



COLORADO WATER CONSERVATION BOARD

DIRECTOR'S REPORT

January 2016

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
Erik Skeie

DATE: January 25-26, 2016

SUBJECT: Agenda Item 6d, January 2016 CWCB Board Meeting Director's Report

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~INTERSTATE AND FEDERAL~

U.S.-MEXICO, MINUTE 319 IMPLEMENTATION AND FUTURE NEGOTIATIONS—The United States, Mexico, and the Colorado River basin states are meeting monthly to implement Minute 319 activities, and to continue to explore the possibility of agreeing to another Minute in the future. On December 10 and 11, 2015, the Minute Negotiating Group (MNG) met in San Diego to continue to develop the framework for another possible Minute. There are workgroup meetings and additional MNG meetings scheduled throughout January and February. Staff will continue to update the Board as these negotiations progress. (*Ted Kowalski*)

GLEN CANYON DAM ADAPTIVE MANAGEMENT WORK GROUP (AMWG) AND TECHNICAL WORK GROUP (TWG) MEETINGS—The Glen Canyon Dam TWG will hold its annual reporting workshop and winter meeting on January 26-28, 2016 in Phoenix, Arizona. At that meeting, the TWG will receive briefings on the budget and the status of key natural resources. In addition, the Staff expects the Bureau of Reclamation (BOR) and the National Park Service (NPS) to provide updates about the Draft EIS (DEIS) for the Long Term Experimental and Management Plan (LTEMP), which the BOR and NPS released on January 8, 2016. To review a copy of the DEIS for LTEMP, visit the following website: <http://ltempeis.anl.gov/index.cfm>. The annual winter AMWG meeting is scheduled for February 24-25, 2016 in Phoenix, Arizona, and the LTEMP will be the main focus of that meeting. (*Ted Kowalski*)

UPPER COLORADO RIVER COMMISSION (UCRC) ANNUAL WINTER MEETING—The UCRC met on December 16, 2015, in Las Vegas, Nevada, in conjunction with the Annual Meeting of the Colorado River Water Users Association (CRWUA). The UCRC received reports and updates from the Bureau of Reclamation, the Salinity Control Forum, the Western Area Power Administration, and the U.S. Fish and Wildlife Service. The UCRC Summer meeting is scheduled to be on June 1, 2016, in the State of Utah. (*Ted Kowalski*)

COLORADO RIVER LAW OF THE RIVER CLE—On February 4-5, 2016, CLE International will be sponsoring a CLE on the Law of the Colorado River in Las Vegas, Nevada. Topics that will be discussed include: drought contingency planning, climate change, lower basin shortages, Mexico negotiations, and many other current topics. For more information click on the following link: <http://www.cle.com/upcoming/PDFs/LVGRIV16.pdf> (*Ted Kowalski*)

~STATEWIDE~

GROUND WATER COMMISSION MEETING— The Ground Water Commission (GWC) held its quarterly meeting on November 20, 2015 in Castle Rock, CO. The agenda items included routine reports and Ted Kowalski gave a presentation on the Water Plan to the Commission. The agenda also included an update on the Water Quality Control Commission's rulemaking with respect to changing discharge standards for Total Dissolved Solids (TDS), a discussion on proposed legislation on de novo review of appeals of Commission's decisions, a discussion on the applicability of SB15-183 to Designated Basins, a discussion on a complaint by Cherokee Metropolitan District concerning the allowed use of water rights. Also, the 2015 Groundwater Level Reports were distributed to the Commission members. The Commission also discussed Hutton v. Wolfe (Case No. 15CW2018) in executive session. The Ground Water Commission will hold its next regular meeting on February 19, 2016 in Denver, CO. For more information visit: <http://water.state.co.us/groundwater/CGWC/Pages/default.aspx>. (*Ted Kowalski*)

INVASIVE PHREATOPHYTE CONTROL PROGRAM— HB 15-1006 awarded the CWCB \$2 million for FY16 and FY17 in Tier II Severance Tax money to be used in the Invasive Phreatophyte Control Program. CWCB Staff put out the RFP for phreatophyte removal projects in August, and received \$3.7 million in ask on the November Application due date. CWCB Staff, Tamarisk Coalition, and the Colorado Department of Agriculture reviewed the applications and announced the awards on January 15, 2016. The awarded projects provide a geographic diversity to represent each basin that applied, and provide statewide impact. Due to Severance Tax projections, only \$1.5 million has been awarded at this time, in the hopes that more may become available. (*Chris Sturm, Erik Skeie*)

~COLORADO RIVER BASIN~

COLORADO RIVER WATER USE— As of January 5, 2016, the Lake Mead water level was at 1081.26 feet with 10.116 million acre-feet (MAF) of storage, or 39% of capacity, while the Lake Powell water level was at 3600.10 feet with 11.760 MAF of storage, or 48% of capacity. Total system active storage as of January 4 was 29.579 MAF, or 50% of capacity, which is the same as one year ago. As of January 5, 2016, the forecast unregulated inflow into Lake Powell for Water Year 2016 is 9.648 MAF, which is 89% of average.

2015 Water Use Forecast: As of January 4, the 2015 Reclamation estimate for the Lower Basin states' consumptive use of Colorado River water is 7.426 MAF, which includes Arizona at 2.618 MAF, California at 4.585 MAF, and Nevada at 0.222 MAF. The estimate for 2015 for California's agricultural consumptive use of Colorado River water is 3.272 MAF. The estimate for Metropolitan Water District of Southern California's 2015 use is 1.176 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 December 1, 2015 in Denver, CO. On December 2, 2015 the GC held a Structured Decision Making (SDM) workshop to kick off the "adjust" phase of adaptive management related to the conclusion that Short Duration High Flows (SDHFs) will not produce suitable nesting sandbars.

Agenda items for the GC meeting included regular committee meeting and budget updates, an update of the J2 Reservoir Project and elections. The GC received a presentation on the Independent Science Advisory Committee (ISAC) responses to PRRIP questions posed during the 2015 Adaptive Management Plan Reporting Session. The GC approved the FY16 budget, FY16 work plan, FY16 Executive Director's Office contract, and FY16 Executive Director's Office staffing plan. The GC authorized the Executive Director to begin negotiations to modify the existing water service agreement with Central Nebraska Public Power and Irrigation District for the J2 Reregulating Reservoir Project to do the following: a) eliminate further consideration of Reservoir Area 2; b) consider design options for a single maximum-sized reservoir within the existing available PRRIP budget; and c) lift the prior GC direction to pause land acquisition for the project. The GC also approved the process for compensating counties for lost tax revenue, extensions to the two water service agreements for the Elwood and Phelps County Canal recharge projects, an update to the Colorado Template Biological Assessment and Supplemental Worksheet, the return of North American Wetland Conservation Act (NAWCA) funds to the U.S. Fish and Wildlife Service to allow for continued work on a wetland restoration at the Speidell tract, moving 25 acres from Program Endangered Species Act lands to Program Clean Water Act lands, a sole source justification for Speidell tree pile clean-up, a multi-year prescribed Fire RFP, and six land operations

and maintenance plans. The GC discussed the 2016 Environmental Account (EA) Annual Operating Plan (AOP), the Elm Creek reservoir, and proposed transbasin diversion to the Republican River by others.

CWCB staff participated in the 2015 Adaptive Management Plan Reporting Session, Technical Advisory Committee (TAC), Land Advisory Committee (LAC), Water Advisory Committee (WAC), and Finance Committee (FC) meetings. The next regular GC meeting will be held on March 8-9, 2016 in Kearney, NE. For more information, please visit: <http://www.platterriverprogram.org/Pages/default.aspx>. (*Suzanne Sellers*)

~ WATER CONSERVATION AND DROUGHT PLANNING UPDATES ~

CWCB WATER EFFICIENCY GRANT FUND PROGRAM (WEGP) UPDATE—

No grant applications were received since the November 2015 Director's Report

One grant has been approved since the November 2015 Board meeting

- East Larimer Counter Water District - Water Efficiency Plan Update (\$21,120)

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

- Town of Telluride - Affordable Housing Facility Toilet Replacement Project - 50% & 75% Progress Report & Final Report
- Town of Windsor -Water Efficiency Plan Update -75% Progress Report
- City of Rifle - Water Efficiency Plan Update - 50% Progress Report
- Colorado WaterWise - Smart Phone App for Landscape Professionals & Utilities - Final Report
- Colorado Water Innovation Cluster - NetZero Water Template Toolkit - Final Report
- Little Thompson Water District - M36 Water Loss Control Audit - 50% Progress Report (*Ben Wade*)

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

DROUGHT MANAGEMENT PLANS:

Approved Plans

- Town of Erie

WATER EFFICIENCY PLANS:

Approved Plans:

- No new approved plans since last Board Meeting

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.

- Skyland Metro District
- Aurora Water
- Mount Crested Butte
- Southeastern Colorado Water Conservancy District Supplemental Regional Plan
- Cherokee Metropolitan District

Water Efficiency Plans in review:

- Town of Castle Rock
 - La Junta
 - City of Montrose
- (Kevin Reidy & Ben Wade)

GOVERNOR'S WATER AVAILABILITY TASK FORCE— The next Water Availability Task Force meeting will be held on January 20, 2016 from 1:00-2:30pm 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)

DROUGHT UPDATE— Ten percent of the state is currently classified as abnormally dry, but none of the state is in an active drought classification. Snowpack is near to above normal in most of the state and storage remains high. El Nino conditions remain and typically results in average to above average precipitation across the state for the snow accumulation season with most of that coming in March. (Taryn Finnessey)

CLIMATE PLAN WATER SECTOR STAKEHOLDER ENGAGEMENT SESSION— The Colorado Climate Plan release in September of 2015 set broad state agency level objectives for addressing climate change in Colorado. The plan brought together a number of initiatives and short-to-mid term goals, but it is only the beginning of the discussion. The Colorado Water Conservation Board wants input from the water community on how we should chart our path forward. What are the water sectors biggest concerns regarding climate change? How can the state help to address those? This is an opportunity for concerned citizen and water stakeholder to help shape the state's next steps in addressing climate change in the water sector. This session will be held January 27, 2016 in conjunction with the Colorado Water Congress Annual Convention. (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. At present time, Denver Water is still running numbers through their model. (Kevin Reidy)

CFWE CITIZEN'S GUIDE TO CONSERVATION WORKGROUP— Kevin Reidy is participating in the working group to develop the next CFWE Citizen's Guide to Conservation. The last edition was published in 2004 and much has changed since that time. Kevin attended the first brainstorming session in early August and CFWE staff created the outline for the next edition and the workgroup commented on the outline. The workgroup will review a couple of drafts over the coming months and the guide should be published at the end of March 2016. (Kevin Reidy)

SB15-008 IMPLEMENTATION— Kevin Reidy has begun working with counterparts from DOLA to create trainings specified in SB 15-008 (AKA the land use bill). This bill stated that the CWCB and DOLA would create trainings for land use and water planning professionals in order to incorporate water conservation and demand management best practices into land use planning. The project team has started meeting and forming an advisory group. Curriculum will be developed with webinars and in person trainings taking place in Spring-Summer of 2016. One training will take place at the Rocky

Mountain Land Use Institute's spring conference in early March. Additionally, Kevin will create guidelines on how covered entities integrate land use planning into their conservation plans. This will likely be an addition to the guidelines and guidance documents for conservation planning and will have to come before the CWCB board to be approved. (*Kevin Reidy*)

~WATERSHED AND FLOOD UPDATES~

MAPPING UPDATE—

FY15 Activities: The CWCB was awarded several FEMA grants this past year to fund Risk Map activities including: continuation of the Cache La Poudre Watershed Risk Map Project, develop approximate floodplain delineations in the Middle South Platte Watershed located in northeast Colorado, obtain IFSAR topographic data for over twenty un-modernized counties, continuation of Phase II of the flood forecasting tool development, and to begin Phase I of the Upper Gunnison Risk Map Project.

FY14 Activities: The erosion zone study for the Salt Creek Wash near the Town of Collbran in Mesa County has been completed and approved by FEMA. This report will be made available on the Risk Map website. Survey work has been put on hold for the Upper White (Rio Blanco County) Risk Map study due to access issues and weather. A First Order Approximate (FOA) or countywide approximate mapping, for El Paso County will begin in the Spring 2016. Other non-mapping projects funded by FEMA this year included 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. All of these projects have been completed and approved by FEMA.

FY13 Activities: The El Paso County as a partial Countywide DFIRM will be published in the Federal Register in the next couple of months and shortly after the appeal period will begin. Purgatoire Watershed and Pueblo County mapping projects are currently in review and are nearing the Preliminary phase.

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 tasks are anticipated to be completed in early spring 2016. A new FEMA grant was approved in September 2015 to complete additional tasks to finalize the maps as FEMA effective products.

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 was revised to include areas that were impacted by the flood. Work on Sunshine Canyon in now complete. Clear Creek Risk Map is in progress and the hydraulic analysis review has been completed by FEMA.

FY10 Activities: Chaffee and Pitkin Counties are now in the post preliminary phase. Both of these counties are awaiting the Federal Register posting before the appeal period will begin. Logan

County Letter of Final Determination (LFD) was distributed on November 16, 2015. The maps are anticipated to become effective on May 16, 2016.

FY09 Activities: The Morgan County DFIRM has been converted to a seclusion project, which means a portion of the Wiggins levee will not be showing protection. The preliminary map package is being finalized for review. The Prowers County DFIRM appeal period has ended and the LFD letters were distributed on October 19, 2015. The maps are anticipated to become effective on April 19, 2016.

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 and the remaining tasks were funded in 2013. 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.

FY06 Activities: Weld County completed the Appeal period in early December 2014. Weld County final DFIRMs will become effective in January 20, 2016. Fremont County DFIRMs became effective on January 6, 2012. Clear Creek County has gone effective July 17, 2012.

FY05 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.

FY04/03 Activities: Boulder County maps became effective on December 18, 2012.
(Thuy Patton)

SB 15-245 UPDATE—

Fluvial Hazard Program: Riverine erosion is a significant, but unstudied, flood risk for many Colorado communities. As recent events in September of 2013 demonstrated, relying only on Flood Insurance Rate Maps to manage floodplains and to reduce flood risk is insufficient to prevent future damages. Riverine erosion damaged structures elevated well above the regulatory water surface elevation and structures outside the regulatory floodplain were destroyed when the river banks migrate laterally. Senate Bill 15-245 directed the CWCB to develop a program for mapping erosion hazard areas. The CWCB will develop technical standards, conduct studies for communities requesting mapping, and provide regulatory guidance for erosion hazard areas. Once initial research has been conducted and a draft strategy has been identified, pilot studies will be

conducted to refine the methodology. At the conclusion of the pilot studies, technical standards for mapping erosion hazard areas will be created with the assistance of a technical expert panel. The CWCB will also provide regulatory guidance for communities to use when regulating development in erosion hazard areas. Two initial reports have been completed on regulatory considerations for fluvial hazard areas and technical standards for mapping. These reports will be posted soon on the State's hazard mapping website: <http://coloradohazardmapping.com/>
(*Jamie Prochno*)

Floodplain Hazard Mapping: Senate Bill 15-245 granted \$6.8 million to fund the Colorado Hazard Mapping Program. This bill is funding floodplain, erosion hazard, and debris flow mapping. The CWCB is responsible for both the floodplain and erosion zone mapping portions of the project. Currently, floodplain mapping is underway, and is being completed in multiple phases. The first phase is working to remap floodplains in the 2013 flood affected areas in Boulder, Larimer, Weld and parts of Gilpin and Jefferson Counties. Phase 1 is broken up into five tasks: 1) Field Reconnaissance & Survey, 2) Topographic Data Development, 3) Hydrology, 4) Hydraulics, and 5) Floodplain Mapping. To date the Field Reconnaissance & Survey task is complete, while the Topographic Data Development and Hydrology tasks are nearing completion for Phase 1. CWCB staff and their consultant team from AECOM meet quarterly with local and county officials within the project boundaries to give updates on the status of the program, discuss concerns, and ensure collaboration and transparency. The first quarterly meeting was held in November 2015, with the second to take place on February 10, 2016.
(*Stephanie DiBetitto*)

COLORADO HEALTHY RIVERS FUND UPDATE— CWCB staff received a letter from the Dept. of Revenue dated November 12, 2015 stating that the Colorado Healthy Rivers Fund did not receive the threshold amount of donations (\$75K) between Jan 1 and Sept 30, 2015. The program requires this in order to stay in the voluntary tax checkoff program. The program was well short of the mark with only \$61,348 donated during that time period. It will not appear on the 2015 tax form.

This unfortunate news will not have a big impact on funding for watershed health projects, but it will set the effort back from a branding perspective. In many ways the Colorado Healthy Rivers Fund (CHRF) was the “face” of the CWCB watershed protection and restoration effort. CHRF has introduced staff to many entities and efforts that were eligible for grants through other CWCB programs. Staff will continue to market the CWCB Colorado Watershed Restoration Program (CWRP) as a more robust, i.e. better funded, alternative. (*Chris Sturm*)

NEW SEEDING GENERATOR TARGETING TELLURIDE SKI AREA— As part of the CWCB program, state of the art well-sited ice nucleus generators are on the agenda. This helps develop new strategic ski area partnerships. The modern thinking is that seeding generators need to be at high elevations to routinely get silver into the cloud formation and be in areas of good airflow at or near the cloud base. Getting out of mountain valleys avoids silver being trapped in strong temperature inversions found in mountain canyons leading to wasted seeding solutions. Director Montgomery has been invaluable to modernization and more effective seeding in the southwest region.

The goal is to use funding wisely and get Colorado up to the industry standard. This project costs \$40,000 and was split between the Telluride Ski Area and CWCB. This new generator is at 8,800 feet and 11 miles upwind of the storm track to Telluride Ski Area. Many of the existing manually operated generators are 35 miles away and at much lower elevation. This general location was chosen by analysis done by Erik Skeie and Joe Busto, and the final site was refined by data provided by the Grand Junction National Weather Service. Local organic farmer Kris Holstrom will host this generator. Installed on December 8, 2015 there has been 15 hours of seeding for an estimated additional 224 AF or produced water.



Pictured is DRI#29 deployed above Sawpit, Colorado. This builds on similar success stories at Winter Park and on the Grand Mesa. *(Joe Busto)*

~AGENCY UPDATES~

FLOOD SECTION WELCOMES NEW EMPLOYEE— The Flood Section welcomes Jeffrey Conboy as a new employee serving as the Emergency Watershed Protection (EWP) Program Contracting Specialist. Jeff's first day was January 11, 2016, and his duties will include all accounting, tracking, and procurement for the \$56M EWP program, an NRCS-funded program that CWCB is managing on behalf of the State. Jeff was hired as a 3-year term-limited full-time position that will extend through late-2018. With Jeff's hire, the Flood Section now numbers seven employees. *(Kevin Houck)*

FLOOD SECTION HIRES PROGRAM MANAGEMENT CONSULTANT— The Flood Section has signed a master contract with Resilient Watershed Partners (RWP), a consulting team led by Enginuity Engineering Solutions, to provide program management and design services for the \$56M Emergency Watershed Protection (EWP) Program, an NRCS-funded program that CWCB is managing on behalf of the State. Jeff Sickles, P.E., will serve as the Program Manager for the program, and will work closely with CWCB Flood Section Staff to manage the overall program as well as the specific projects that will be funded by the program grants. The contract is anticipated to extend through late-2018, and uses Technical Assistance funds provided by the NRCS. *(Kevin Houck)*

~GENERAL ATTACHMENTS~

- 01 Steam and Lake Protection De Minimis Cases
- 02 Instream Flow and Natural Lake Level Program - Summary of Resolved Opposition Cases
- 03 2015 Small Project Loan Report

~LOAN PROGRAM ATTACHMENTS~

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**Director's Report Attachment – January 25-26, 2016 CWCB Meeting
Stream and Lake Protection Section De Minimis Cases**

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

Case No.	Applicant	Stream/ Case Number	ISF Amount	Percent Injury	Cumulative % Injury	Previous Cases
2-96CW017	Darrell R. Hamilton	Cottonwood Creek/ 2-79CW115	20 cfs (summer) 20 cfs (winter)	0.00009 % 0.00009 %	0.67613% 0.32461%	206
4-15CW3007	Erikson Springs Properties, LTD.	Anthracite Creek/ 4-06CW230	17 cfs (summer) 17 cfs (winter)	0.00534 % 0.02200 %	0.00534 % 0.02200 %	0

January 25-26, 2016 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. 3-14CW3030 - Application of Blanca Potato, LLC

The Board ratified this statement of opposition at its March 2015 meeting. The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicant's proposed change of water rights does not injure the Board's instream flow water right on Sangre de Cristo Creek by expansion of use or altering the time, place and amount of historical return flows. Staff, in cooperation with the Attorney General's Office, has negotiated a settlement to ensure that the CWCB's instream flow water rights will not be injured.

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

CWCB Case No.	Stream/Lake	Amount (cfs)	Approp. Date	Watershed	County
3-82CW230	Sangre de Cristo Creek	2.0	10/7/1982	Alamosa-Trinchera	Costilla

Applicant's engineer worked with CWCB staff to substantiate depletion locations and potential impacts to the instream flow from both the original well and the proposed well. The new depletions as compared to the original depletions, in time, place and amount, were determined to be non-injurious to the instream flow, as documented in the engineering report.

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

- Should Applicant desire to return Well No. 1016-R to active production, such action shall be subject to court approval in a change of water right action.

(2) Case No. 4-12CW143 - Application of Ronald E. Tipping, Marie E. Tipping, William R. Patterson and Rodney C. Power

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 Applicants proposed storage right does not injure the Board's instream flow water rights by inundation on North East 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 potential inundation shall be proposed to the board at a later date.

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
4-04CW159	North East Creek	1/5/0.7	1/28/2004	Lower Gunnison	Mesa

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

- "Applicants acknowledge that the CWCB holds an instream flow water right on North East Creek decreed in Case No. 04CW159, to preserve the natural environment to a reasonable degree ("NE Creek ISF"). The NE Creek ISF is senior in priority to the Tippings Solitude Lake and Tippings Solitude Lake Filler Pipeline water rights decreed herein (collectively, the "Solitude Lake Water Rights"). Construction and filling of the Tippings Solitude Lake will inundate a portion of North East Creek on which the NE Creek ISF is located." Applicants and CWCB have agreed to the terms and conditions to be implemented before any construction, filling, or diversion of water begins to protect the NE Creek ISF by processes, which include a proposal to the CWCB for inundation, as described in the stipulation and decree.
- "If a natural stream is used to convey stored water to the irrigated lands, appropriate transit losses will be assessed by the State and Division Engineers between the location of the reservoir release and re-diversion of the water downstream."
- "If applicant desires to release water from the reservoir for piscatorial instream use, the water will only be protected under CWCB's instream flow water right on North East Creek decreed in Case No. 04CW159 or any future instream flow within this reach under such an agreement. Any such agreement must be presented to and approved by the CWCB at a regularly scheduled board meeting pursuant to the CWCB's acquisition Rule 6 of the Rules Concerning the Colorado Instream Flow and Natural Lake Level program, 2 CCR 408-2 ("ISF Rules") or any comparable successor rule before it becomes effective."

(3) Case No. 4-14CW053 - Application of High Cimarron LLC

This case was stipulated, resolved, and reported to the Board at the September 2015 Board meeting. However, since that time the proposed decree was modified and an amended stipulation became necessary. The Board ratified the original statement of opposition at its March 2015 meeting. The Board's main objective in filing the statement of opposition in this case was to ensure that the Applicant's proposed change of water rights does not injure the Board's instream flow water right on the Cimarron River by expansion of use or altering the time, place and amount of historical return flows. 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
4-84CW395	Cimarron River	15/25	5/4/1984	Upper Gunnison	Montrose, Gunnison
4-84CW398	Cimarron River	16	5/4/1984	Upper Gunnison	Montrose

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

- “The Applicant will release water from Blue Mesa Reservoir pursuant to its long-term contract with the UGRWCD, up to 11.517 acre-feet per year, to meet a call for water on the mainstem Gunnison River. Augmentation by such releases involves an administrative exchange; the Upstream Terminus of the exchange being Coal Creek in the NE/4NE/4 of Section 35, Township 47 North, Range 7 West, N.M.P.M. and the Downstream Terminus being the confluence of the Cimarron River and the Gunnison River immediately downstream of the outlet of Morrow Point Reservoir. To meet a call for water on Coal Creek or the Cimarron River, Applicant will release up to 11.517 acre-feet of water stored in priority under its High Park Lake Reservoir Augmentation and Domestic Pool water right.”
- Because the Applicant also dropped its claim to use this water for a different entity without first obtaining a separate decree, some of the terms and conditions concerning that off-site use were not included in the amended stipulation and proposed decree.

(4) Case No. 4-14CW3084 - Application of Skyland Metropolitan District

The Board ratified this statement of opposition at its March 2015 meeting. The Board’s main objective in filing the statement of opposition in this case was to ensure that the Applicant’s proposed plan for augmentation does not injure the Board’s instream flow water rights on the Slate River and the East 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
4-80CW92C	Slate River	12/23	3/17/1980	East-Taylor	Gunnison
4-10CW180C	Slate River	0.22 - 0.77	5/12/1900	East-Taylor	Gunnison
4-83CW230	East River	10	6/3/1982	East-Taylor	Gunnison
4-83CW228	East River	27/50	6/3/1982	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:

- “The Skyland District will determine the actual delayed impacts [from its two well fields], including time, place and amount for each well drilled based upon the data collected from the well and its location within the well field. The Skyland District’s lagged depletion analysis and accounting forms shall be submitted to and approved by the Division Engineer. Depletion factors from the resulting analysis will be incorporated into the monthly accounting. The Skyland District will provide CWCB’s instream flow staff the lagged depletion analysis and any proposed accounting forms [for review and comment].”

(5) Case No. 7-06CW125 - Application of Dolores Water Conservancy District

The Board ratified this statement of opposition at its March 2007 meeting. The Board’s main objective in filing the statement of opposition in this case was to ensure that the Applicant’s proposed plans for augmentation and proposal to pump water from an underground storage reservoir that has not yet been proven to be hydraulically disconnected from the Dolores River and/or its alluvium do not injure the Board’s instream flow water rights on the Dolores River. A Stipulated Motion to Withdraw and Dismiss was filed on January 5, 2016. This case was dismissed by the Court per Order dated January 6, 2016.

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
7-84CW284	Dolores River	20	7/13/84	Upper Dolores	Dolores
7-84CW289	Dolores River	35/25	7/13/84	Upper Dolores	Dolores
7-84CW293	Dolores River	50/30	7/13/84	Upper Dolores	Dolores

(6) Case No. 7-14CW3003 - Application of Pagosa Area Water and Sanitation

The Board ratified this statement of opposition at its May 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 rights does not injure the Board’s instream flow water right on the San Juan River and the West Fork San Juan River by expansion of use or altering the time, place and amount of historical return flows. 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. A Decree was entered by the Court in this case on November 24, 2015.

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

CWCB Case No.	Stream/Lake	Amount (cfs)	Appropriation Date	Watershed	County
7-80CW40	San Juan River	50/30	1/30/1980	Upper San Juan	Archuleta
7-80CW41	West Fork San Juan River	25/14	1/30/1980	Upper San Juan	Archuleta, Mineral

This case involved an application for a correction to an established but erroneously described point of diversion pursuant to § 37-92-305(3.6). After investigation and several discussions and clarifications, staff agrees that the point of diversion for the water right was originally constructed at the decreed location, but was moved in 1979, prior to the instream flow appropriation, to address issues with the stream channel. Such move is reflected in the diversion records and an affidavit provided by the applicant. Therefore, The application appears to qualify as a 305(3.6) claim through the consideration of circumstances under § 37-86-111 referenced in § 37-92-305(3.6)(a)(II)(A) and will not physically impair the CWCB's instream flow rights.

PREFACE

Pursuant to Section 37-60-122(b) of the C.R.S. the Colorado Water Conservation Board (CWCB) is required to submit a report by January 15th of each year to the Colorado General Assembly describing the basis of all Construction Fund and Severance Tax Perpetual Base Fund loans authorized by the CWCB under \$10,000,000. This report fulfills the CWCB reporting obligations for those “Small Project” loans for calendar year 2015.

