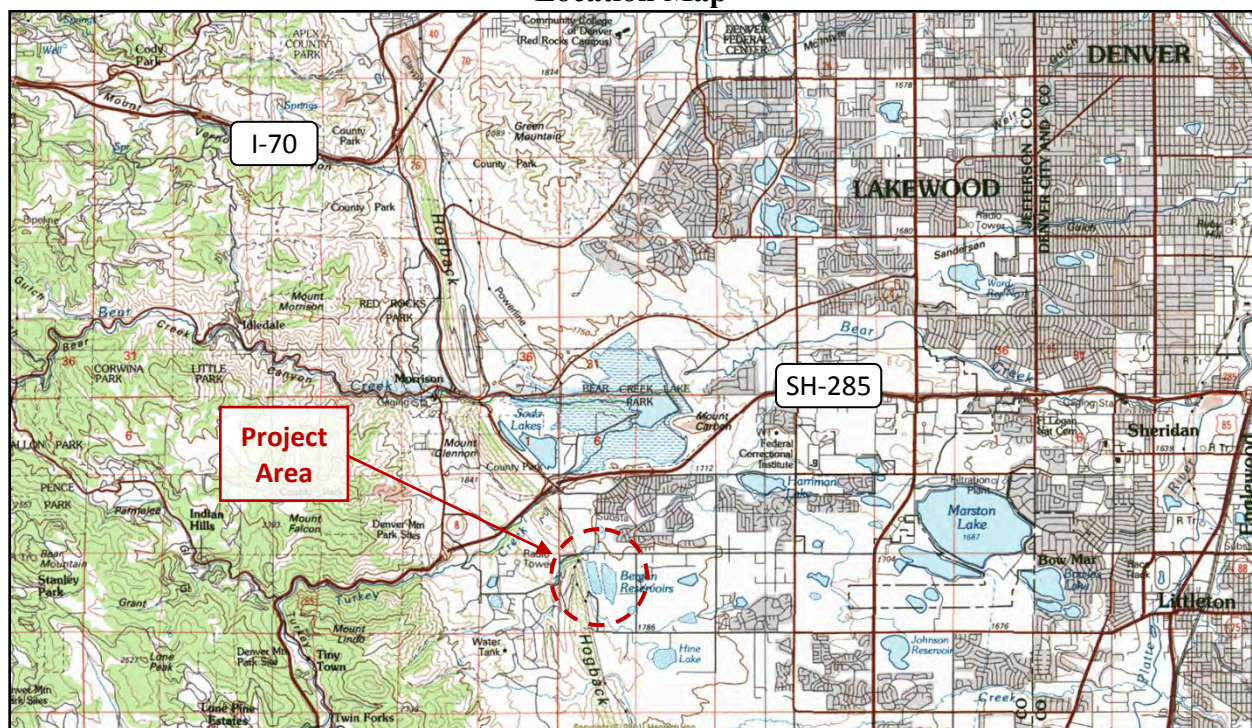


Water Project Loan Program – Project Data Sheet

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.

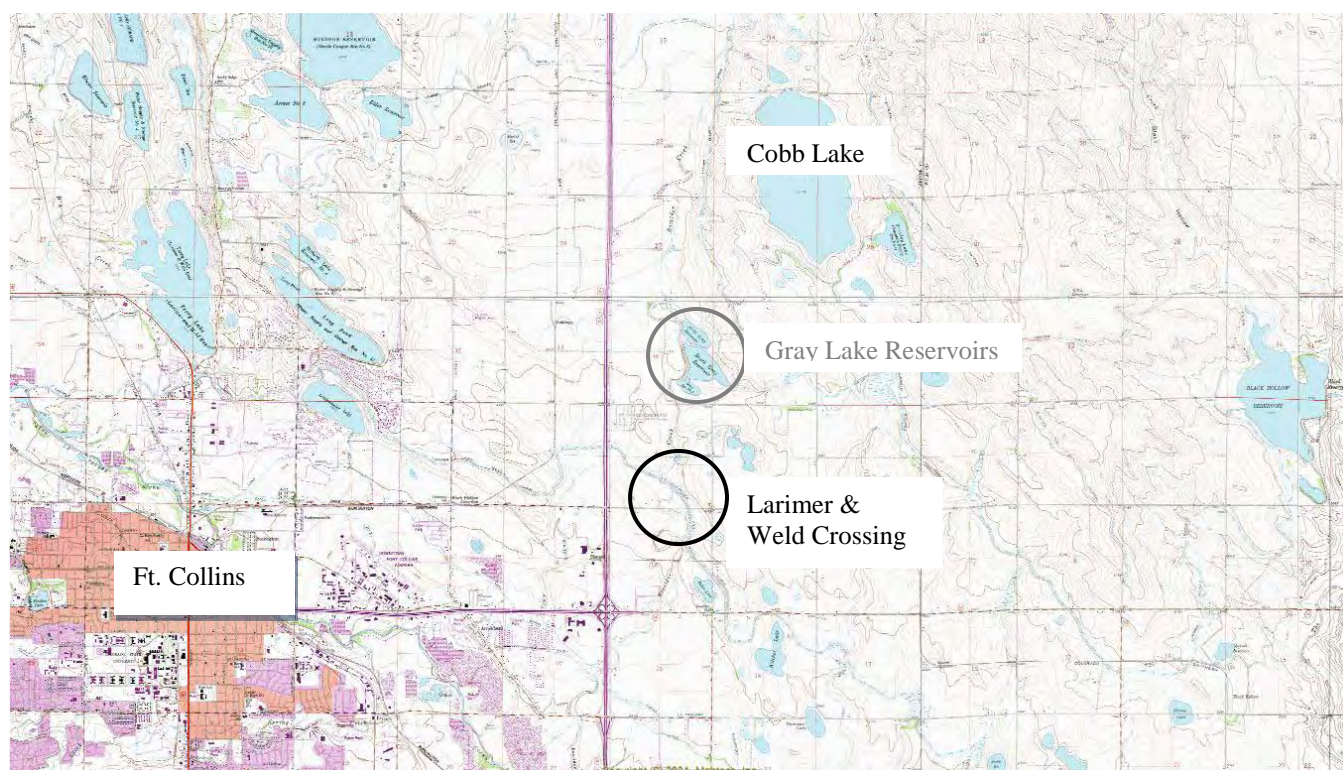
Location Map



**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

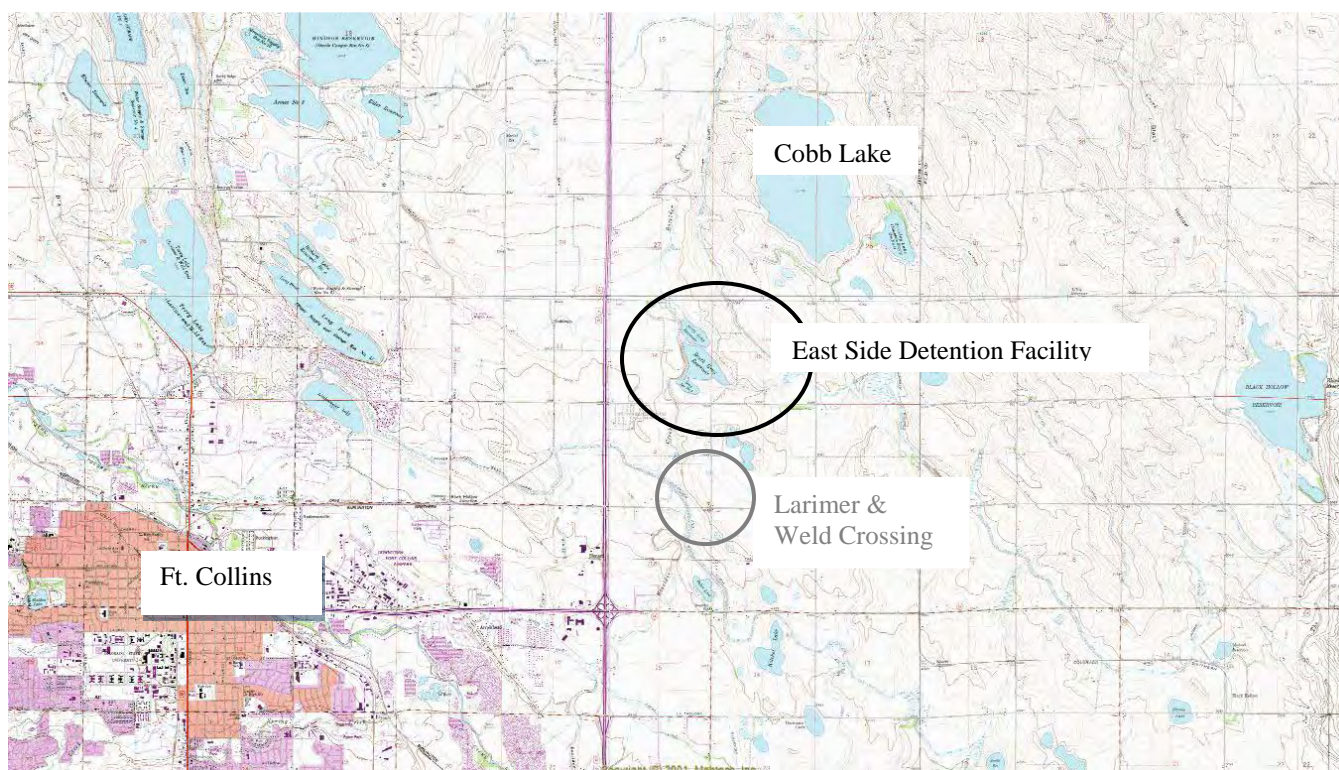
Type of Borrower: Middle Income Municipal

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

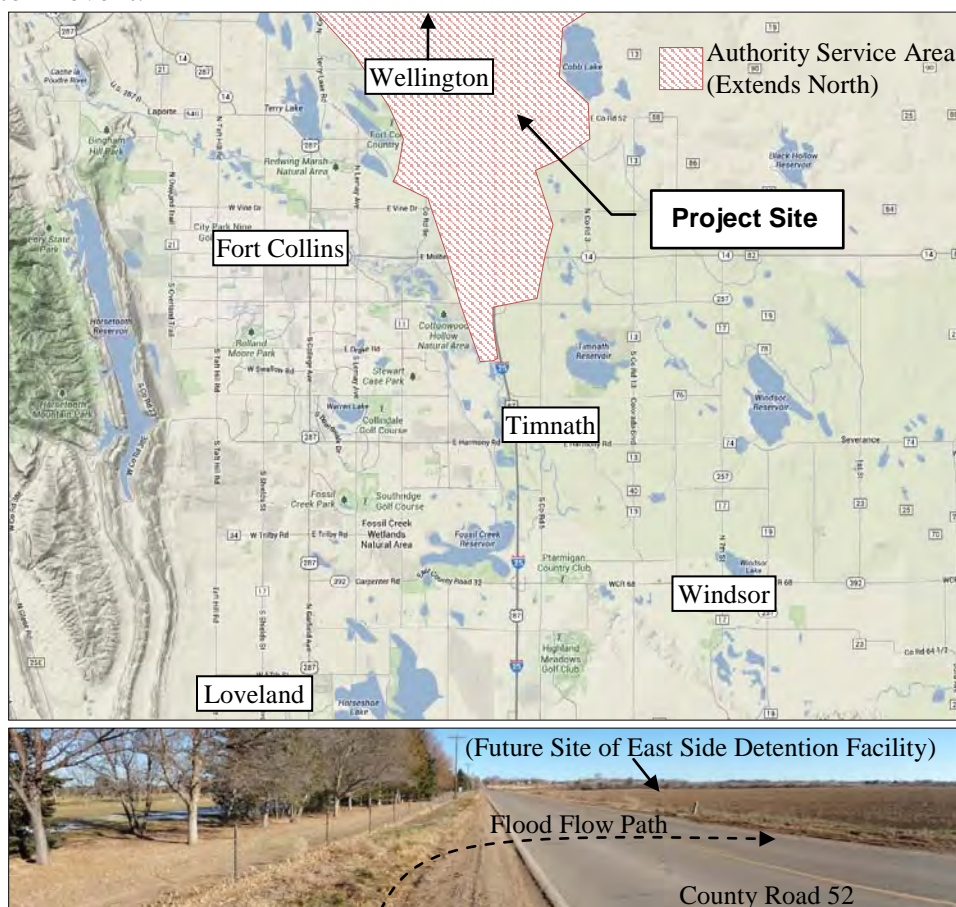
Type of Borrower: Middle Income Municipal

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.

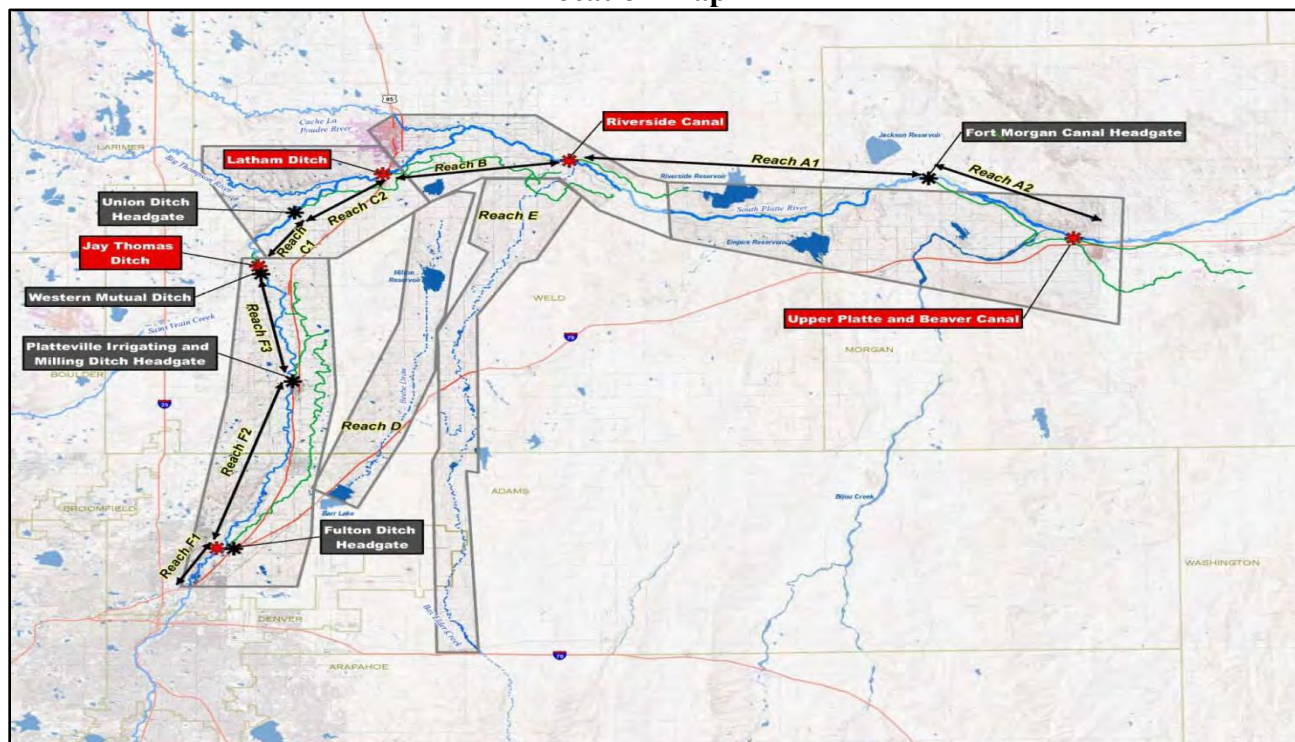


Water Project Loan Program – Project Data Sheet

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

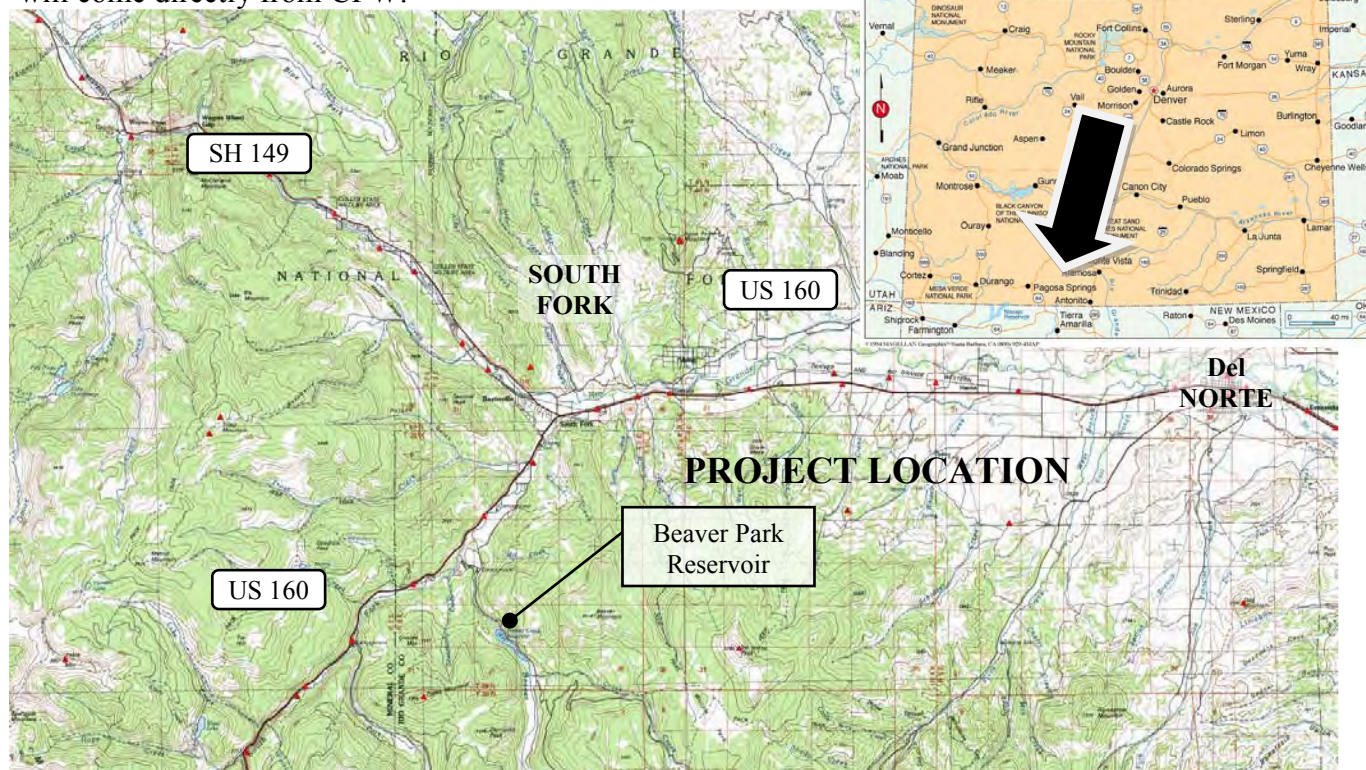
Average Annual Diversion: 4,434 AF

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.