The report includes a summary spreadsheet identifying each loan approval date, the project sponsor or borrower, the project name, the loan amount, and the name of the County and river basin where the project is located. There were 15 new loan projects under \$10,000,000 approved by the CWCB in calendar year 2015. The total loan value is approximately \$29 million.

Included in the report is a loan project Data Sheet for each new loan project. The Data Sheet includes a project description, project location map, and other pertinent loan and project information.

January 12, 2016



COLORADO

Colorado Water Conservation Board

Department of Natural Resources

1313 Sherman Street, Room 718
Denver, CO 80203

January 15, 2016

The Honorable Senator Jerry Sonnenberg
Chair, Senate Agriculture, Natural Resources, and Energy Committee

The Honorable Representative Edward Vigil
Chair, House Agriculture, Livestock and Natural Resources Committee

Re: 2015 Small Project Loan Report
Construction Fund and Severance Tax Perpetual Base Fund

Dear Senator Sonnenberg and Representative Vigil,

Pursuant to C.R.S. § 37-60-122(b), the Colorado Water Conservation Board (CWCB) is submitting the attached written determination of the basis for all loans under \$10,000,000 authorized during the 2015 calendar year. The report will be presented to the CWCB at the January 25, 2016 Board meeting.

The report will be posted on the web at www.leg.state.co.us and on the CWCB website www.cwcb.state.co.us. A copy of the report has been submitted to the Legislative Library, Room 029 of the State Capitol Building. Paper copies of the Report will be made available upon request.

If you have questions or need additional copies of the report, please contact Mr. Gaspar Perricone, Legislative Liason, at 303-866-3311 x8664.

Sincerely,

James Eklund, Director
Colorado Water Conservation Board



Colorado Water Conservation Board

CONSTRUCTION FUND
AND
SEVERANCE TAX
PERPETUAL BASE FUND

2015 SMALL PROJECT LOAN REPORT



COLORADO

**Colorado Water
Conservation Board**

Department of Natural Resources

Colorado Water Conservation Board
Department of Natural Resources

January 15, 2016

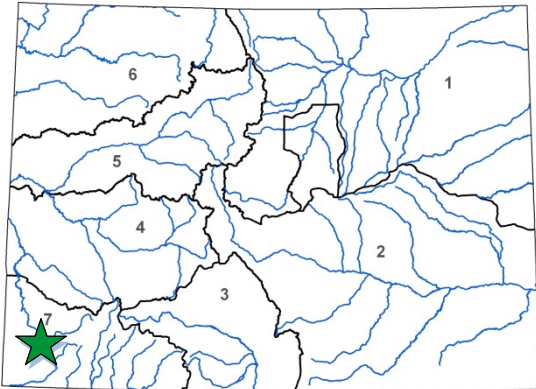
Colorado Water Conservation Board
Small Project Loans - Construction and Severance Tax Funds
For Calendar Year 2015

Project	Date Approved	Borrower	Project	Amount Approved	Funding Source *	County	Basin
1	01/27/15	City of Cortez	Water Meter Replacement Project	\$858,500.00	CF	Montezuma	San Juan/ Dolores
2	03/20/15	Bow Mar Water & Sanitation District	Rehabilitation and Replacement of Water Meters	\$332,795.00	CF	Arapahoe/ Jefferson	Metro
3	05/22/15	Lower Arkansas Valley Water Conservancy District	Water Rights Purchase	\$2,560,350.00	ST	Bent/ Crowley/ Prowers/ Pueblo	Arkansas
4	05/22/15	Lower Poudre Augmentation Company	Cornish Water Rights Purchase	\$1,163,015.00	ST	Larimer/ Weld	South Platte
5	05/22/15	Plum Valley Heights Subdistrict of the Roxborough Water and Sanitation District	Raw Water Supply Project	\$2,248,260.00	CF	Douglas	South Platte
6	05/22/15	Uncompahgre Valley Water Users Association	Drop 5 Hydroelectric Project	\$6,999,300.00	ST	Montrose/ Delta	Gunnison
7	07/20/15	Oligarchy Irrigation Company	Dam Outlet Works Rehabilitation	\$781,740.00	CF	Boulder	South Platte
8	09/18/15	Brighton Ditch Company	River Breach Repair Project	\$481,770.00	CF	Adams	South Platte
9	09/18/15	Colorado Park & Wildlife	Chatfield Reallocation	\$7,000,000.00	CF	Douglas	South Platte
10	09/18/15	City of Lamar	Repurposing of Wells 12 and 13	\$101,000.00	ST	Prowers	Arkansas
11	09/18/15	Fort Lyon Canal Company	Replacement of the Horse Creek Flume	\$1,629,130.00	ST	Otero/ Bent/ Prowers	Arkansas
12	09/18/15	Lower Poudre Augmentation Company	Box Elder Ditch Water Rights Purchase	\$454,500.00	ST	Larimer/ Weld	South Platte
13	09/18/15	Parkville Water District	Evans Reservoir Bypass Flume Replacement	\$181,800.00	ST	Lake	Arkansas
14	09/18/15	Tunnel Water Company	Laramie-Poudre Tunnel Rehabilitation Project	\$1,111,000.00	CF	Larimer	North Platte/ South Platte
15	11/20/15	Lookout Mountain Water District	Upper Beaver Brook Dam Spillway	\$3,099,690.00	CF	Clear Creek	South Platte
New Small Project Loans Approved in 2015				\$29,002,850.00			
Loan Increases							
	01/27/15	East Mesa Water Company	Ditch Piping Project	\$202,000.00	CF	Pitkin/Garfield	Colorado
	01/27/15	Santa Maria Reservoir Company	Continental Dam Spillway Restoration Project	\$606,000.00	CF	Hinsdale/Mineral	Rio Grande
	07/20/15	Pisgah Reservoir and Ditch Company	Mt Pisgah Dam/Wrights Reservoir Outlet Works Rehab.	\$623,170.00	CF	Teller	Arkansas
	09/18/15	North Poudre Irrigation Company	Fossil Creek Reservoir Diversion Structure Repair	\$394,910.00	ST	Larimer	South Platte
	11/20/15	Lake Canal Reservoir Company	North Gray Reservoir Rehabilitation	\$87,673.00	CF	Larmier/Weld	South Platte
	11/20/15	Greeley & Loveland Irrigation Company	Irrigation Systems Improvements	\$590,850.00	CF	Larimer	South Platte
Loan Increases Approved in 2015				\$2,504,603.00			
Total Amount Approved in 2015				\$31,507,453.00			

* Indicates whether the funding source is from Construction Fund (CF) or Severance Tax Fund (ST)



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
0%	100% Low - 0% Mid - 0% High
	Commercial
	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.





COLORADO
Colorado Water
Conservation Board
Department of Natural Resources

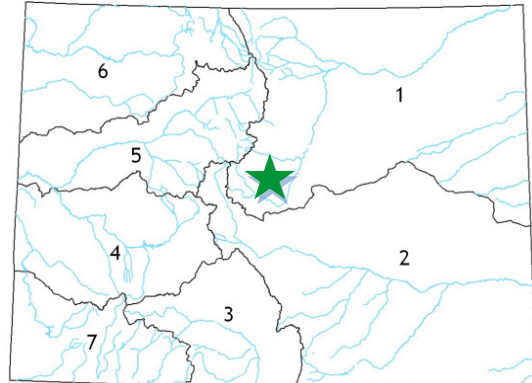
Rehabilitation and Replacement of Water Meters

Bow Mar Water & Sanitation District

March 2015 Board Meeting

Water Project Loan Program
Project Data Sheet

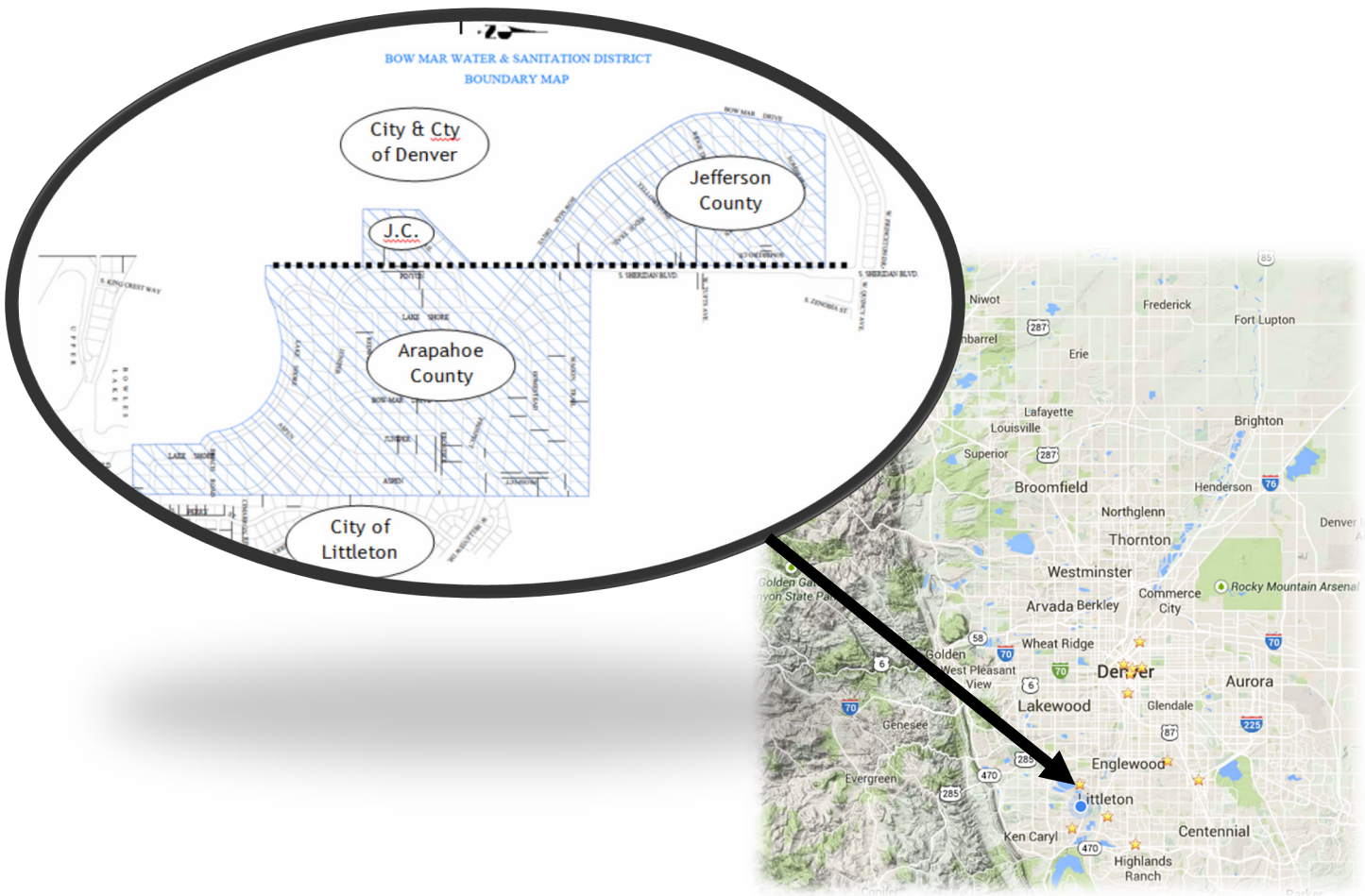
L O A N D E T A I L S				
Project Cost:			\$366,102	
CWCB Loan (with Service Fee):			\$332,795	
Loan Term and Interest Rate:			10 Years @ 2.65%	
Funding Source:			Construction Fund	
Agriculture		Municipal		Commercial
0%	0% Low	0% Mid	100% High	0%
P R O J E C T S U M M A R Y				
Project Type:			Municipal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



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

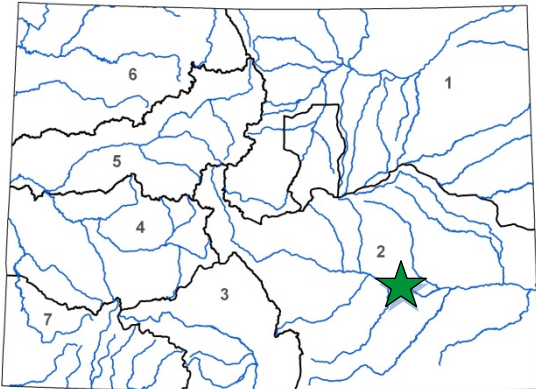
L O C A T I O N	
County:	Arapahoe & Jefferson
Water Source:	Denver Water (Master Meter)
Drainage Basin:	Metro
Division:	1 District: 9

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





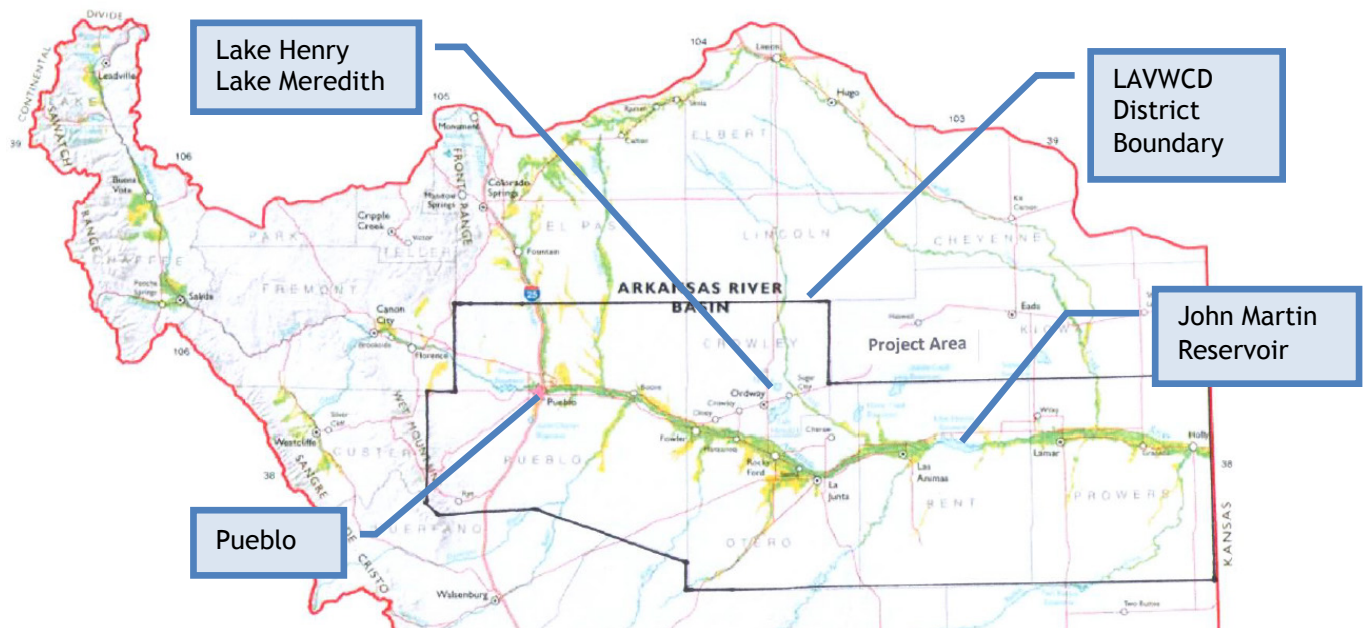
L O A N D E T A I L S	
Project Cost:	\$4,077,000
CWCB Loan (with Service Fee):	\$2,560,350
Loan Term and Interest Rate:	20 years @ 1.45%
Funding Source:	Severance Tax Perpetual Base Fund
B O R R O W E R T Y P E	
Agriculture	Municipal Commercial
100%	0% Low 0% Mid 0% High 0%
P R O J E C T D E T A I L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



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

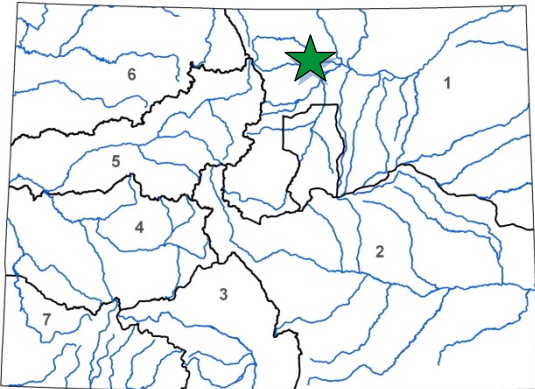
The Lower Arkansas Valley Water Conservancy District supports agriculture in the Lower Arkansas River valley, participating in water-related projects and providing water for Rule 10 and Rule 14 plans in compliance with the Arkansas River Compact, the Catlin Following-Leasing pilot project, and leases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

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





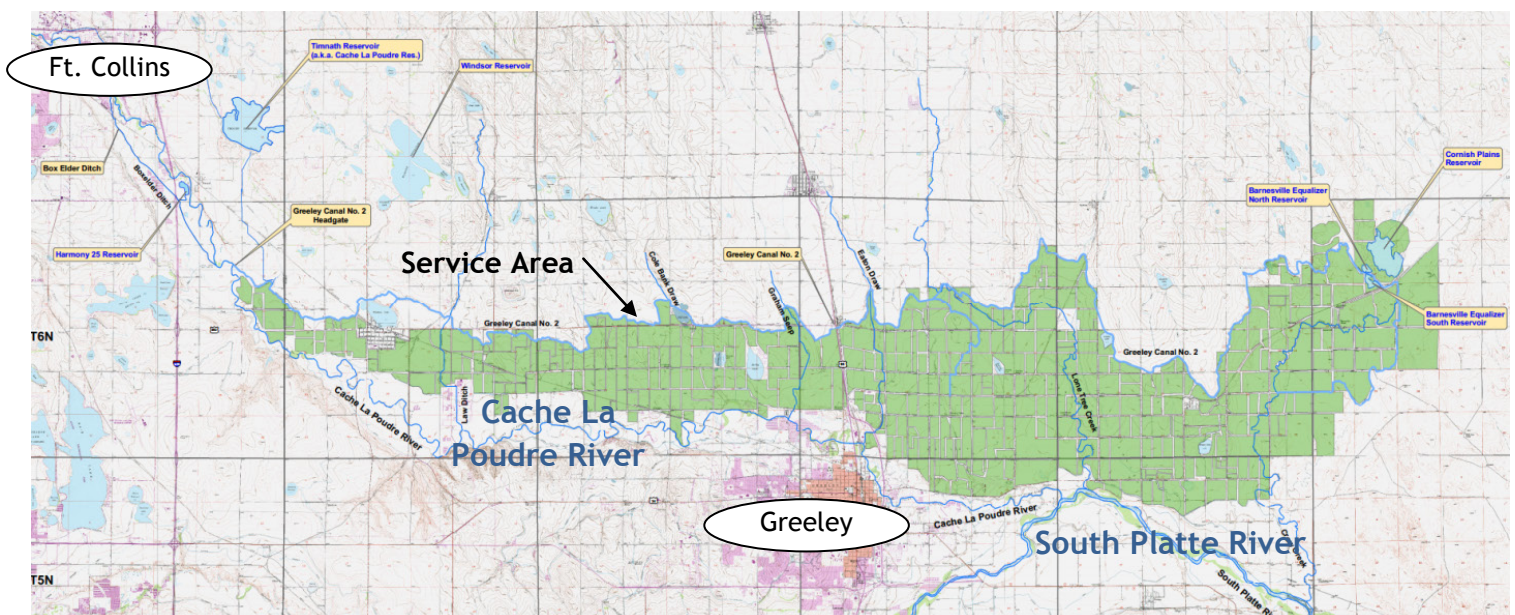
L O A N D E T A I L S	
Project Cost:	\$1,279,500
CWCB Loan (with Service Fee):	\$1,163,015
Loan Term and Interest Rate:	30 Years @ 1.75%
Funding Source:	Severence Tax Perpetual Base Fund
B O R R O W E R T Y P E	
Agriculture	Municipal Commercial
94%	1% Low - 4% Mid - <1% High 1%
P R O J E C T D E T A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



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

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

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



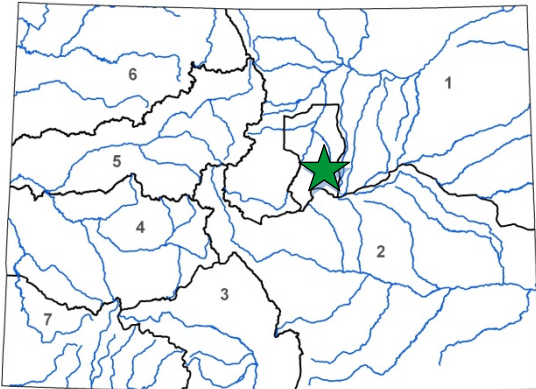


Raw Water Supply Project

Plum Valley Heights Subdistrict of the Roxborough Water and Sanitation District

May 2015 Board Meeting

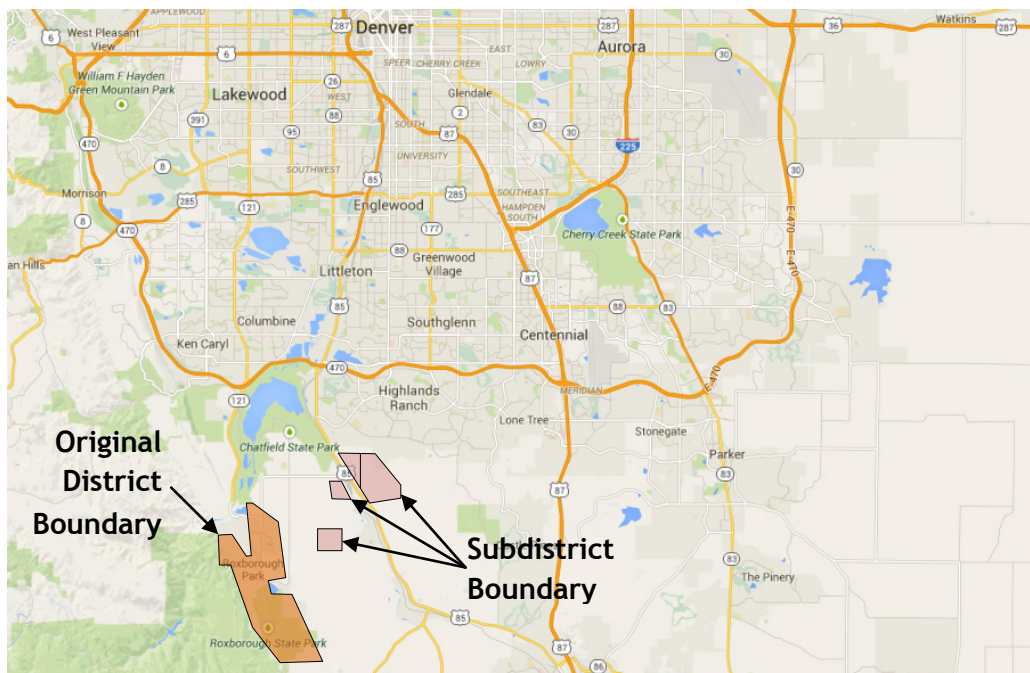
L O A N D E T A I L S	
Project Cost:	\$2,473,605
CWCB Loan (with Service Fee):	\$2,248,260
Loan Term and Interest Rate:	30 Years @ 3.05%
Funding Source:	Construction Fund
B O R R O W E R T Y P E	
Agriculture	Municipal
0%	0% Low - 0% Mid - 100% High
Commercial	0%
P R O J E C T D E T A I L S	
Project Type: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



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

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

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



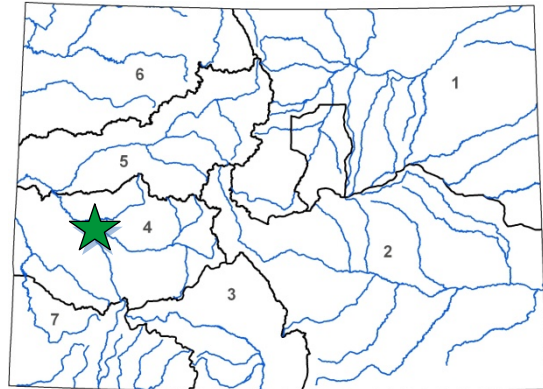


Drop 5 Hydroelectric Project

Uncompahgre Valley Water Users Association

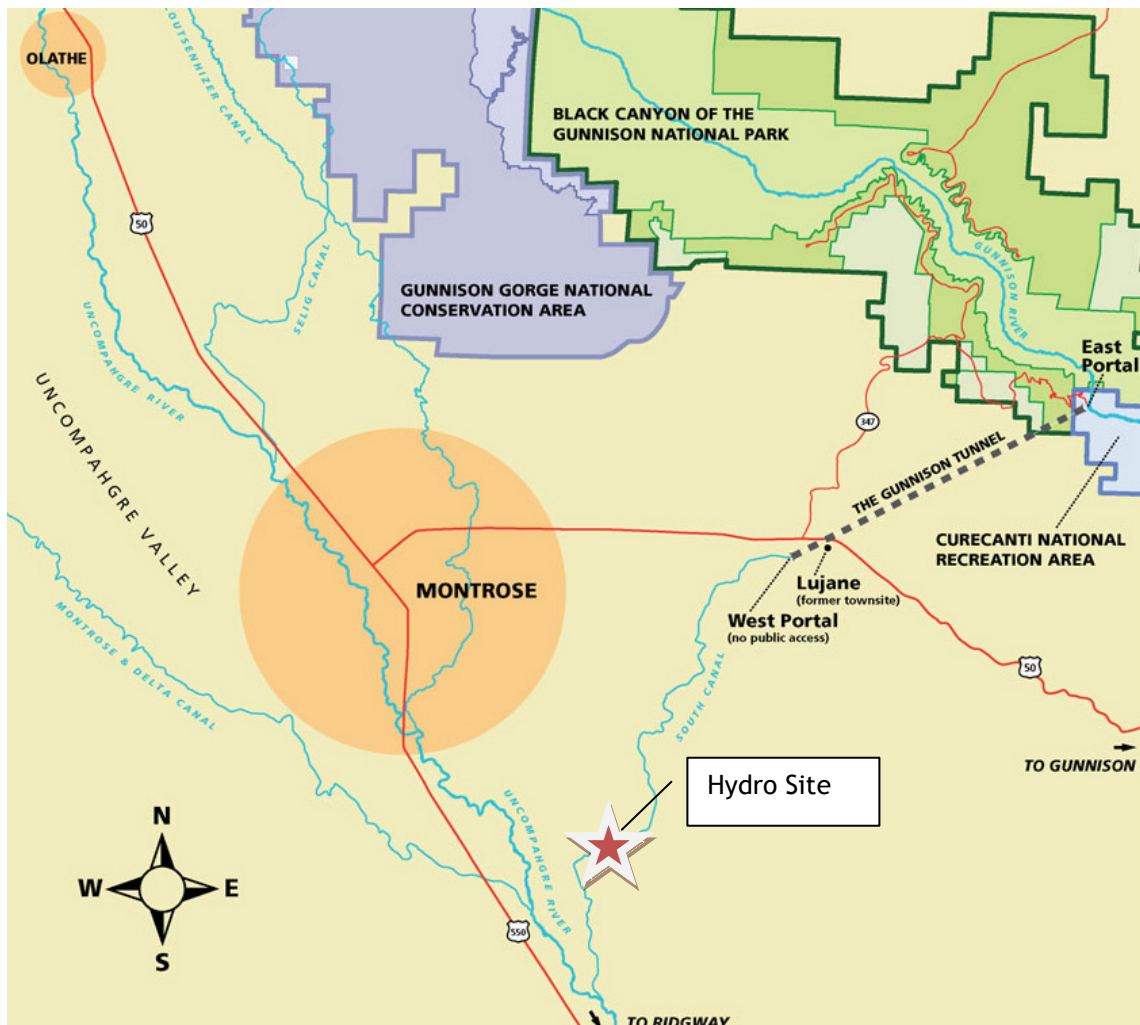
May 2015 Board Meeting

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



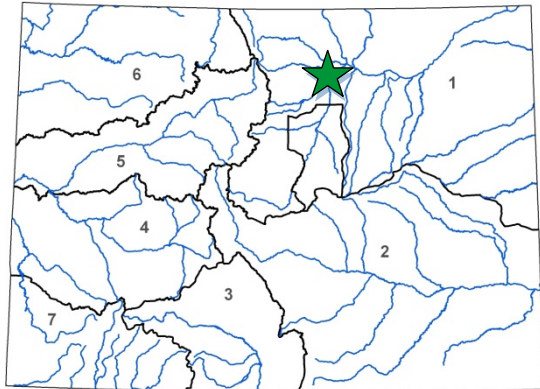
L O C A T I O N	
County:	Montrose & Delta
Water Source:	Gunnison River
Drainage Basin:	Gunnison
Division:	4
District:	41

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



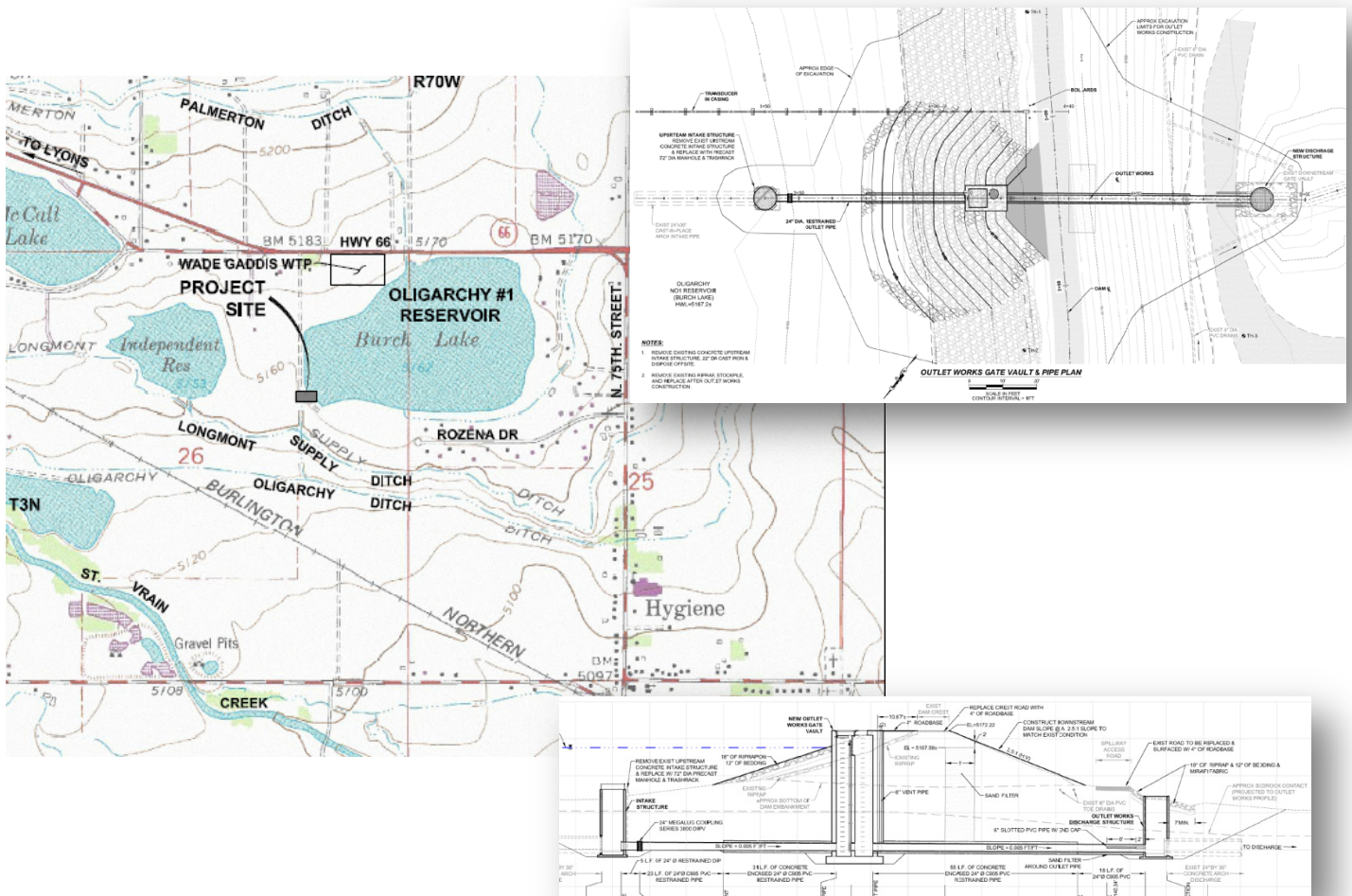


L O A N D E T A I L S	
Project Cost:	\$860,000
CWCB Loan (with Service Fee):	\$781,740
Loan Term and Interest Rate:	30 Years @ 2.40%
Funding Source:	Construction Fund
B O R R O W E R T Y P E	
Agriculture	Municipal (TBD)
25.4%	0% Low - 74.6% Mid - 0% High
Commercial	0%
P R O J E C T D E T A I L S	
Project Type:	Dam Rehabilitation
Average Annual Delivery:	7,966 AF
Water Supply Storage Preserved:	1,737 AF



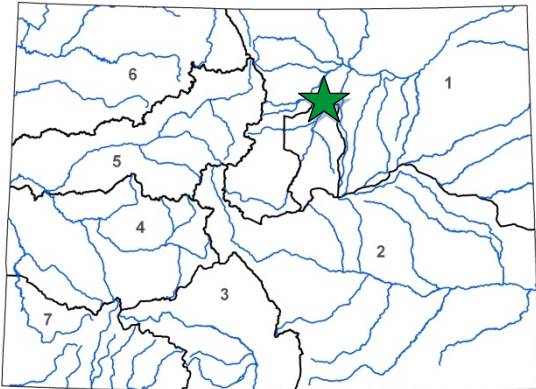
L O C A T I O N	
County:	Boulder
Water Source:	St Vrain Creek
Drainage Basin:	South Platte
Division:	1
District:	5

The Oligarchy Irrigation Company owns and operates the Oligarchy #1 Dam and Reservoir, also known as Burch Lake. The reservoir stores 1,737 acre-feet of water and is classified as a significant hazard dam by the Office of the State Engineer (SEO). The purpose of the project is to rehabilitate the Oligarchy Reservoir No.1 dam outlet works to include a new unpressurized outlet pipe, an upstream guard gate, and a way to inspect the outlet works system. Construction is expected to occur in fall of 2015.





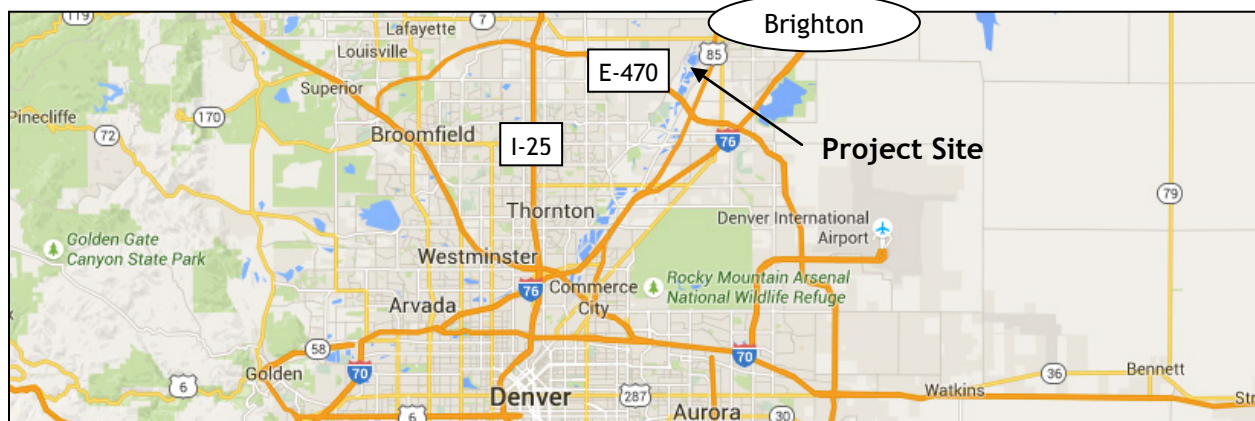
L O A N D E T A I L S	
Project Cost:	\$530,000
CWCB Loan (with Service Fee):	\$481,770
Loan Term and Interest Rate:	30 Years @ 2.55%
Funding Source:	Construction Fund
B O R R O W E R T Y P E	
Agriculture	Municipal Commercial
36%	0% Low - 53% Mid - 5% High 5%
P R O J E C T D E T A I L S	
Project Type:	Ditch Rehabilitation
Average Annual Diversion:	7,125 AF



L O C A T I O N			
County:		Adams	
Water Source:		South Platte River	
Drainage Basin:		South Platte	
Division: 1		District: 2	

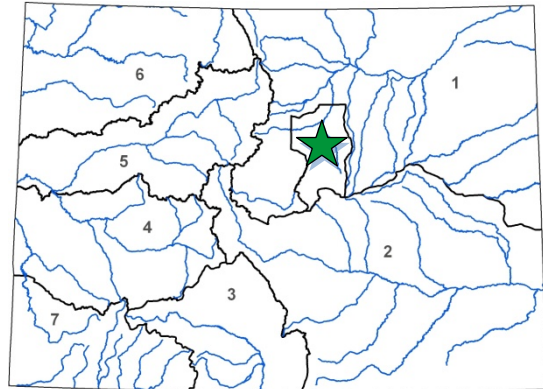
The Company is located in Adams County and operates the Brighton Ditch for the benefit of its shareholders. The ditch diverts from the South Platte River, west of the City of Brighton, and delivers water to approximately 1,840 acres in Adams and Weld County. Irrigated acreage within the service area is primarily used for crop production for sale in local markets with some hay production for cattle feed or sale. Water at the end of the ditch is measured by an augmentation station used by four shareholders: Central Colorado Water Conservancy District, South Adams County Water & Sanitation District, the City of Aurora, and the City of Westminster.

In May and June of 2015, the South Platte River experienced extended high flows. This resulted in a breach of the river between the Company's diversion structure and the upstream Ken Mitchell Ponds headgate owned by the City of Brighton. Approximately 120 feet of the east bank was washed out, directing the river away from the Company's diversion. The City of Brighton owns the property where the breach is located and the City of Aurora owns the Prairie Water Pipeline which was exposed by this breach. Neither the City of Brighton nor Aurora planned any immediate repairs to the breach. In order to restore flows to its headgate, the Company constructed a cofferdam on the east bank of the river to close this breach in July 2015.





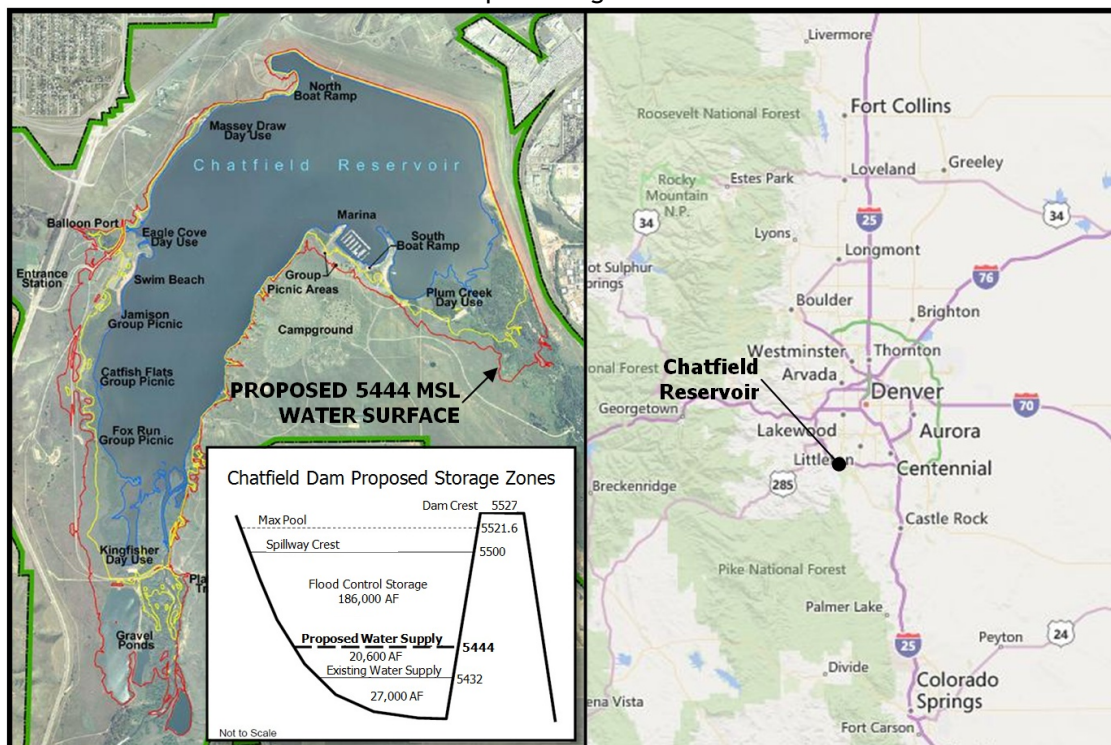
L O A N D E T A I L S	
Project Cost:	\$7,000,000
CWCB Loan:	\$7,000,000
Loan Term and Interest Rate:	30 Years @ 0%
Funding Source:	Construction Fund
B O R R O W E R T Y P E	
State Government - DNR Agency	
P R O J E C T D E T A I L S	
Project Type:	Reservoir Storage
Added Water Supply Storage:	1,000 AF



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

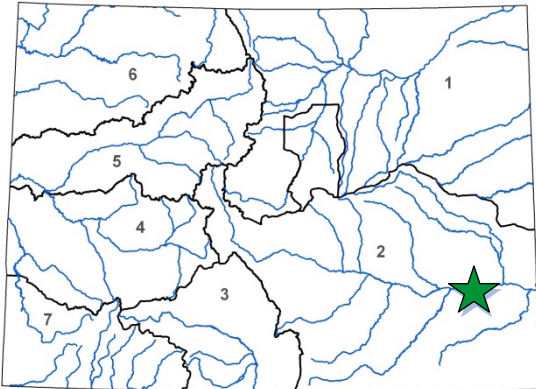
Colorado Parks and Wildlife (CPW) is working cooperatively with the Colorado Water Conservation Board (CWCB) to arrange for financing related to the Chatfield Reservoir Reallocation Project (Project). CWCB is currently holding 1,000 AF of Project storage space on behalf of CPW within a larger “orphan share” pool. The two agencies are now ready to officially transfer the 1,000 AF back to CPW as an asset moving forward.

The Chatfield Reallocation Project is a regional water supply project that makes use of an existing federal reservoir owned and operated by the U.S. Army Corps of Engineers (Corps). It currently provides for flood protection, water supply, and recreation. Chatfield State Park is an important asset to CPW and the community, and has been a centerpiece of the planning and permitting process. The reservoir is strategically located just upstream of the Denver Metropolitan area at the confluence of the South Platte River and Plum Creek, which enhances the viability of increased water supply and multi-objective reservoir uses. The Project involves reallocation of 20,600 acre-feet of storage space in the existing reservoir. A final Feasibility Report & Environmental Impact Statement (FR/EIS) was published in 2013, followed by project approval and a Record of Decision (ROD) issued by the Assistant Secretary of the Army for Civil Works in 2014. Further, a Water Storage Agreement between the Department of Natural Resources and the Corps was signed in October 2014.



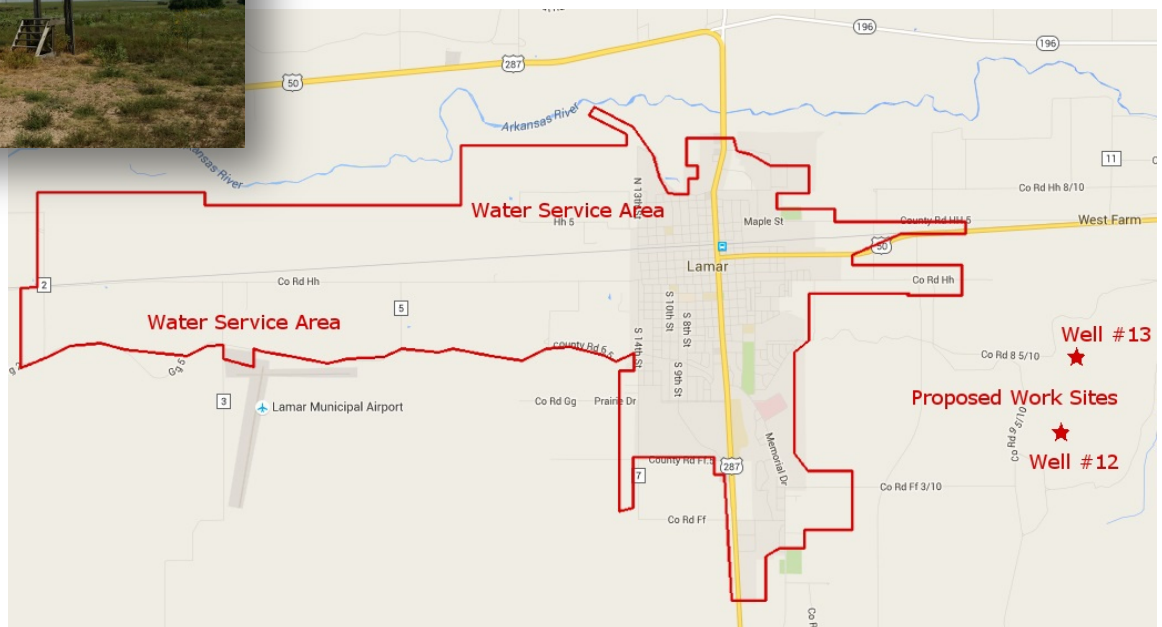


L O A N D E T A I L S	
Project Cost:	\$400,000
CWCB Loan (with Service Fee):	\$101,000
Loan Term and Interest Rate:	10 Years @ 1.95%
Funding Source:	WSRA & Sev. Tax Perpetual Base Fund
B O R R O W E R T Y P E	
Agriculture	Municipal Commercial
0%	100% Low - 0% Mid - 0% High 0%
P R O J E C T D E T A I L S	
Project Type:	Municipal & Industrial
Average Annual Delivery:	2,005 AF



L O C A T I O N	
County:	Prowers
Water Source:	Arkansas River
Drainage Basin:	Arkansas River
Division:	2 District: 67

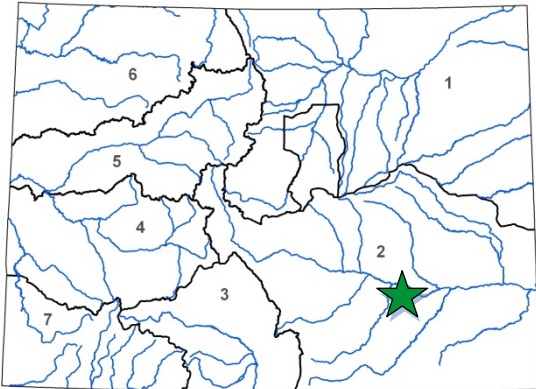
The City of Lamar, through its Water and Wastewater Department, has been providing the city with water and sewer services for over 135 years. Although the City has undertaken numerous upgrades, rehabilitation, and expansion projects over the years, most of the existing infrastructure was funded and built during New Deal-era programs. The City's Wells 12 and 13 were developed in the 1950s and used for municipal potable water supply until 2012, when Microscopic Particulate Analysis water quality testing was conducted, resulting in a reclassification of both wells as Ground Water Under Direct Influence of Surface Water (GWUDI) by the Colorado Department of Public Health and Environment (CDPHE). The wells were taken out of service at that time. A Feasibility Study conducted in 2014 concluded that it is feasible to redevelop both wells for non-potable irrigation use. Once this project is completed, water can be used for any non-potable municipal application, including irrigation of a city-owned cemetery and a golf course, both of which are currently watered with potable water.



Water Project Loan Program - Project Data Sheet

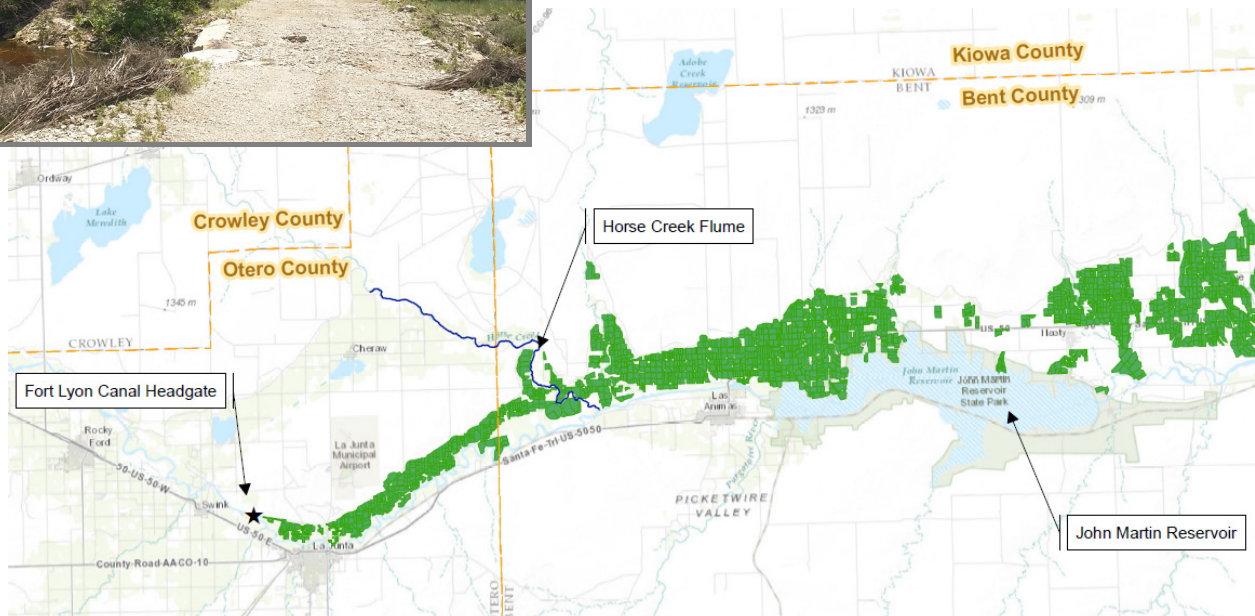


L O A N D E T A I L S	
Project Cost:	\$2,188,000
CWCB Loan (with Service Fee):	\$1,629,130
Loan Term and Interest Rate:	30 Years @ 1.75%
Funding Source:	WSRA & Sev. Tax Perpetual Base Fund
B O R R O W E R T Y P E	
Agriculture	Municipal Commercial
99%	0% Low - 0% Mid - 0% High 1%
P R O J E C T D E T A I L S	
Project Type:	Ditch Rehabilitation
Average Annual Delivery:	221,000 AF



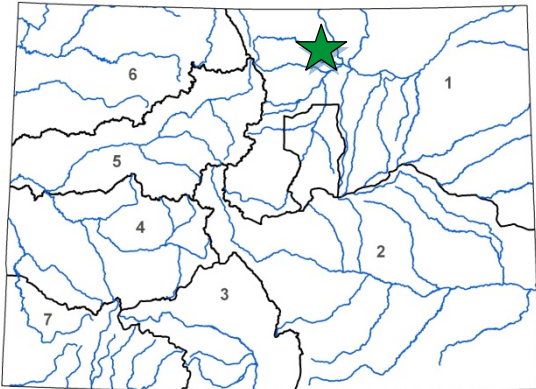
L O C A T I O N	
County:	Otero, Bent, Prowers
Water Source:	Horse Creek
Drainage Basin:	Arkansas River
Division:	2 District: 17

The Horse Creek Flume has been in operation since 1938. The flume is a 400-foot-long, 10-foot-diameter, elevated steel pipe located on the Fort Lyon Canal where it crosses Horse Creek, approximately 10 miles northeast of La Junta and about 8 miles west of Las Animas, in Bent County, Colorado. Three different Professional Engineers have assessed the flume and all found it to be in extremely poor condition and in need of immediate replacement. Failure of the flume, designed to convey 1800 cfs, could result in the loss of more than \$50 million in crop revenue and loss of supply to more than 14,000 acres of wildlife habitat in the downstream Queens and Thurston State Wildlife Areas. Despite ongoing repairs over the years, the flume has reached the end of its service life and the Company seeks to replace it.





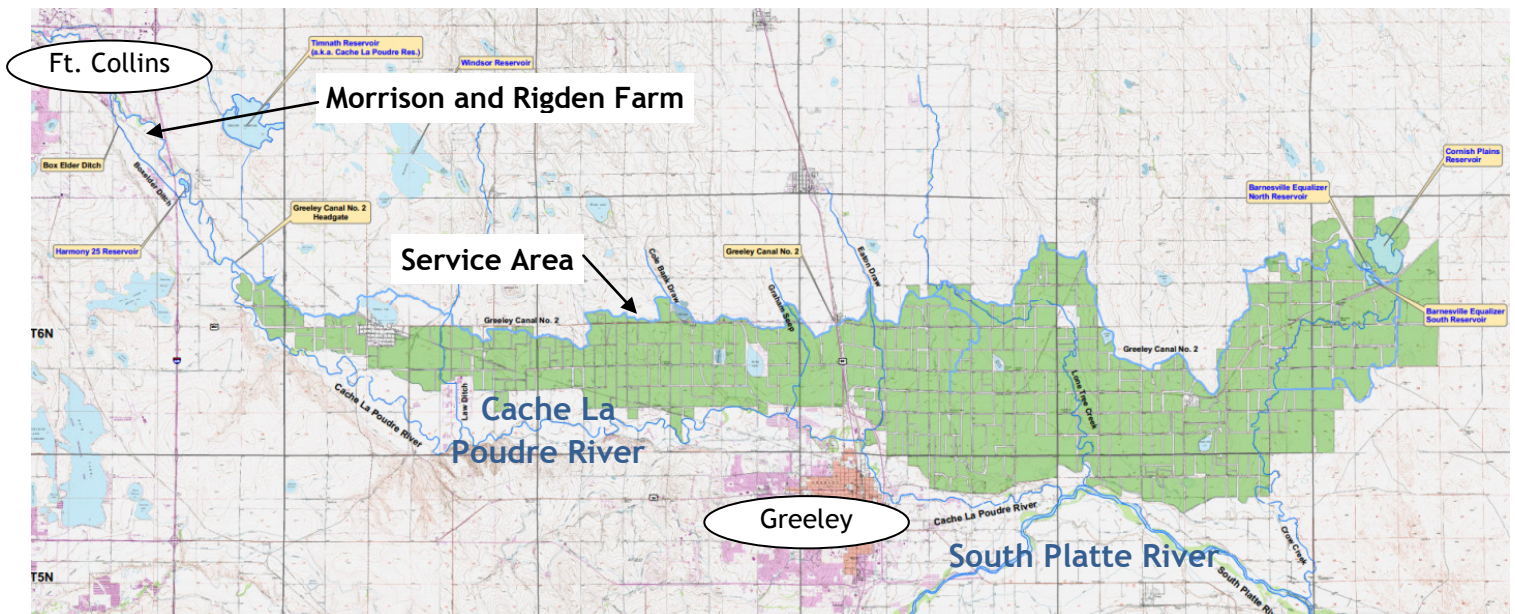
L O A N D E T A I L S	
Project Cost:	\$500,000
CWCB Loan (with Service Fee):	\$454,500
Loan Term and Interest Rate:	30 Years @ 1.85%
Funding Source:	Severance Tax Perpetual Base Fund
B O R R O W E R T Y P E	
Agriculture	Municipal Commercial
94%	1% Low - 4% Mid - <1% High 1%
P R O J E C T D E T A I L S	
Project Type:	Water Rights Purchase
Average Annual Delivery:	4,000 AF



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

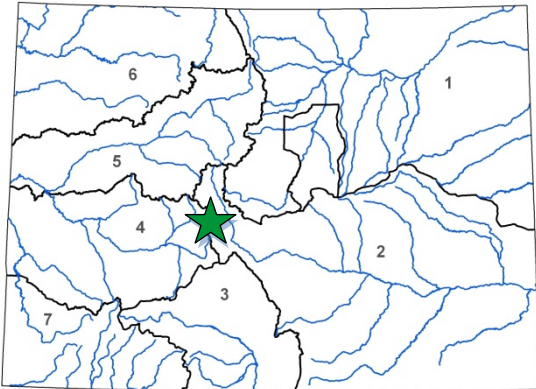
The Lower Poudre Augmentation Company provides augmentation water for 62 irrigation wells in Larimer and Weld Counties owned by 28 individual owners. The wells provide irrigation water to 4,000 acres. The Company currently has in place 1 AF of augmentation water per irrigated acre quota due to a limited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

The Company seeks to purchase 0.5 Box Elder Ditch shares historically used on the Morrison Farm, and 1.5 Box Elder Ditch shares historically used on the Rigden Farm (Subject Shares). The land historically irrigated by the Subject Shares is now the site of an active gravel pit and will become a lined reservoir at the conclusion of mining. Therefore, dry-up associated with the Subject Shares has already occurred. It is expected that while the Subject Shares are undergoing a change of use case in water court, that they will be available for use in the Company's augmentation plan as early as 2016 through a Substitute Water Supply Plan.