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

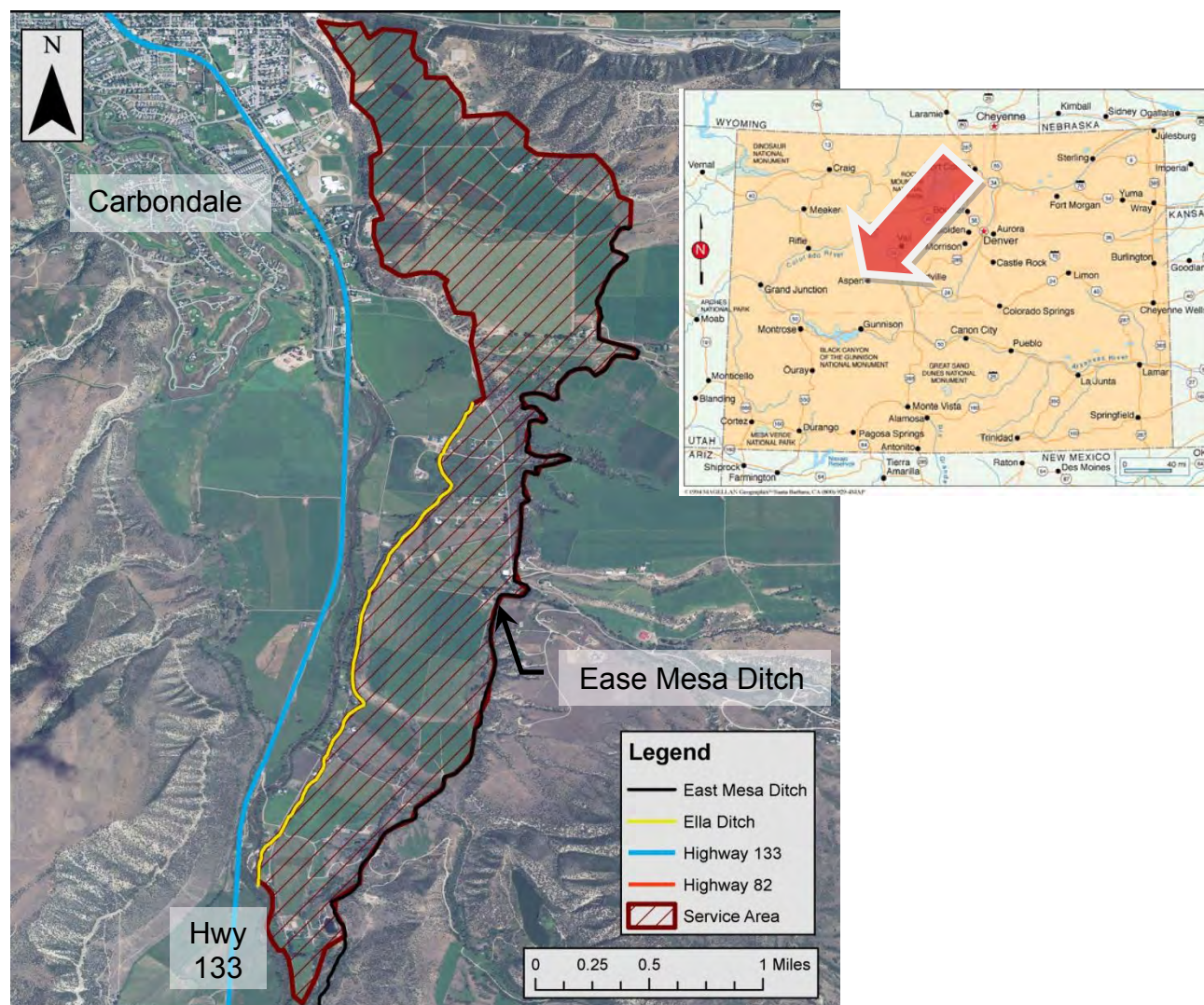
Type of Borrower: Agricultural

Average Annual Diversion: 9,669AF

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

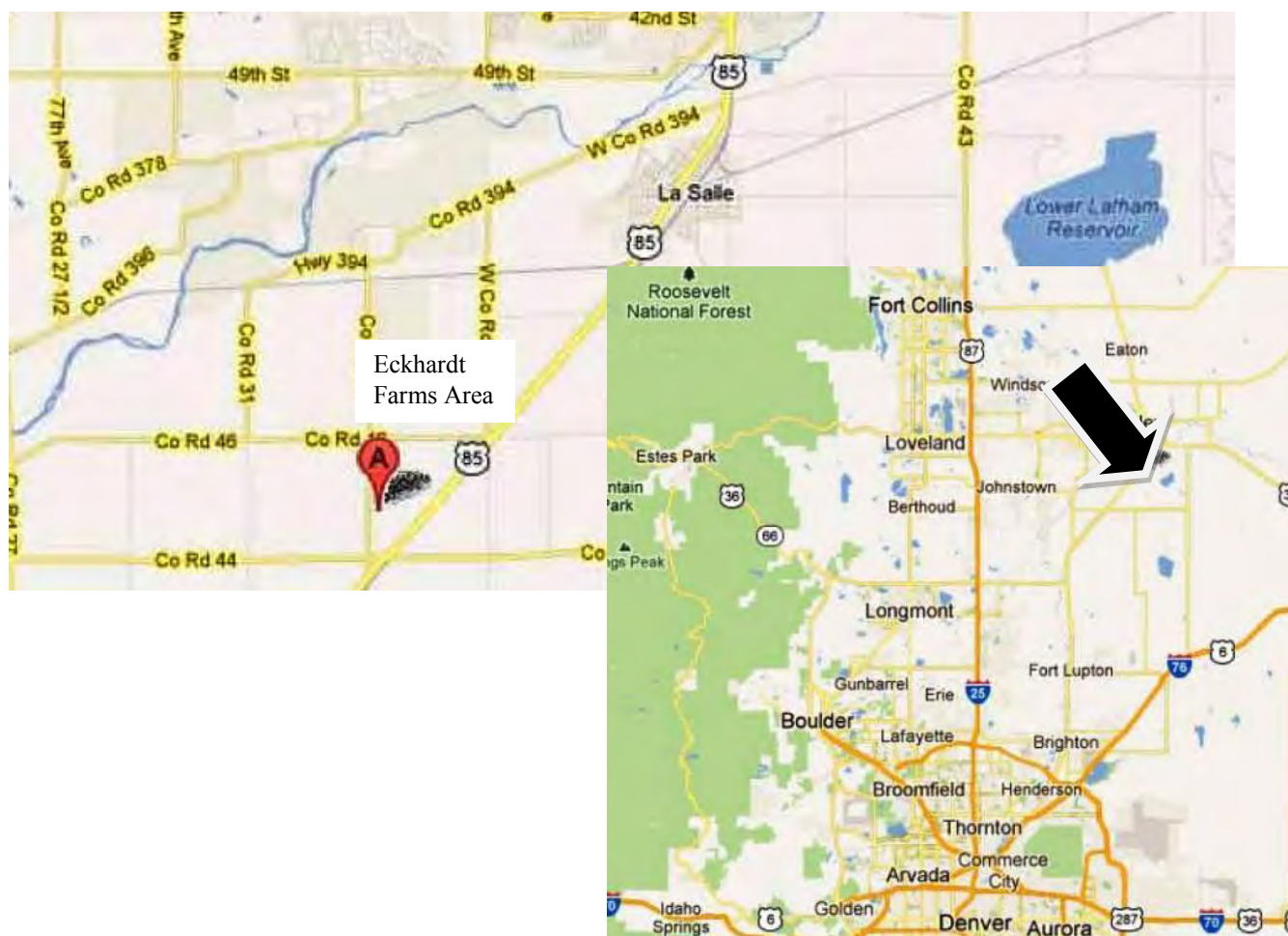
Interest Rate: 1.75% **Term:** 30yr

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

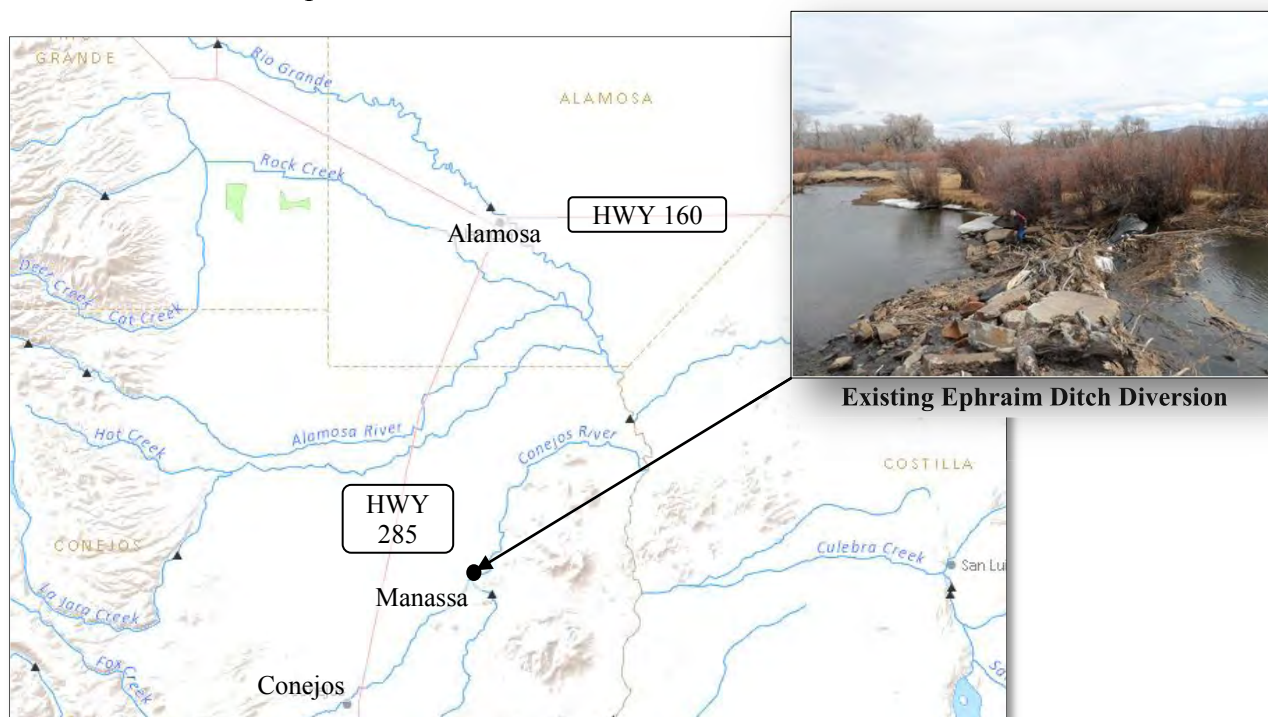
Average Annual Diversion: 4,100 AF

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.



**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

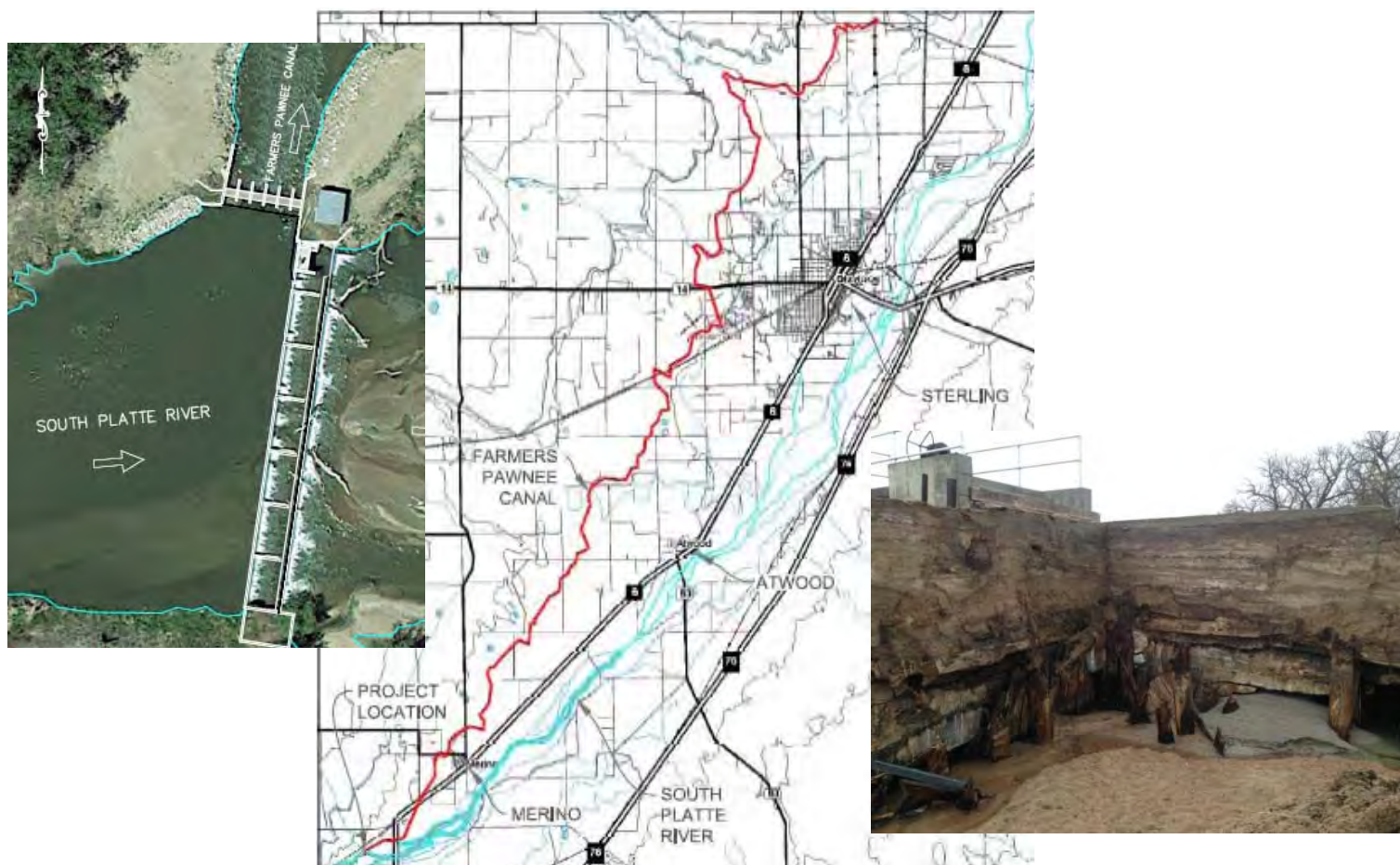
Type of Borrower: Agricultural

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

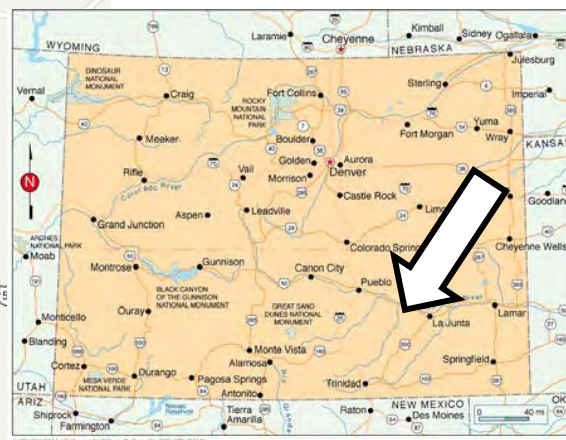
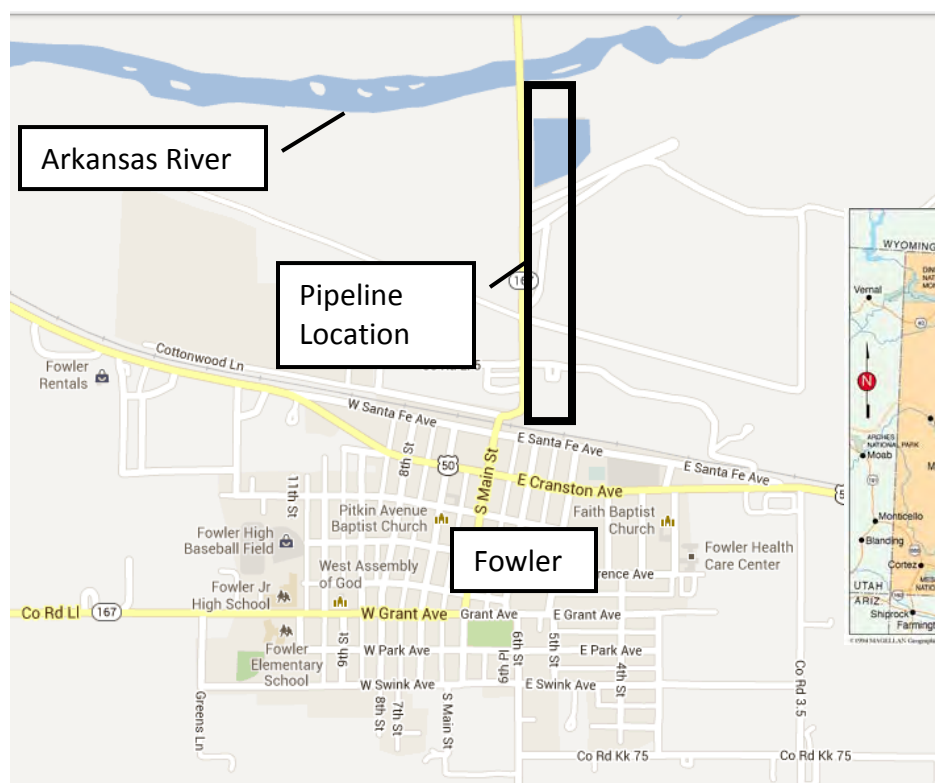
Type of Borrower: Municipal (Low)

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

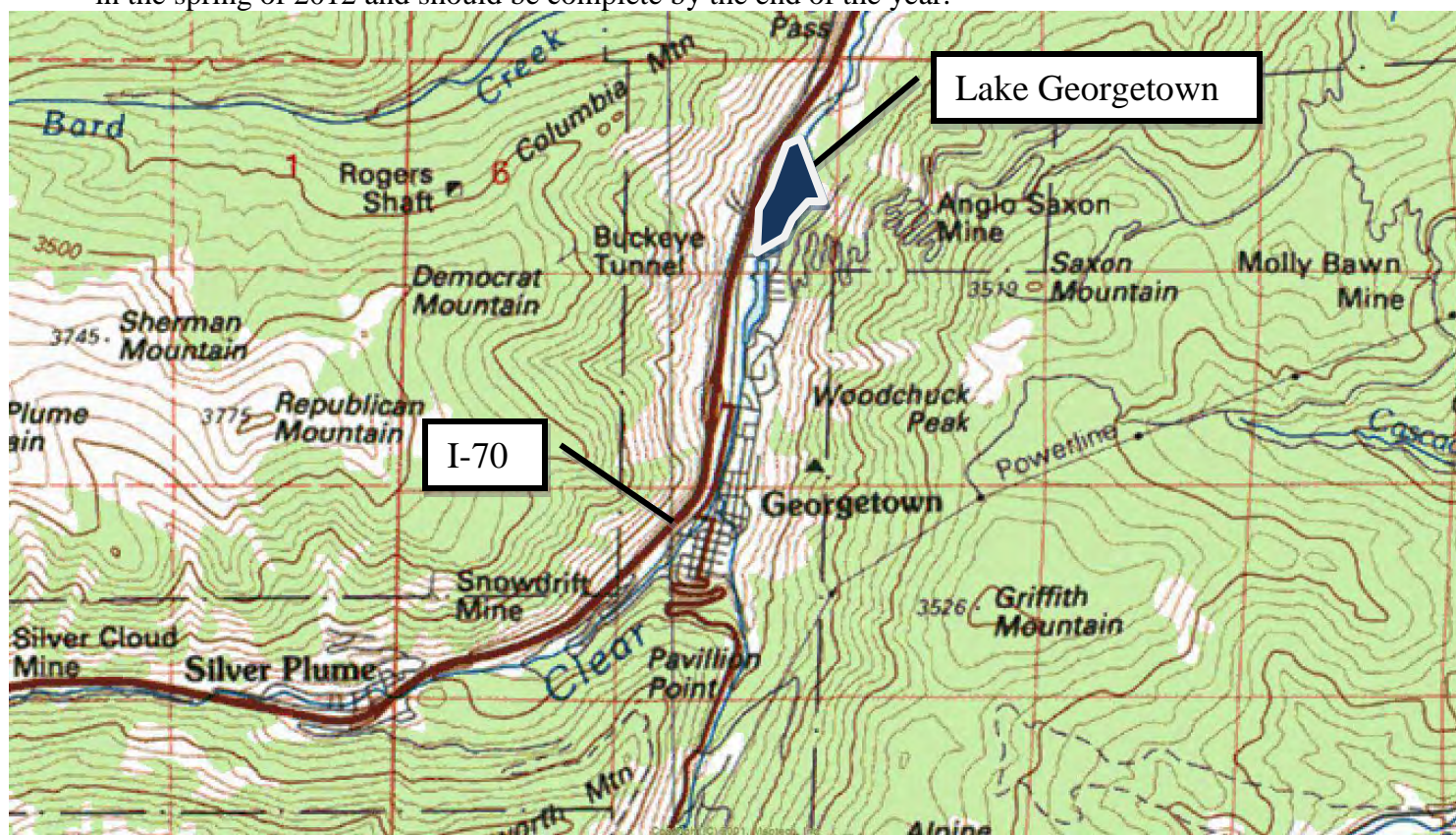
Type of Borrower: Middle-Income Municipal

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.



CWCB Water Project Loan Program Project Data Sheet

Borrower: Grand Mesa Water Conservancy District

County: Delta

Project Name: Peak Reservoir and Blanche Park Reservoir Rehabilitation

Project Type: Reservoir Rehabilitation

Drainage Basin/ District: Gunnison / 40

Water Source: Surface Creek

Total Project Cost: \$640,000

Funding Source: Construction Fund/
WSRA Gunnison Basin Funds

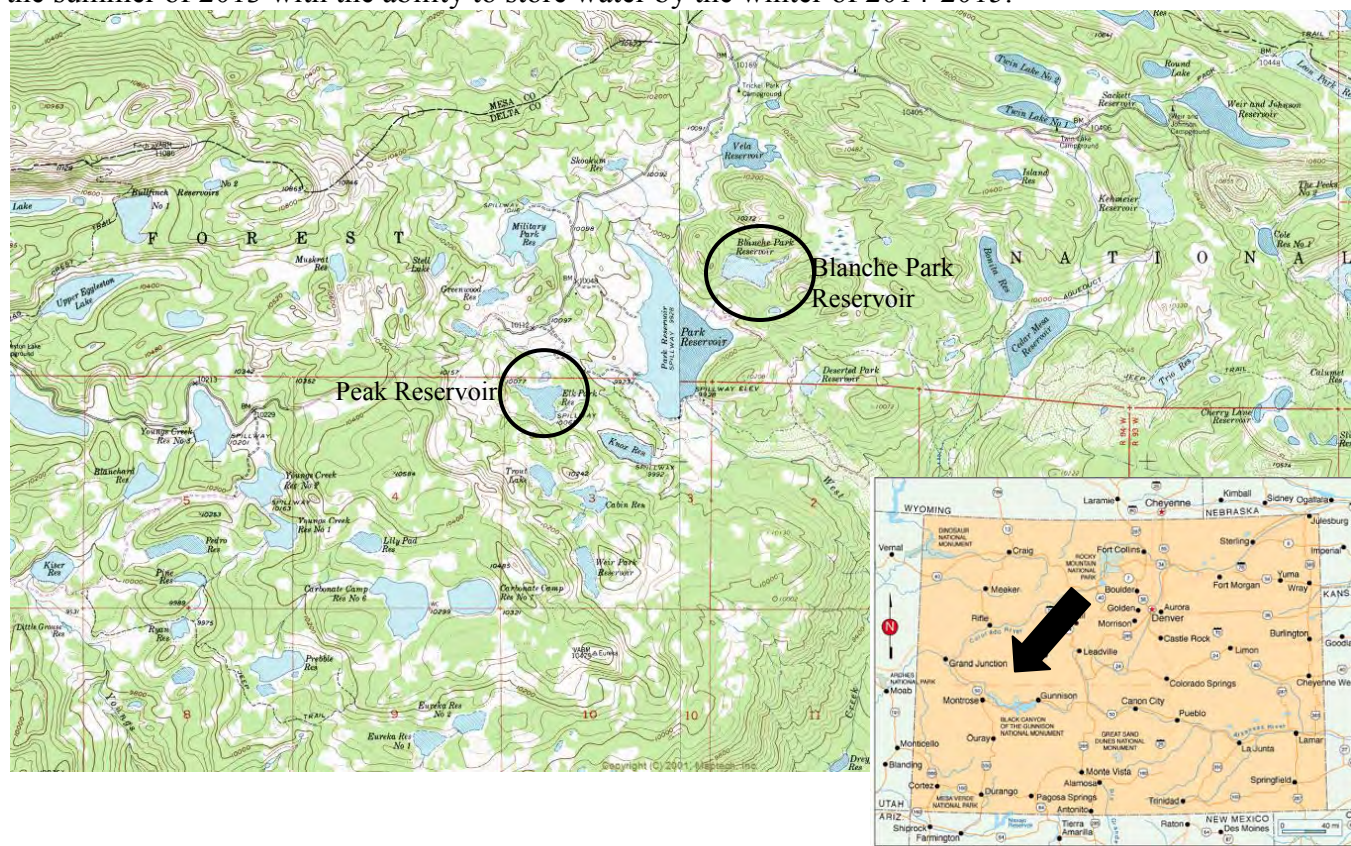
Type of Borrower: Municipal/Agricultural

Average Annual Diversion: 400 AF
Storage Added: 155 AF

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

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

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



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 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

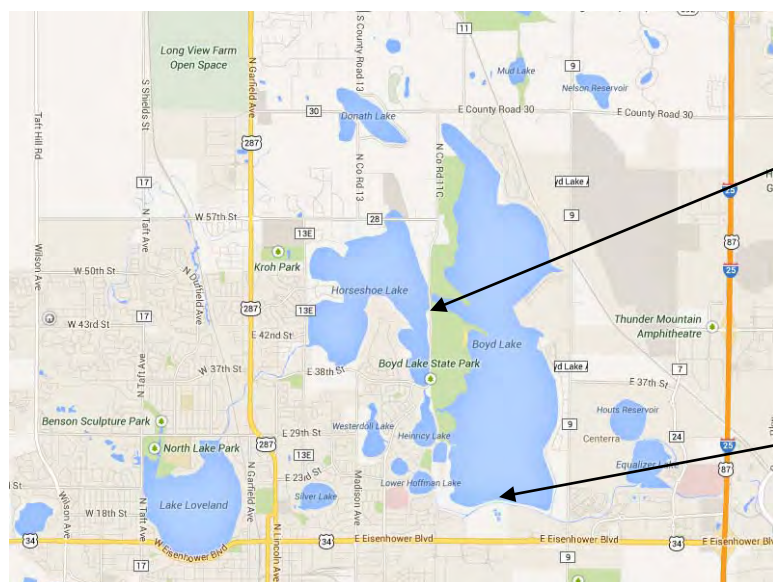
CWCB Loan: \$3,154,230
(with 1% service fee)

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

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

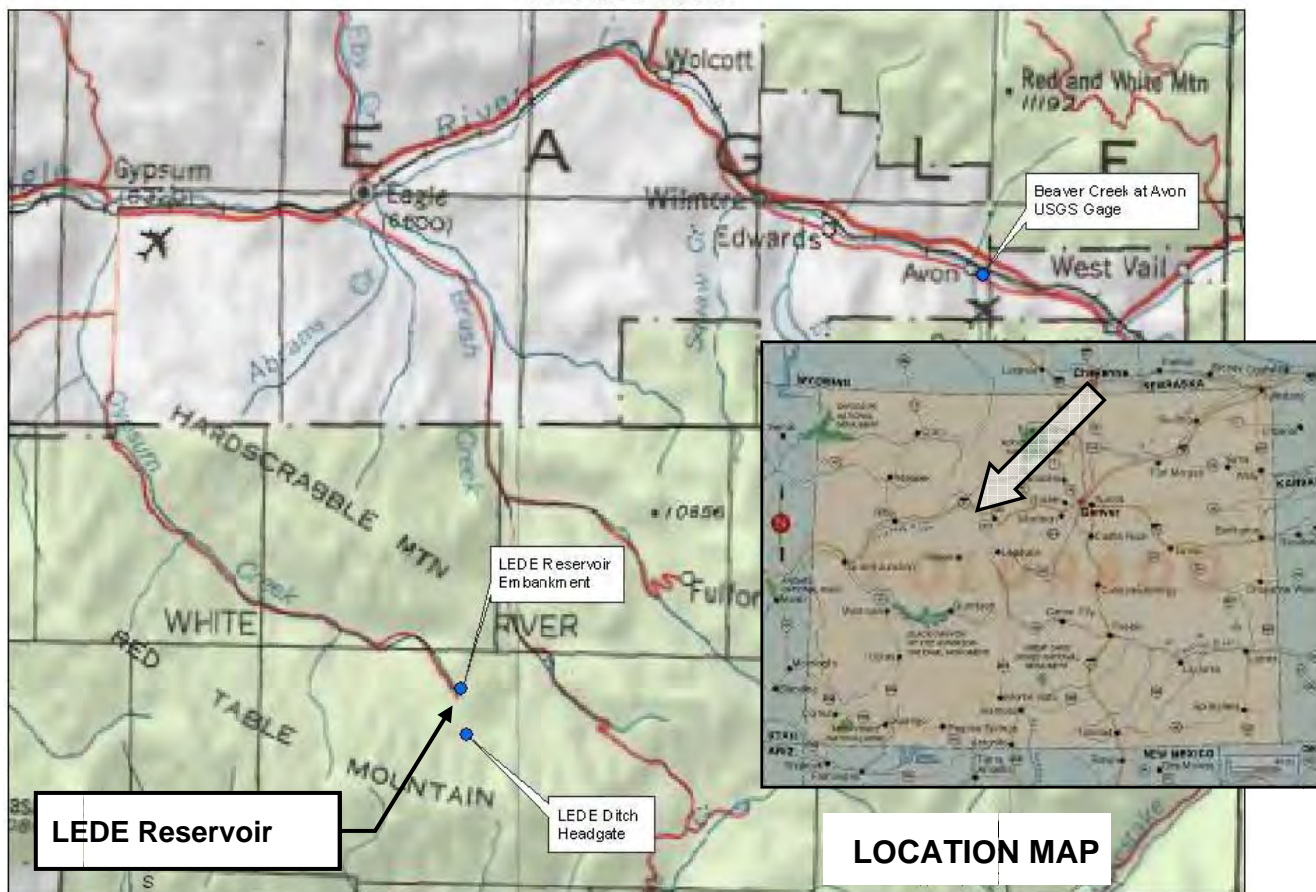
New Storage: 254 AF

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.