L O A N D E T A I L S	
Project Cost:	\$533,430
CWCB Loan (with Service Fee):	\$181,800
Loan Term and Interest Rate:	10 Years @ 1.95%
Funding Source:	WSRA & Sev. Tax Perpetual Base Fund
B O R R O W E R T Y P E	
Agriculture	Municipal
0%	100% Low - 0% Mid - 0% High
P R O J E C T D E T A I L S	
Project Type:	Municipal & Industrial
Average Annual Delivery:	1,500 AF



L O C A T I O N	
County:	Lake
Water Source:	Evans Gulch
Drainage Basin:	Arkansas River
Division:	2
District:	11

The Evans Reservoir Bypass Flume, constructed around 1904, is a wooden trough measuring 6' x 5' x 450', including inlet and outlet structures. The flume carries Evans Creek contaminated water around Evans Reservoir and through the dam.

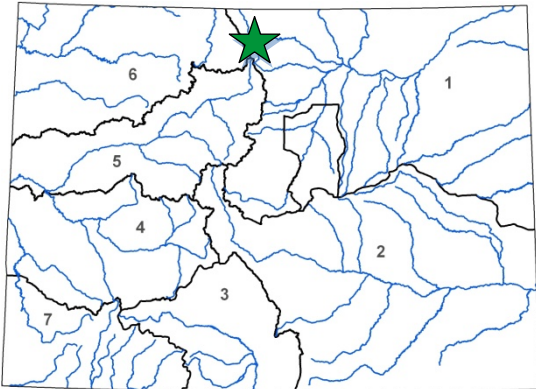
Annual maintenance of the wooden structure has required increasingly heavy efforts and expense. Heavy runoff events in the last several years have caused the condition of the flume to become an extremely urgent situation. 8,000 acres of deep snow must be channeled through the flume during spring runoff each year. In the spring of 2014, sudden runoff combined with spring rains resulting in an unusually high snow melt. The flume was nearly overwhelmed and the portion that passes over the abutment of the dam failed. Fairly serious erosion of the dam resulted, but emergency repairs prevented further damage and contamination of the water supply. Runoff in 2015 was unusually high as well, due to the amount of snowfall in April and unusually warm temperatures in June, necessitating emergency action again. The State Engineer's Office has strongly recommended that the flume be replaced. This project proposes a buried pipeline to replace the flume. Concrete inlet and outlet structures will be constructed, and a trash rack will be installed at the inlet.

The two primary objectives of the project are to protect water quality for the City of Leadville, and to prevent failure of the Evans Reservoir dam.





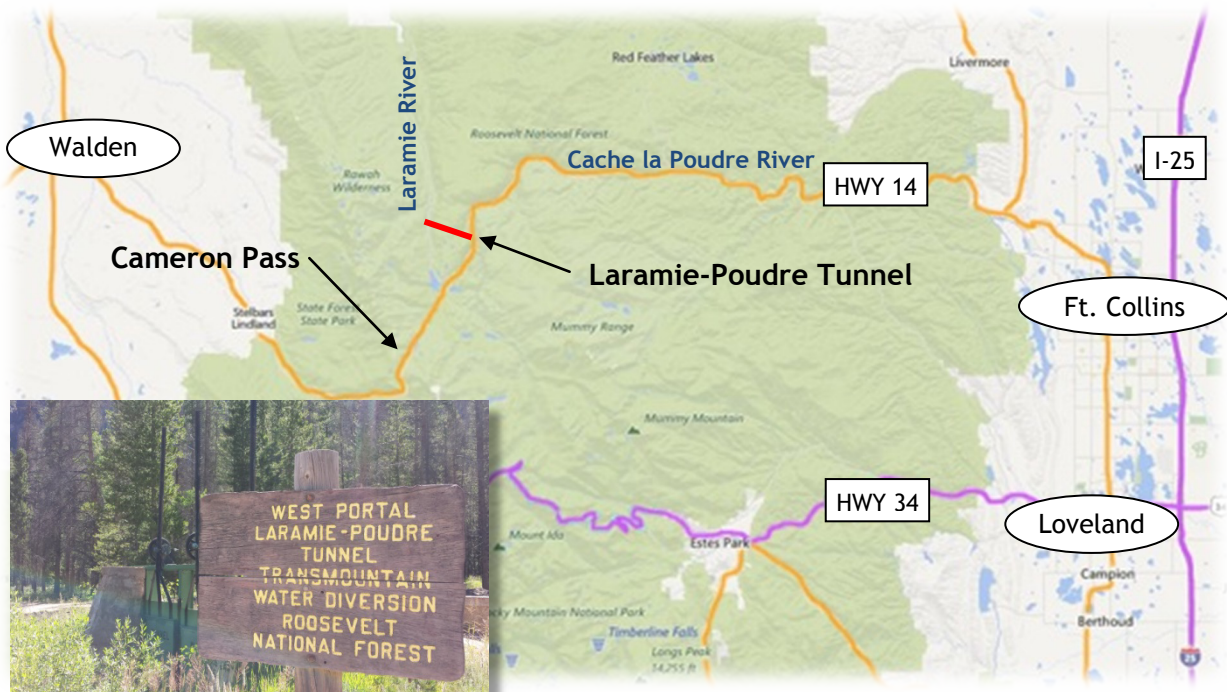
L O A N D E T A I L S	
Project Cost:	\$1,225,000
CWCB Loan (with Service Fee):	\$1,111,000
Loan Term and Interest Rate:	30 Years @ 2.55%
Funding Source:	Construction Fund
B O R R O W E R T Y P E	
Agriculture	Municipal Commercial
24%	20% Low - 24% Mid - 32% High 0%
P R O J E C T D E T A I L S	
Project Type:	Ditch Rehabilitation
Average Annual Diversion:	6,875 AF



L O C A T I O N	
County:	Larimer
Water Source:	Laramie River
Drainage Basin:	North Platte/South Platte
Division:	1 District: 48/3

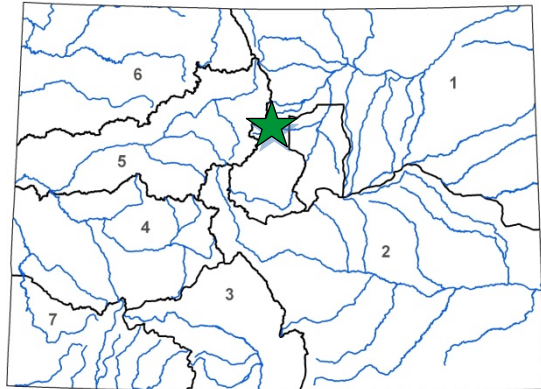
The Tunnel Water Company operates the Laramie-Poudre Tunnel for the benefit of its two shareholders: Water Supply and Storage Company (WSSC) and Windsor Reservoir and Canal Company (WRCC). The tunnel diverts from the Laramie River, about 60 miles west of Fort Collins, and delivers water through a 2.15-mile tunnel to the Poudre River. WSSC delivers irrigation water to its shareholders, primarily for agricultural irrigation on approximately 40,000 acres lying below the Larimer County Canal. WRCC delivers water to its municipal shareholders via the Soldier Canyon and Bellvue Water Treatment Plants.

The Company purchased the Laramie Poudre Tunnel and its adjoining Laramie River System in 1938. The west portal (inlet) has deteriorated since it was originally constructed in 1910. The interior timber cribbing and concrete lining are at or near the end of their useful lives and the steepness of the slope of this section makes it very difficult to access the tunnel for maintenance. Additionally the east portal's (outlet) concrete energy attenuation structure, which has been resurfaced many times before, is heavily spalled and near failure. The Company is seeking this CWCB loan to cover 90% of construction cost associated with the west and east portal repairs. West portal repairs will occur after the 2015 irrigation season with the east portal repairs being completed after the 2016 irrigation season.



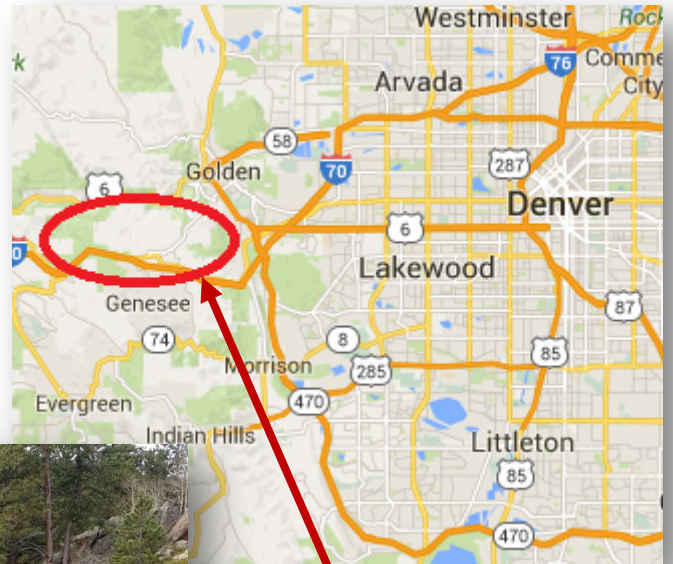


L O A N D E T A I L S	
Project Cost:	\$3,410,000
CWCB Loan:	\$3,099,690
Loan Term and Interest Rate:	30 years @ 3.25%
Funding Source:	Construction Fund
B O R R O W E R T Y P E	
Agriculture	Municipal
0%	High-income 100%
Commercial	0%
P R O J E C T D E T A I L S	
Project Type:	Reservoir Enlargement
Average Annual Diversion:	107 acre-feet
Added Reservoir Storage:	134 acre-feet



L O C A T I O N	
County:	Clear Creek
Water Source:	South Fork Beaver Brook
Drainage Basin:	South Platte River
Division:	1 District: 7

The Lookout Mountain Water District, a drinking water provider with 565 taps in Jefferson County, seeks to increase the storage capacity of the Upper Beaver Brook Dam. By designing and constructing a new labyrinth spillway structure in the location of the existing spillway, a raise in the normal reservoir pool elevation will provide approximately 140 acre-feet of additional storage.





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: January 25-26, 2016 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:

- 1.85% - Agricultural
- 2.55% - Low-income Municipal
- 2.95% - Middle-income Municipal
- 3.30% - 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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Mike King, DNR Executive Director

James Eklund, CWCB Director

TO: Colorado Water Conservation Board Members

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

DATE: January 25-26, 2016 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 three 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						
City of Fort Collins Utilities	Michigan Ditch Reconstruction	Nov 1, 2015	North Platte* (Project location)	The purpose of this project is to repair the section of the Michigan Ditch that failed as a result of a land slide.	\$7,050,000	\$6,345,000
Florida Consolidated Ditch Company	Hess Lateral Improvement Project	July 1, 2015	Southwest	The purpose of this project is to pipe the lateral to improve efficiencies within the ditch system. A WSRA grant application is expected. The company will also receive \$950K in CDOT funds as a part of the Hwy 550 expansion project.	\$2,500,000	\$762,500
Orchard Ranch Ditch Company	Ditch Piping Project	May 1, 2015	Gunnison	The project is a salinity control project that includes piping 1.6 miles of canal. The company hopes to fund \$1M of the project through Bureau of Reclamation Salinity Control Program funds.	\$1,100,000	\$250,000
To be presented at January 2016 meeting						
Totals					\$10,650,000	\$7,357,500

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 loan feasibility study.

South Platte River Basin

Borrower	Project	Potential Loan Amount
•NISP Participants	NISP	\$100,000,000
•Colorado Trout Group	Reservoir Rehabilitation	\$300,000
•Dixon Reservoir Water Company	Reservoir Rehabilitation	\$300,000
•Kembel Reservoir	Reservoir Rehabilitation	\$200,000
•Upper Platte & Beaver Ditch Co.	Diversion Structure	\$1,000,000
•Bijou Irrigation District	Reservoir Rehabilitation	\$500,000
•St Vrain and Left Hand WCD	Reservoir Rehabilitation	\$1,000,000
•Town of Firestone	Water Rights/Storage	\$3,000,000
•Western Mutual Ditch Co.	Ditch Rehabilitation	\$200,000
•Subtotal		\$106,200,000

Arkansas River Basin

•City of Walsenburg	Reservoir(s) Rehabilitation	\$6,000,000
•Stonewall Springs, LLC	Reservoir Construction	\$5,500,000
•Colorado Springs Flycasting Club	Reservoir Rehabilitation	\$450,000
•Oxford Ditch	Siphon Repair	\$1,800,000
•Town of Manitou Springs	Raw Water Pipeline	\$3,000,000
•Southeastern Colorado WCD	Hydro Project	\$15,000,000
•City of Woodland Park	Storage Project	\$1,000,000
•Subtotal		\$34,250,000

San Miguel/San Juan River Basin

- No current projects

Colorado River Basin

•Kendall Reservoir	Reservoir Rehabilitation	\$200,000
•Orchard Mesa Irrigation District	Hydro Project	\$5,000,000
•City of Grand Junction	Reservoir Rehabilitation	\$800,000
•Subtotal		\$4000,000

Gunnison River Basin

•Willow Heights Irrigation Company	Pipeline Project	\$100,000
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North Platte River Basin

- No current prospects

Rio Grande Basin

•Manasa Land & Irrigation Co.	Ditch Rehabilitation	\$6,000,000
•Baca Grande Water and San District	Water Rights Purchase	\$1,000,000
•Subtotal		\$7,000,000

Yampa River Basin

•Town of Oak Creek	Reservoir Rehabilitation	\$500,000
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Information shown is based on current staff knowledge and will likely change as Loan Prospects develop.

Recent Inquiries:

Julesburg Irrigation District - Reservoir Inlet

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Conservation Board**

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TO: Colorado Water Conservation Board Members**FROM:** Kirk Russell, P.E., Finance Section Chief**BOARD MEETING:** January 25-26, 2016**DIRECTORS REPORT:** Water Project Loan Program
Design & Construction Status Report

The CWCB Loan Program has Substantially Completed eight (8) projects in Fiscal Year 15/16 as shown in Table 1. There are currently sixty-two (62) projects authorized to receive loan funding totaling \$256 million. There are fifty-five (55) projects currently under contract and in the Design and Construction phase totaling \$190.5 million. There are an additional twenty (20) Emergency Loans approved totaling \$23 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	East Mesa Water Company	Ditch Piping Project	Pitkin/Weld	\$732,927	7/1/15
2	Greeley Irrigation Company	Greeley Canal No. 3 Rehab.	Weld	\$1,134,839	7/1/15
3	Eckhardt Farms Inc.	Water Rights Purchase	Weld	\$1,336,230	9/1/15
4	Penrose Water District	Water Rights & Pipeline Install	Fremont	\$9,763,370	10/1/15
5	Santa Maria Reservoir Co.	Siphon and Canal System Rehab.	Hinsdale/ Mineral	\$1,405,163	11/1/15
6	Santa Maria Reservoir Co.	Dam Spillway Restoration	Hinsdale/ Mineral	\$3,071,633	11/1/15(a)
7	Lower Poudre Augment. CO.	Cornish Water Rights Purchase	Larimer/Weld	\$1,163,500	11/1/15
8	Crystal Lakes W&S Assoc.	Lower Lone Pine Enlargement	Larimer	\$2,363,400	1/1/2016 (b)
			Total:	\$20,971,362	

Fiscal Year 15/16 has added or preserved 12,271 AF of reservoir storage [(a) 12,000, (b) 271]





Project Description

The 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 project site is located six miles south of Carbondale. The earthen ditch was replaced with 42-inch HDPE pipe. The new pipe enters a 650 foot long rock tunnel that was collapsing. The Company worked with the NRCS and URS Corporation to pipe the ditch and utilize a combination of rock anchoring and grouting to protect the HDPE pipe inside the tunnel section. The Company serves 12 shareholders and is primarily used to grow hay and forage crops for cattle ranching. The Company was approved for grant funding from NRCS and construction was completed in June 2015.

P R O J E C T D A T A		
<i>Sponsor:</i> East Mesa Water Company	<i>County:</i> Pitkin & Garfield	<i>Water Source:</i> Crystal River
<i>Type of Loan:</i> Ditch Rehabilitation		<i>Board Approval Date:</i> July 2013
<i>Final loan Contract Terms:</i> \$367,418.42 at 1.75% for 30 years		
<i>Design Engineer:</i> Natural Resource Conservation Service (NRCS) & URS Corporation		
<i>Contractor:</i> Mueller Construction & Rock Solid Construction		
<i>Project Elements:</i> Pipe removal, 42" HDPE, concrete inlet and outlet structures, tunnel stabilization, and grouting of tunnel		



Greeley Canal No. 3 Rehabilitation

Greeley Irrigation Company
Substantially Complete July 1, 2015



Project Description

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. 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.

P R O J E C T D A T A		
<i>Sponsor:</i> Greeley Irrigation Company	<i>County:</i> Weld	<i>Water Source:</i> Cache La Poudre River
<i>Type of Loan:</i> Canal Rehabilitation		<i>Board Approval Date:</i> January 2007
<i>Terms of Loan:</i> \$2,233,867 at 2.85% for 30 years		
<i>Design Engineer:</i> Smith Geotechnical Engineering Consultants, Aqua Engineering		
<i>Contractor:</i> ECI Buildings and Components, LLC		
<i>Project Elements:</i> 683' of 6' CMP, Radial Gate Installation, 60 tons of subgrade stabilization material, 1350' of 3 rail fence, concrete wall, building electrical system, gate motors, control and monitor conduit, 1300' box culvert, 89 loans of rip rap, 3 headwalls and gates replacement		



Water Rights Purchase

Eckhardt Farms, Inc.
Substantially Complete September 2015



Project Description

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 intended to purchase the water it had been leasing for the past seven years and continue to use it for agricultural production. Those shares later became unavailable to purchase and the Corporation identified a total of 16.06 shares of Farmers Independent and 2 shares of Western Mutual to be purchased under this loan. The loan was modified to reflect the new shares.

P R O J E C T D A T A		
<i>Sponsor:</i> Eckhardt Farms Inc.	<i>County:</i> Weld	<i>Water Source:</i> South Platte River
<i>Type of Loan:</i> Water Rights Purchase		<i>Board Approval Date:</i> Sept 2012/Jan 2015
<i>Terms of Loan:</i> \$1,232,035.88 at 1.75% for 30 years		
<i>Design Engineer:</i> White Sands Water Engineers, Inc		
<i>Contractor:</i> N/A		
<i>Project Elements:</i> Purchase of 16.06 Shares of Farmers Independent Ditch Company and 2.0 Shares of the Western Mutual Ditch Company.		



Raw Water Acquisition and Utilization Project

Penrose Water District

Substantially Complete October 1, 2015



Project Description

The District is located in Fremont County about 35 miles southwest of Colorado Springs and 20 miles west of Pueblo, and currently provides domestic water to approximately 4000 people with the equivalent of 1,870 residential taps in and around the unincorporated town of Penrose. The District entered into this project to secure water supplies for projected future growth and demand in drought years. The District's water supply is obtained by a lease with the Beaver Park Water, Inc., which 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.

This project saw the acquisition of water rights from the purchase of the Goodwin Ranch, 10/ 12 of the Pleasant Valley Ditch, with a change in use and change in point of diversion to approximately 6 miles downstream. With the construction of well infrastructure, a storage tank, pump station, and pipeline, water can now be diverted from 6 shallow alluvial wells immediately north of the Arkansas River and pumped approximately 6 miles through a 12- inch transmission line to Brush Hollow Reservoir or to the District's water plant. The Project also saw the installation of a flow monitoring gage at the headgate of the Pleasant Valley Ditch in support of the District's augmentation plan.

P R O J E C T D A T A		
<i>Sponsor:</i> Penrose Water District - Water Activity Enterprise	<i>County:</i> Fremont	<i>Water Source:</i> Arkansas River - Pleasant Valley Ditch
<i>Type of Loan:</i> Water Rights Purchase/ Pipeline	<i>Board Approval Date:</i> January 2007	
<i>Terms of Loan:</i> \$8,615,684 at 3.25% for 30 years		
<i>Design Engineer:</i> GMS Inc.		
<i>Contractor:</i> Pate Construction Company		
<i>Project Elements:</i> water rights purchase, well construction, storage tank and booster pump station construction, 36,400 LF of pipeline construction		



Santa Maria Reservoir
Siphon and Canal System Rehabilitation Project
Santa Maria Reservoir Company
Substantially Complete November 1, 2015



Project Description

The 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 completed a two phased approach to rehabilitate its system. The first phase (this project) was the rehabilitation of the conveyance system between the reservoirs including repairs to the siphon support system and lining of the canal. Funding for this project also included \$463,750 in grant funds from the CWCB's WSRA program.

P R O J E C T D A T A		
<i>Sponsor:</i> The Santa Maria Reservoir Company	<i>County:</i> Hinsdale & Mineral	<i>Water Source:</i> North Clear Creek
<i>Type of Loan:</i> Ditch Rehabilitation		<i>Board Approval Date:</i> March 19, 2013
<i>Terms of Loan:</i> \$1,405,163 @ 1.75% for 30 years		
<i>Design Engineer:</i> AECOM		
<i>Contractor:</i> RMS Utilities, Inc.		
<i>Project Elements:</i> 3,600 LF of 42-inch pipe, 1,060 LF of canal lining, 39 cubic yards of reinforced concrete overlays for thrust blocks		



Continental Dam Spillway Restoration Project

Santa Maria Reservoir Company
Substantially Complete November 1, 2015



Project Description

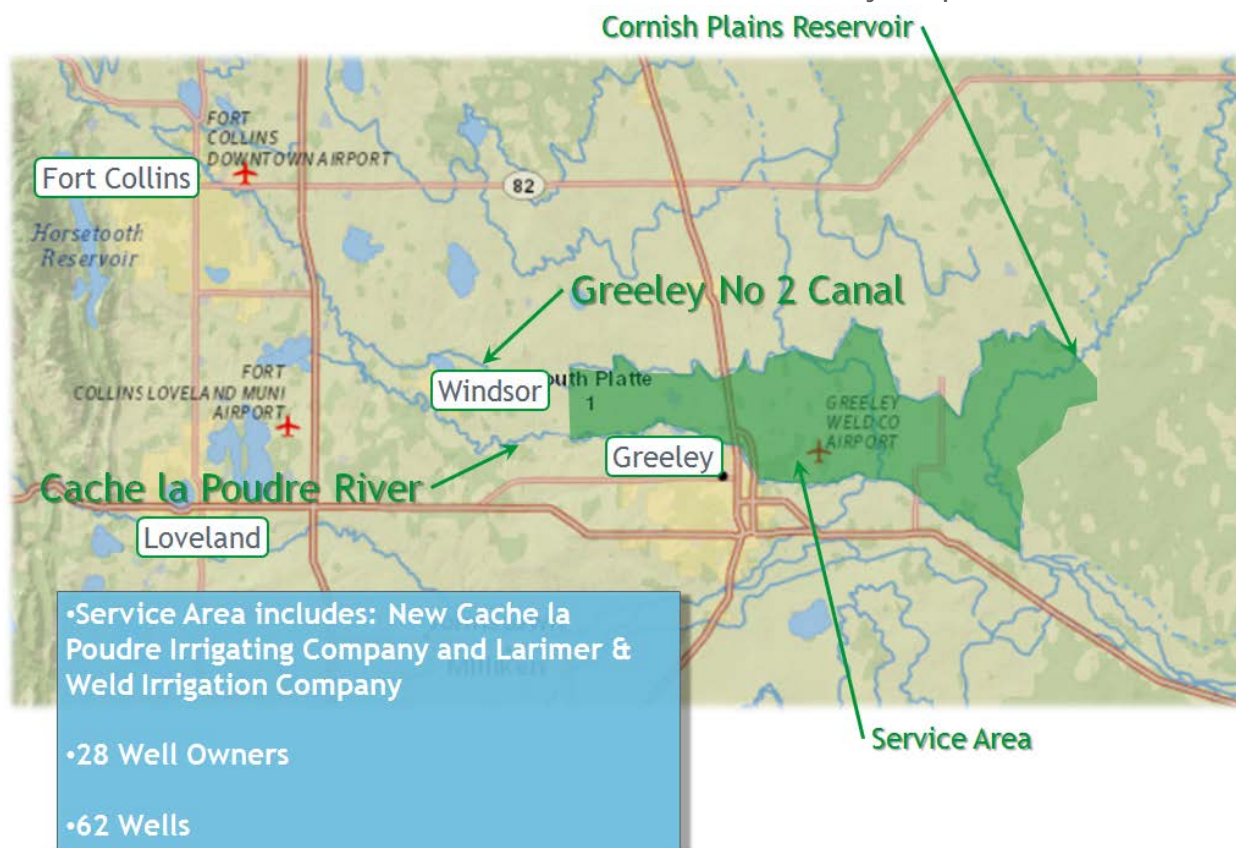
The Santa Maria Reservoir Company owns and operates Continental Reservoir (27,000 AF) and Santa Maria Reservoir (43,500 AF), located in the Rio Grande River Basin near Creede, Colorado. Santa Maria and Continental operate in conjunction with each other via a century old conveyance system made up of a 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 completed a two phased approach to rehabilitate its system. The second phase (this project) was the rehabilitation of the spillway at Continental Reservoir and seepage control system added to the dam embankment. Funding for this project also included \$1,013,750 in grant funds from the CWCB's WSRA program.

P R O J E C T D A T A		
<i>Sponsor:</i> The Santa Maria Reservoir Company	<i>County:</i> Hinsdale & Mineral	<i>Water Source:</i> North Clear Creek
<i>Type of Loan:</i> Dam Rehabilitation		<i>Board Approval Date:</i> September 25, 2013
<i>Terms of Loan:</i> \$3,677,663 @ 1.75% for 30 years		
<i>Design Engineer:</i> AECOM		
<i>Contractor:</i> Moltz Constructors, Inc.		
<i>Project Elements:</i> 1,200 CY of concrete placed for spillway replacement, 6,000 CY of filter material placed in dam embankment		

Cornish Water Rights Purchase

Lower Poudre Augmentation Company

Substantially Complete November 1, 2015



Project Description

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

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

P R O J E C T D A T A		
<i>Sponsor:</i> Lower Poudre Augmentation Company	<i>County:</i> Larimer & Weld	<i>Water Source:</i> Cache la Poudre River
<i>Type of Loan:</i> Water Rights Purchase		<i>Board Approval Date:</i> May 2015
<i>Terms of Loan:</i> \$1,163,015 @ 1.75% for 30 years		
<i>Design Engineer:</i> HRS Water Consultants, Inc.		
<i>Contractor:</i> NA		
<i>Project Elements:</i> Purchase of 34.5 shares of the Cache La Poudre Irrigating Company, and 4.0 shares of the Cache La Poudre Reservoir Company.		



Lower Lone Pine Lake Enlargement Project

Crystal Lakes Water and Sewer Association
Substantially Complete January 1, 2016



AFTER



BEFORE

Project Description

Crystal Lakes Water and Sewer Association borrowed funds to enlarge Lower Lone Pine Lake from 10.5 AF to 100.5 AF. The increase provided augmentation water for the Crystal Lakes subdivision, located in Larimer County, servicing over 800 residences. These residences derive their water supply from individual wells. This increased storage capacity will protect the community against possible well curtailments.

P R O J E C T D A T A		
<i>Sponsor:</i> Crystal Lakes Water and Sewer Association	<i>County:</i> Larimer	<i>Water Source:</i> North Lone Pine Creek (tributary to Cache la Poudre River)
<i>Type of Loan:</i> Reservoir Enlargement		<i>Board Approval Date:</i> November 15, 2011
<i>Storage Increase:</i> 90 AF		
<i>Loan Terms:</i> (Original) \$2,016,459 @ 4.0% for 30 years (Final) \$2,016,459.59 @ 4.0% for 30 years		
<i>Design Engineer:</i> Wenck Associates, Inc.		
<i>Contractor:</i> American Civil Constructors, Inc.		
<i>Project Elements:</i> 550 CY of concrete placed for spillway replacement, 28,000 CY of filter material placed in dam embankment, and 2,500 CY of riprap		

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 2016	80%	ACM	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. The test well did not produce the amount of water required by the District to meet its needs. The District's engineer recommended a new site and capping well IR. IR was capped in Oct 2015 and appears to have had a positive impact on the water availability of wells 2 and 3. The District is in a holding pattern as it continues to monitor the wells.
2 Bennett, Town of > Wells #3 and #6 Replacement Project CT2015-161	Adams Arapahoe	\$145,400	100%	May 2015 - March 2016	80%	ACM	The Project was bid in 2014 and drilling began in May 2015. All drilling was complete as of the end of July. Temporary pumps are currently in place and will be replaced with the permant pumps in early/mid 2016.
3 Bergen Ditch & Reservoir Company > Bergen Reservoir No. 2 Rehabilitation C150344 (CT2015-017)	Jefferson	\$2,020,000	100%	June 2015 - Apr 2016	95%	JMH	Construction began June 2015 and all major construction was complete by December 2015. Site clean up and reseeding activities will take place in Spring 2016. Applicant is requesting a \$90,200 loan increase (Jan 2016 CWCB board meeting) to cover final project costs.
4 Boxelder Basin Regional Stormwater Authority > Larimer & Weld Canal Crossing Structure Project C150352 (CT2015-071)	Larimer/ Weld	\$1,010,000	100%	Dec 2015 - March 2016	20%	JMH	Construction began in December 2015. Current schedule is to complete to project in March 2016, prior to the irrigation season.
5 Boxelder Basin Regional Stormwater Authority > East Side Detention Facility Project C150353 (CT2015-070)	Larimer/ Weld	\$7,171,000	100%	Aug 2015 - April 2016	60%	JMH	Land aquisition of all required parcels has been completed and loan funds were advanced to cover land purchase costs. Construction began August 2015.
6 Boxelder Basin Regional Stormwater Authority > County Rd 52 Culvert Project C150393 (CT2015-069)	Larimer/ Weld	\$818,100	100%	Aug 2015 - Feb 2016	80%	JMH	Land aquisition of all required parcels has been completed and loan funds were advanced to cover land purchase costs. Construction began August 2015.
7 Central CO WCD - WAS > Augmentation Water Supply Project C150337 (CT2015-060)	Weld/ Adams/ Morgan	\$3,030,000	50%	Apr 13 - Mar 17	30%	JMH	Purchased a portion of the water rights on 4/25/13. Additional water rights/projects being identified.
8 - CHATFIELD Reallocation Project - First Cost of Storage							\$54,633,223
Castle Pines North Metropolitan District >(C150404A) CT2016- 2049	Arapahoe Douglas Park Weld	\$723,160	N/A	2019	N/A	JMH	This contract is to provide reimbursement for the Chatfield Reallocation Project, specific to the "first cost of storage." To date, Chatfield participants have not yet had to make this payment. It is now estimated funds may not be required until 2019.
Centennial Water & Sanitation District >(C150405A) CT2016- 2053	Arapahoe Douglas Park Weld	\$4,978,290	N/A	2019	N/A	JMH	

Design and Construction - Summary

Contract Borrower	County	Loan Amount	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
Center of Colorado Water Conservancy District >(C150406A) CT2016- 2047	Arapahoe Douglas Park Weld	\$94,637	N/A	2019	N/A	JMH	
Central Colorado Water Conservancy District >(C150407A) CT2016- 2057	Arapahoe Douglas Park Weld	\$3,187,560	N/A	2019	N/A	JMH	
9 - CHATFIELD Reallocation Project - Phase 1 Mitigation							\$41,486,120
Castle Pines North Metropolitan District >(C150404B) CT2016- 2050	Arapahoe Douglas Park Weld	\$4,143,020	0%	2016 - 2022	0%	JMH	This contract is to provide reimbursement for the Chatfield Reallocation Project, for engineering, recreation facilities construction, on-site mitigation, off-site mitigation, and mitigation monitoring. Phase 1 covers the work required to be done to allow storage to occur. The Chatfield Reservoir Mitigation Company has been formed and CDM Smith/Leonard Rice has been selected at the Project Program Manager. Engineering work to develop a final design and more specific construction cost estimate can now start.
Centennial Water & Sanitation District >(C150405B) CT2016- 2055	Arapahoe Douglas Park Weld	\$28,527,450	0%	2016 - 2022	0%	JMH	
Center of Colorado Water Conservancy District >(C150406B) CT2016- 2048	Arapahoe Douglas Park Weld	\$511,363	0%	2016 - 2022	0%	JMH	
Central Colorado Water Conservancy District >(C150407B) CT2016- 2058	Arapahoe Douglas Park Weld	\$18,263,830	0%	2016 - 2022	0%	JMH	
10 - CHATFIELD Reallocation Project - Phase 2 Mitigation							\$11,558,810
Castle Pines North Metropolitan District >(C150404C) CT2016- 2051	Arapahoe Douglas Park Weld	\$1,587,720	0%	2022 - 2028	0%	JMH	This contract is to provide reimbursement for the Chatfield Reallocation Project, for engineering, recreation facilities construction, on-site mitigation, off-site mitigation, and mitigation monitoring. Phase 2 will cover work remaining after storage is allowed.
Centennial Water & Sanitation District >(C150405C) CT2016- 2056	Arapahoe Douglas Park Weld	\$10,934,260	0%	2022 - 2028	0%	JMH	
Central Colorado Water Conservancy District >(C150407C) CT2016- 2060	Arapahoe Douglas Weld	\$700,310	0%	2022 - 2028	0%	JMH	

Design and Construction - Summary

Loan Program
Attachment 3

	Contract Borrower	County	Loan Amount	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
11	Colorado Parks & Wildlife > Beaver Park Reservoir Rehabilitation C150343	Rio Grande	\$10,000,000	Ph1 100% P2 100%	July '13 & Nov '15	100% 99%	KGR	Phase 1 Alsand Construction \$2M. Spillway & Grout work is complete. Phase 2 Construction by ASI is complete. Reservoir is storing water under SEO observation. Celebration is scheduled for May 17, 2016 at the site.
12	City of Cortez > Water Meter Replacement Project > CT2015-152	Montezuma	\$858,500	100%	June 2015 - Feb 2016	95%	ACM	Notice to proceed was issued in June 2015. All of the meters that required relocation have been moved. New AMR meters have replaced about 95% of the City's meters. The remaining 5% will be installed in January / February 2016.
13	Ephraim Ditch Company > Ephraim Diversion and Headgate Rehabilitation C150402 (CT2015-090)	Rio Grande	\$101,000	100%	Aug 15 - Feb 16	50%	JMH	NRCS has finalized design. Fabrication of steel structures began August 2015. Site construction to occur winter 2016.
14	Farmers Pawnee Canal Company > Diversion Structure Replacement Project C150394 (CT2015-132)	Logan	\$2,067,470	100%	Mar14 - Nov 15	99%	DRJ	Substantial completion imminent. Project complete aside from minor electrical punch list items.
15	Fort Lyon Canal Company >Replacement of Horse Creek Flume CT2016-1987	Otero, Bent, Prowers	\$1,629,130	100%	Nov 15 - Apr 16	70%	DRJ	Construction started in November. Existing pipe removed, 85% of new 10-ft steel pipe in-place as welding continues. Leak test of flume is planned for end of January.
16	Fowler, Town of > Augmentation Pipeline Project C150359 (CT2015-054)	Otero	\$277,245	100%	Fall 2015		DRJ	Design modifications required for alignment change. Bid process imminent.
17	Fulton Irrigating Ditch Company > Diversion Structure Rehabilitation Project C150399 (CT2015-092)	Adams	\$2,027,070	100%	Fall 14 - Summer 15	99%	DRJ	Substantial completion imminent. Gantry rake and gate operational. Minor punchlist items nearly completed.
18	Georgetown, Town of > Outlet Works Modification Project C150321 (CT2015-055)	Clear Creek	\$2,976,975	100%	Aug 14 - Jan 2016	95%	ACM	Construction began in August 2014. Gate testing occurred on 4/28/15. The gate is operational at 50% of its capacity. Rodney-Hunt (gate manufacturer) is fabricating a replacement part to be installed in late 2015.
19	Grand Mesa Water Conservancy District > Peak Res. & Blanche Park Res. Rehabilitation C150354 (CT2015-061)	Delta	\$227,250	100%	Mar 13 - Nov 16	85%	ACM	Construction on Peak Reservoir began in the 2013 season and was completed in Oct 2014. Blanche Park construction was delayed due to Federal permitting issues. The project is on hold until the permits are issued.
20	Greeley and Loveland Irrigation Company > Irrigation System Improvements C150362 (CT2015-022)	Larimer	\$3,745,080	100%	Summer 14 - Apr 16	85%	JMH	Boyd Lake Project: Construction started January 2015, completed May 2015. Horseshoe Project: Phase 1 and 2A complete, Phase 2B began October 2015. Approved for additional loan funds at November 2015 board meeting.

Design and Construction - Summary

Loan Program
Attachment 3

	Contract Borrower	County	Loan Amount	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
21	Gypsum, Town of > LEDE Ditch and Reservoir Rehabilitation C150296 (CT2015-058)	Eagle	\$2,690,000	100%	Jul 13 - Sep 16	75%	DRJ	Construction to be delayed until Spring thaw. Dam embankment just short of topping off. Spillway construction, upstream slope riprap, outlet gate installation, instrumentation will all be done after embankment fill is complete.
22	Huerfano County Water Conservancy District > Regional Augmentation Project C150364 (CT2015-047)	Huerfano	\$2,222,000	100%	Mar 14 - Oct 16	60%	ACM	Land and water rights purchase to occurred in January 2014. Camp Ranch augmentation site construction is underway. The Red Wing augmentation project is on hold pending a re-evaluation of sites for the reservoir.
23	Lake Canal Reservoir Company > North Gray Reservoir Rehab Project C150322 (CT2015-042)	Larimer/ Weld	\$204,298	100%	Nov 2015 - Jan 2016	60%	JMH	Project was delayed until neighboring Boxelder East Side Detention Facility design was finalized. Loan increase was approved at Nov 2015 Board Meeting. Construction began Nov 2015.
24	Lake Durango Water Authority > Source Water Supply Project C150317 (CT2015-013)	LaPlatta	\$2,525,000	100%	Spring 16 - Spring 17	0%	KGR	Easements are being negotiated. Work will be bid on January 21.
25	Las Animas Consolidated Canal Company >Repair and Replacement of the Las Animas Consolidated Canal Spillway Structure CT2016-1007	Bent	\$363,782	100%	Jan 16 - Spring 16	1%	DRJ	Contractor selected and mobilizing
26	Left Hand Ditch Company > Allen Lake and Lake Isabelle Repair Project C150336 (CT2015-088)	Boulder	\$1,475,307	100%	Nov 12 - Oct 15	99%	ACM	Allen Lake construction was completed in August 2013. Lake Isabelle outletworks construction began in 2013 and was completed in October 2015. The loan will be substantially complete on June 1, 2016.
27	Louden Irrigating Canal & Reservoir Company > Emergency Diversion Structure and Ditch Repair C150398 (CT2015-151)	Larimer	\$ 161,600	100%	Summer 14 - Jan 16	90%	JMH	Initial repair phase of project is complete. Improvements to the diversion and heatgate system occurred in Fall of 2015. Handrails to be installed in January 2016
28	Lower Arkansas Valley WCD >Water Rights Purchase CT2015-175	Bent, Crowley, Otero, Prowers, Pueblo	\$2,560,350	NA	Fall 2015	100%	DRJ	Substantial completion imminent. Shares transfer required.
29	McDonald Ditch Company > Ditch Diversion and Headgate Replacement C150334 (CT2015-044)	Rio Grande	\$101,000	100%	Dec 14 - Jan 16	80%	JMH	Phase 1 Construction (diversion dam) started December 2014, completed in March 2015. Phase 2 (pipeline) started in December 2015.
30	Monte Vista, City of > Augmentation Water Rights Acquisition C150309 (CT2015-011)	Rio Grande	\$1,693,770	N/A	Oct 10 - Jul 17	50%	ACM	The City purchased Anderson Ditch rights and will file a water court application to enable the use of those rights to replace depletions. Contracted with the San Luis Valley Irr. Dist. for storage space in the Rio Grande Res. City continues negotiations to purchase additional water.

Design and Construction - Summary

Loan Program
Attachment 3

	Contract Borrower	County	Loan Amount	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
31	North Poudre Irrigation Co > Reservoir No. 4 Rehabilitation C150378 (CT2015-003)	Larimer	\$1,636,200	100%	Nov 15 - Apr 16	20%	JMH	Design was updated per SEO suggestion to upsize spillway to meet higher classification. Wildlife Mitigation completed in January 2015. Reservoir construction began November 2015.
32	Northern Colorado WCD- Hydropower Enterprise > Granby Hydropower Project C150396 (CT2015-140)	Grand	\$5,135,183	100%	May 15 - May 16	70%	JMH	Power Purchase and Lease of Power Privledge agreements signed March 2015. Construction started in May 2015 and is shut down for winter.
33	Oligarchy Irrigation Company > Dam Outlet Works Rehabilitation CT2016-1597	Boulder	\$860,000	90%	Winter 16 - Summer 16	0%	JMH	Company is finalizing design with SEO and has contracted with Longmont to assist in procuring construction bids. Aiming to bid project in February.
34	Overland Ditch and Reservoir Company > Overland Reservoir Rehabilitation C150206 (CT2015-034)	Delta	\$1,141,300	50%	Permitting	0%	KGR	Permitting issues are being addressed to enlarge reservoir. Company is concerned about the impact of increased costs to the project
35	Owl Creek Reservoir Company > Owl Creek Reservoir Rehabilitation C150089 (CT2015-048)	Weld	\$1,125,000	99%	On Hold	0%	TF	The Company received bids and does not have enough funds to complete the project. The Company has expended approximately \$450,000 to-date for permitting, soils, and design and will need an additional \$600,000 to complete the project. A project partner is being sought.
36	Pisgah Reservoir and Ditch Company > Mount Pisgah Dam/Wrights Res Rehabilitation C150341 (CT2015-027)	Teller	\$1,160,655	100%	June 15 - Feb 16	70%	JMH	Approved for additional loan funds at November 2014 and July 2015 Board Meeting. Phase 1 complete. Phase 2 began September 2015. Phase 3 began November 2015.
37	Plum Valley Heights Subdistrict >Raw Water Supply Project CT2015-176	Douglas	\$2,248,260	75%	Spring 16 - Dec 16	0%	JMH	Project is in final design. Project was delayed by approximately 3 months while it underwent a redesign that ended up saving nearly \$1 million in total project costs.
38	Prairie Ditch Company > Plaza Phase 3: Prarie Ditch Imp. Project C150400 (CT2015-134)	Rio Grande	\$131,300	100%	Oct 15 - Feb 16	50%	JMH	Bids for the diversion dam were received August 27, 2015 and construction began October 2015. Headgate phase was bid and awarded in November 2015.
39	Ridgway, Town of > Lake Otonowanda Rehabilitation Project C150340 (CT2015-056)	Ouray	\$606,000	100%	June 14 - July 15	99%	KGR	Work complete reservoir filling. Celebration was held August 31, 2015. SC scheduled for 1/1/2016
40	Riverside Ditch and Allen Extension Company > Ditch System Rehabilitation C150301 (CT2015-050)	Chaffee	\$186,345	85%	Jul 10 - June 16	80%	KGR	Ditch lining phase of the project was completed in December 2010. 2nd phase will be constructed in Springs 2016. NRCS La Junta Fld office will have design plans complete by Jan 31, 2016 for replacment of diversion structure. SC is scheduled for Aug, 2016

Design and Construction - Summary

Loan Program
Attachment 3

	Contract Borrower	County	Loan Amount	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
41	Riverside Reservoir and Land Company > Riverside Reservoir Spillway Enlargement C150291 (CT2015-026)	Weld	\$2,838,100	80%	Summer 2016+	0%	DRJ	Engineer expects submittal to SEO by late fall/winter of 2015. Construction anticipated summer 2016.
42	San Luis Valley Water Conservancy District > Anaconda Ditch Water Right Acquisition C150348 (CT2015-166)	Alamosa	\$839,000	N/A	2016	N/A	ACM	Water rights purchase was pending a water court change case completion. The case was settled in December 2015. The District expects the purchase to occur in the spring of 2015.
43	Sanchez Ditch and Reservoir Company > Sanchez Reservoir Outlet Rehabilitation Project C150342 (CT2015-012)	Costilla	\$1,381,276	100%	Oct 14 - March 16	90%	ACM	Construction began in Oct 2014. Outlet works work was completed in Jan 2015. Seepage and monitoring work is scheduled for winter of 2015/16.
44	Sanford Canal Company > Sanford Diversion and Headgate Rehabilitation C150401(CT2015-091)	Rio Grande	\$101,000	100%	Aug 15 - Jan 16	85%	JMH	NRCS has finalized design. Fabrication of steel structures began August 2015. Construction of diversion dam and headgates began in October 2015 and nearing completion.
45	Thunderbird W&S Dist > Lambert Ranch Water Rights Purchase C150320 (CT2015-049)	Douglas	\$318,150	100%	N/A	N/A	JMH	Closing was delayed until 2015 due to easement access to purchased wells. Closing on water rights occurred September 2015. Easement aquisition process is still underway.
46	Tunnel Water Company >Laramie-Poudre Tunnel Rehabilitation CT2016-2001	Larimer	\$1,111,000	100%	Sep 15 - Fall 16	60%	JMH	Phase 1 (Inlet) construction started September 2015. Box culverts installed and functional. Will perform final grading and site cleanup spring 2016. Phase 2 (outlet) construction not a part of current construction contract. Phase 2 to occur in Fall 2016.
47	Uncompahgre Valley Water Users Association >Drop 5 Hydroelectric Project CT2015-174	Montrose & Delta	\$6,999,300	100%	Dec 15 - Aug 16	10%	KGR	Excavation and concrete placment underway.
48	Upper Arkansas Water Conservancy District > Reservoir Rehabilitation C150192 (CT2015-052)	Chaffe/ Custer	\$3,009,800	100%	Permitting	90%	KGR	The first phase of construction was awarded to ASI, Buena Vista, CO, and completed in May 2007. The Permitting effort for the enlargment is underway and expected to be complete by Dec 2018.
49	Upper Platte & Beaver Canal Company > Hospital Rd Recharge Facility & Bridge Project CT2015-101	Morgan	\$190,890	30%	Nov 14 - Spring 17	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.
50	West Reservoir and Ditch Company >Repair of West Reservoir No. 1 Outlet Works Loan CT201-196 (Grant CT2015-3228)	Delta	\$248,378	100%	May 15 - Sept 16	30%	DRJ	Construction to be delayed until Spring thaw. Dam excavation complete, outlet pipe partial construction will need to be removed for unstable subgrade, and reinstalled next spring. Winter closure plan forthcoming thru SEO.

Design and Construction - Summary

Loan Program
Attachment 3

	Contract Borrower	County	Loan Amount	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
51	Windsor, Town of > Kyger Reservoir Project C150366 (CT2015-057)	Larimer/ Weld	\$4,545,000	80%	Summer 16 - Fall 16	0%	JMH	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.
52 - WISE Project - ECCV Pipeline Purchase								\$2,227,050
	Cottonwood W&S Dist - C150408A (CT2015-102)	Douglas/ Arapahoe	\$381,780	N/A	Fall 14 - Spring 15	N/A	DRJ	80% funds disbursed.
	Inverness W&S Dist - C150409A (CT2015-117)	Douglas/ Arapahoe	\$1,845,270	N/A	Fall 14 - Spring 15	N/A	DRJ	No Inverness Request for Reimb received.
53 - WISE Project - Phase 1 Infructure								\$16,802,501
	Cottonwood W&S Dist - C150408B (CT2015-106)	Douglas/ Arapahoe	\$2,636,100	1%	Spring 15 - Jan 17	5%	DRJ	Notice to proceed given to contractor in May 2015. Construction under way at Smoky Hill Tank site.Design and permitting under way for additional project elements.
	Inverness W&S Dist - C150409B (CT2015-118)	Douglas/ Arapahoe	\$1,181,700	1%	Spring 15 - Jan 17	5%	DRJ	
	Parker W&S Dist - C150410B (CT2015-108)	Douglas/ Arapahoe	\$6,785,321	1%	Spring 15 - Jan 17	5%	DRJ	
	Denver SE Sub W&S Dist - C150411B (CT2015-085)	Douglas/ Arapahoe	\$6,199,380	1%	Spring 15 - Jan 17	5%	DRJ	
54 - WISE Project - Phase 2 Infructure								\$7,400,078
	Cottonwood W&S Dist - C150408C (CT2015-105)	Douglas/ Arapahoe	\$1,127,160	0%	Spring 15 - Fall 21	0%	DRJ	
	Inverness W&S Dist - C150409C (CT2015-119)	Douglas/ Arapahoe	\$1,427,130	0%	Spring 15 - Fall 21	0%	DRJ	

Design and Construction - Summary

Loan Program
Attachment 3

Contract Borrower	County	Loan Amount	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
Parker W&S Dist - C150410C (CT2015-109)	Douglas/ Arapahoe	\$3,418,658	0%	Spring 15 - Fall 21	0%	DRJ	
Denver SE Sub W&S Dist - C150411C (CT2015-086)	Douglas/ Arapahoe	\$1,427,130	0%	Spring 15 - Fall 21	0%	DRJ	
55 - WISE Project - DIA Connection							
Cottonwood W&S Dist - C150408D (CT2015-104)	Douglas/ Arapahoe	\$363,600	N/A	Spring 15 - Spring 21	NA	DRJ	11% funds disbursed.
Inverness W&S Dist - C150409D (CT2015-120)	Douglas/ Arapahoe	\$454,500	N/A	Spring 15 - Spring 21	NA	DRJ	No Inverness Request for Reimb received.
Parker W&S Dist - C150410D (CT2015-110)	Douglas/ Arapahoe	\$1,099,890	N/A	Spring 15 - Spring 21	NA	DRJ	20% funds disbursed.
Denver SE Sub. W&S Dist (Pinery) - C150411D (CT2015-087)	Douglas/ Arapahoe	\$454,500	N/A	Spring 15 - Spring 21	NA	DRJ	21% funds disbursed.

Projects Under Contract SubTotal = \$190,536,358

Approved Projects - Not Under Contract

a	Southeastern CO Water Conserv. District > Arkansas Valley Conduit C150238	Crowley	\$60,600,000	In Contracting	KGR	Pending Federal Appropriation. Hydro project may be considered from these loan funds
b	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

Design and Construction - Summary

Loan Program
Attachment 3

	Contract Borrower	County	Loan Amount	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
c	Brighton Dith Company >River Breach Repair Project CT2016-	Adams	\$481,770		In Contracting		JMH	Contract is pending new shareholders resolution to be obtained in January 2016.
d	Lower Poudre Augmentation Company >Box Elder Ditch Water Rights Purchase CT2016-	Larimer, Weld	\$454,500		In Contracting		JMH	
e	Lamar, City of >Repurposing of Wells 12 and 13 CT2016-	Prowers	\$101,000		In Contracting		DRJ	
f	Parkville Water District >Evans Reservoir Bypass Flume Project CT2016-	Lake	\$181,800		In Contracting		DRJ	
g	Lookout Mountain Water District > Upper Beaver Brook Dam Spillway CT2016-	Clear Creek	\$3,099,690		In Contracting		DRJ	

Not Under Contract SubTotal = \$65,251,555

Grand Total = \$255,787,913

Reservoir construction projects involving storage: new, enlargement, dredging or remo

Projects Substantially Completed in Fiscal Year 15/16

1	East Mesa Water Company > Ditch Piping Project C150360 (CT2015-141)	Pitkin/ Garfield	\$732,927	100%	Feb 15 - May 15	100%%	KGR	7/1/2015
2	Greeley Irrigation Company > Greeley Canal No. 3 Rehabilitation C150239 (CT2015-021)	Weld	\$1,134,839	100%%	Feb 08 - Dec 15	100%%	KGR	7/1/2015
3	Eckhardt Farms Inc > Water Rights Purchase C150338 (CT2015-051)	Weld	\$1,336,230	N/A	N/A	N/A	JMH	9/1/2015

Design and Construction - Summary

Loan Program
Attachment 3

	Contract Borrower	County	Loan Amount	Design Status	Const. Start/End	Const. Status	PM	Status Description/Update
4	Penrose Water District > Water Rights Purchase and Pipeline Installation C150237 (CT2015-040)	Fremont	\$9,763,670	100%	Summer 14 - Spring 16	100%%	DRJ	10/1/2015
5	Santa Maria Reservoir Company > Siphon and Canal System Rehabilitation Project C150350 (CT2015-005)	Hinsdale/ Mineral	\$1,405,163	100%	May 14 - Oct 15	100%%	ACM	11/1/2015
6	Santa Maria Reservoir Company > Continental Dam Spillway Rehabilitation Project C150365 (CT2015-006)	Hinsdale/ Mineral	\$3,071,633	100%	May 14 - Nov 15	99%	ACM	11/1/2015
7	Lower Poudre Augmentation Company > Cornish Water Rights Purchase CT2015-171	Larimer & Weld	\$1,163,500	N/A	N/A	N/A	JMH	11/1/2015
8	Crystal Lakes Water and Sewer Association > Lower Lone Pine Lake Enlargement Project C150325 (CT2015-045)	Larimer	\$2,363,400	100%	Apr 12 - Nov 14	100%	ACM	1/1/2016

SubTotal = \$20,971,362

**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

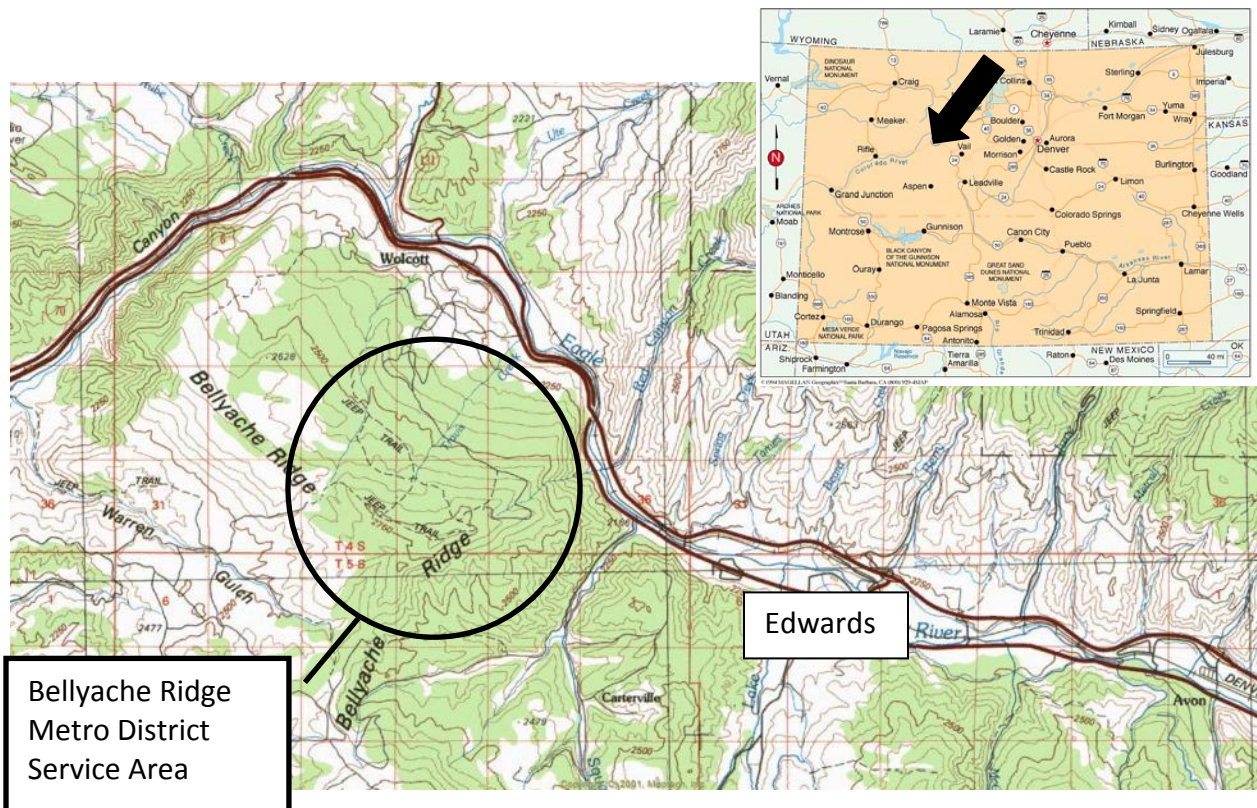
Type of Borrower: Municipal (High)

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.