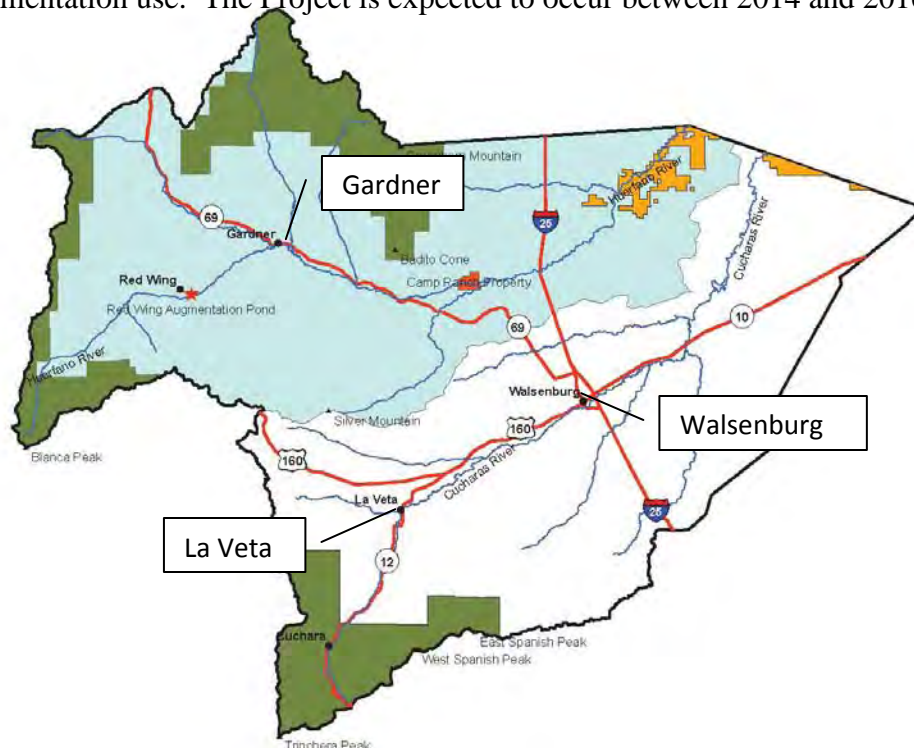
General Locations



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

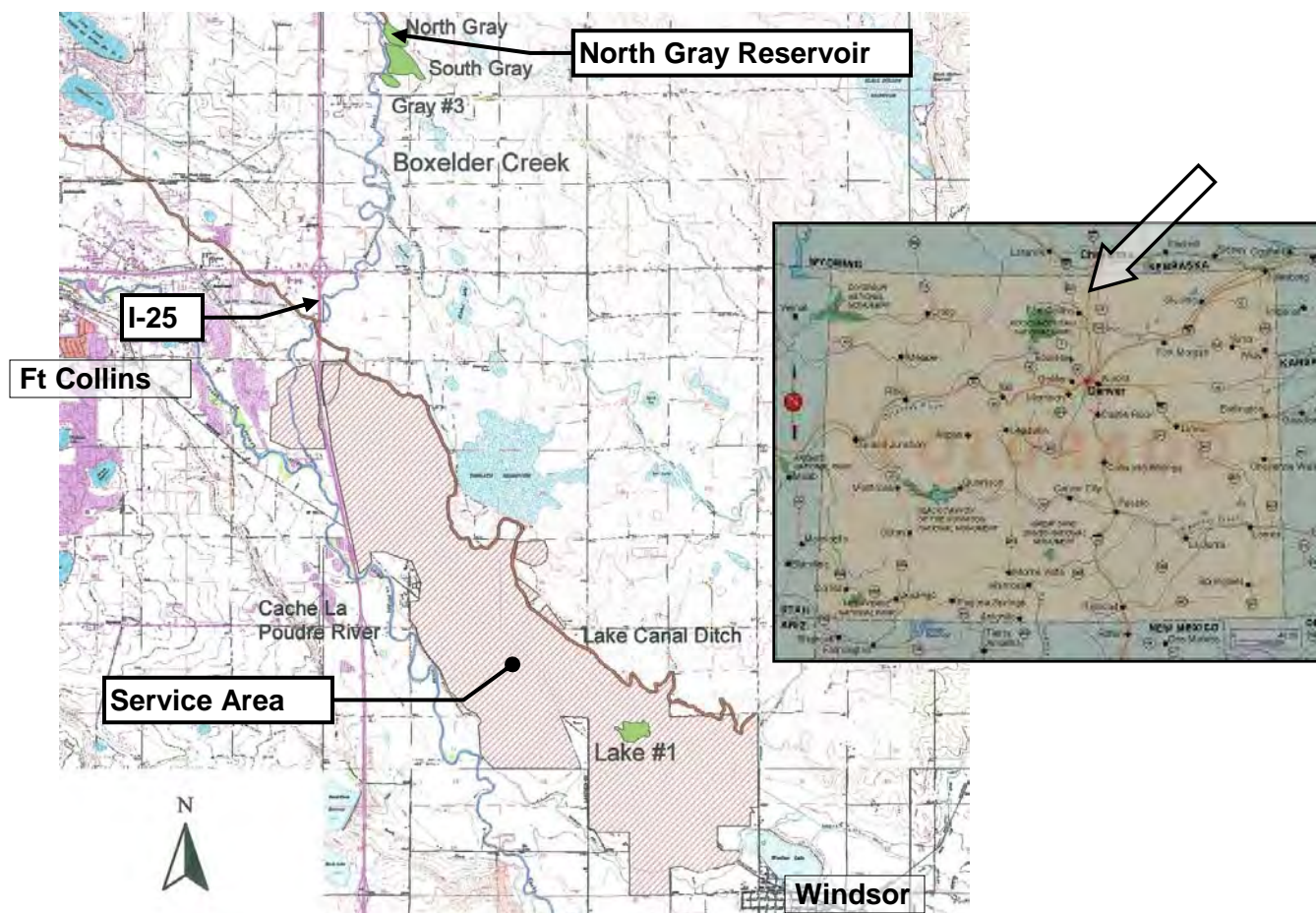
Details: 333 AF Stored
75 AF Recovered

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

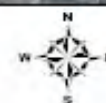
WSRA Statewide Grant: ~~\$500,000~~ **\$450,000**

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)

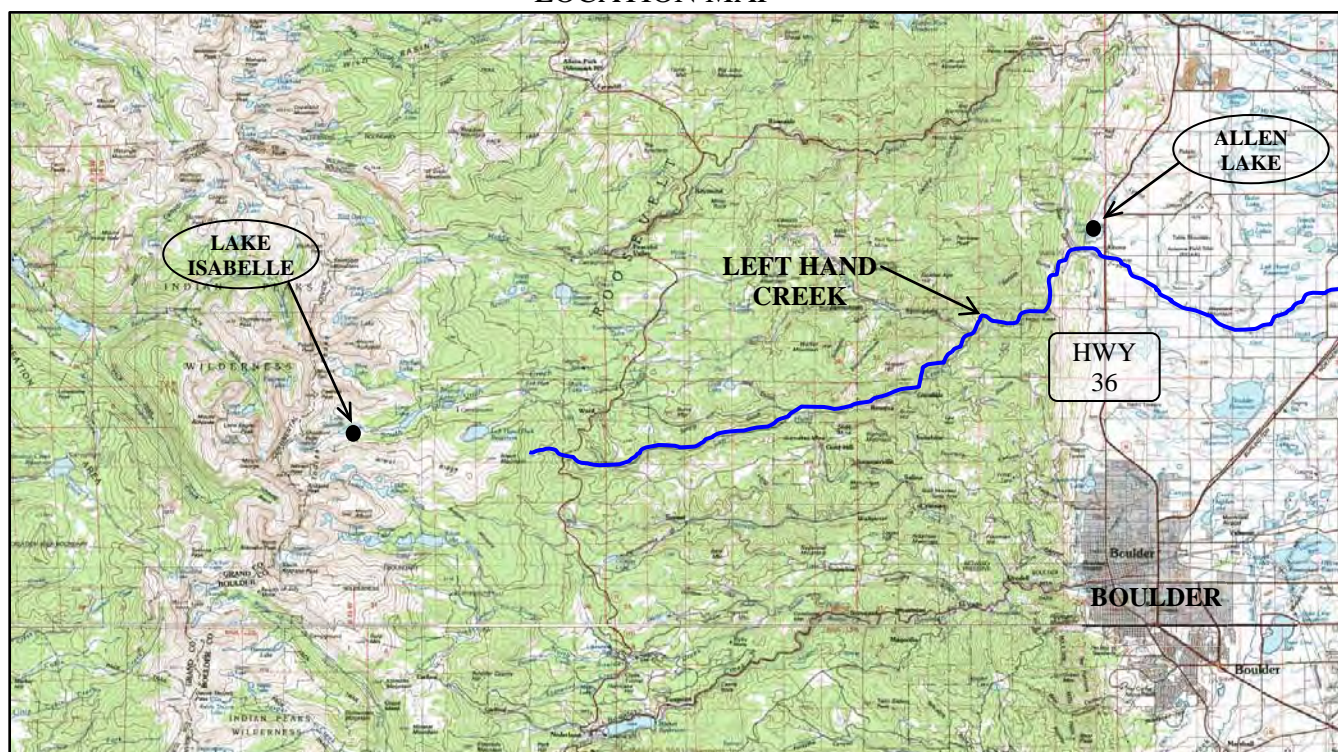
Avg. Annual Delivery: 22,700 AF

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.



**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

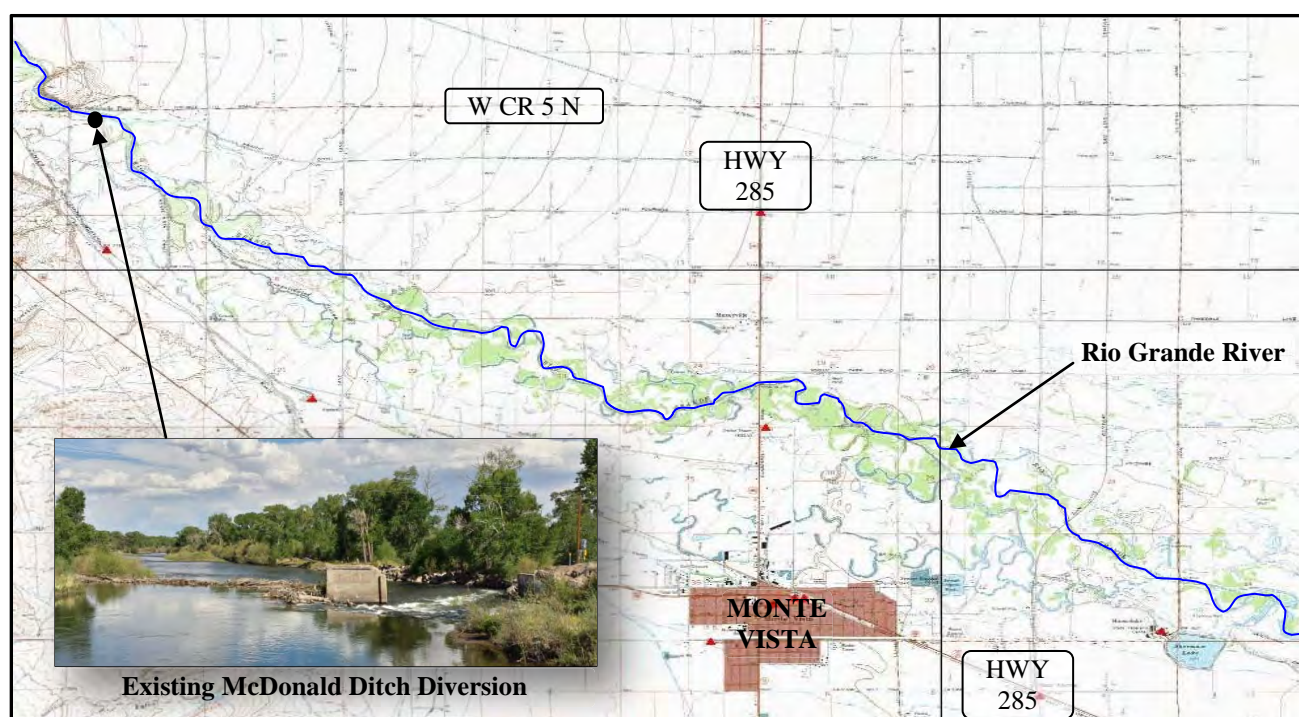
Average Annual Diversion: 45,000 AF

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

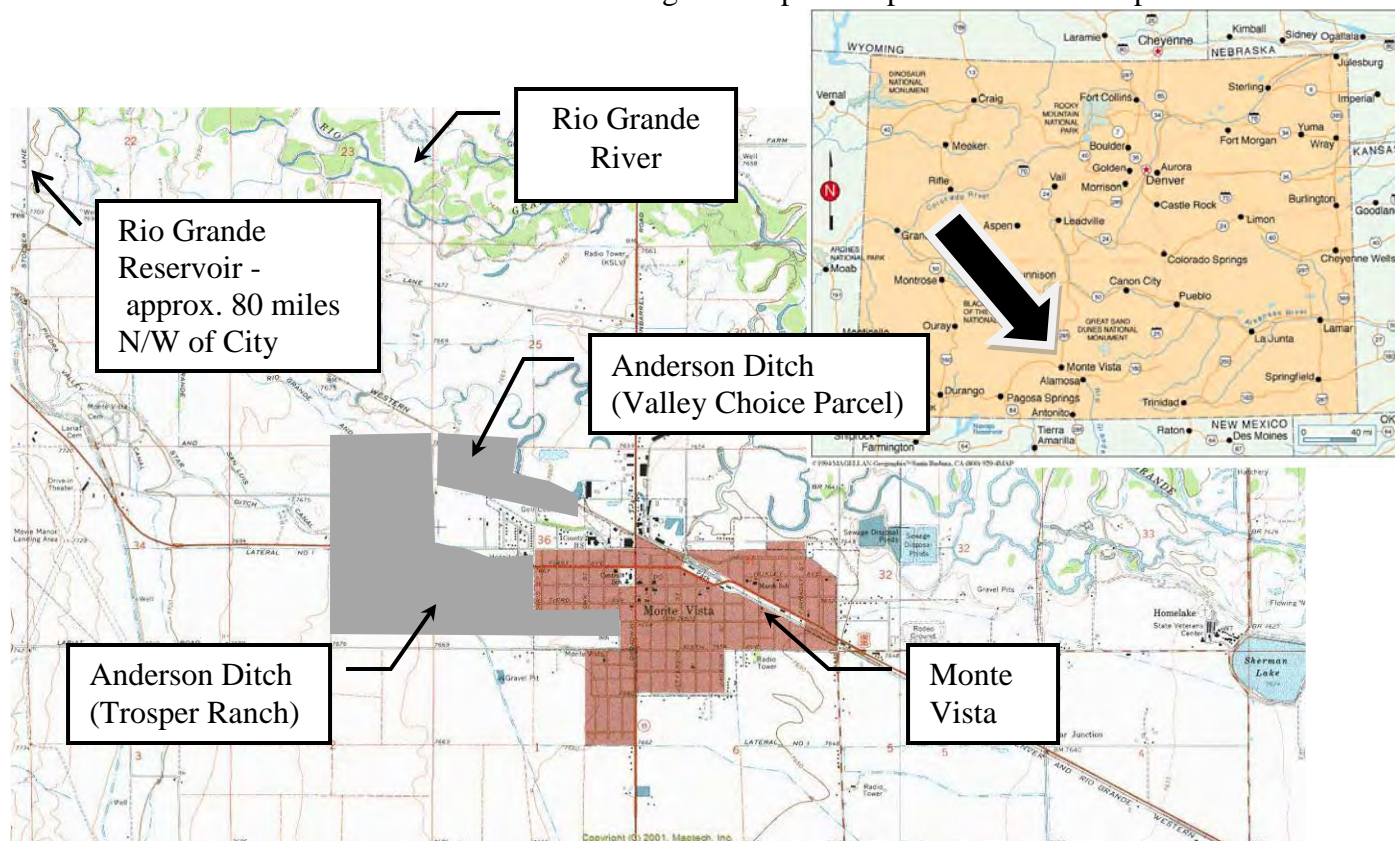
Water Source: Rio Grande River

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.



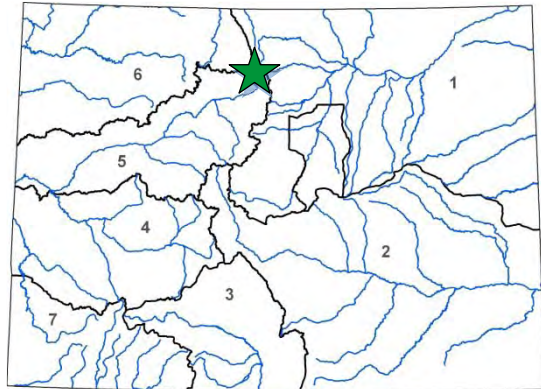
Location Map



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

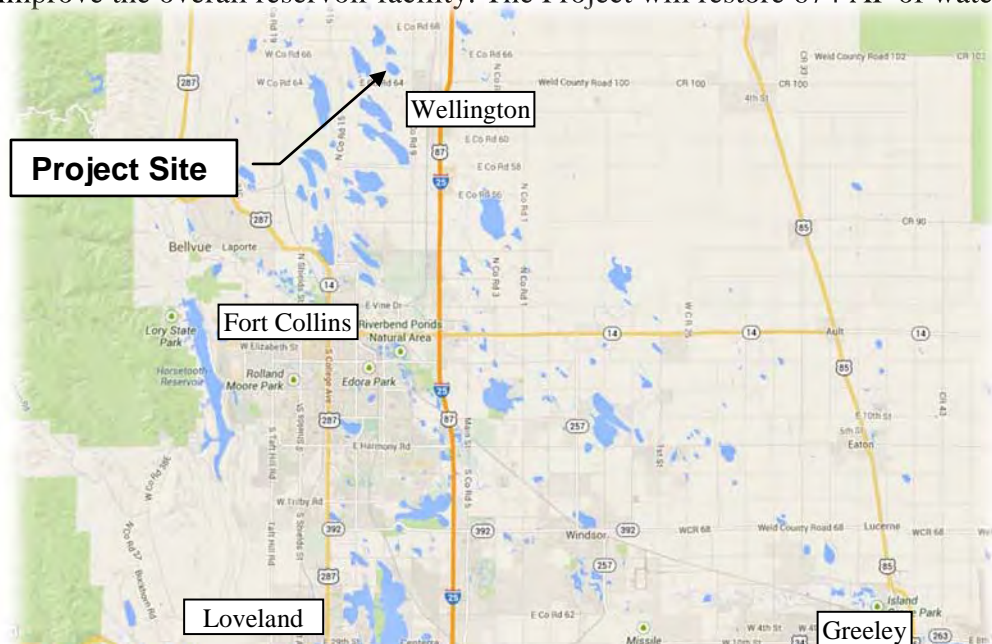
Type of Borrower: Blended

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)

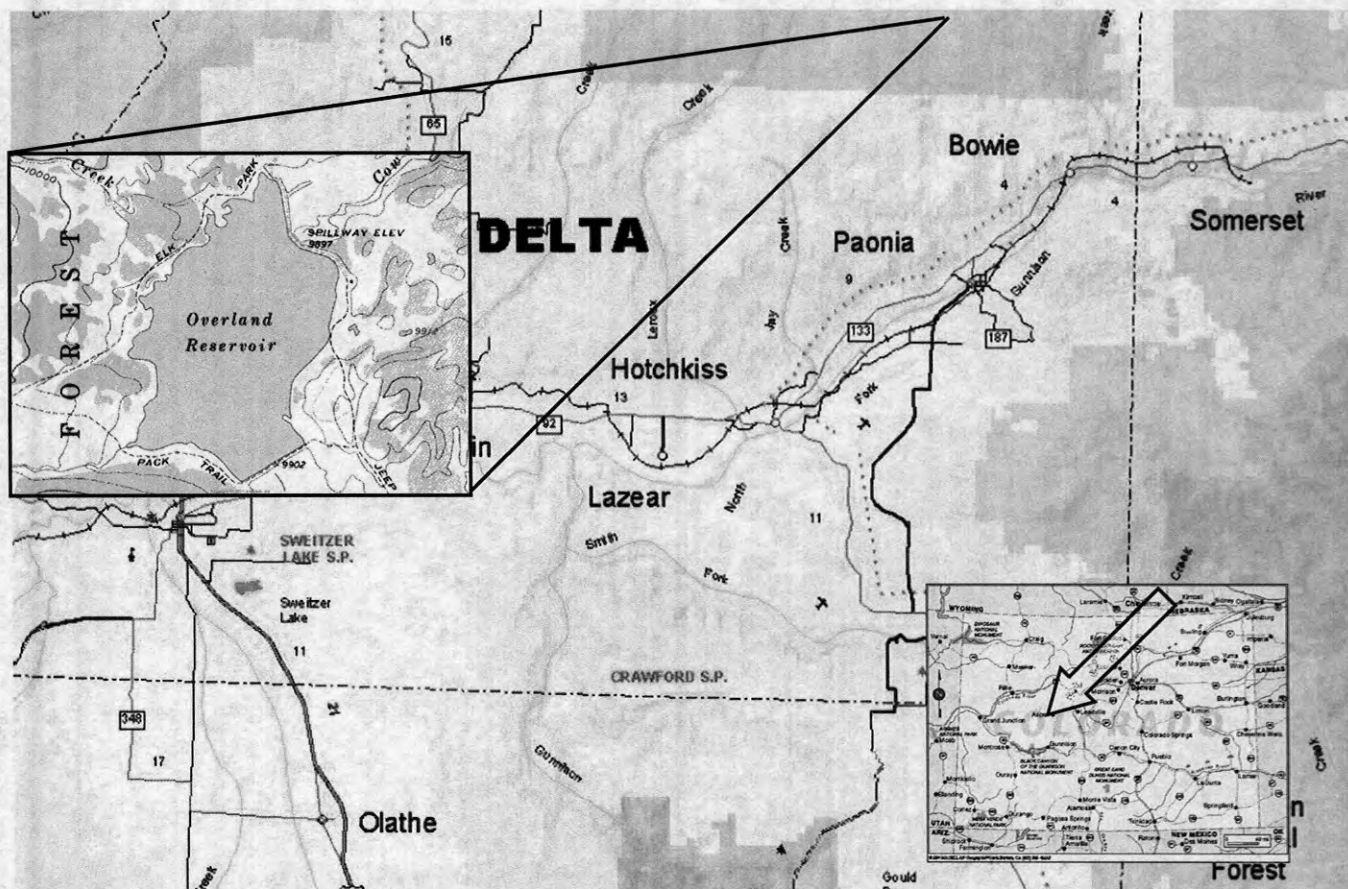
The North Poudre Irrigation Company is a mutual ditch company established in 1901. The Company's office is located in Wellington with a service area of approximately 28,000 irrigated acres of farm land. Reservoir No. 4 is an off stream reservoir constructed in the late 1880s, enlarged in the 1920s, and 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.	County: Delta
Project Name: Overland Reservoir Enlargement	Project Type: Reservoir Enlargement
Drainage Basin: Gunnison River Basin	Water Source: Cow Creek
Total Project Cost: \$1,255,555	Funding Sources: CWCB & Local Bank
Type of Borrower: Agricultural	Average Delivery: 17,000 acre-feet
Loan Amount: \$1,130,000	Interest Rate: 2.5% Term: 30 years