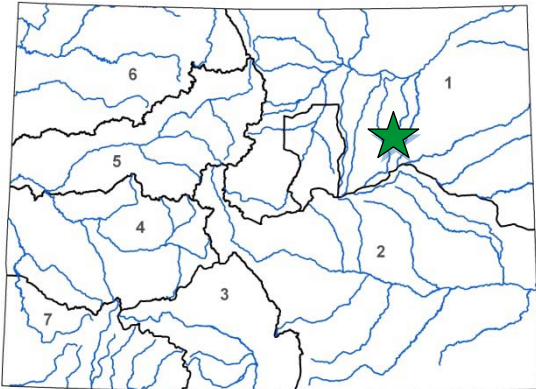


Wells #3 and #6 Replacement Project

Town of Bennett

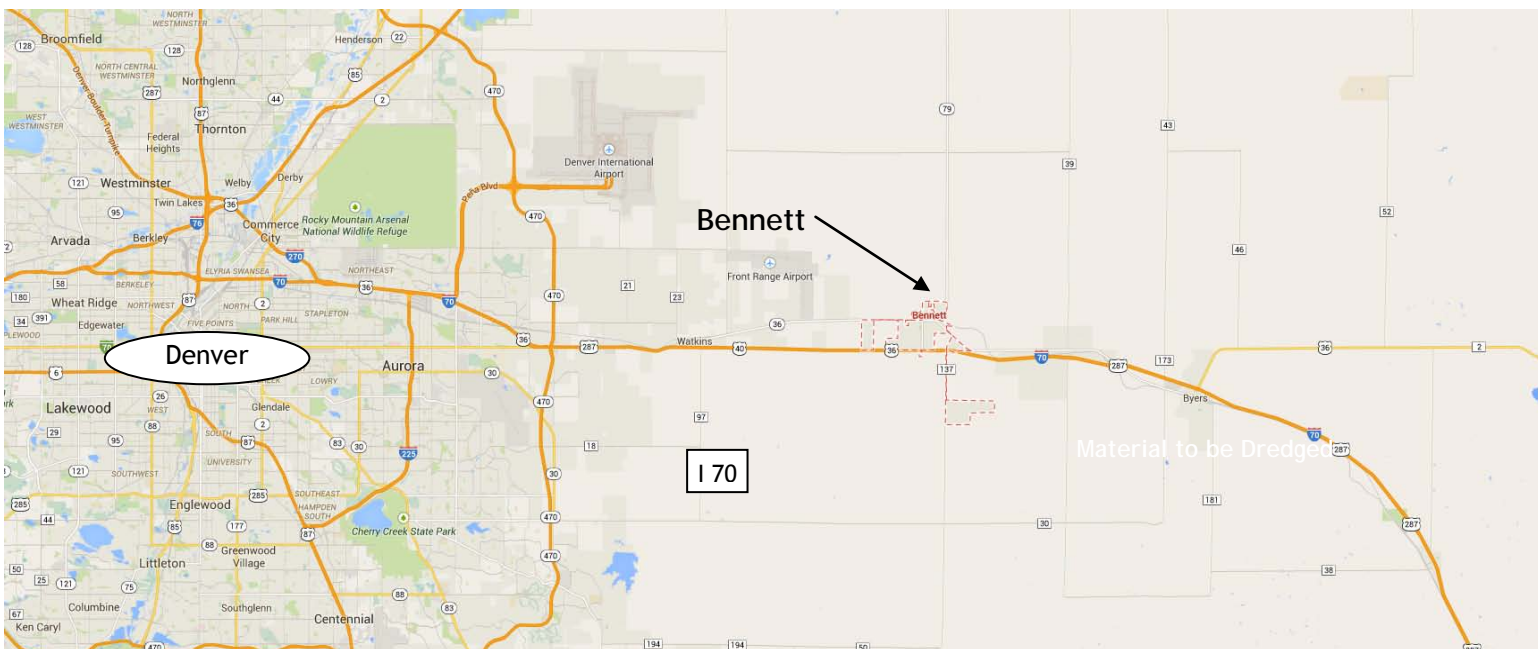
November 2014 Board Meeting

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

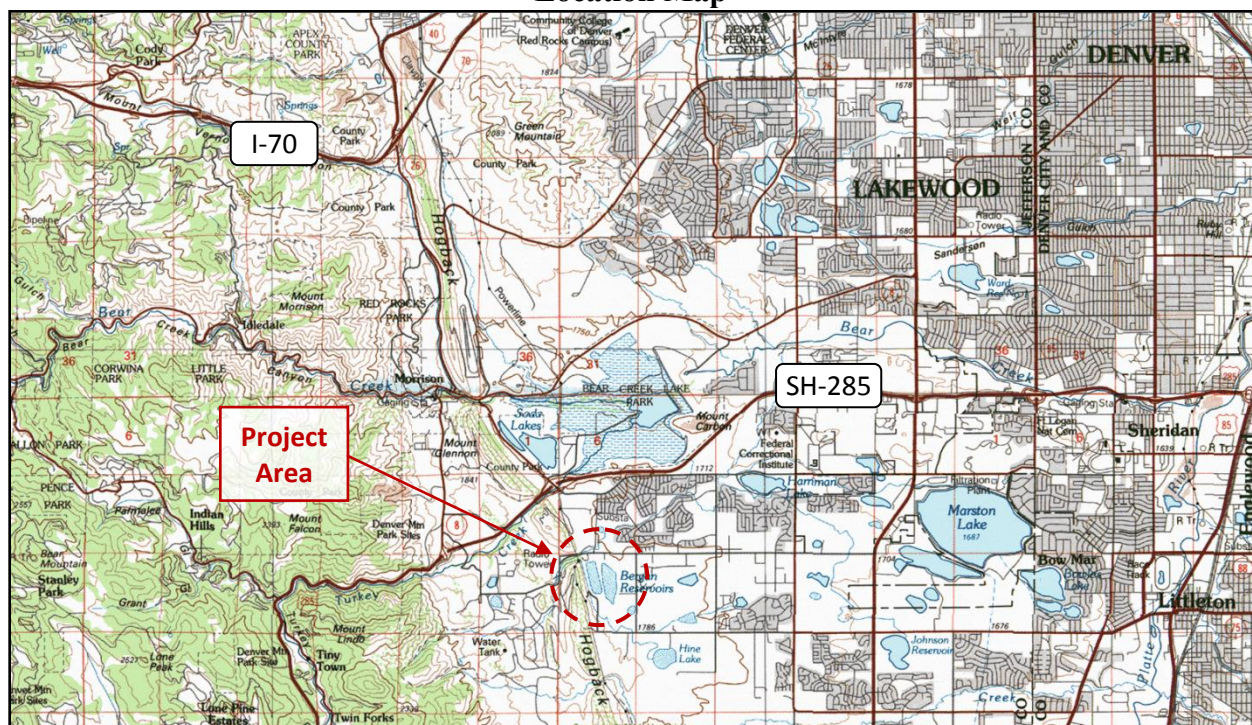


Water Project Loan Program – Project Data Sheet

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.

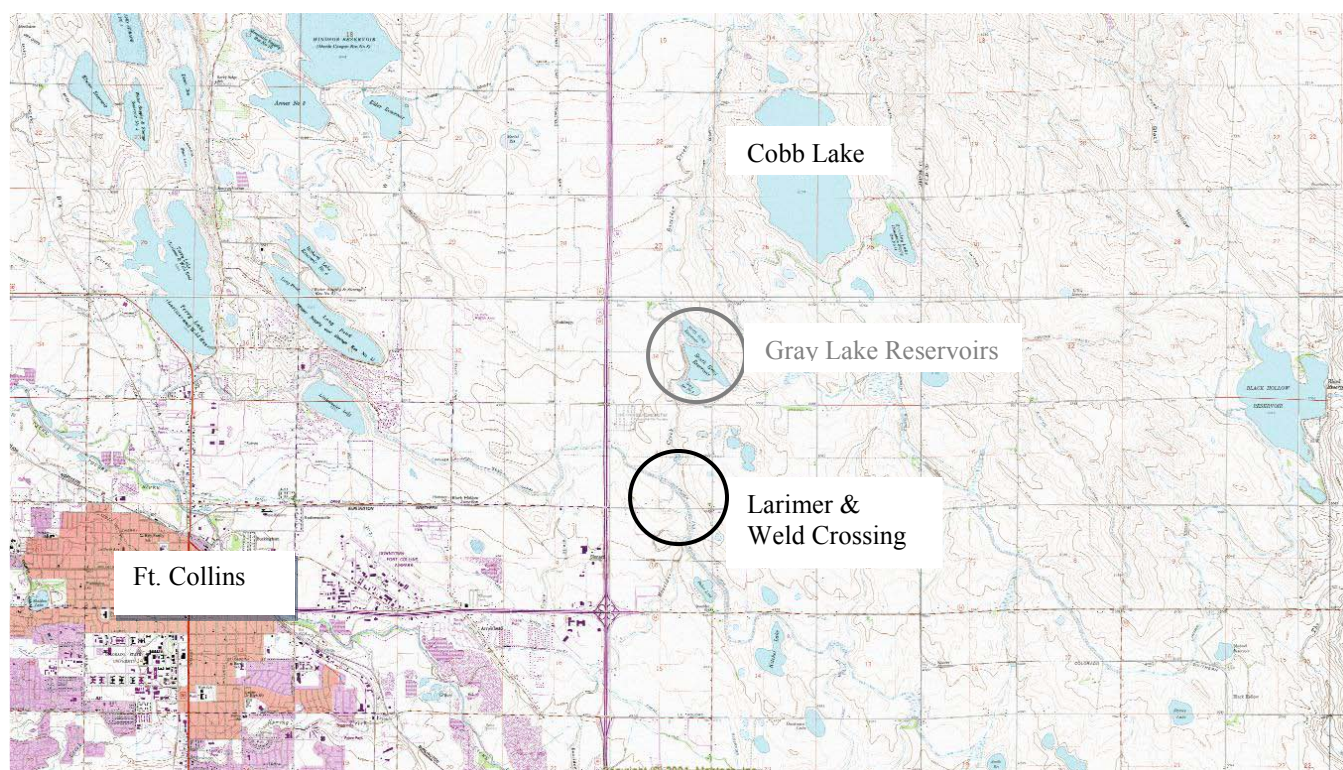
Location Map



**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

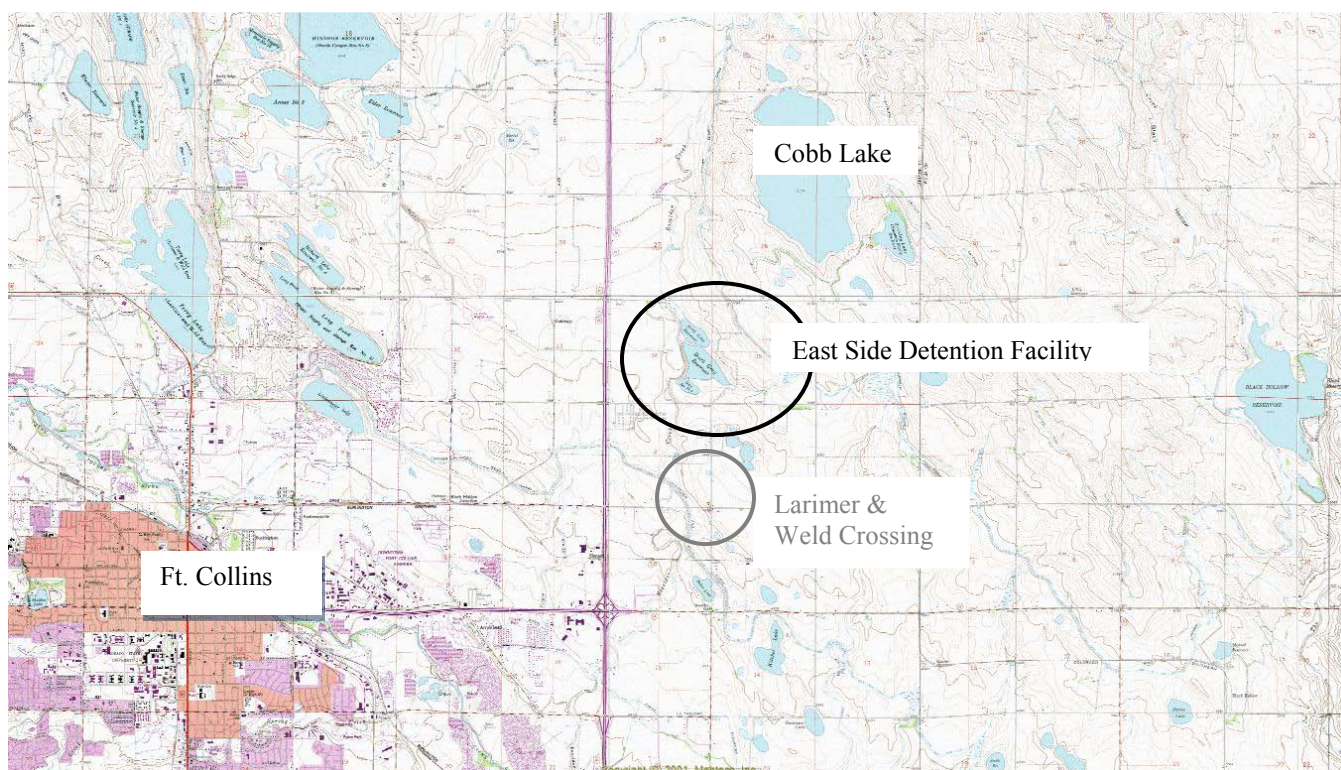
Type of Borrower: Middle Income Municipal

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

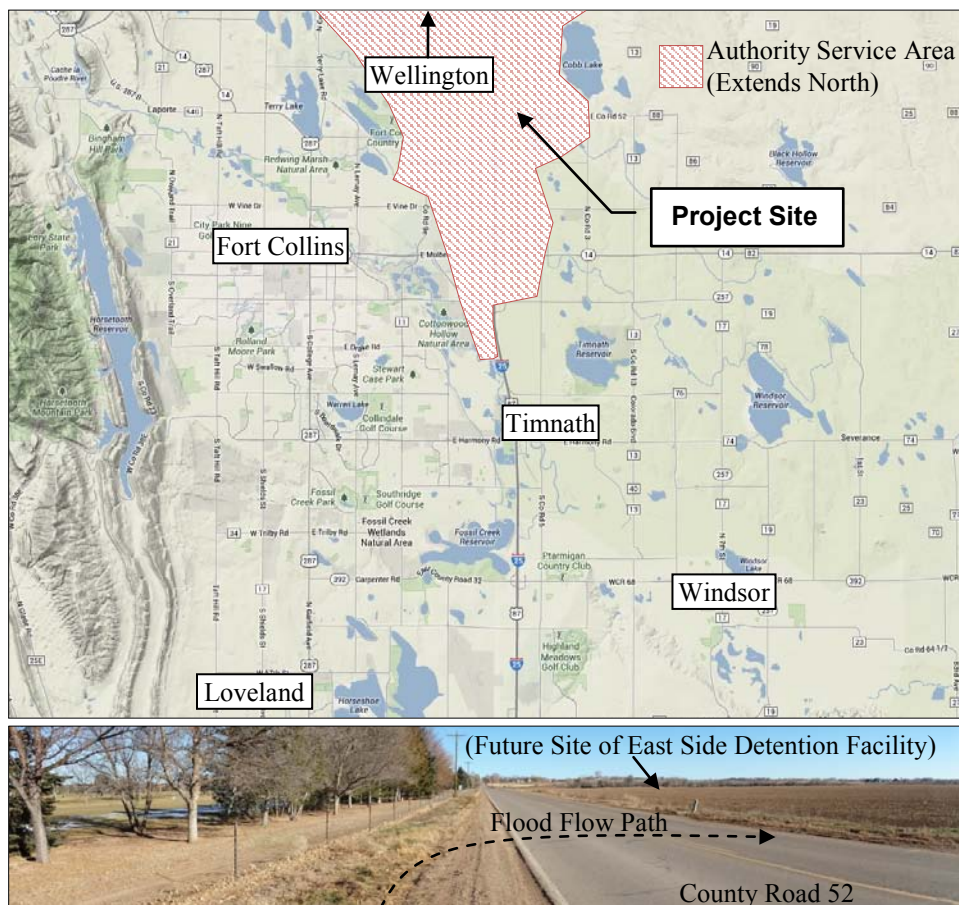
Type of Borrower: Middle Income Municipal

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.

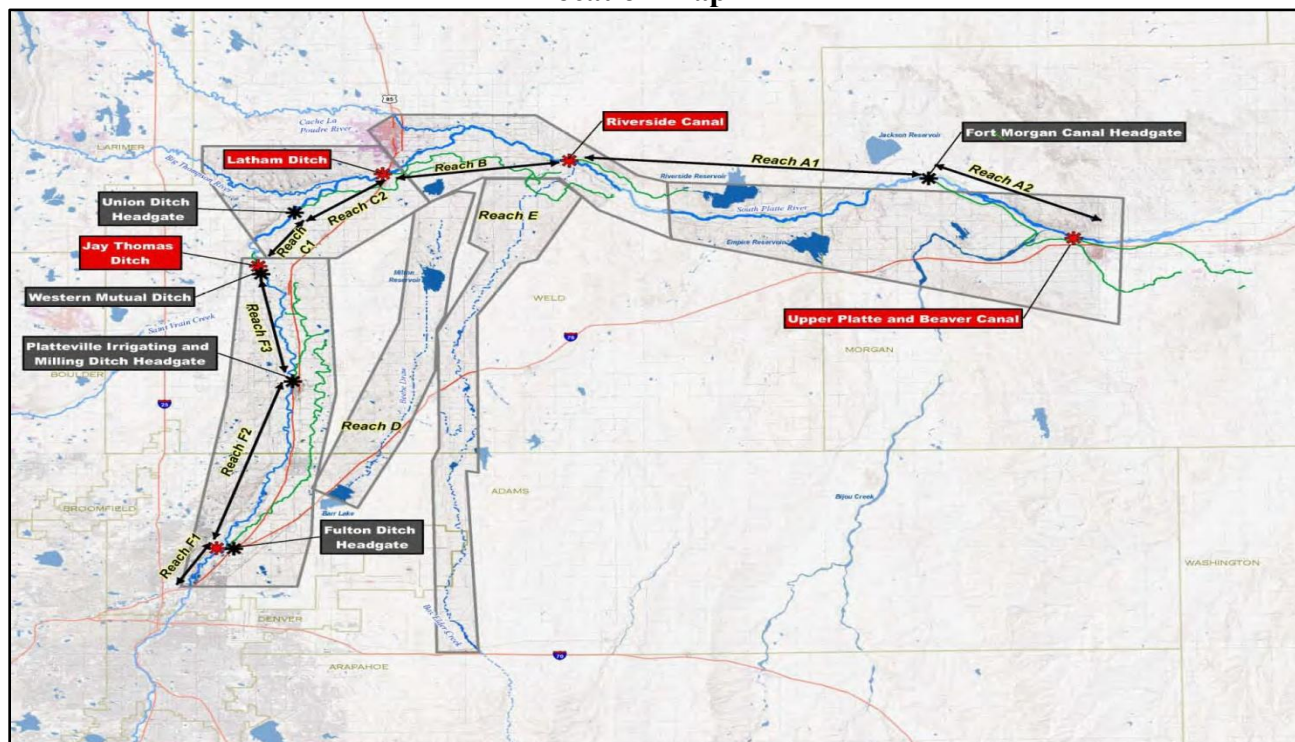


Water Project Loan Program – Project Data Sheet

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**

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

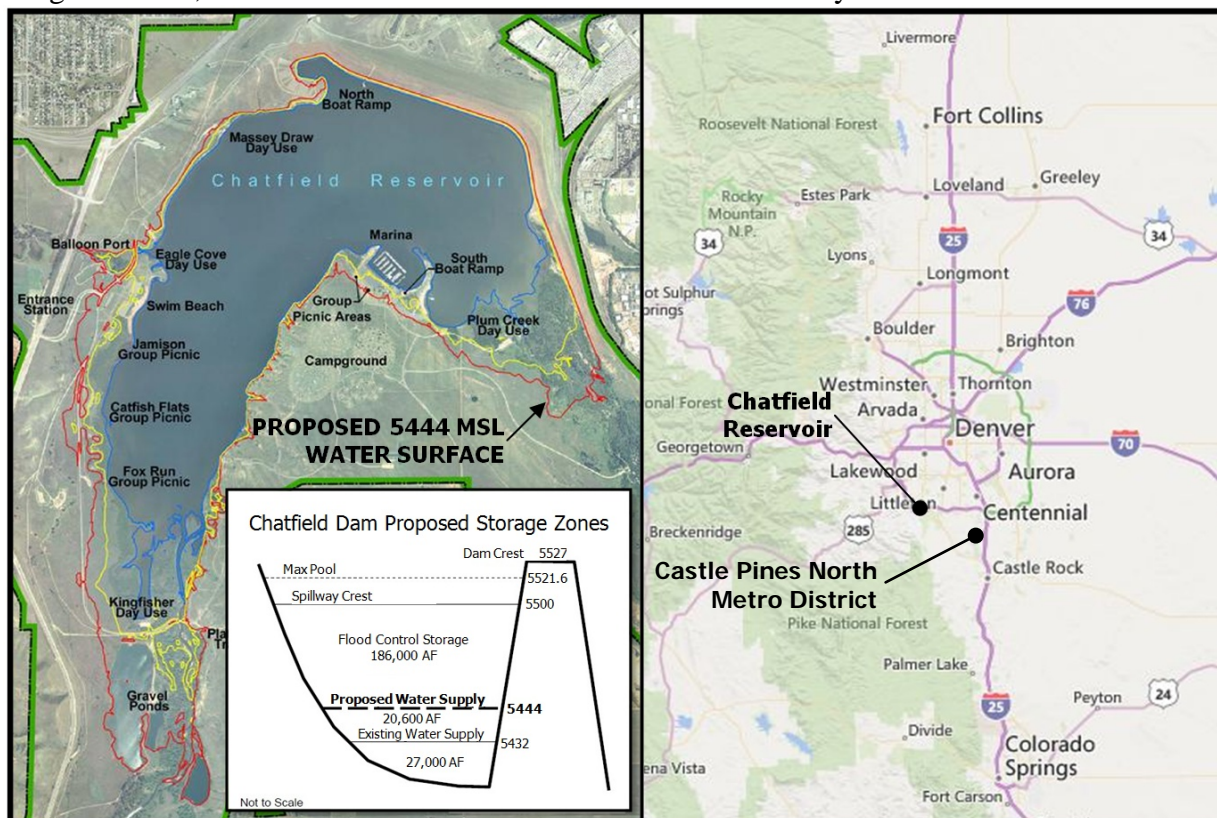
Added Water Supply Storage: 1005.8 AF

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

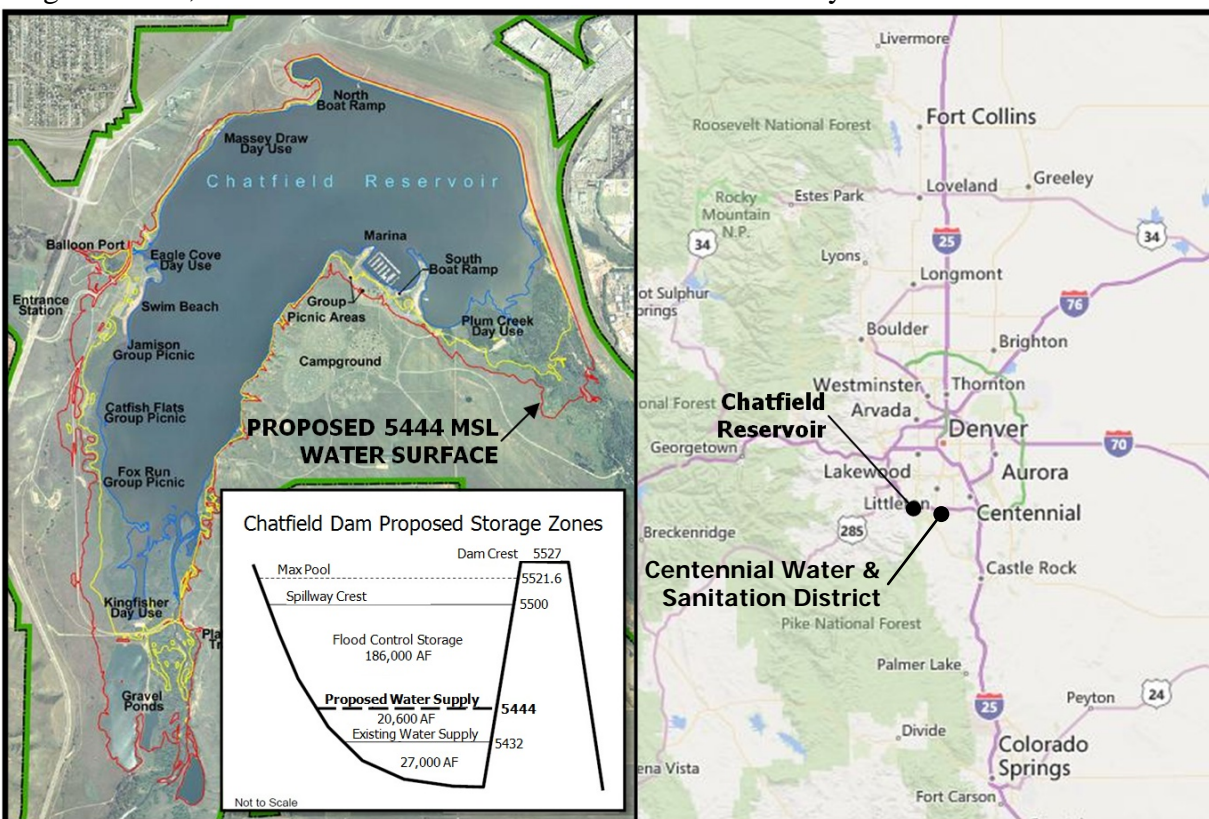
Average Annual Delivery: 17,500 AF

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
Project Name: Chatfield Reallocation Project

County: Park
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

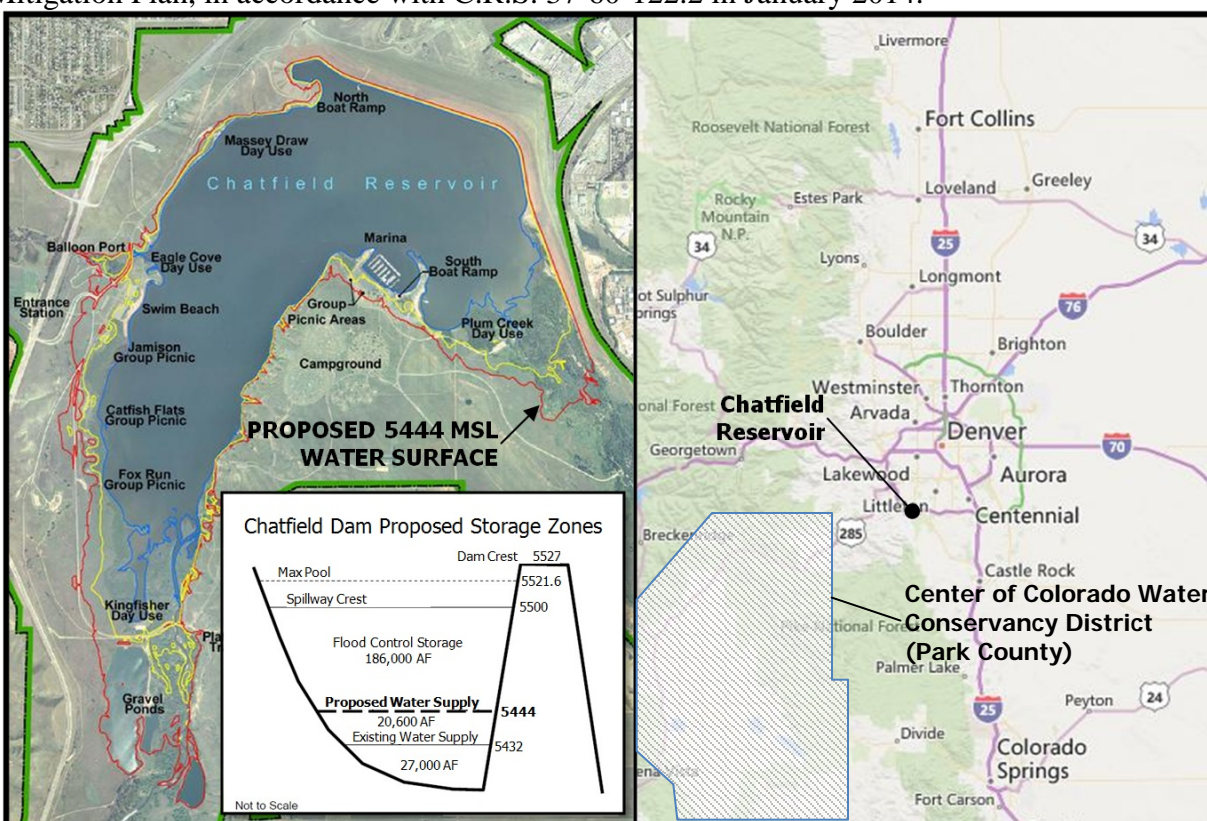
Type of Borrower: Middle-income Municipal

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

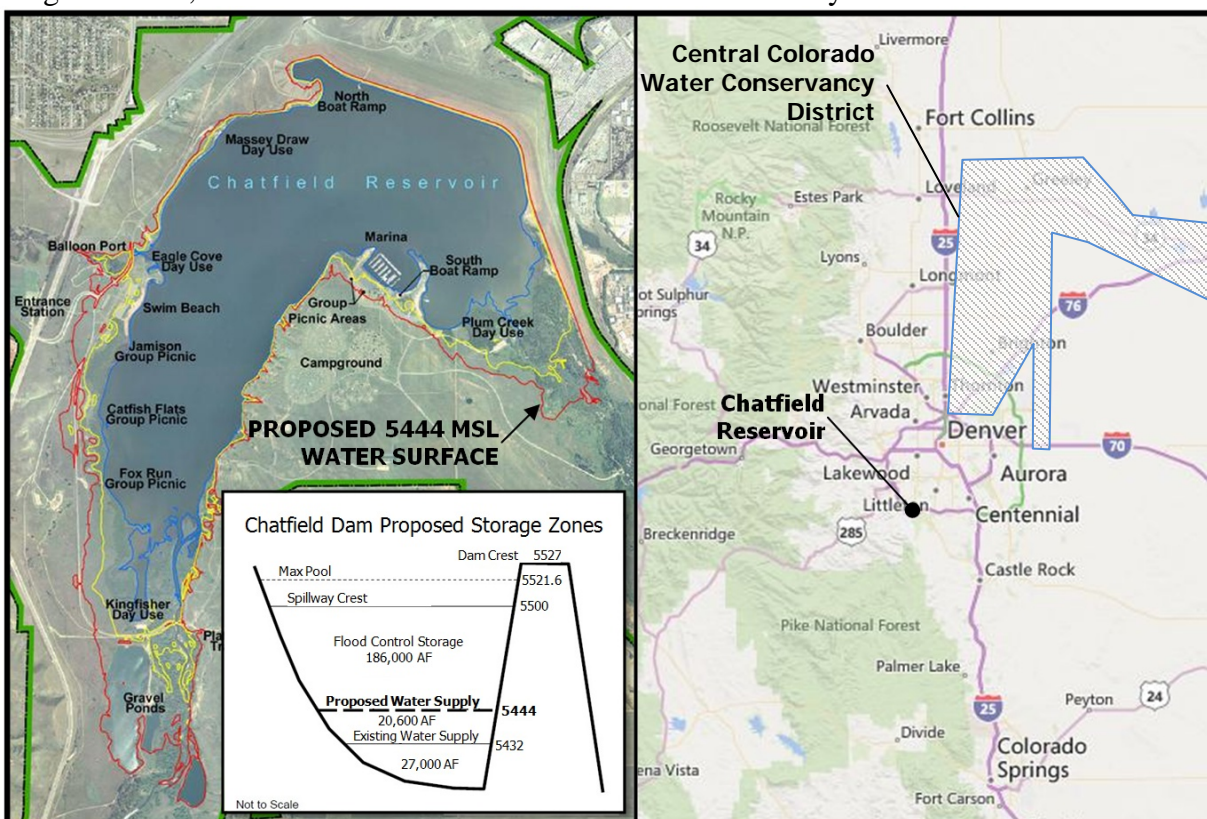
Type of Borrower: Agricultural

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.



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

Borrower: Colorado Parks and Wildlife

County: Rio Grande

Project Name: Beaver Park Dam

Project Type: Reservoir Rehabilitation

Drainage Basin: Rio Grande Basin

Water Source: Beaver Creek

Total Project Cost: \$15,939,606

Funding Source: Construction Fund

Type of Borrower: State Agency

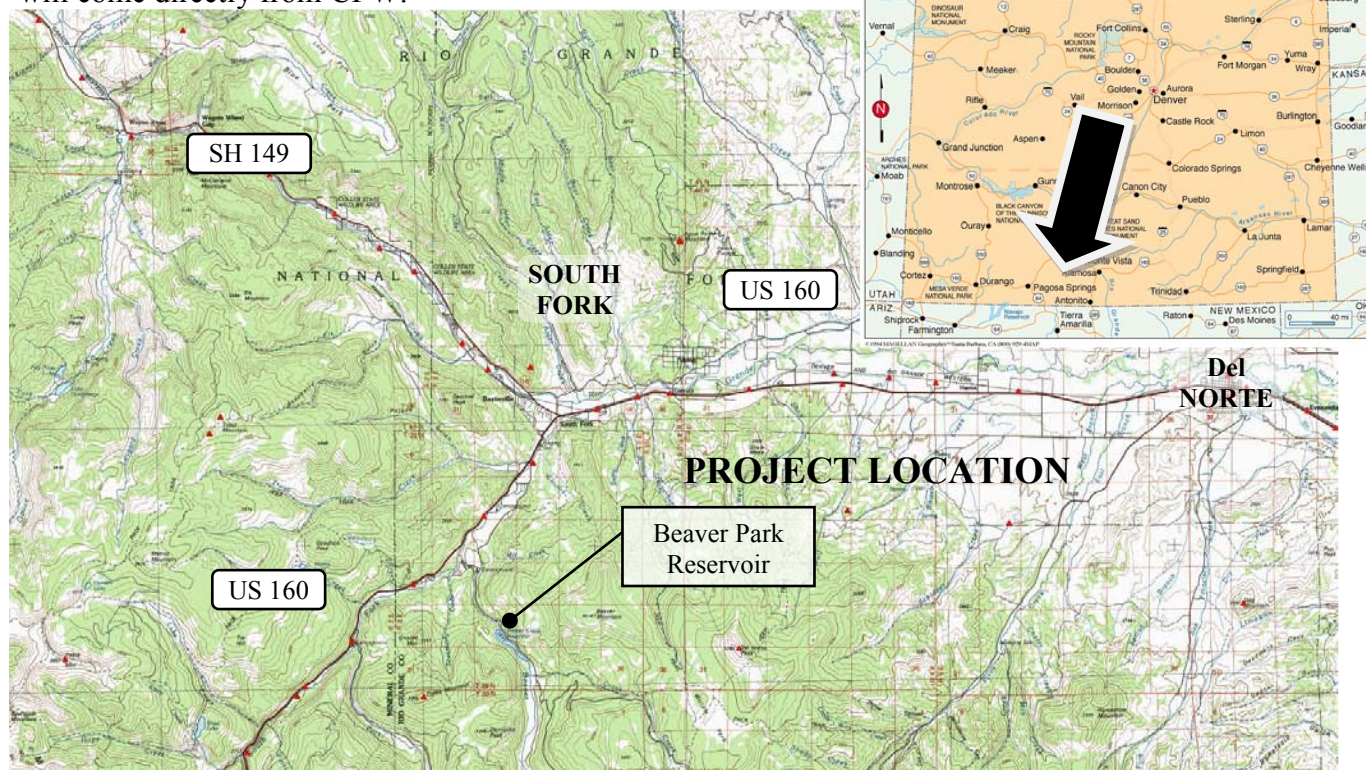
Average Annual Diversion: 4,434 AF

Restricted Capacity Reclaimed: 2,201 AF

CWCB Loan: \$10,000,000

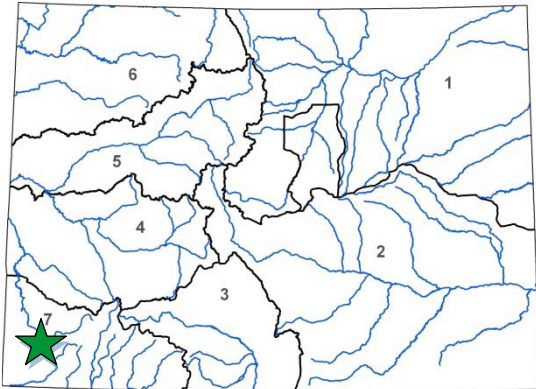
Interest Rate: 0% **Term:** 30-year

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





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



**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

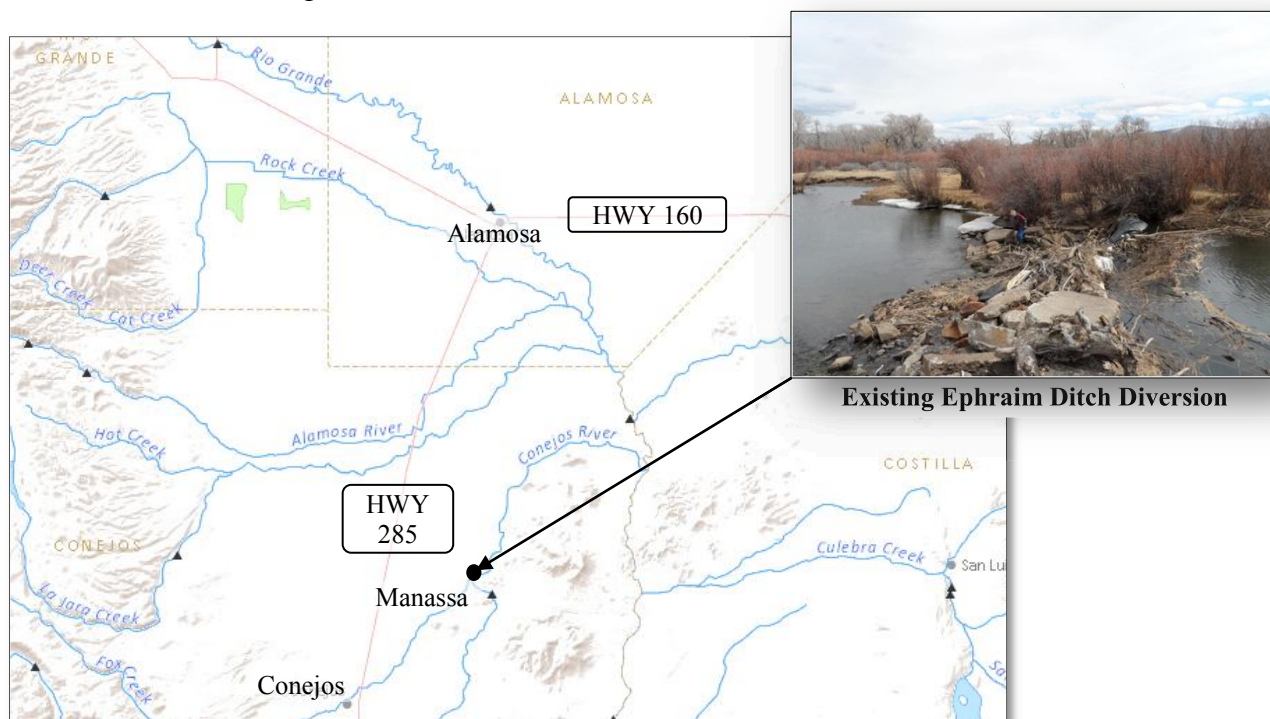
Average Annual Diversion: 4,100 AF

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

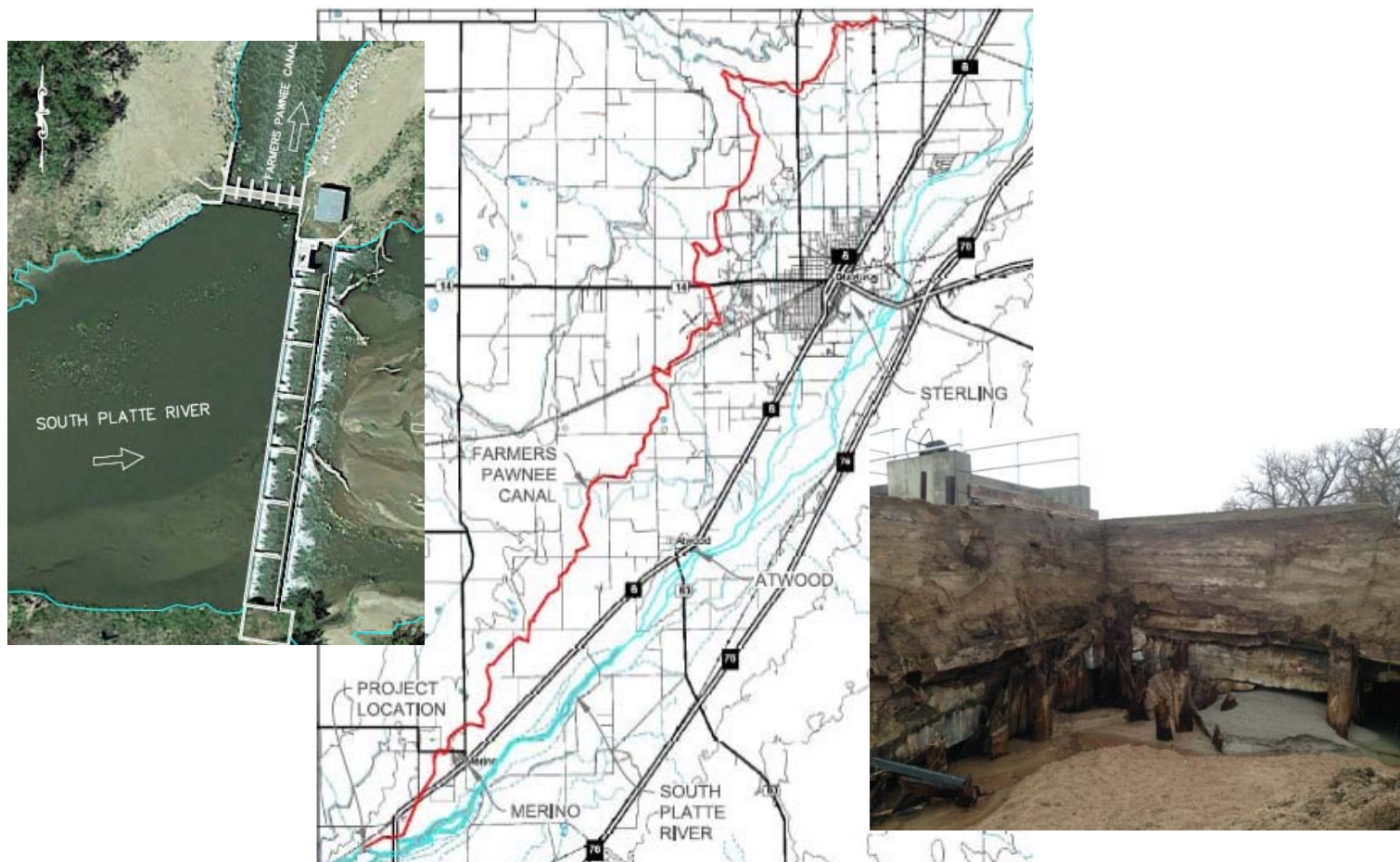
Type of Borrower: Agricultural

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.

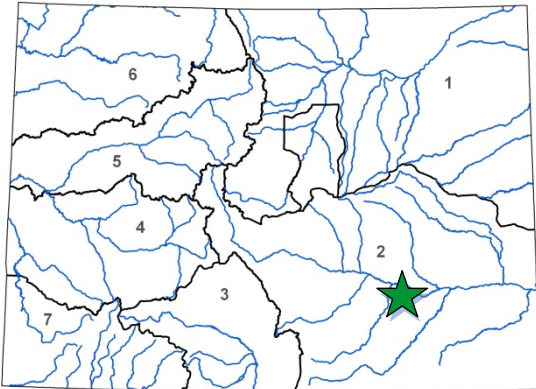




Replacement of the Horse Creek Flume

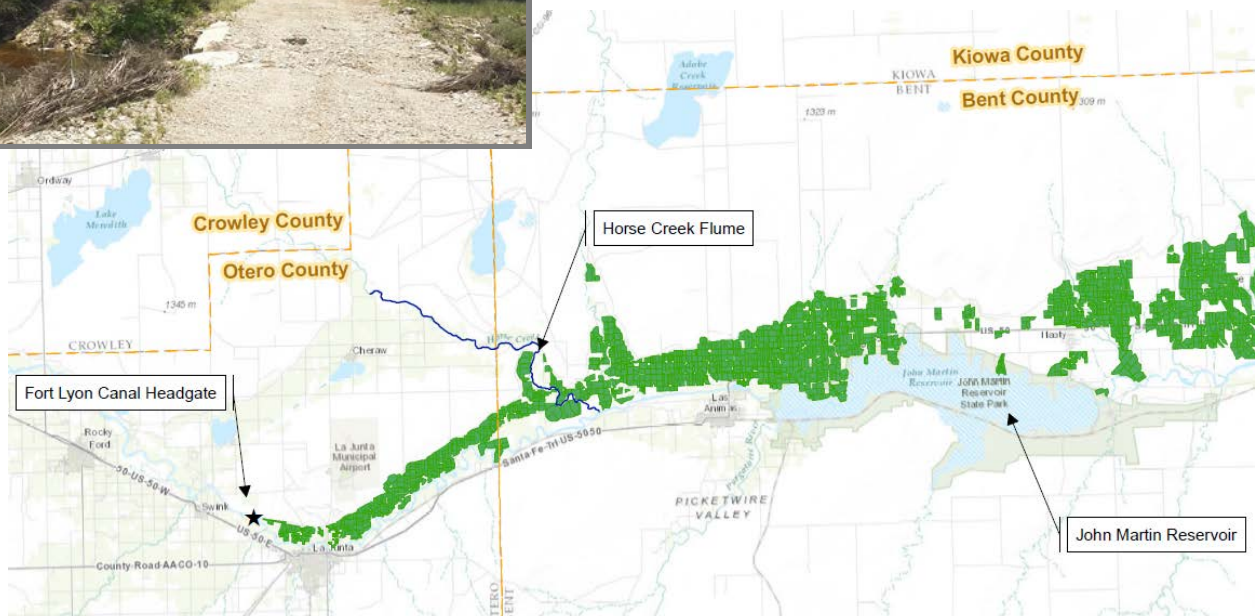
Fort Lyon Canal Company
September 2015 Board Meeting

L O A N D E T A I L S	
Project Cost:	\$2,188,000
CWCB Loan (with Service Fee):	\$1,629,130
Loan Term and Interest Rate:	30 Years @ 1.75%
Funding Source:	WSRA & Sev. Tax Perpetual Base Fund
B O R R O W E R T Y P E	
Agriculture	Municipal Commercial
99%	0% Low - 0% Mid - 0% High 1%
P R O J E C T D E T A I L S	
Project Type:	Ditch Rehabilitation
Average Annual Delivery:	221,000 AF



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

The Horse Creek Flume has been in operation since 1938. The flume is a 400-foot-long, 10-foot-diameter, elevated steel pipe located on the Fort Lyon Canal where it crosses Horse Creek, approximately 10 miles northeast of La Junta and about 8 miles west of Las Animas, in Bent County, Colorado. Three different Professional Engineers have assessed the flume and all found it to be in extremely poor condition and in need of immediate replacement. Failure of the flume, designed to convey 1800 cfs, could result in the loss of more than \$50 million in crop revenue and loss of supply to more than 14,000 acres of wildlife habitat in the downstream Queens and Thurston State Wildlife Areas. Despite ongoing repairs over the years, the flume has reached the end of its service life and the Company seeks to replace it.



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

C150359

Borrower: Town of Fowler, Water Enterprise

County: Otero

Project Name: Augmentation Pipeline Project

Project Type: Augmentation

Drainage Basin/ District: Arkansas / 17

Water Source: Arkansas River

Total Project Cost: \$305,000

Funding Source: Construction Fund

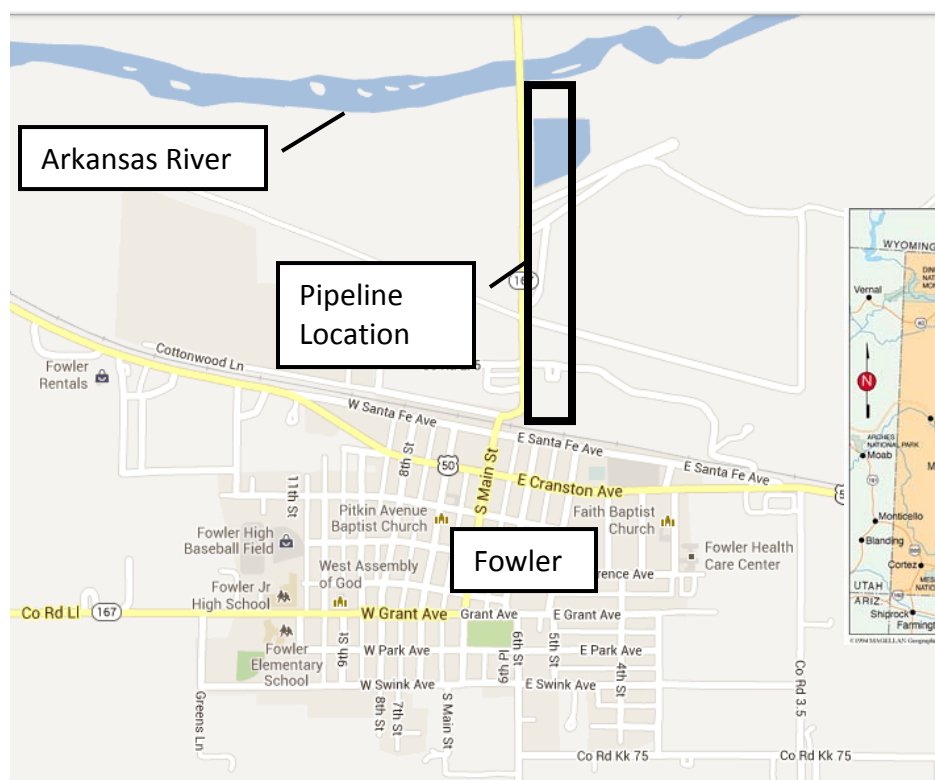
Type of Borrower: Municipal (Low)

Average Annual Diversion: 157 AF

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

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

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



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

C150399

Borrower: Fulton Irrigation Ditch Company

County: Adams

Project Name: Diversion Structure Rehabilitation Project

Project Type: Diversion Rehabilitation

Drainage Basin/ District: South Platte / 2

Water Source: South Platte River

Total Project Cost: \$2,230,000

Funding Source: Construction Fund

Type of Borrower: Blended

Average Annual Diversion: 29,684 AF

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

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

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



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

Borrower: Town of Georgetown
(Water and Sewer Enterprise)

County: Clear Creek County

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

Drainage Basin/District: South Platte / 7

Water Source: Clear Creek

Total Project Cost: \$3,275,000

Funding Source: Construction Fund

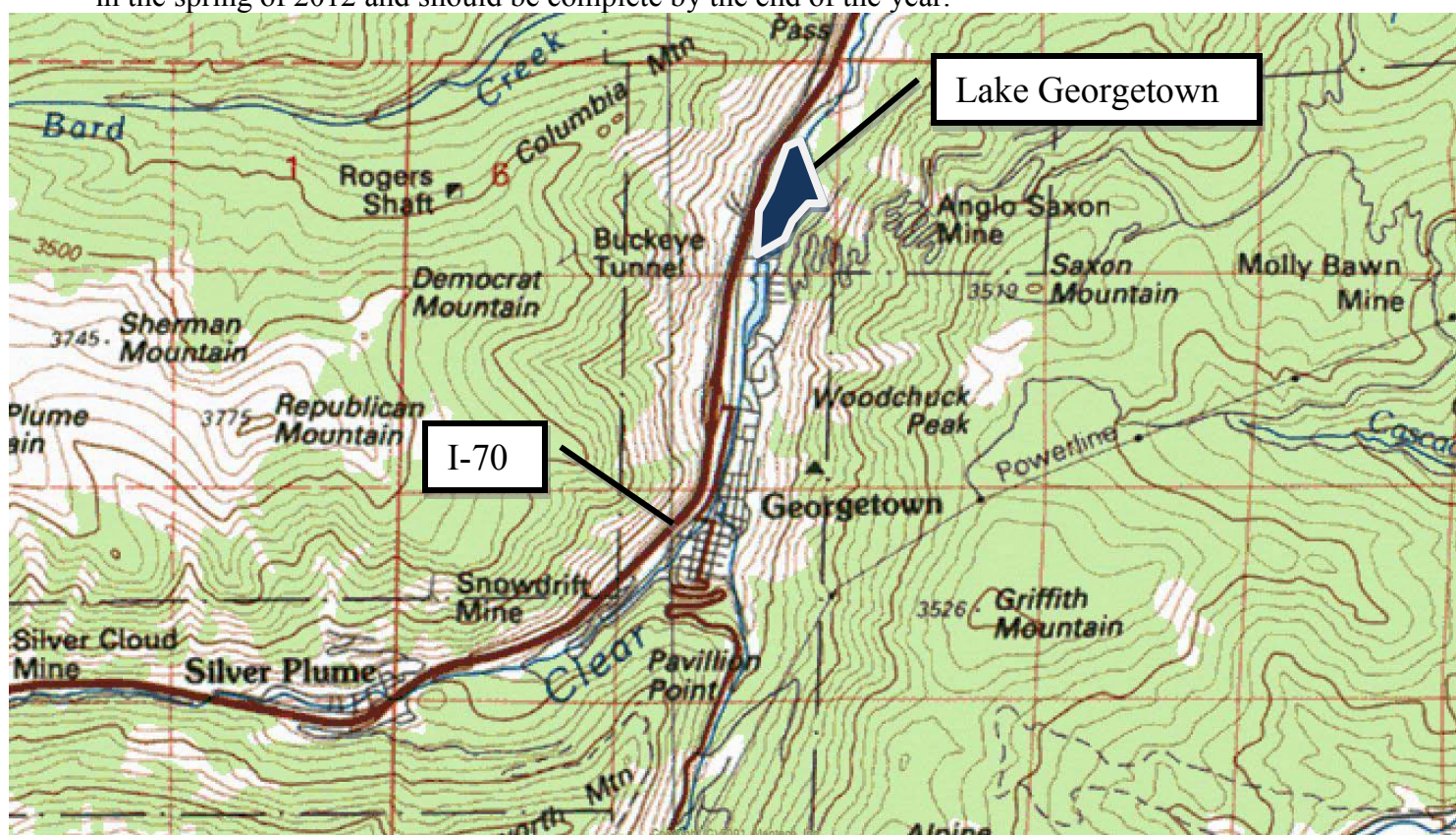
Type of Borrower: Middle-Income Municipal