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



LOCATION MAP

Owl Creek Reservoir Company
November 20, 2001

Agenda Item 22E

WATER PROJECT CONSTRUCTION LOAN PROGRAM-PROJECT DATA

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

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

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

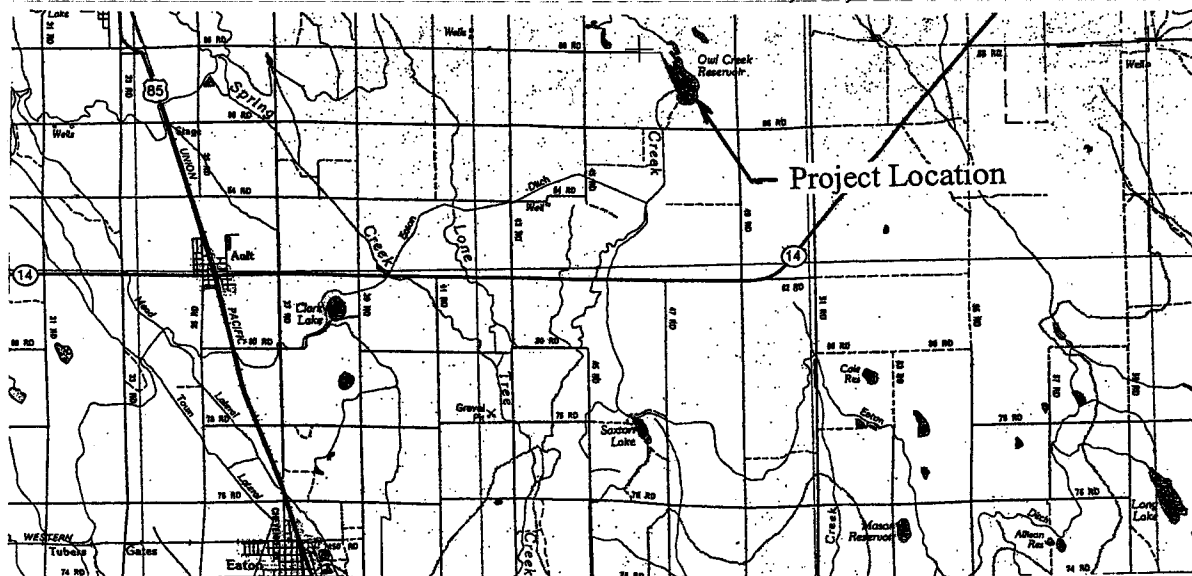
Total Project Cost: \$1,250,000 **Funding Source:** CWCB

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

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

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

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



Location Map

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

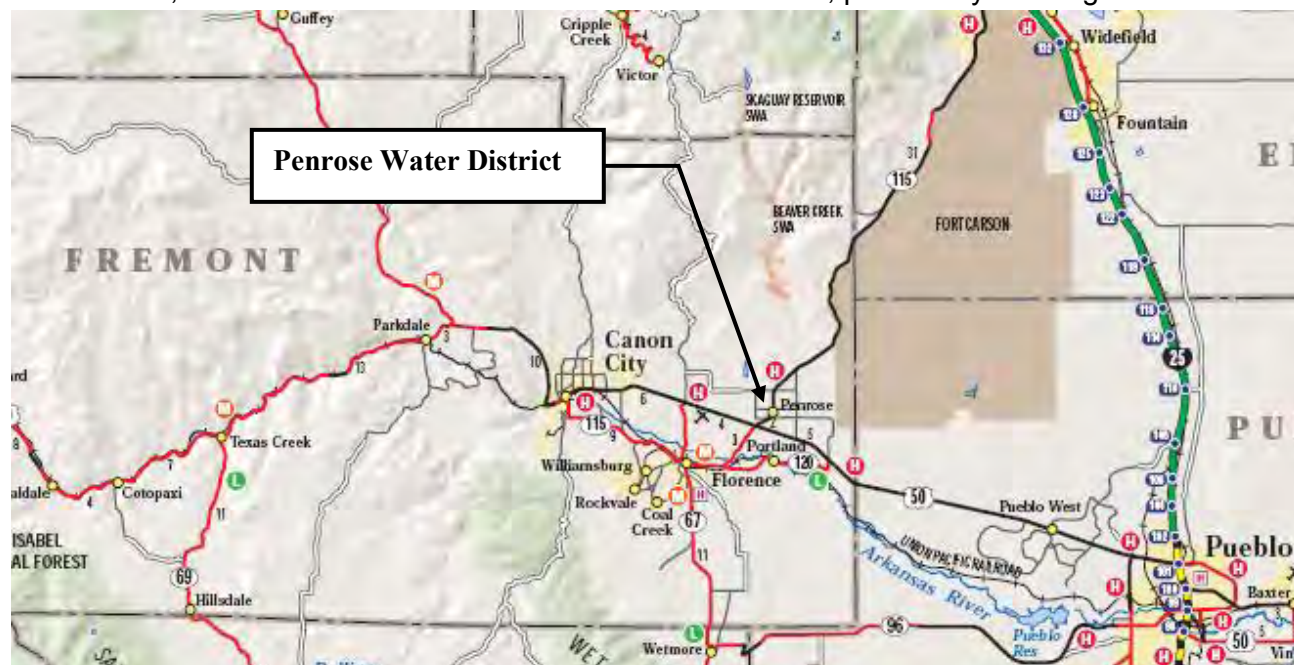
Type of Borrower: Municipal/Low

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.

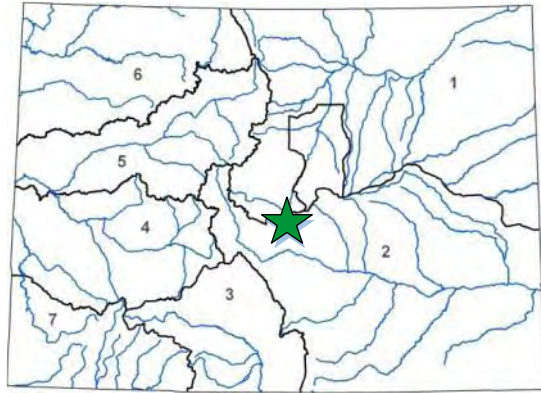


Location Map



(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

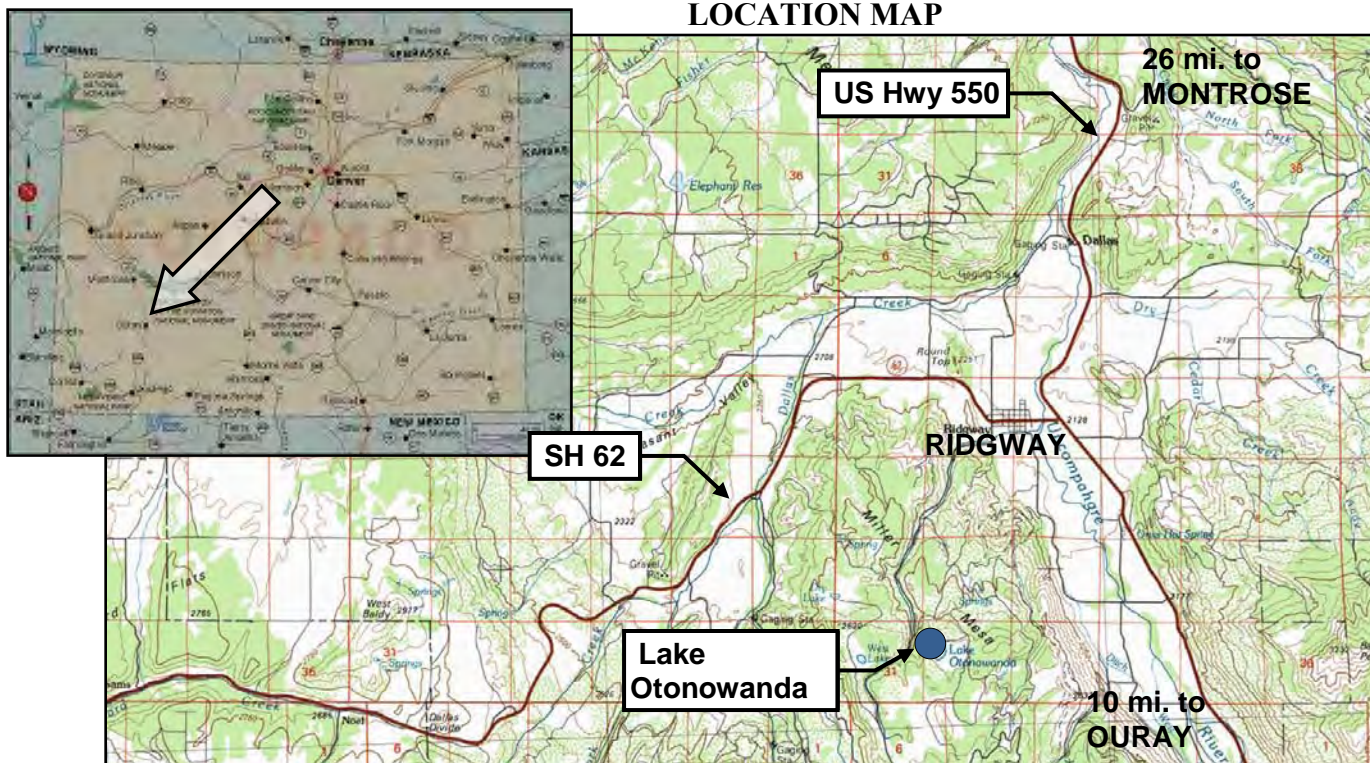
The Prairie Ditch Company is a Mutual Ditch Company formed in 1887. The Prairie Ditch diversion structure and headgate is located seven miles northwest of Monte Vista, Colorado on the Rio Grande River and has a service area of approximately 23,000 acres. The diversion and headgates were constructed in 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

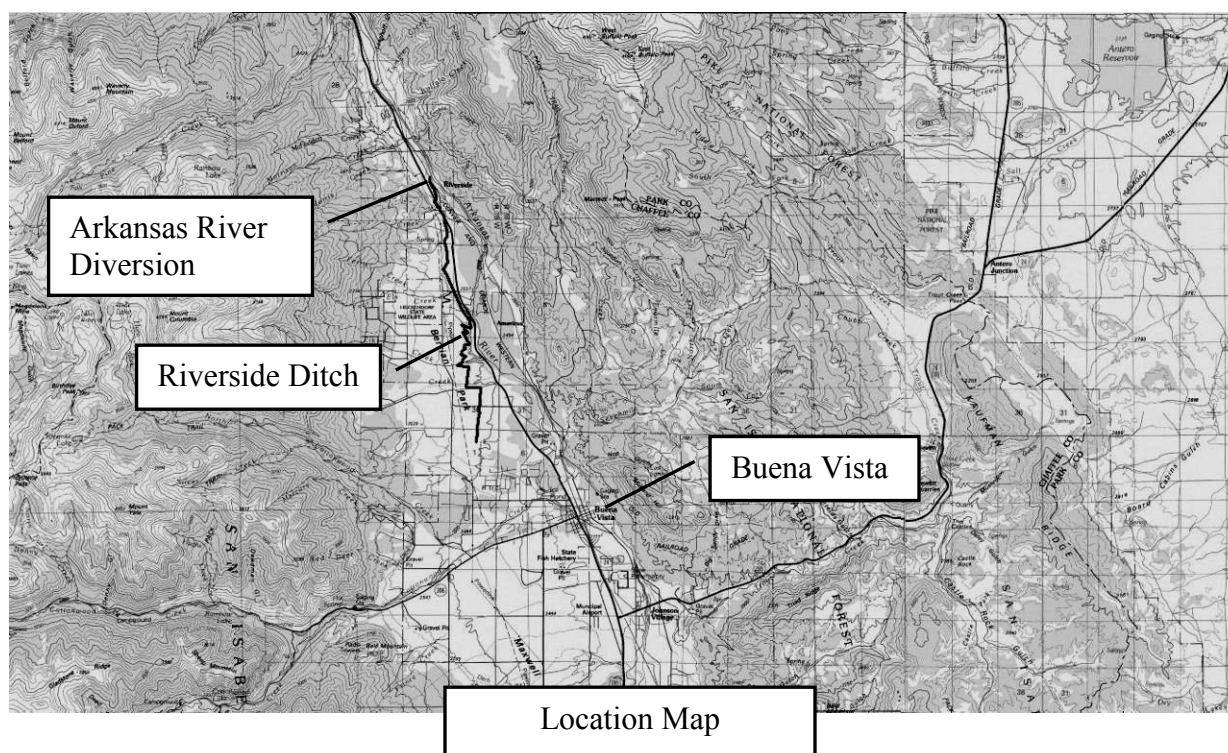
Type of Borrower: Agricultural

Average Diversion: 3,250 acre-feet

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

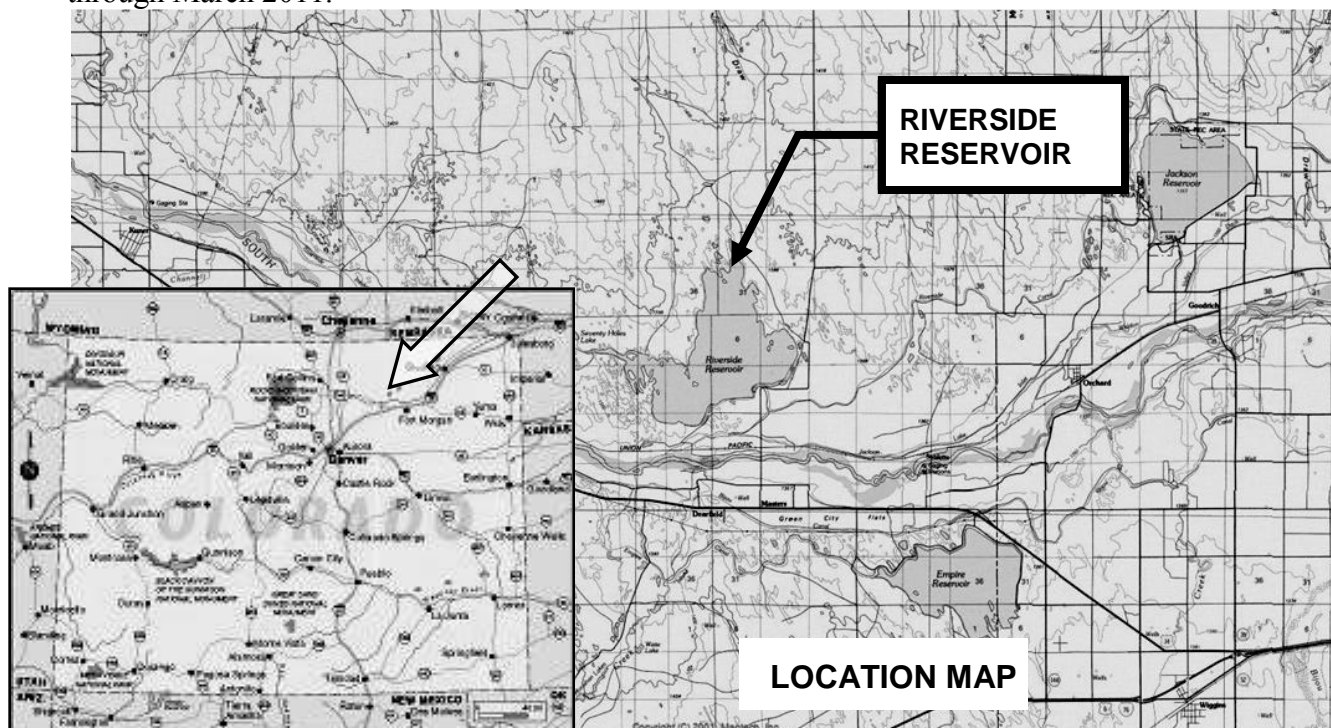
Interest Rate: 2.75% **Term:** 30 years

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

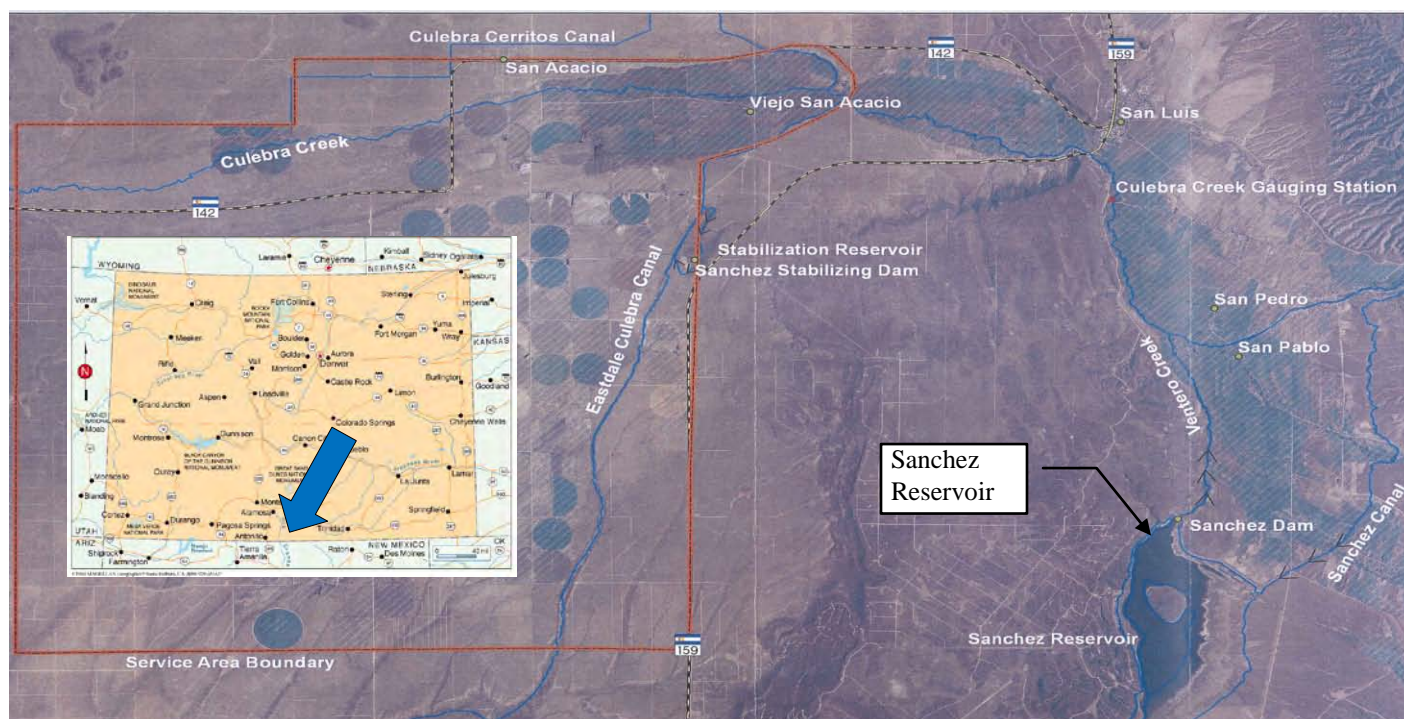
Funding Sources: Construction Fund &
WSRA (Basin & Statewide funds)

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.



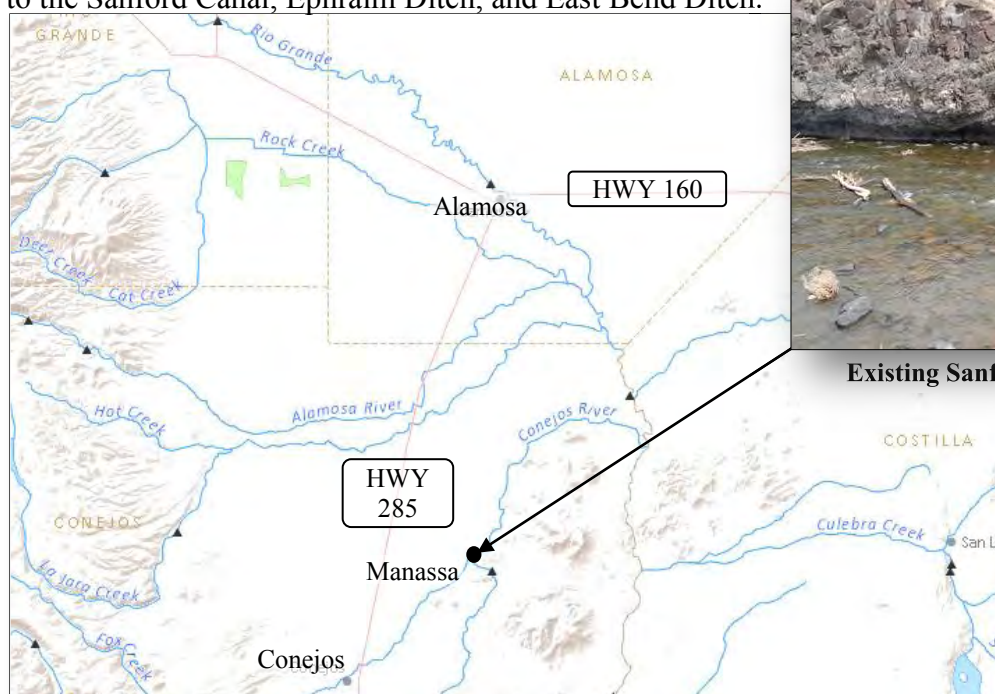
CWCW Water Project Loan Program
Project Data Sheet

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: San Luis Valley Water Conservancy District **County:** Alamosa

Project Name: Anaconda Ditch Water Right Acquisition **Project Type:** Water Rights

Drainage Basin / District: Rio Grande / 20

Water Source: Rio Grande River

Total Project Cost: \$923,000

Funding Sources: Construction Fund

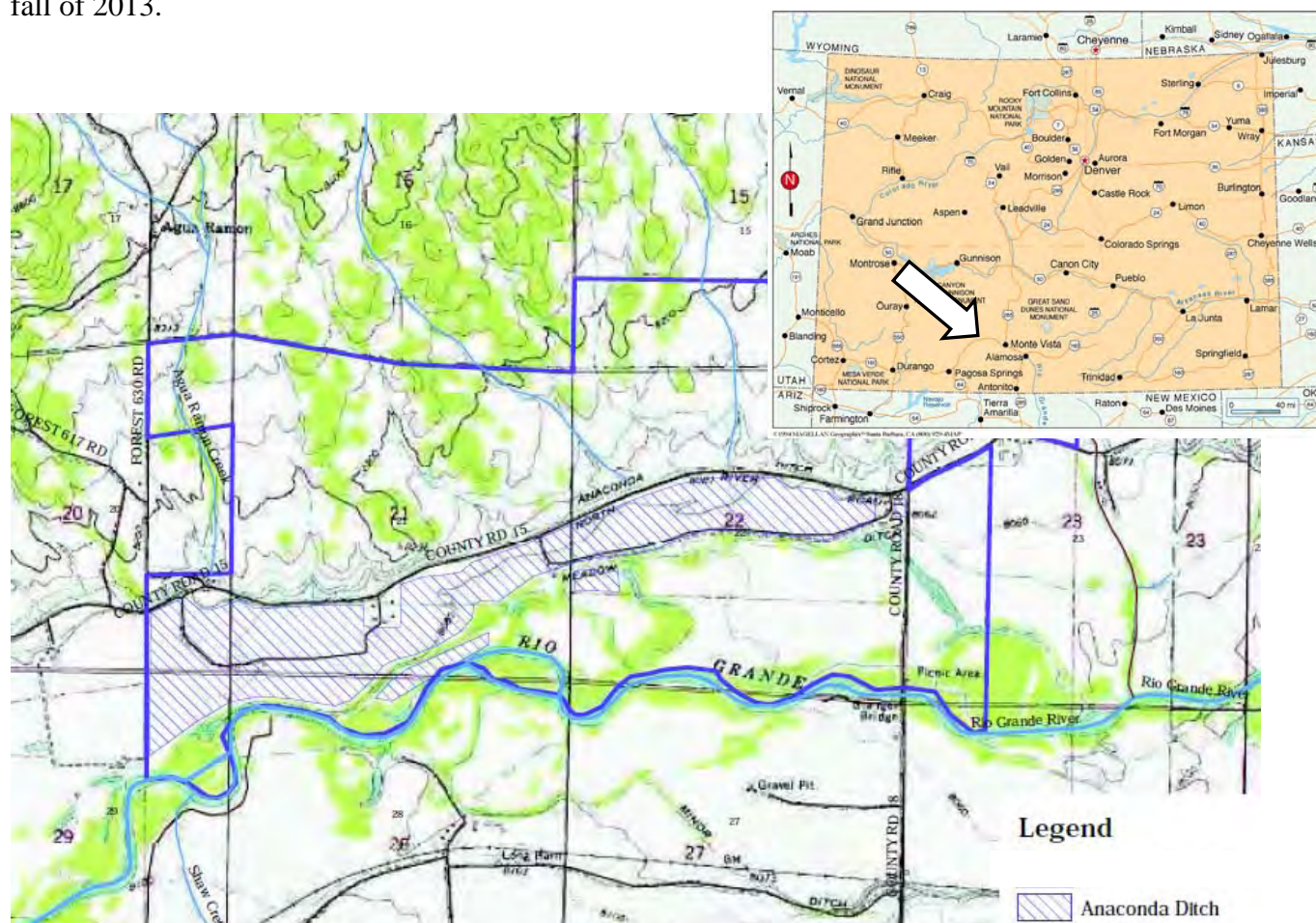
Type of Borrower: Municipal Low Income

Average Delivery: 386 acre-feet

CWCB Loan: \$839,000 (Including 1% fee)

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

The San Luis Valley Water Conservancy District (District) operates an augmentation program servicing portions of Rio Grande, Alamosa, Saguache, Hinsdale and Mineral Counties. The augmentation program was developed to offset river depletions from wells serving residential and commercial uses in the area. The District intends to acquire additional water rights to add to its existing program, including the subject of this loan request, the Anaconda Ditch water rights. The District is purchasing a 58% interest in the ditch providing an estimated 260 acre-feet. The purchase will be finalized once the water rights have been through water court. The decree is expected in the fall of 2013.



Water Project Loan Program Project Data Sheet

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.



Water Project Loan Program – Project Data Sheet

Borrower: Terrace Irrigation Company

County: Conejos

Project Name: Spillway Replacement Project

Project Type: Reservoir Rehabilitation

Drainage Basin: Rio Grande River Basin, District 21

Water Source: Alamosa River

Total Project Cost: \$4,500,000

Funding Source: Construction Fund

Type of Borrower: Agricultural

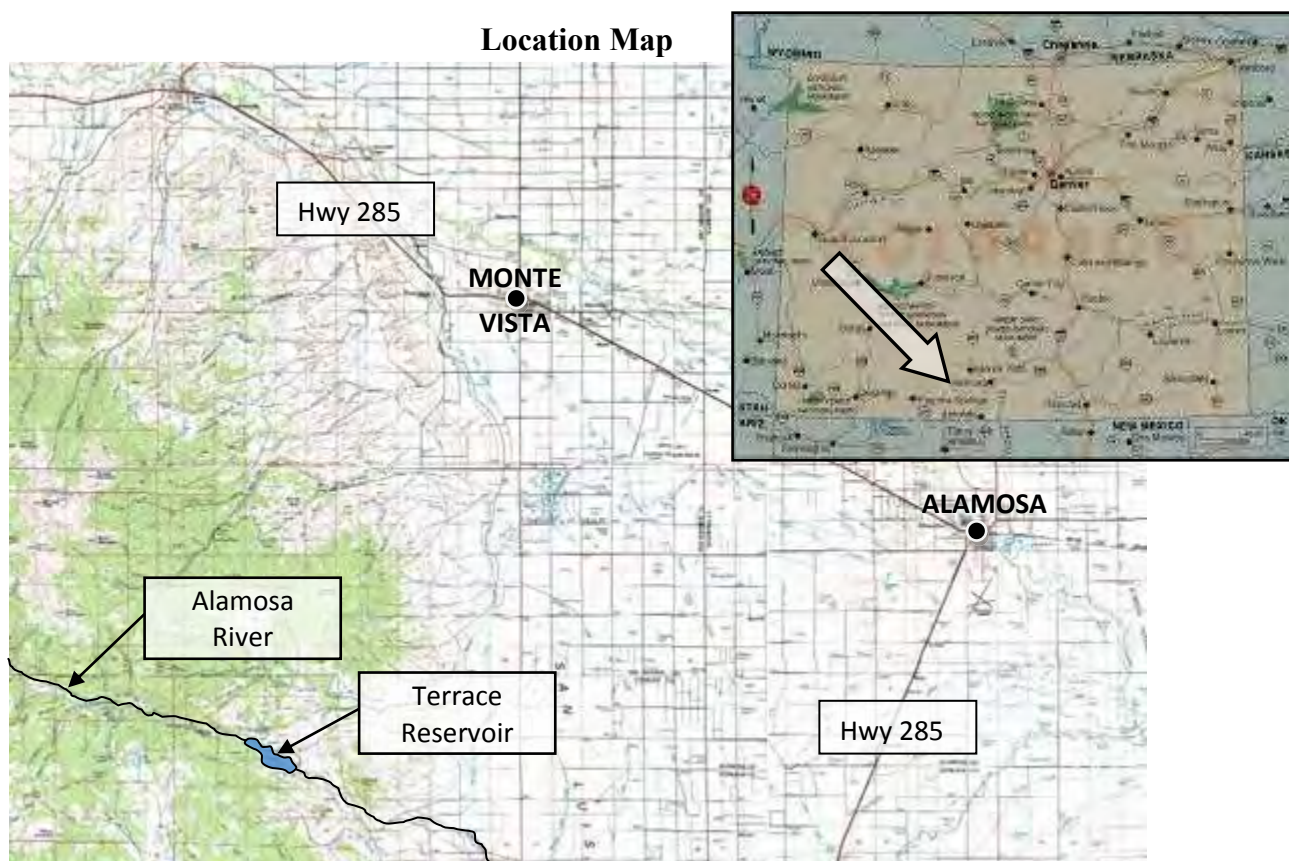
Avg. Annual Delivery: 15,339 AF

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

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

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

Location Map



Water Project Loan Program – Project Data Sheet

Borrower: Thunderbird Water and Sanitation District

County: Douglas

Project Name: Lambert Ranch Water Rights Purchase

Project Type: Water Rights Purchase

Drainage Basin: South Platte, District 8

Water Source: Denver Basin Aquifer

Total Project Cost: \$350,000

Funding Source: Construction Fund

Type of Borrower: Middle-Income Municipal

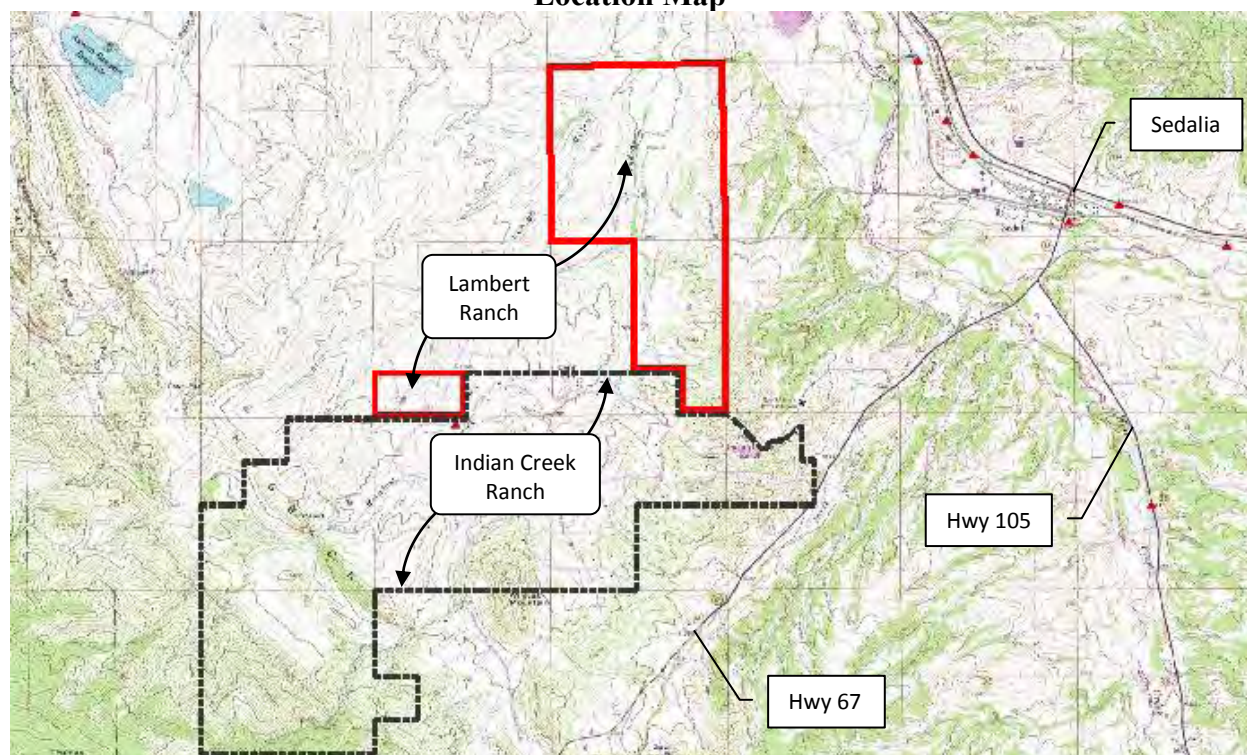
Avg. Annual Delivery: 55 AF

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

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

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

Location Map



**CWCB Construction Loan Program
PROJECT DATA SHEET**

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

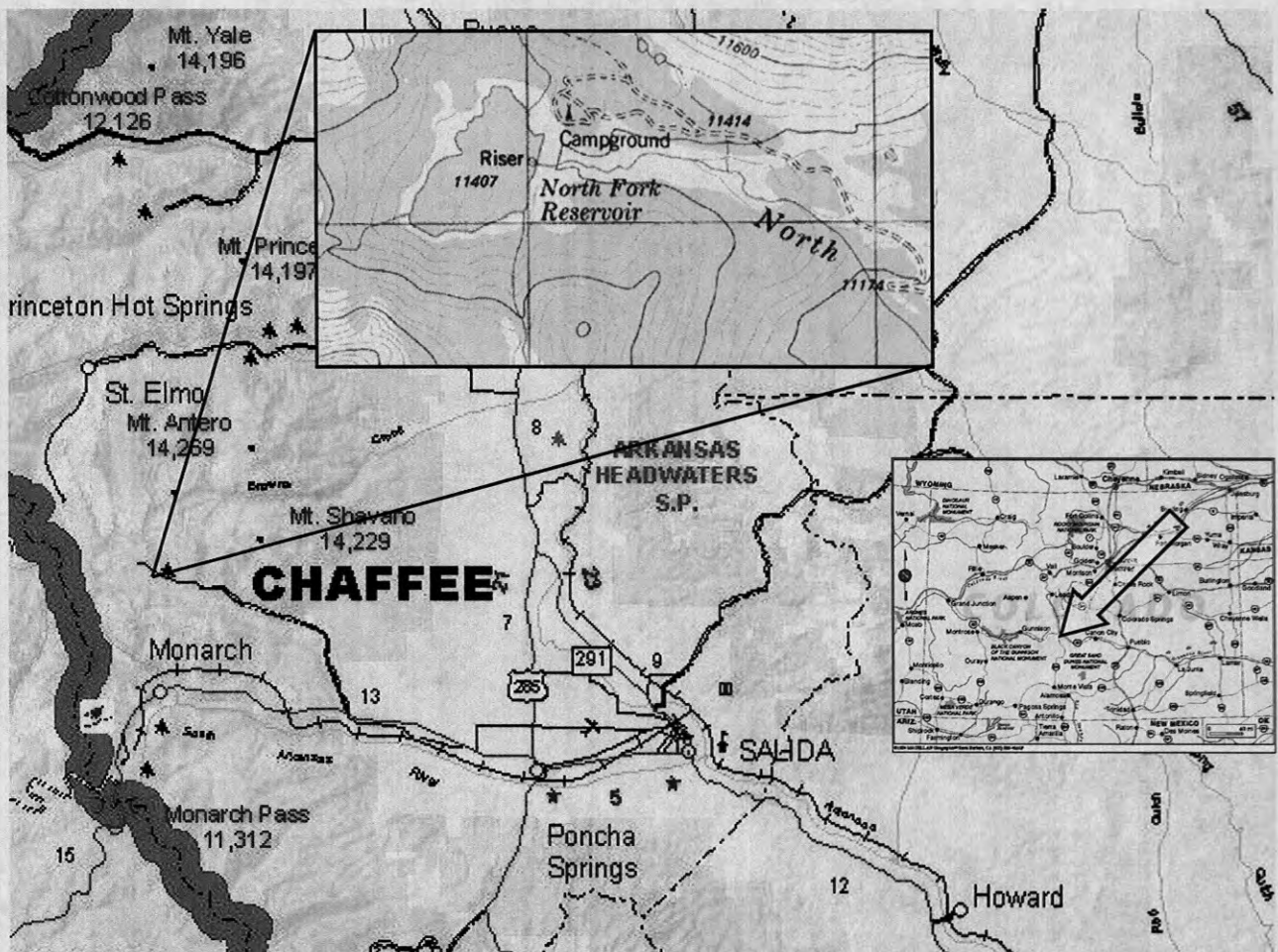
Project Type: Dam and Spillway Modifications **Water Source:** N. Fork of S. Arkansas

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

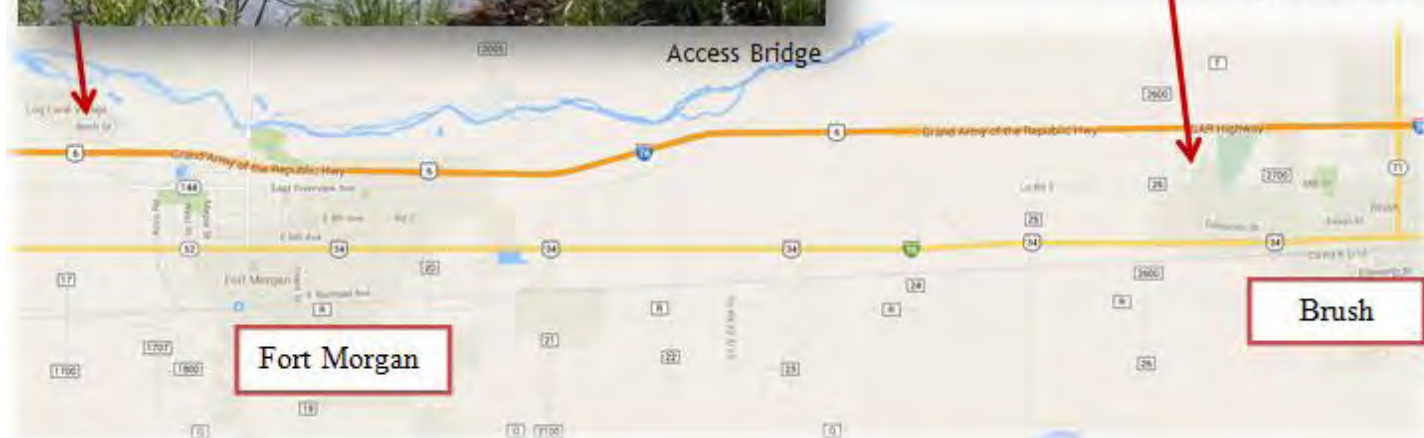
CWCB Water Project Loan Program Project Data Sheet

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.

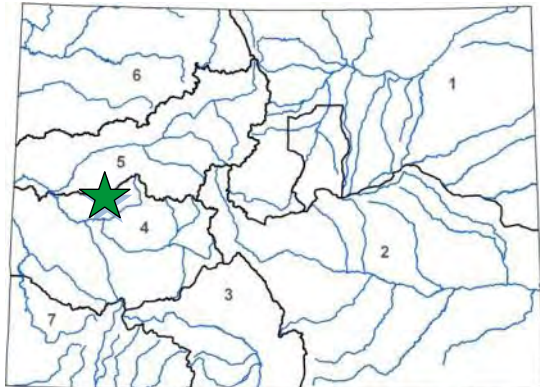


Augmentation Pond





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

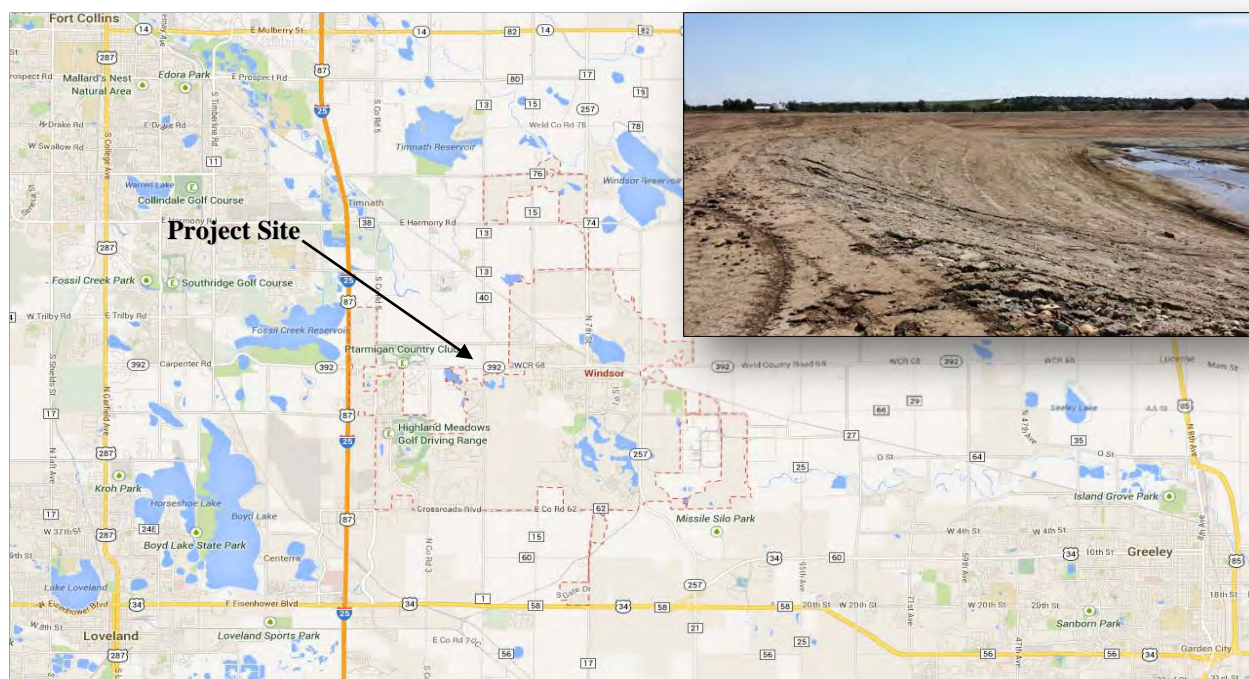


CWCB Water Project Loan Program Project Data Sheet

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

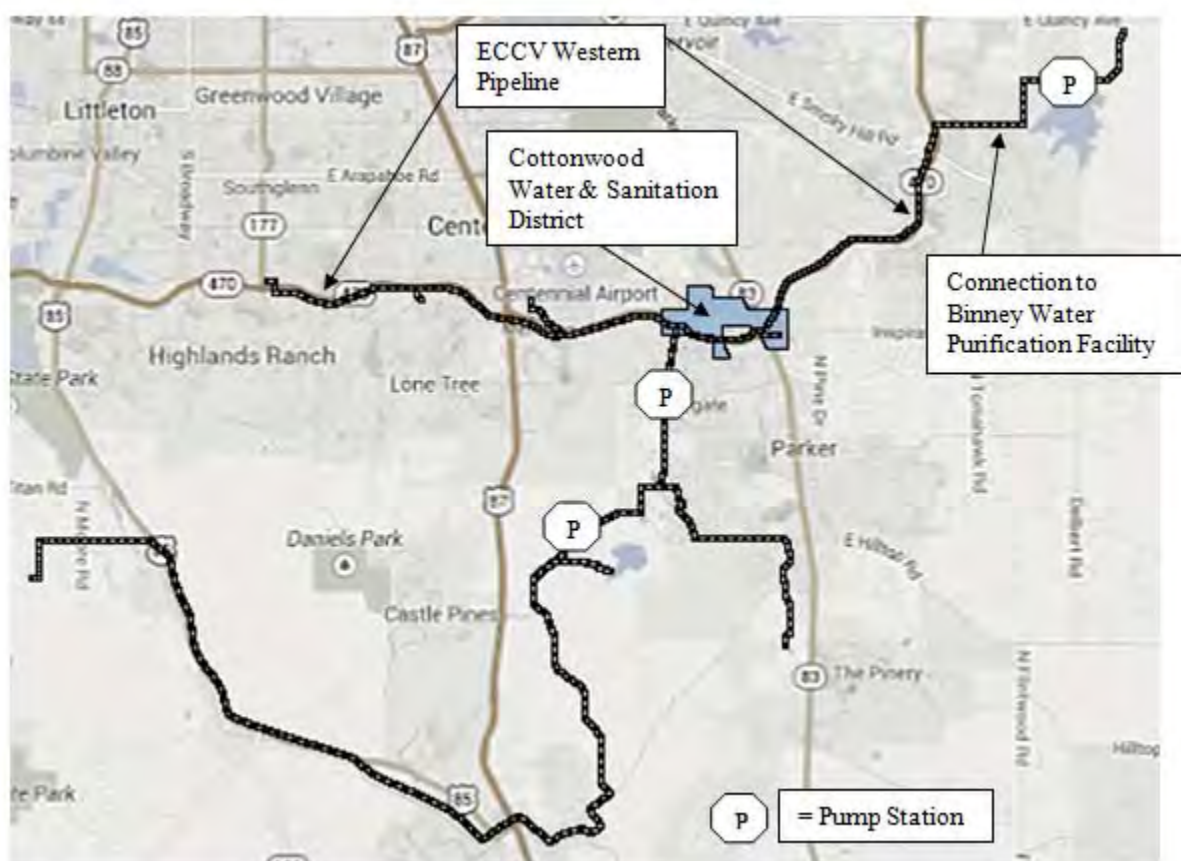
Average Annual Delivery: 789 AF

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

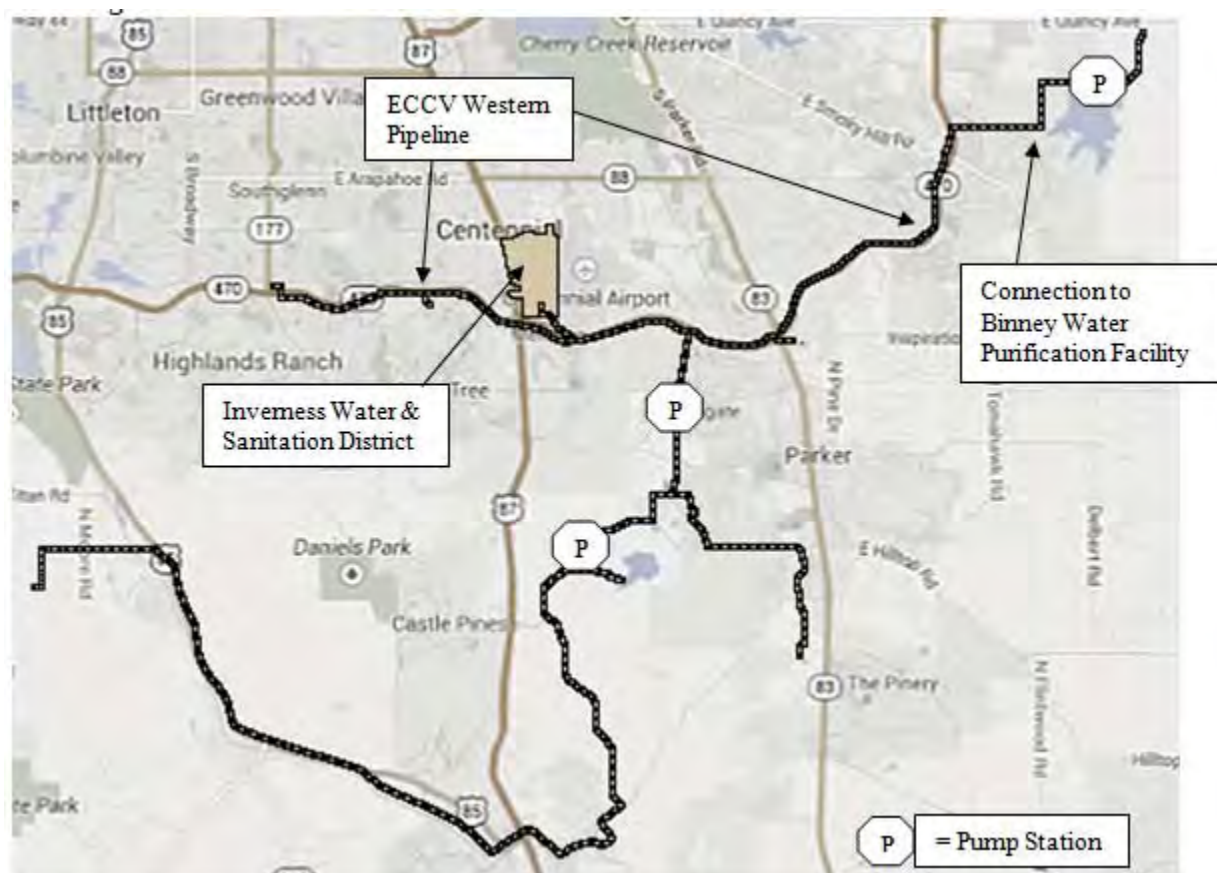
Average Annual Delivery: 1,100 AF

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**

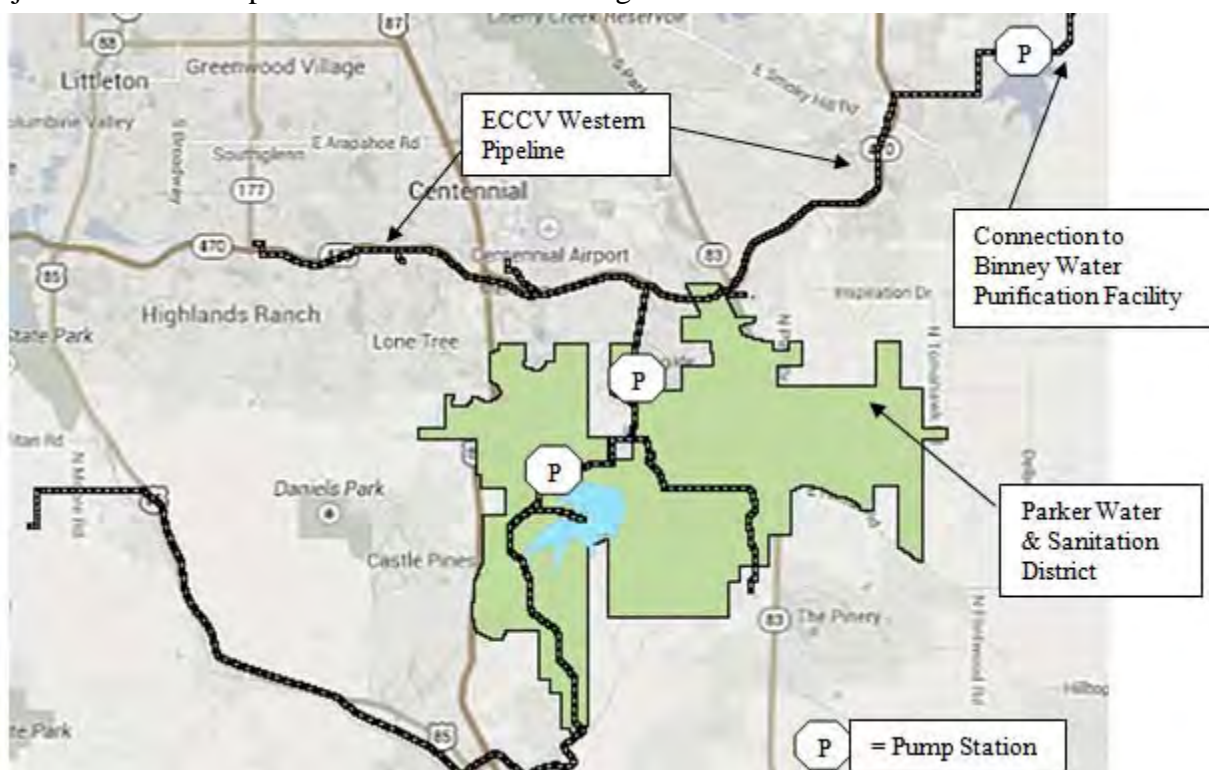
C150410

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

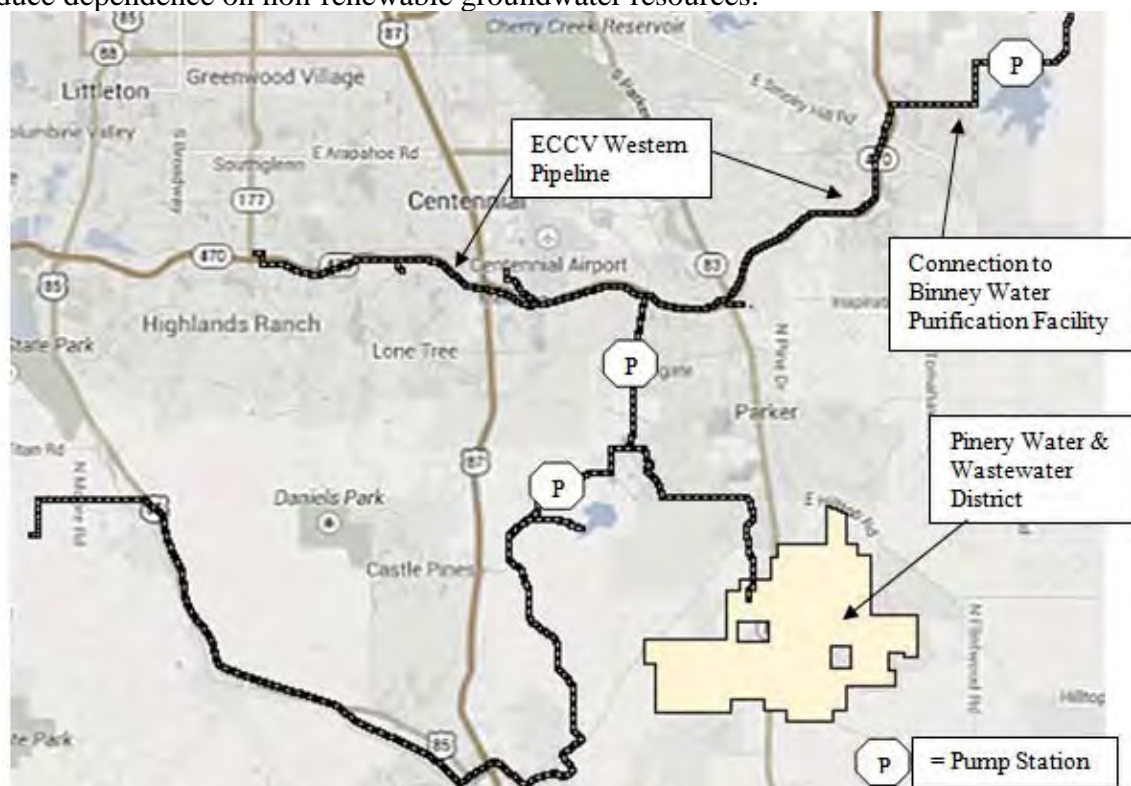
C150411

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

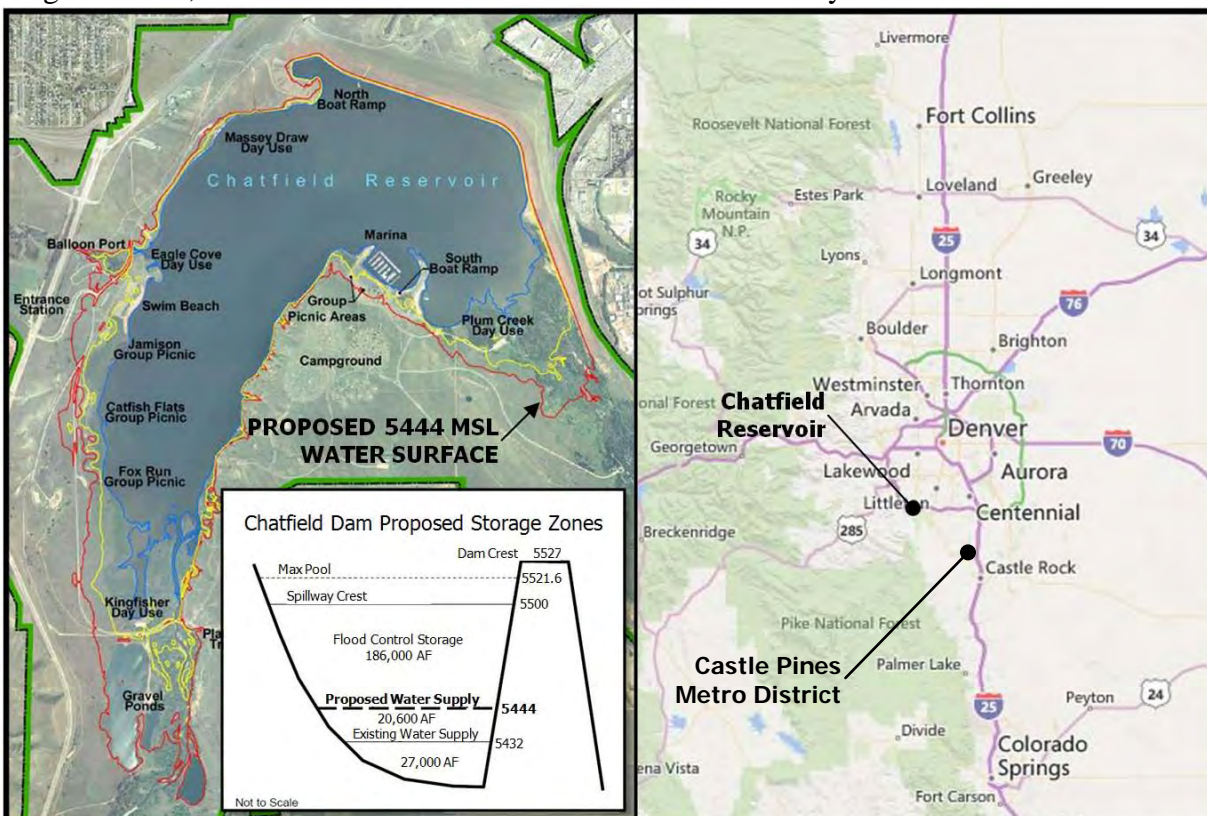
Added Water Supply Storage: 786.7 AF

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

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: \$7,100,000

Funding Source: Severance Tax Perpetual
Base Fund

Type of Borrower: High-income Municipal

Average Annual Delivery: 1,300 AF

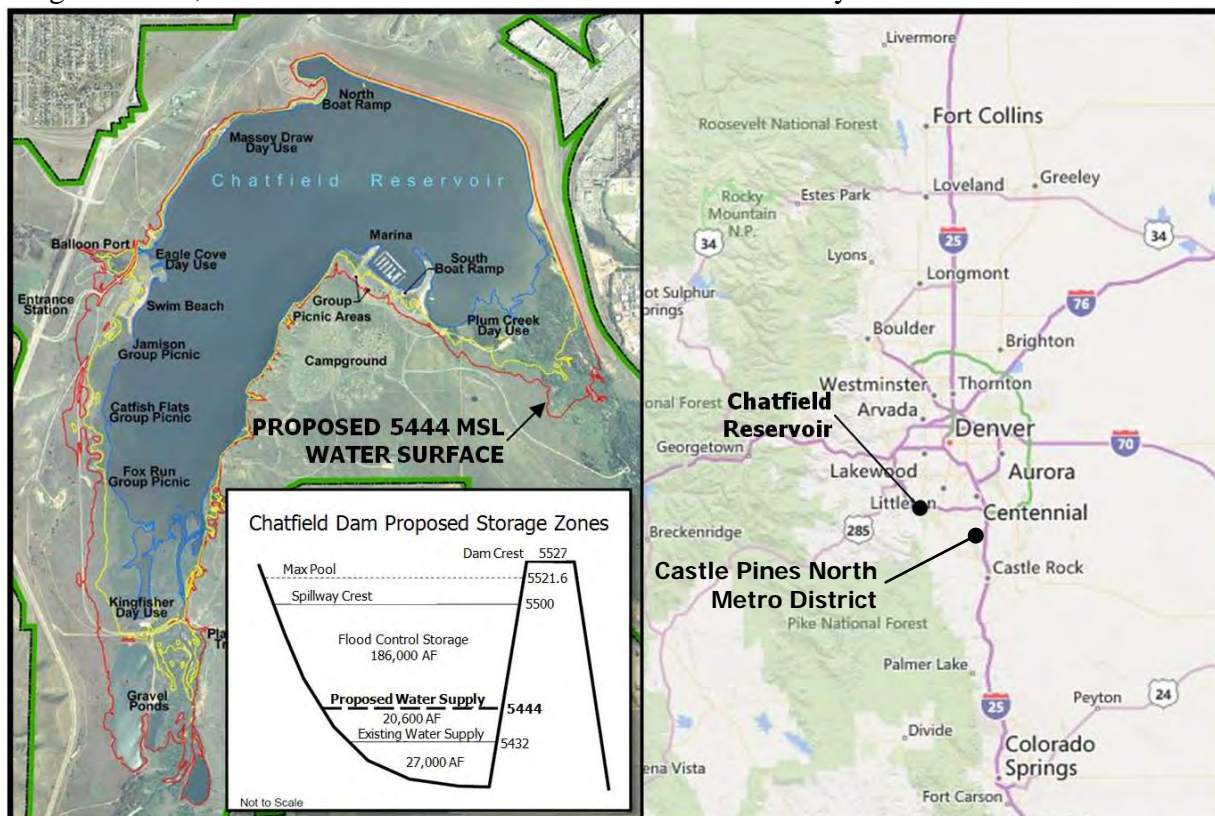
Added Water Supply Storage: 1005.8 AF

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

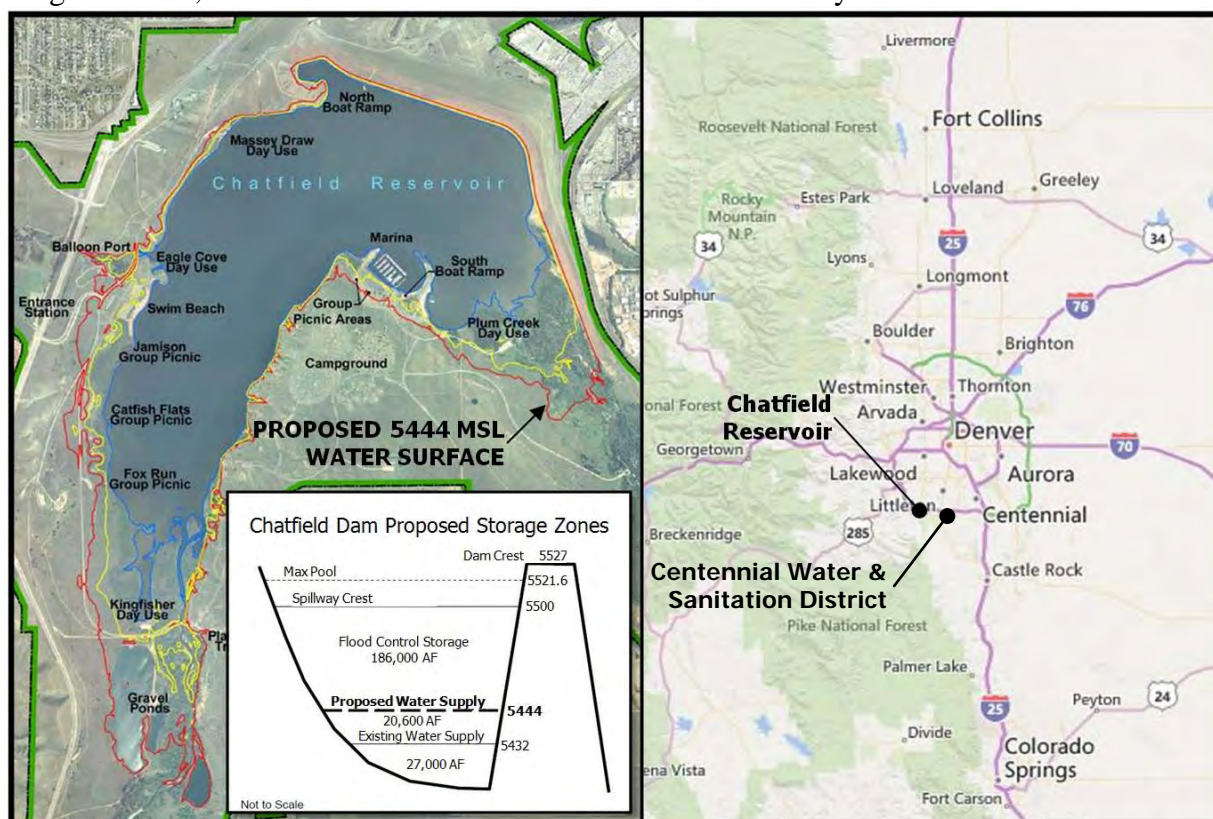
Average Annual Delivery: 17,500 AF

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

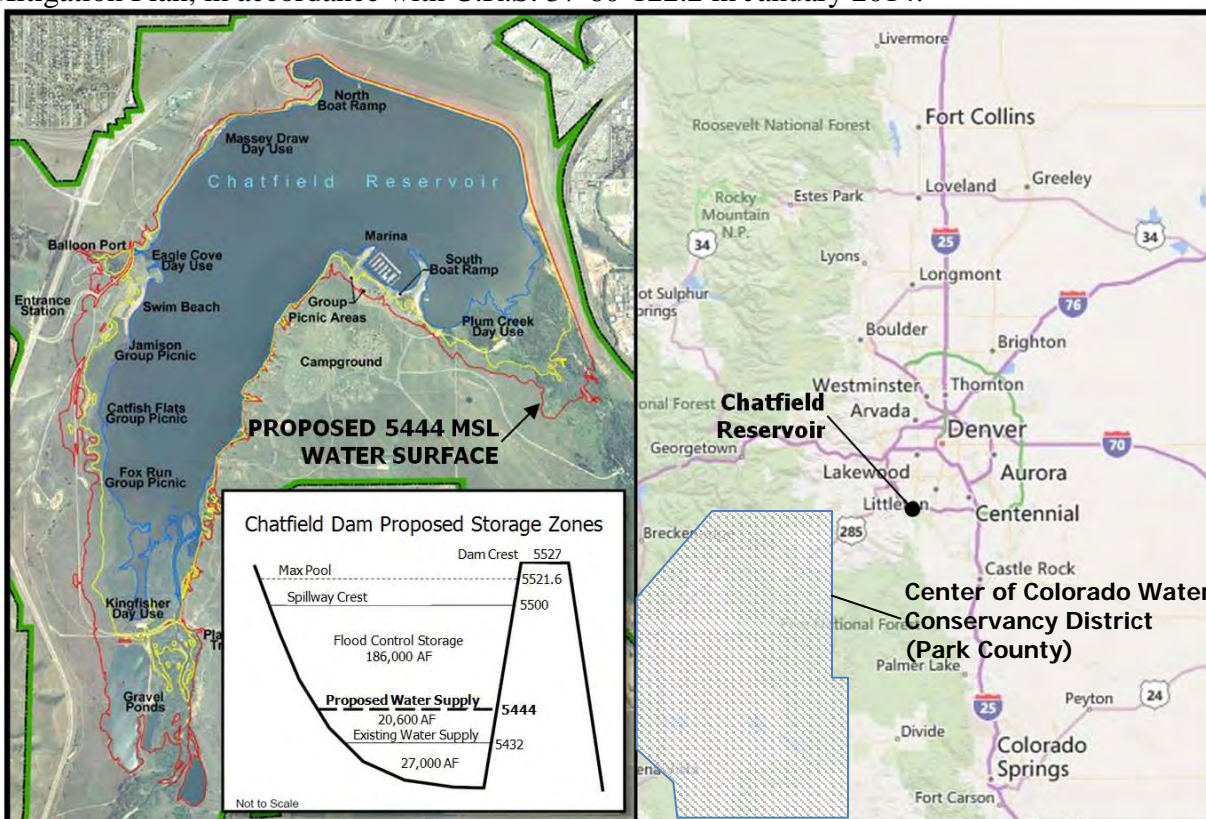
Average Annual Diversion: 700 AF

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

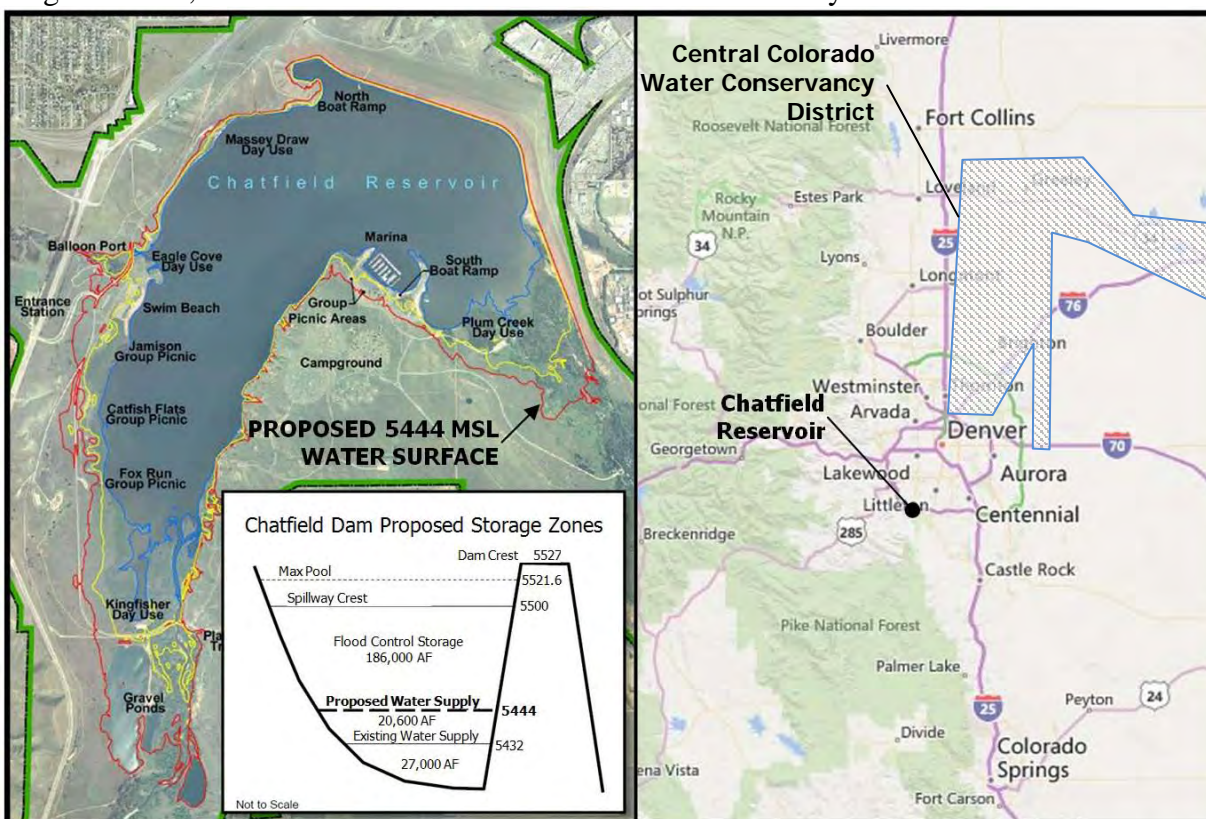
Type of Borrower: Agricultural

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

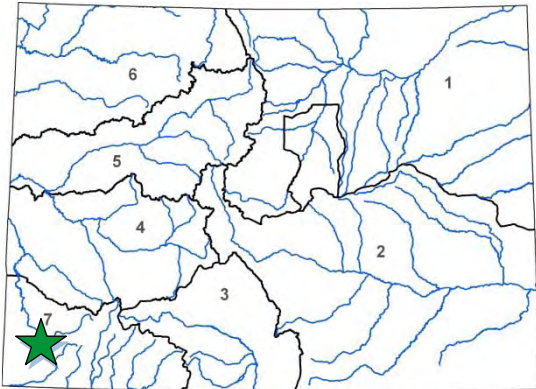
The Central Colorado Water Conservancy District is located in the South Platte River basin between Denver and Fort Morgan including Beebe Draw, and the lower portions of the Box Elder Creek and Lost Creek drainages. Approximately 210,000 acres of irrigated agricultural lands are served by the District. 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.





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.

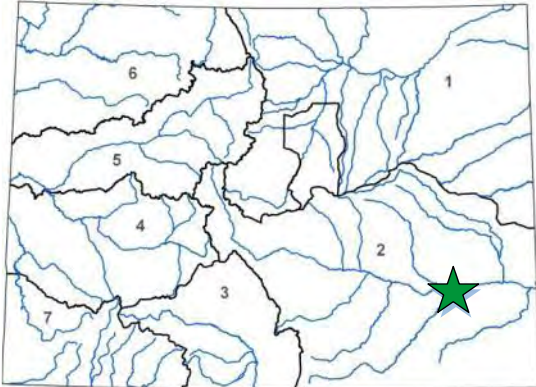




Repair & Replacement of the Las Animas Consolidated Canal Spillway Structure

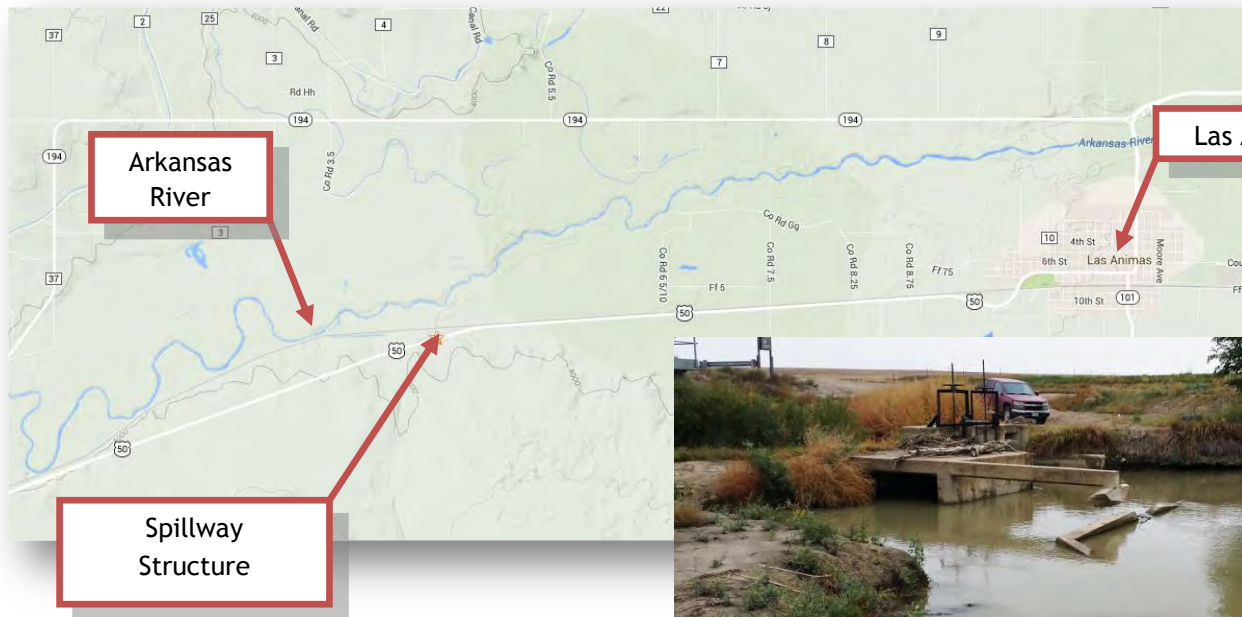
Las Animas Consolidated Canal Company
November 2014 Board Meeting

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

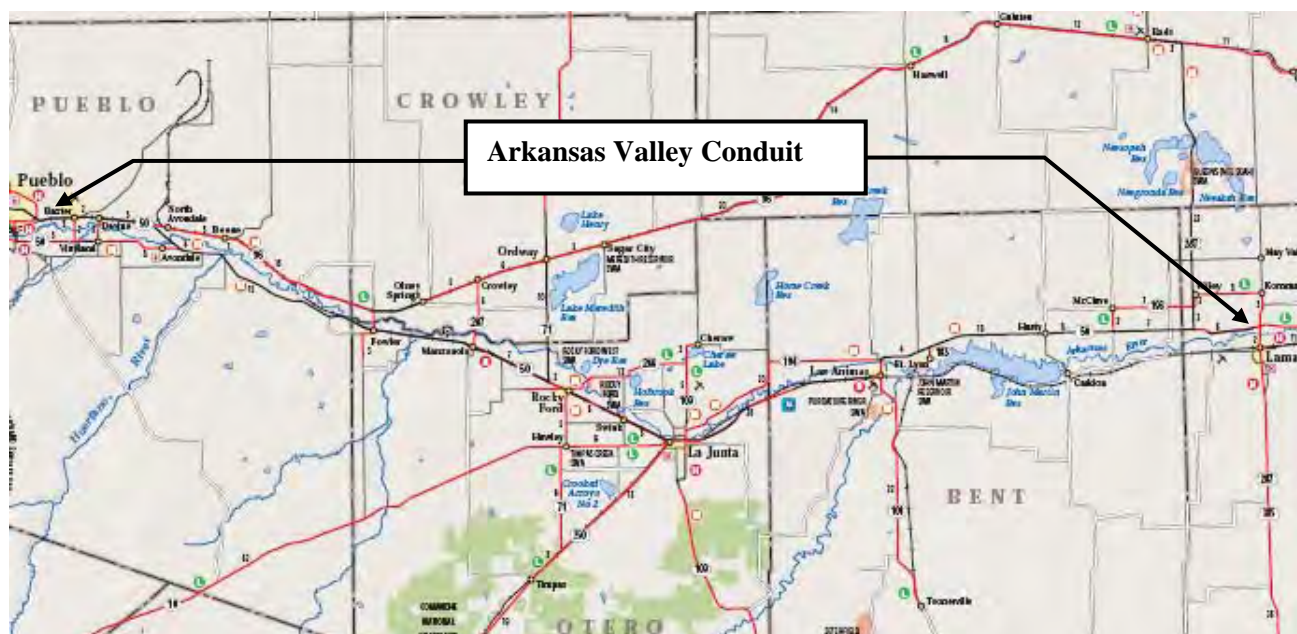
The Las Animas Consolidated Canal Company and the Consolidated Extension Canal Company were formed in the mid-1870s and together have continuously operated to irrigate 8,300 acres of land in the vicinity of Las Animas, Colorado. A significant, localized thunderstorm occurred during the night in April 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



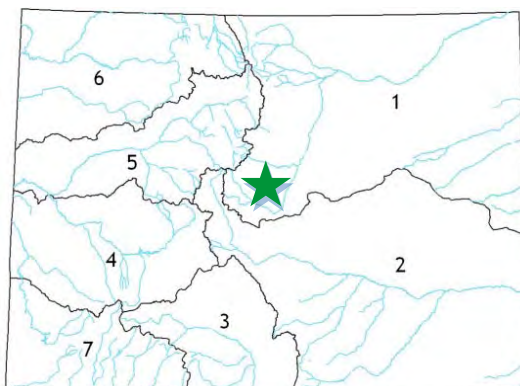
Water Project Loan Program
Project Data Sheet

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	
<i>Project Cost:</i>	\$366,102
<i>CWCB Loan (with Service Fee):</i>	\$332,795
<i>Loan Term and Interest Rate:</i>	10 Years @ 2.65%
<i>Funding Source:</i>	Construction Fund
<i>Agriculture</i>	<i>Municipal</i>
0%	0% Low 0% Mid 100% High 0%
P R O J E C T S U M M A R Y	
<i>Project Type:</i>	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	
<i>County:</i>	<i>Arapahoe & Jefferson</i>
<i>Water Source:</i>	<i>Denver Water (Master Meter)</i>
<i>Drainage Basin:</i>	Metro
<i>Division:</i>	1 <i>District:</i> 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.





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: May 20-21, 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				Loan		Design		Construction		Status Description/Update	
Borrower/Project	Contract	County	Amount	Status	Start/End	Status	PM				
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	90%	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	95%	JH	Loan increase request approved during July 2014 Board Meeting. Project 95% complete. Expecting pay request on 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 Reapir C150389	389	Boulder	\$ 50,500	100%	1/2014-3/2014	100%	JH	Construction completed as part of larger project. PM for larger project waiting to bill borrower until FEMA funds are in.
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

Projects Not Under Contract

Emergency Loan – Summary

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 Sub Total = \$ 4,545,000

Grand Total = \$ 22,564,947

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

C150385

Borrower: Beeman Irrigating Ditch and
Milling Company

County: Weld

Project Name: Emergency Beeman
Diversion Dam Repair

Project Type: Diversion Rehabilitation

Drainage Basin/ District: South Platte / 2

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

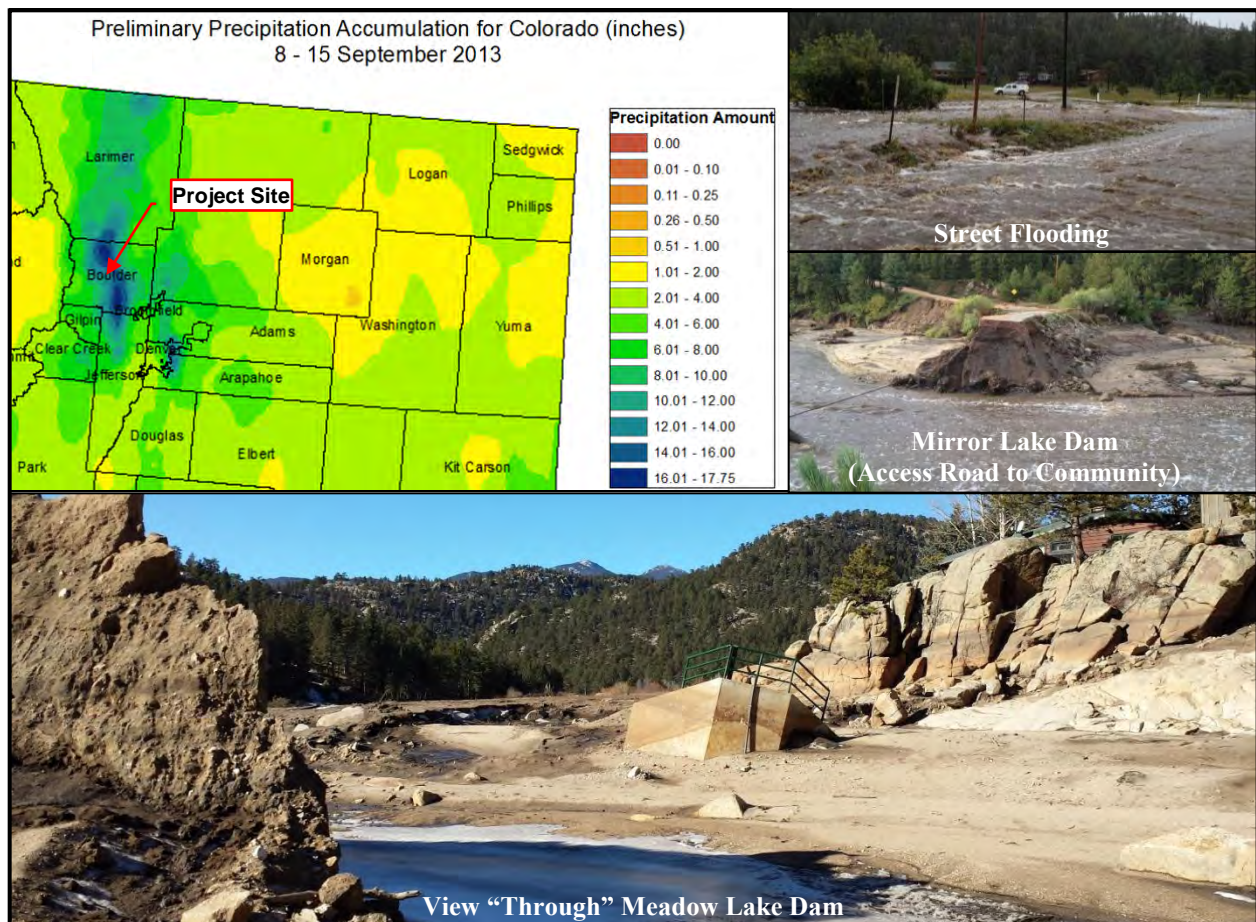
Type of Borrower: Middle-Income Municipal

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

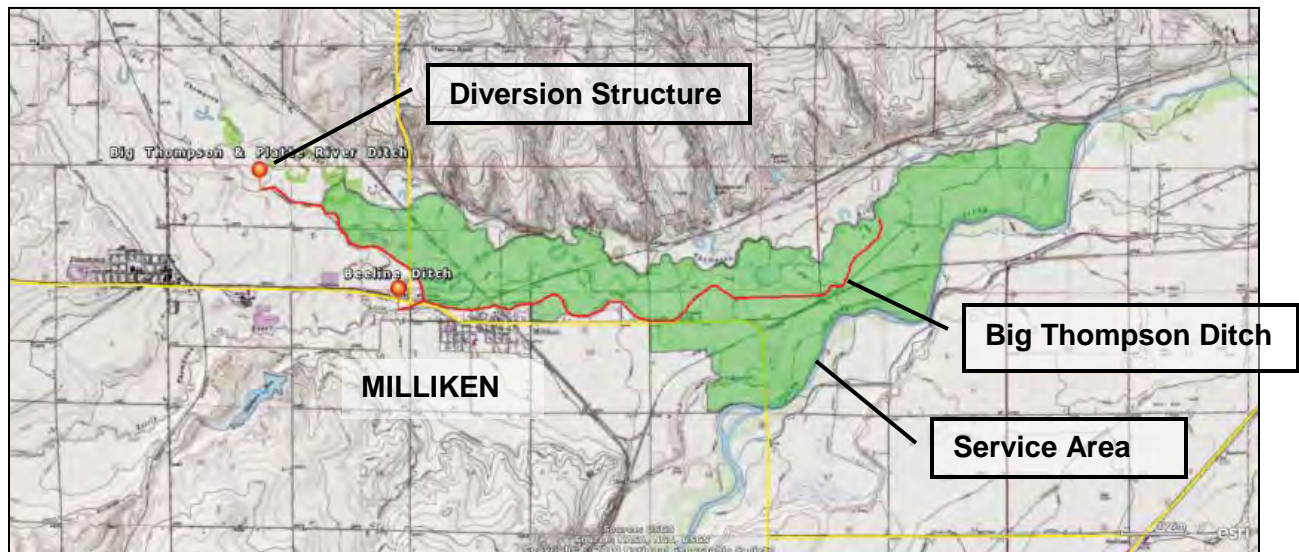
Type of Borrower: Blended

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

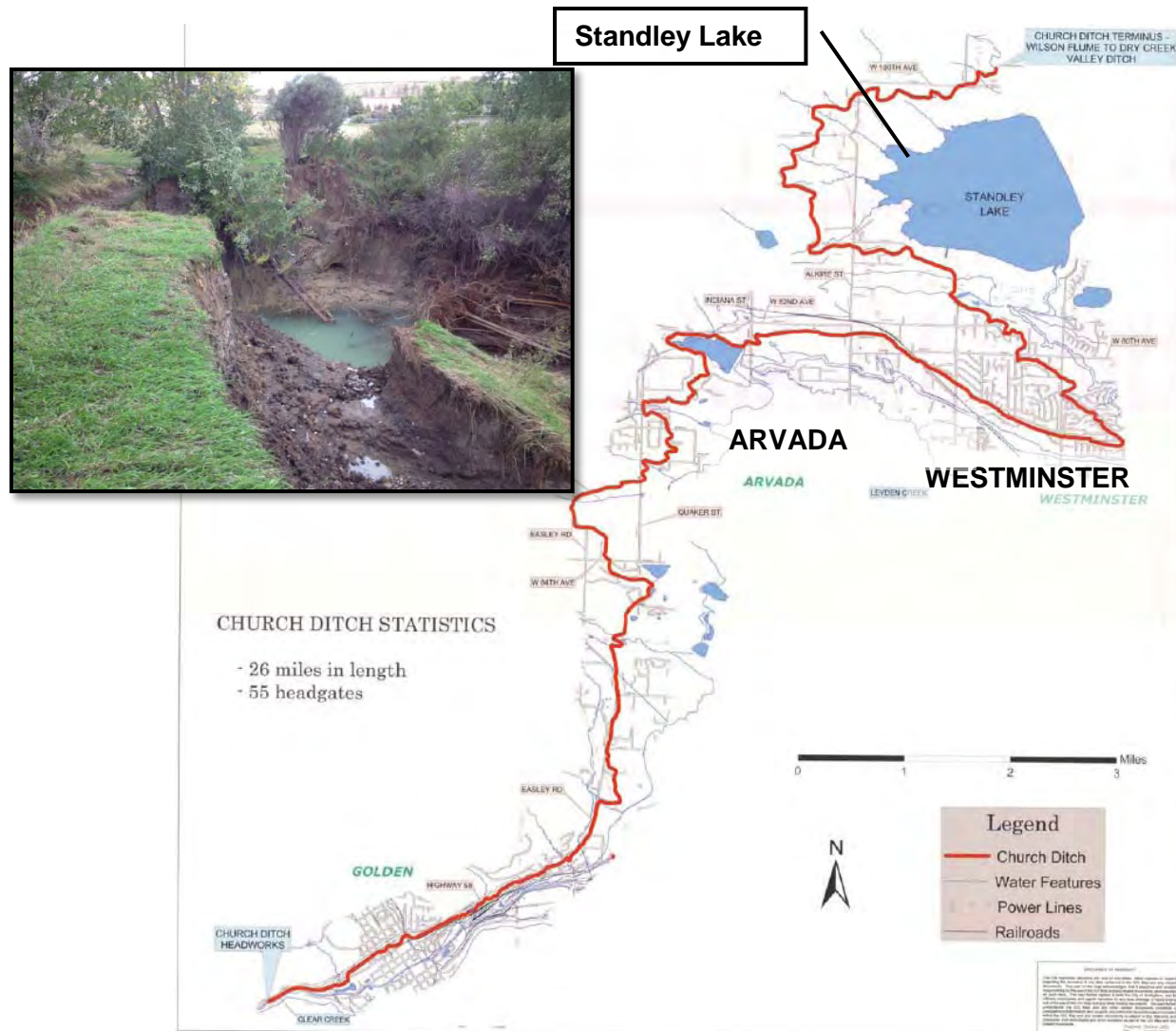
Type of Borrower: Blended

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)

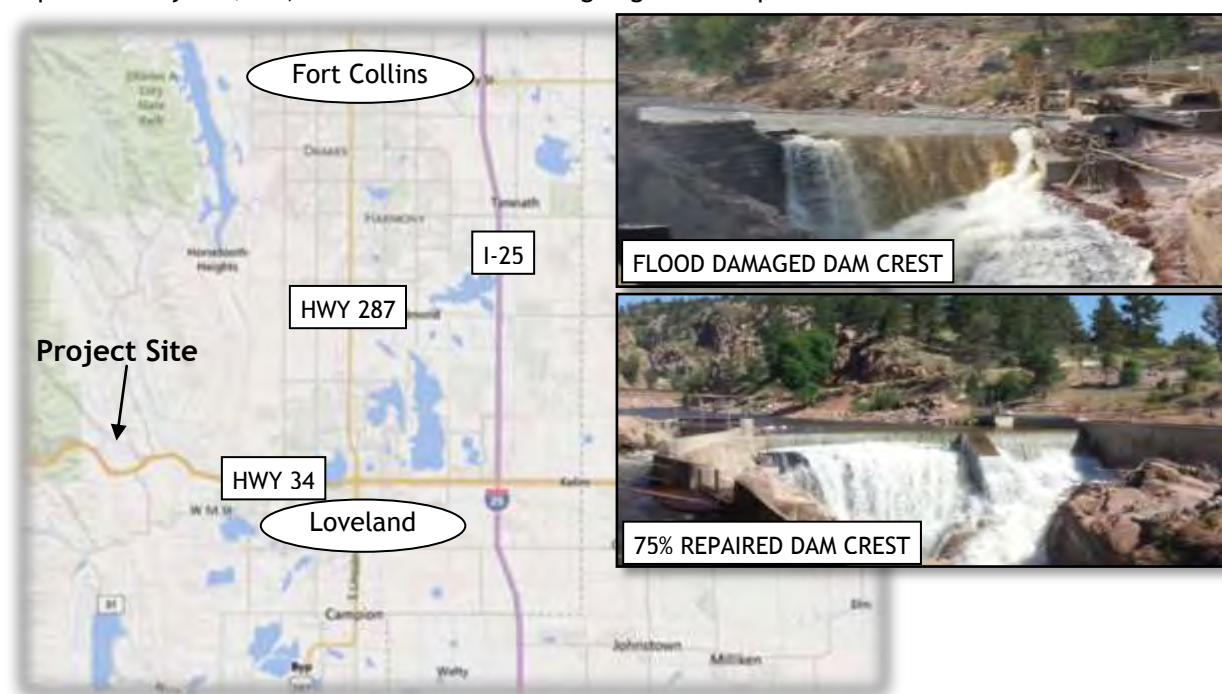
L O A N D E T A I L S	
Project Cost:	\$2,775,000
CWCB Loan (with Service Fee):	\$1,840,000 (15% increase)
Loan Term and Interest Rate:	30 Years @ 1.95%
Funding Source:	Severance Tax Perpetual Base Fund
B O R R O W E R T Y P E	
Agriculture	Municipal Commercial
76%	0% Low - 23% Mid - <1% High <1%
P R O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

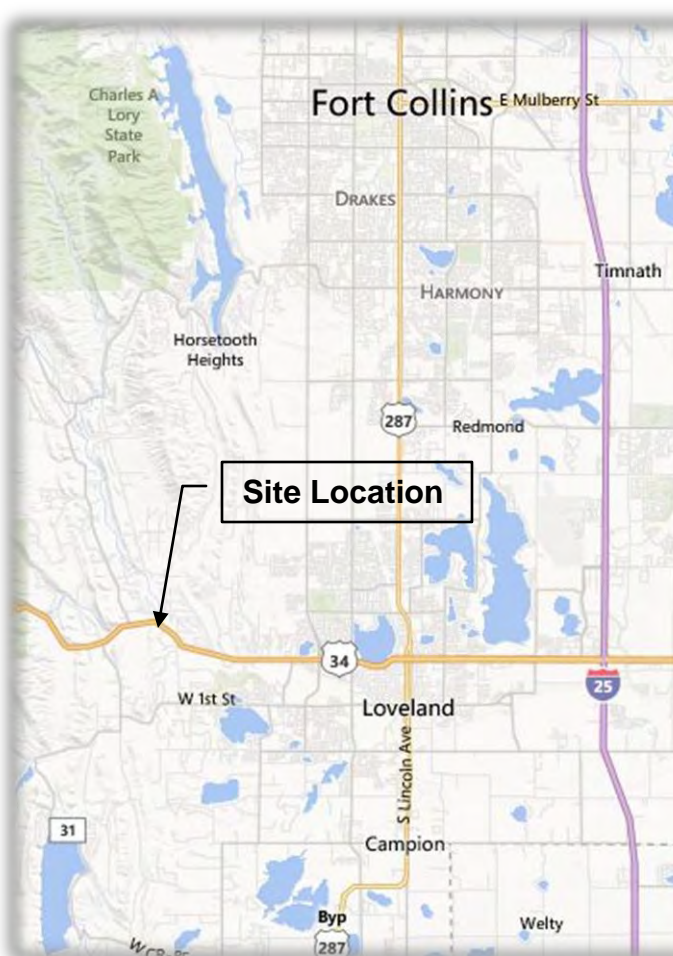


**CWCB Water Project Loan Program
Project Data Sheet
(Increase)**

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.

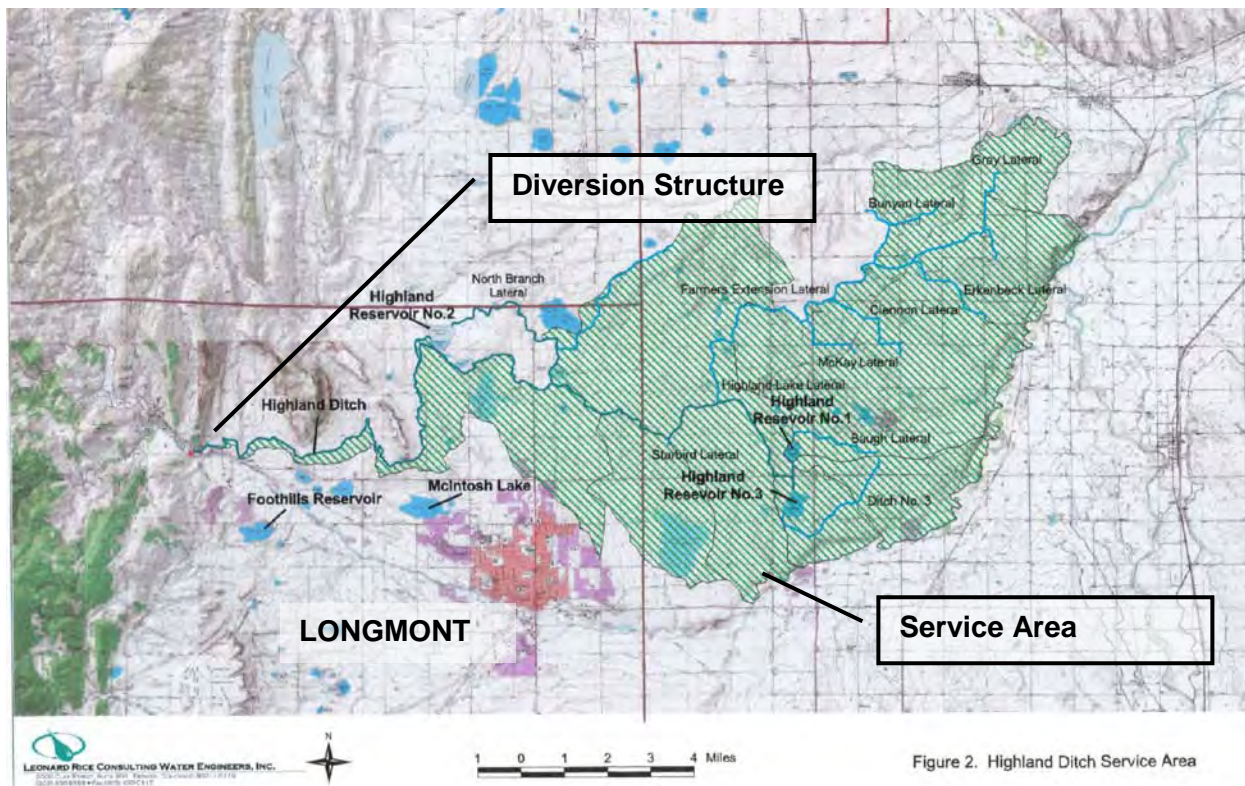


Figure 2. Highland Ditch Service Area

**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

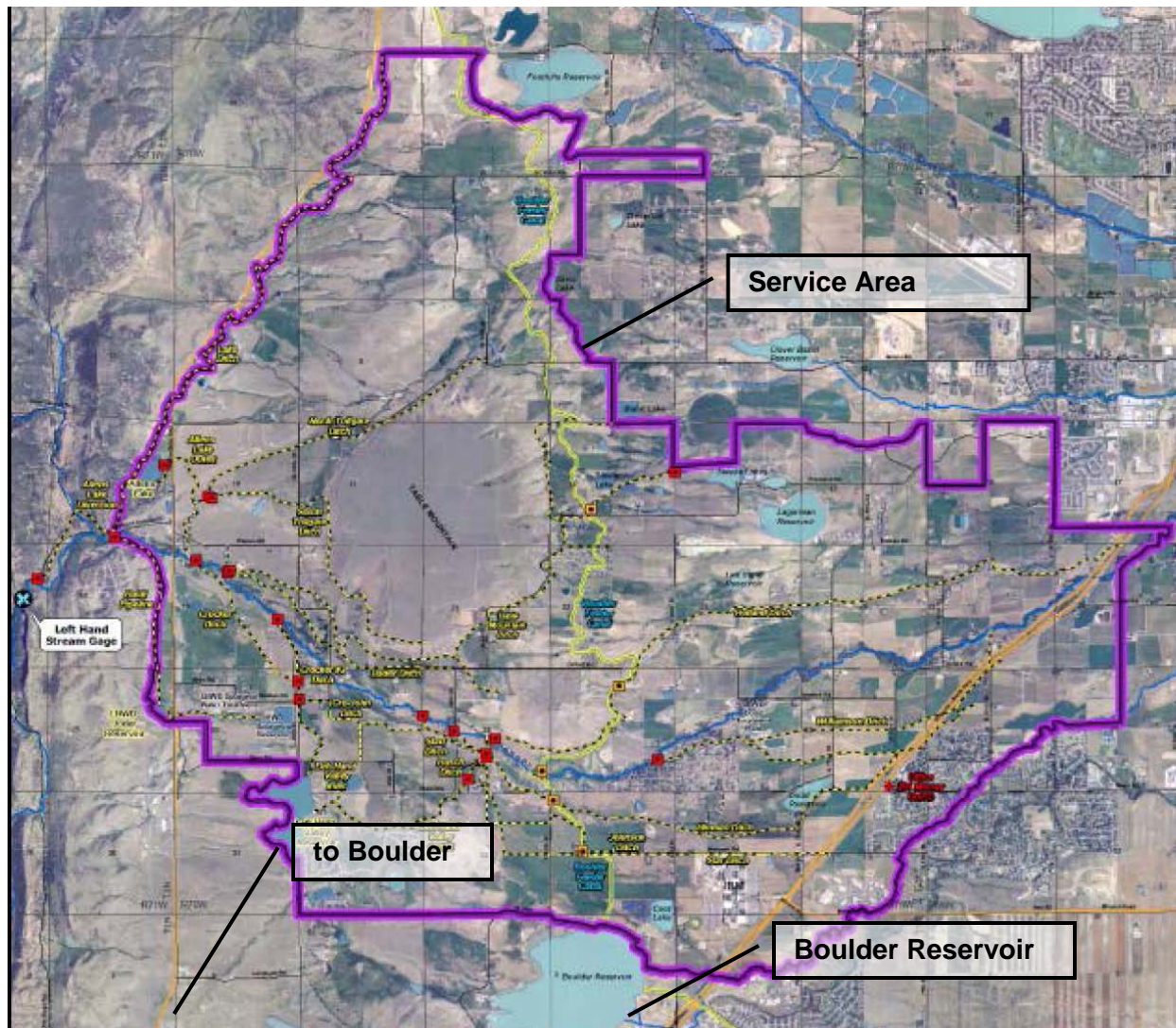
Type of Borrower: Blended

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



CWCB Water Project Loan Program Project Data Sheet

C150368

Borrower: North Poudre Irrigation Company

County: Larimer

Project Name: Fossil Creek Reservoir Diversion
Structure Repair

Project Type: Diversion Rehabilitation

Drainage Basin/ District: South Platte / 3

Water Source: Cache la Poudre

Total Project Cost: \$477,000

Funding Source: Severance Tax PBF

Type of Borrower: Blended

Average Annual Diversion: 31,700 AF

CWCB Loan: \$481,770
(with 1% service fee)

Interest Rate: 2.35% Term: 30-years
(37% Ag, 1% Low, 57% Mid, 4% 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 Fossil Creek Reservoir inlet diversion off the Cache la Poudre River. The purpose of the Project is to repair the existing diversion structure by rebuilding the check dam and abutment. The Project will restore the structure to pre-flood elevations while modifying the foundation to improve protection against future scouring.



**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

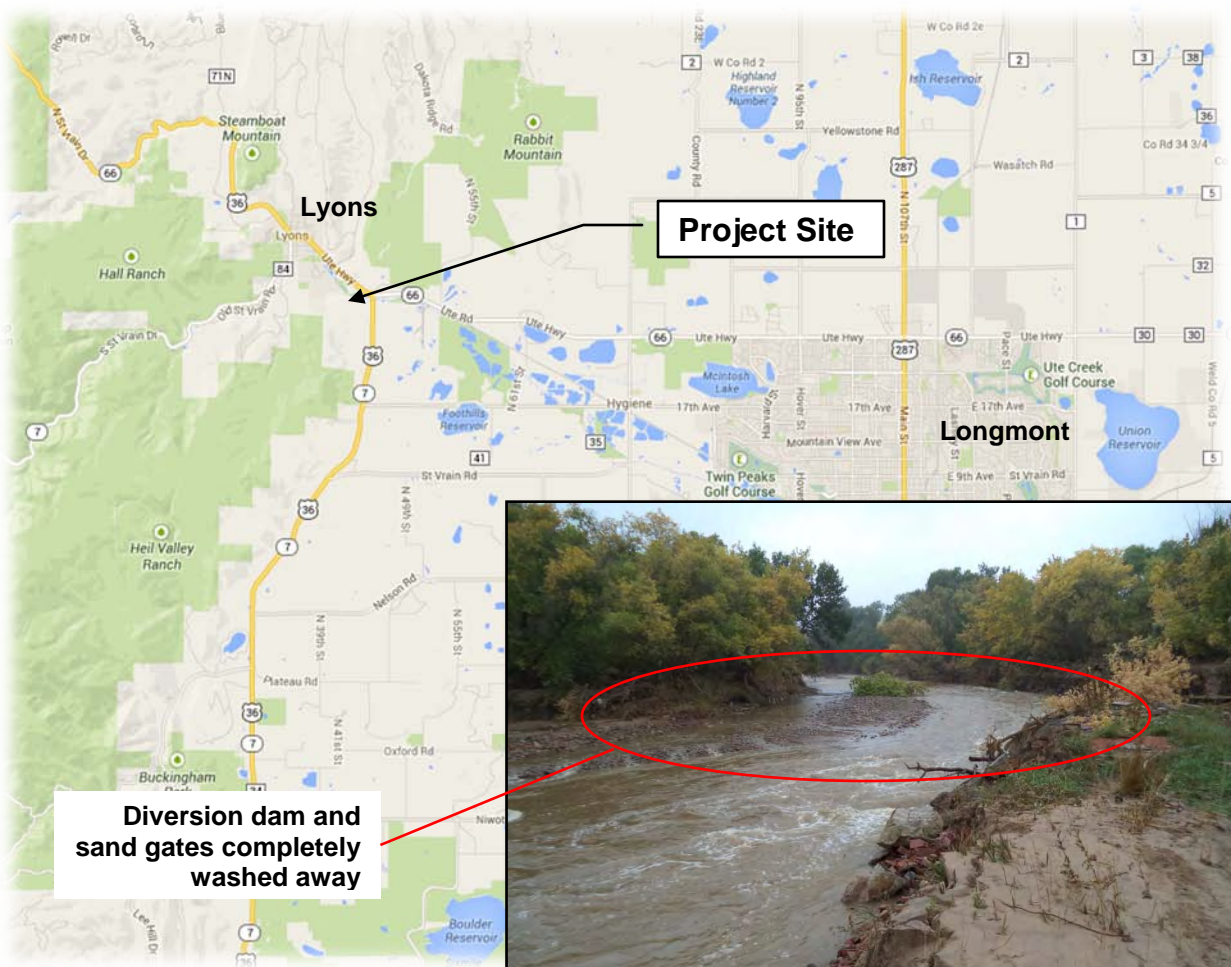
Type of Borrower: Blended

Average Annual Diversion: 7,528 AF

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

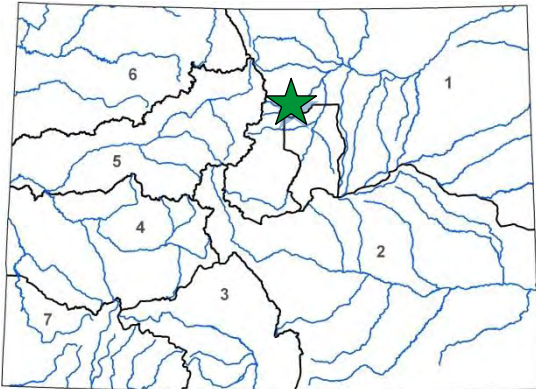
Interest Rate: 2.7% **Term:** 30-years
(15% Ag, 69% Mid, 13% High, 3% Com)

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.





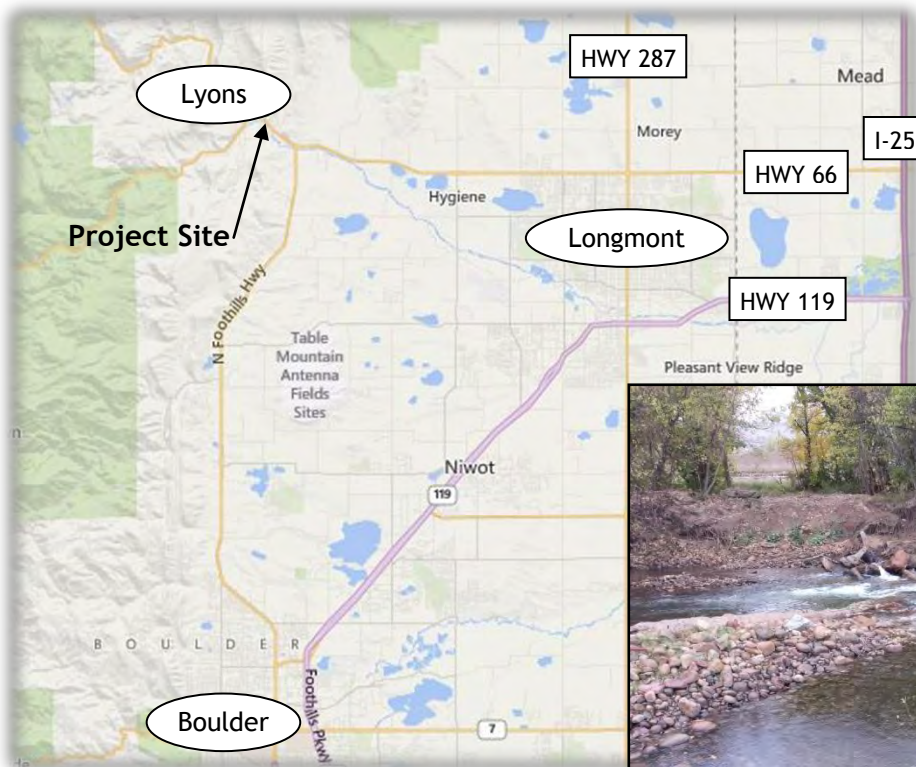
L O A N D E T A I L S	
Project Cost:	\$321,000
CWCB Loan (with Service Fee):	\$324,210
Loan Term and Interest Rate:	27 Years @ 2.25%
Funding Source:	Severance Tax Perpetual Base Fund
B O R R O W E R T Y P E	
Agriculture	Municipal Commercial
86%	0% Low - 5% Mid - 7% High 2%
P R O J E C T D E T A I L S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

County: Boulder

Project Type: Reservoir Rehabilitation

Water Source: St. Vrain Creek

Total Project Cost: \$9,000,000

Funding Source: Severance Tax Perpetual
Base Fund

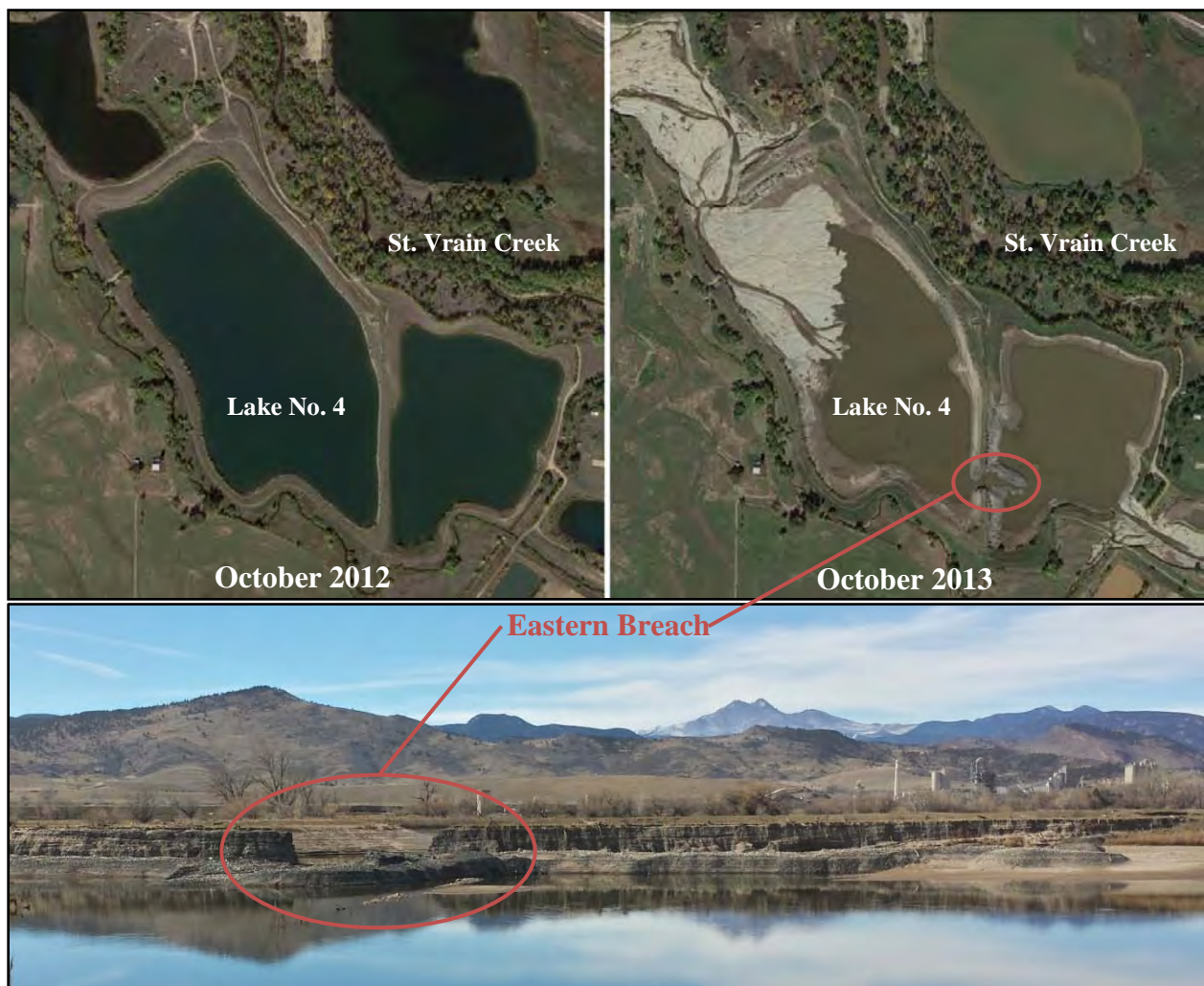
Type of Borrower: Blended

Average Annual Augmentation: 200 AF
Preserved Water Supply Storage: 600 AF

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

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
MAY 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 April 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 the first ten months of Fiscal Year 2015 totaled 210. There were five 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 payment from Fuchs Ranches, Inc. was less than 60 days late. The loan payment from the Western Mutual Ditch Company is over 30 days late and has not been received to date. Thus, the on-time performance for the total repayments due was 98% in compliance or 2% not in compliance.

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 \$23.6 M for this year. Funds disbursed relative to new project loans totaled \$49.3 M for this year. Net activity resulted in \$25.7 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 \$8.0 M in receivables and \$42.4 M in disbursements for a total net activity of \$34.4 M disbursed over received. The STPBF consists of \$15.6 M in receivables and \$6.9 M in disbursements for a total net activity of \$8.7 M received over disbursed.

[See details of the table on the following page]

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	\$ 2,056,092	\$ (1,783,507)
March 2015	\$ 271,011	\$ 222,075	\$ 493,086	\$ 1,380,863	\$ (887,778)
April 2015	\$ 794,164	\$ 760,889	\$ 1,555,053	\$ 2,605,779	\$ (1,050,725)
May 2015	\$ -	\$ -	\$ -	\$ -	\$ -
June 2015	\$ -	\$ -	\$ -	\$ -	\$ -
FY 2015 Totals	\$ 3,733,093	\$ 4,263,243	\$ 7,996,336	\$ 42,436,241	\$ (34,439,904)

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	\$ 591,573	\$ 117,520	\$ 709,093	\$ 312,973	\$ 396,120
September 2014	\$ 4,053,527	\$ 1,241,699	\$ 5,295,226	\$ 338,024	\$ 4,957,202
October 2014	\$ 1,043,914	\$ 432,461	\$ 1,476,376	\$ 456,076	\$ 1,020,299
November 2014	\$ 282,573	\$ 67,380	\$ 349,953	\$ 1,566,008	\$ (1,216,054)
December 2014	\$ 3,690,916	\$ 133,118	\$ 3,824,034	\$ 778,996	\$ 3,045,038
January 2015	\$ 262,297	\$ 133,394	\$ 395,691	\$ 793,973	\$ (398,282)
February 2015	\$ 579,645	\$ 43,714	\$ 623,359	\$ 1,255,324	\$ (631,966)
March 2015	\$ 1,693,416	\$ 346,288	\$ 2,039,704	\$ 891,029	\$ 1,148,675
April 2015	\$ 400,334	\$ 129,250	\$ 529,585	\$ 498,124	\$ 31,460
May 2015	\$ -	\$ -	\$ -	\$ -	\$ -
June 2015	\$ -	\$ -	\$ -	\$ -	\$ -
FY 2015 Totals	\$ 12,795,219	\$ 2,862,808	\$ 15,658,027	\$ 6,890,527	\$ 8,767,500

GRAND TOTALS	\$ 16,528,312	\$ 7,126,051	\$ 23,654,363	\$ 49,326,768	\$ (25,672,405)
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