Average Diversion: 208 AF

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

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

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



CWCW Water Project Loan Program Project Data Sheet

Borrower: Grand Mesa Water Conservancy District

County: Delta

Project Name: Peak Reservoir and Blanche Park Reservoir Rehabilitation

Project Type: Reservoir Rehabilitation

Drainage Basin/ District: Gunnison / 40

Water Source: Surface Creek

Total Project Cost: \$640,000

Funding Source: Construction Fund/
WSRA Gunnison Basin Funds

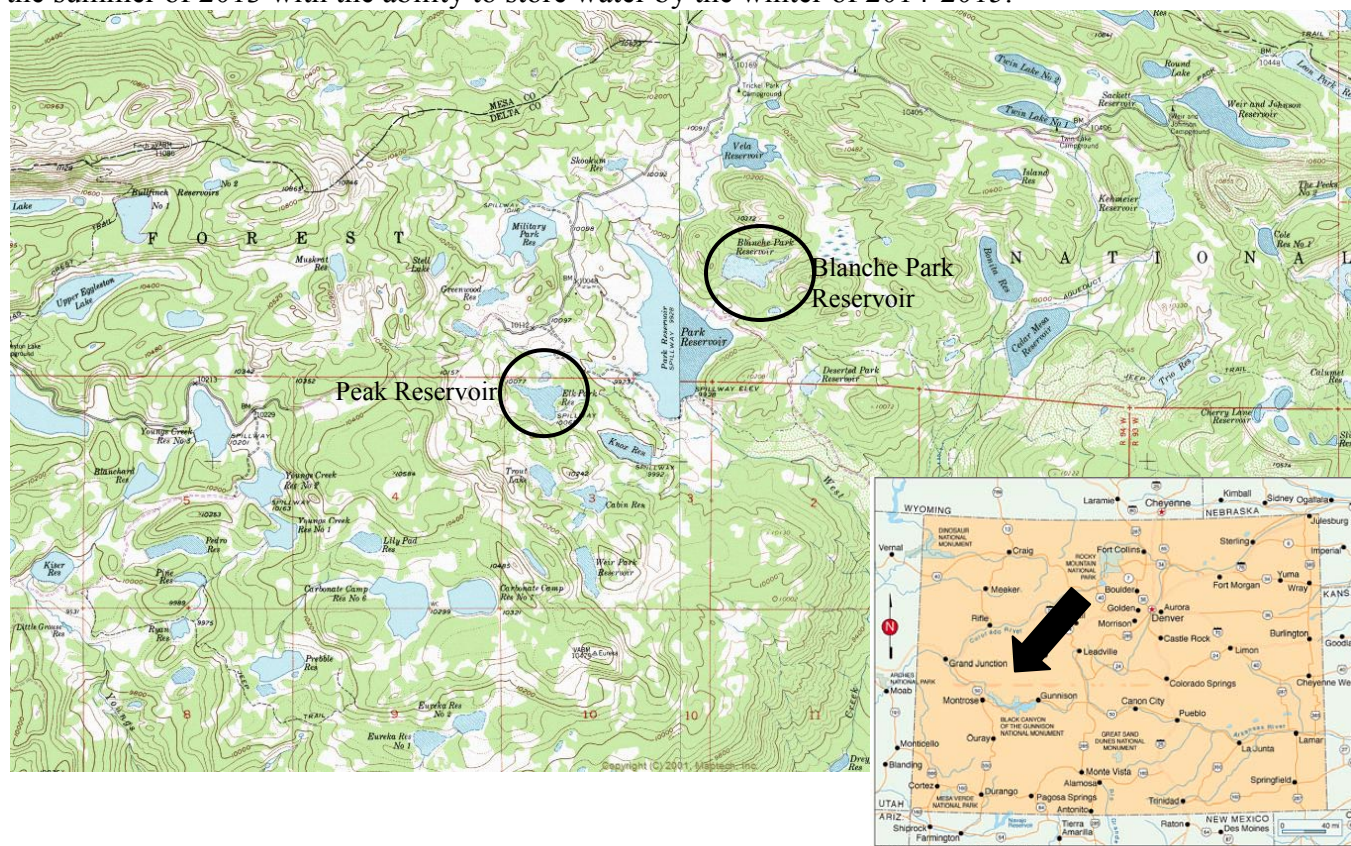
Type of Borrower: Municipal/Agricultural

Average Annual Diversion: 400 AF
Storage Added: 155 AF

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

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

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



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

C150362

Borrower: Greeley and Loveland Irrigation Company

County: Larimer

Project Name: Irrigation System Improvements

Project Type: Reservoir Rehabilitation

Drainage Basin/ District: South Platte / 4

Water Source: Big Thompson River

Total Project Cost: \$3,470,000

Funding Source: Construction Fund

Type of Borrower: Agricultural

Average Annual Diversion: 45,000 AF

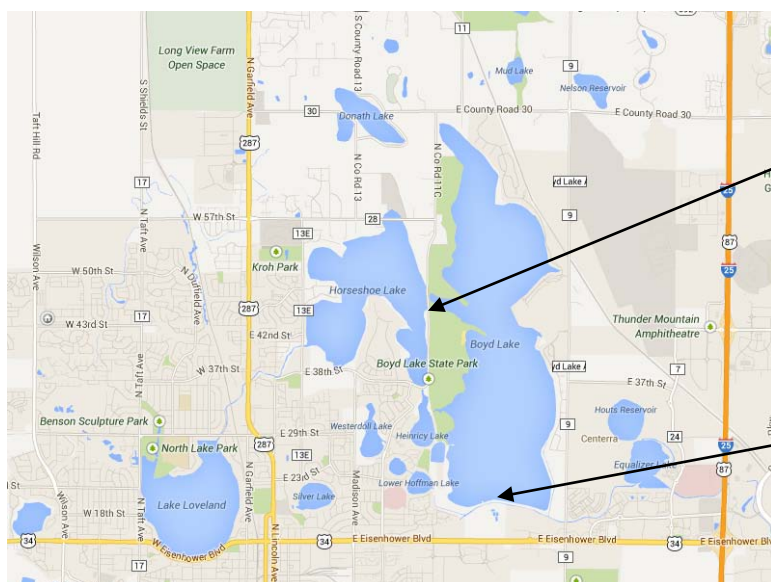
CWCB Loan: \$3,154,230
(with 1% service fee)

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

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

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

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



Existing Horseshoe Lake High-Level Outlet



Existing Boyd Lake High-Level Outlet

CWCBC 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

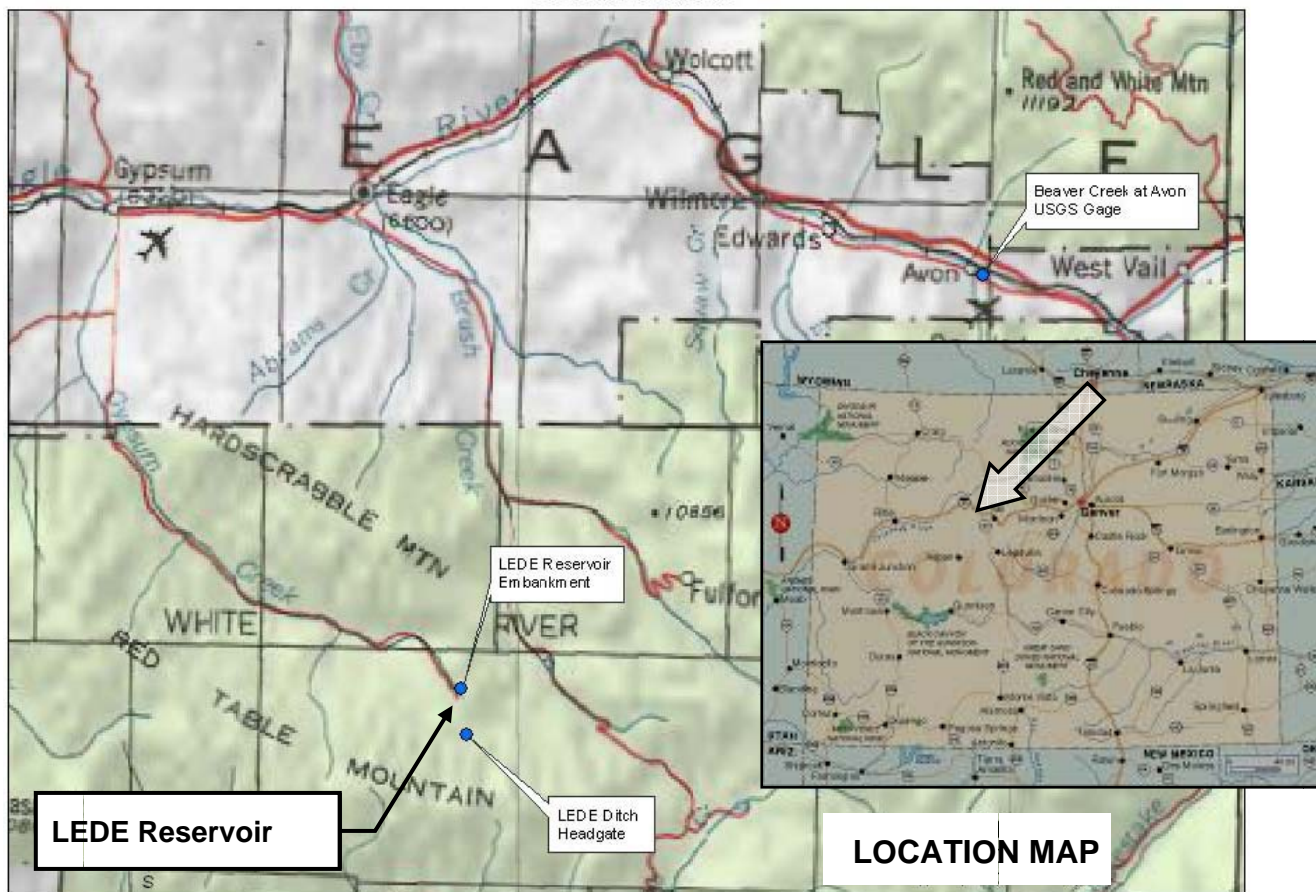
New Storage: 254 AF

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.

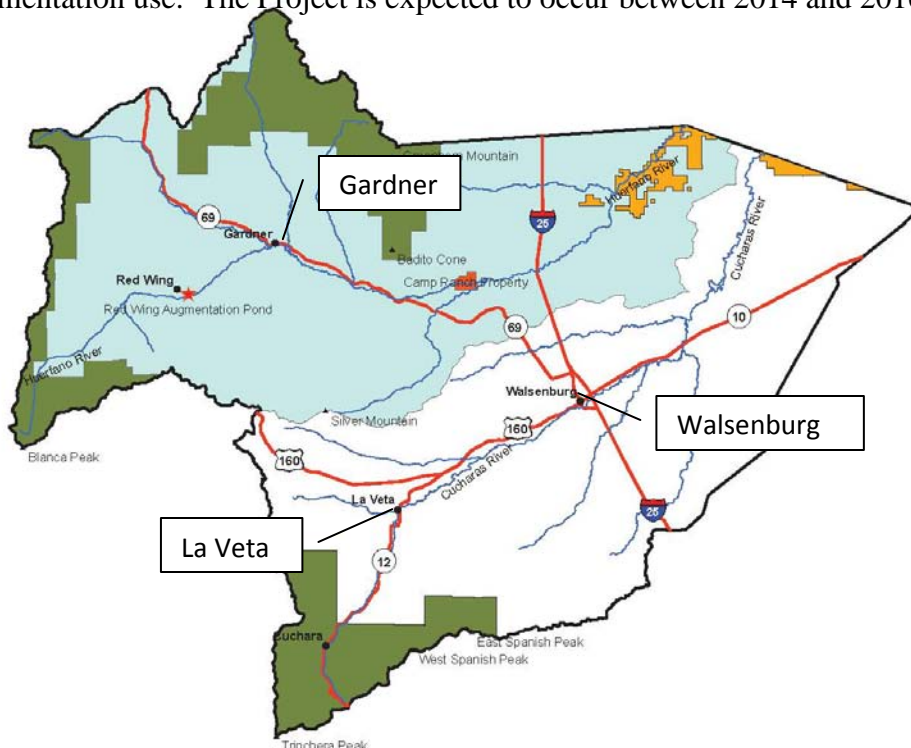
General Locations



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

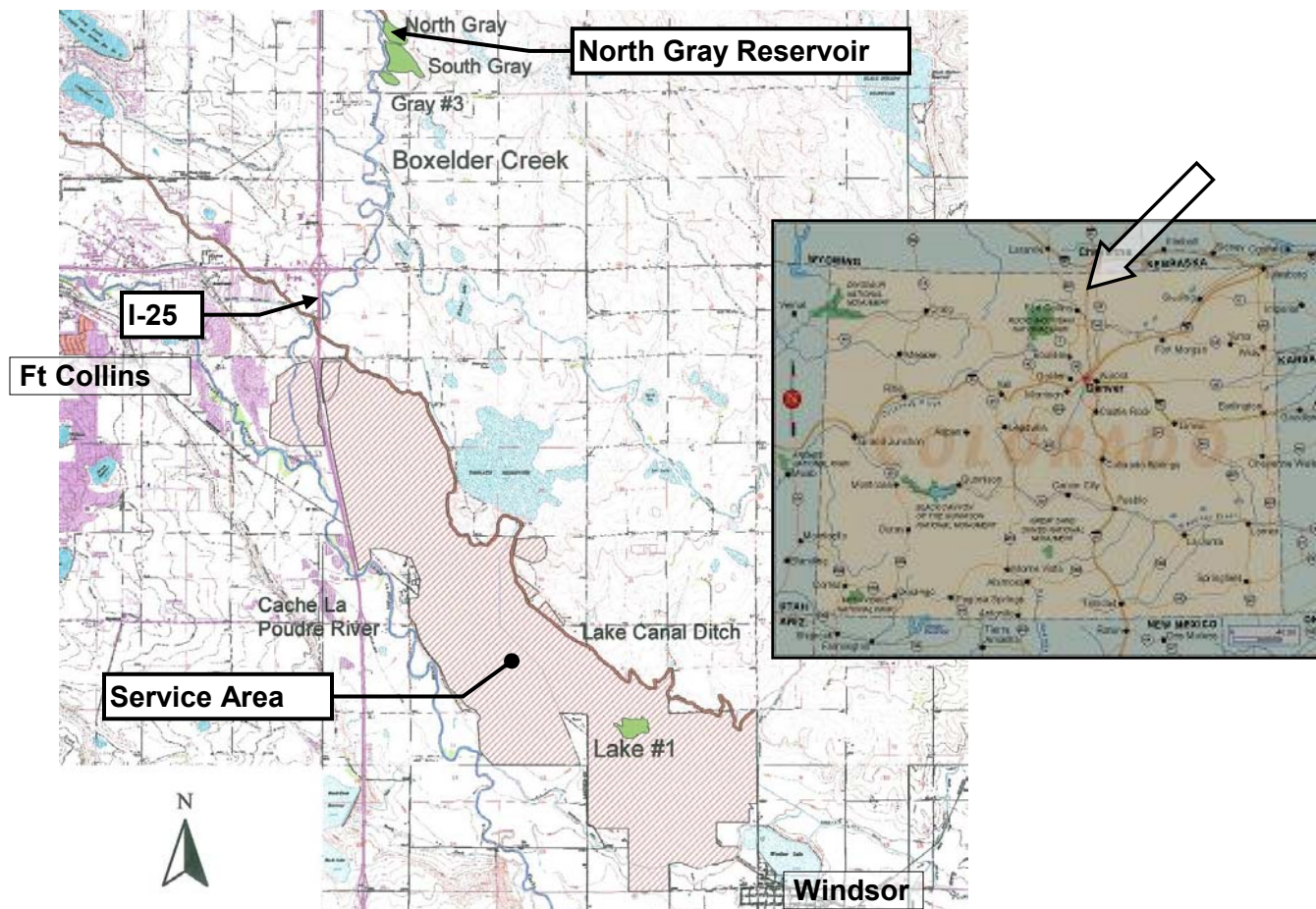
Details: 333 AF Stored
75 AF Recovered

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

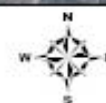
WSRA Statewide Grant: ~~\$500,000~~ **\$450,000**

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

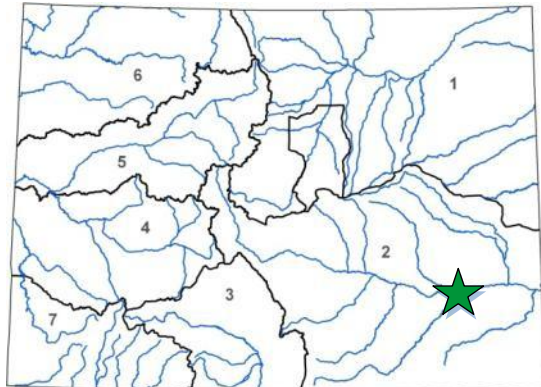




Repair & Replacement of the Las Animas Consolidated Canal Spillway Structure

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 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
Project Name: Emergency Diversion Structure
and Ditch Repair
Drainage Basin/ District: South Platte / 4

County: Larimer

Project Type: Ditch Rehabilitation

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.



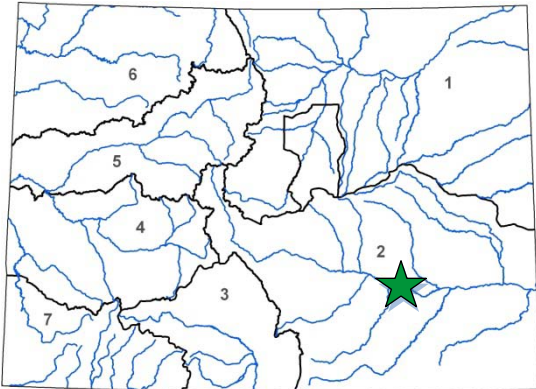


Water Rights Purchase Project

Lower Arkansas Valley Water Conservancy District

May 2015 Board Meeting

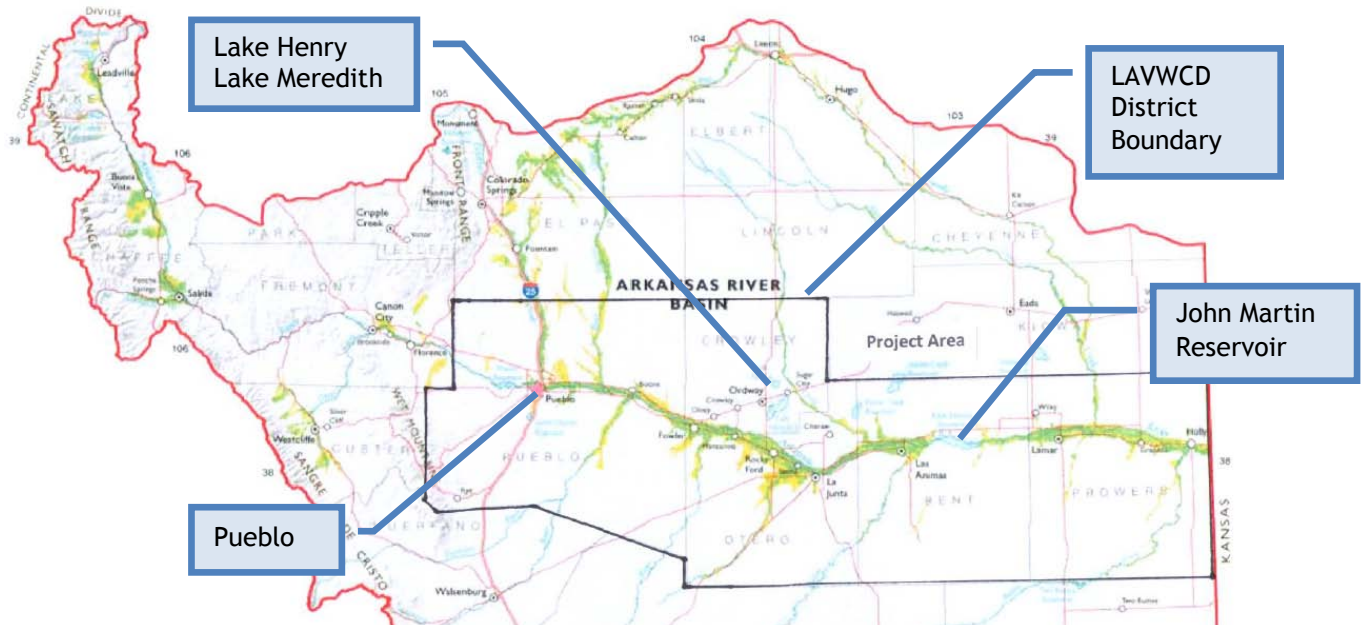
L O A N D E T A I L S	
Project Cost:	\$4,077,000
CWCB Loan (with Service Fee):	\$2,560,350
Loan Term and Interest Rate:	20 years @ 1.45%
Funding Source:	Severance Tax Perpetual Base Fund
B O R R O W E R T Y P E	
Agriculture	Municipal Commercial
100%	0% Low 0% Mid 0% High 0%
P R O J E C T D E T A I L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



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

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

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



**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

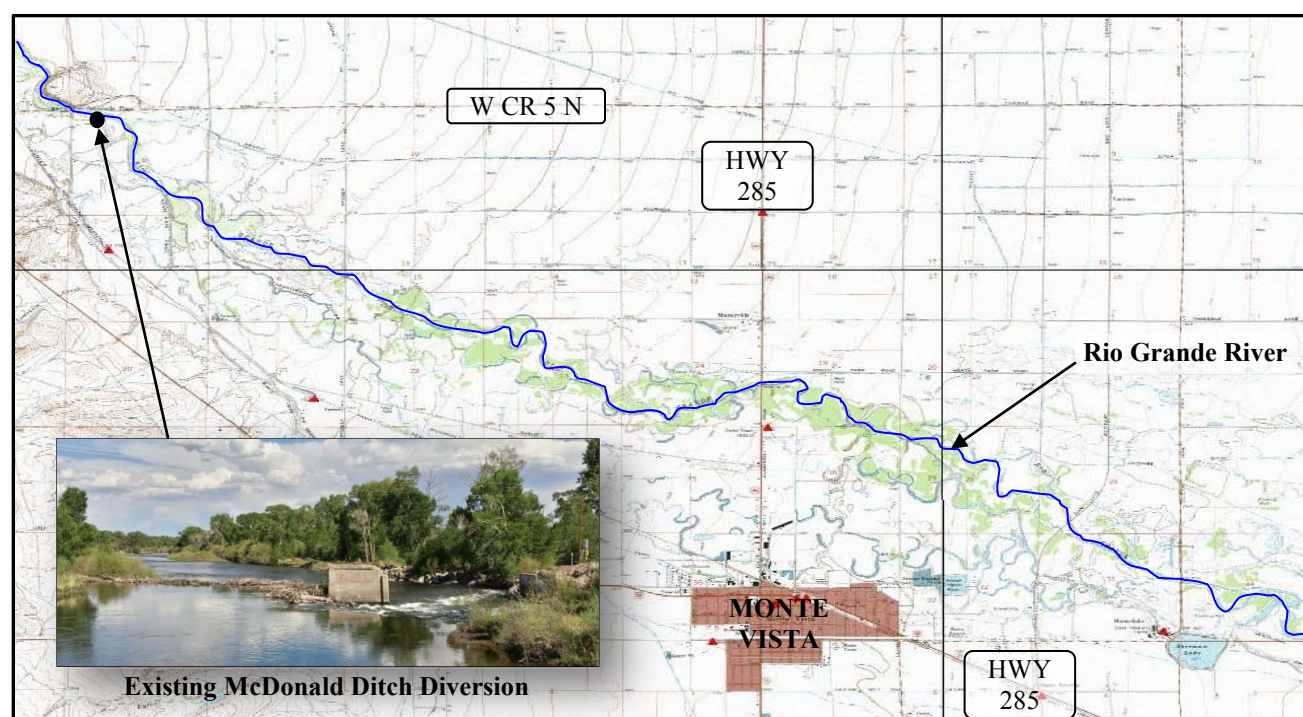
Average Annual Diversion: 45,000 AF

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

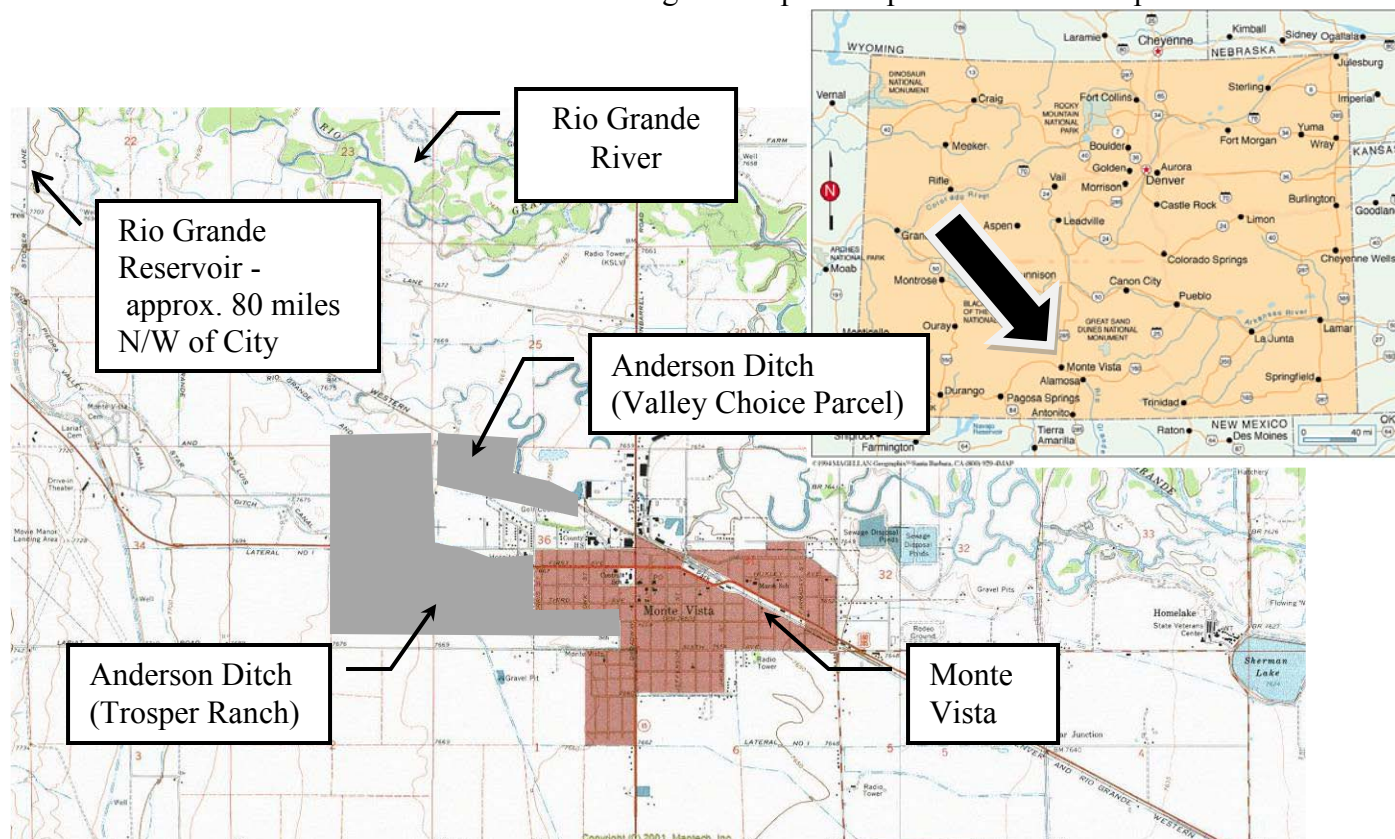
Water Source: Rio Grande River

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

**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

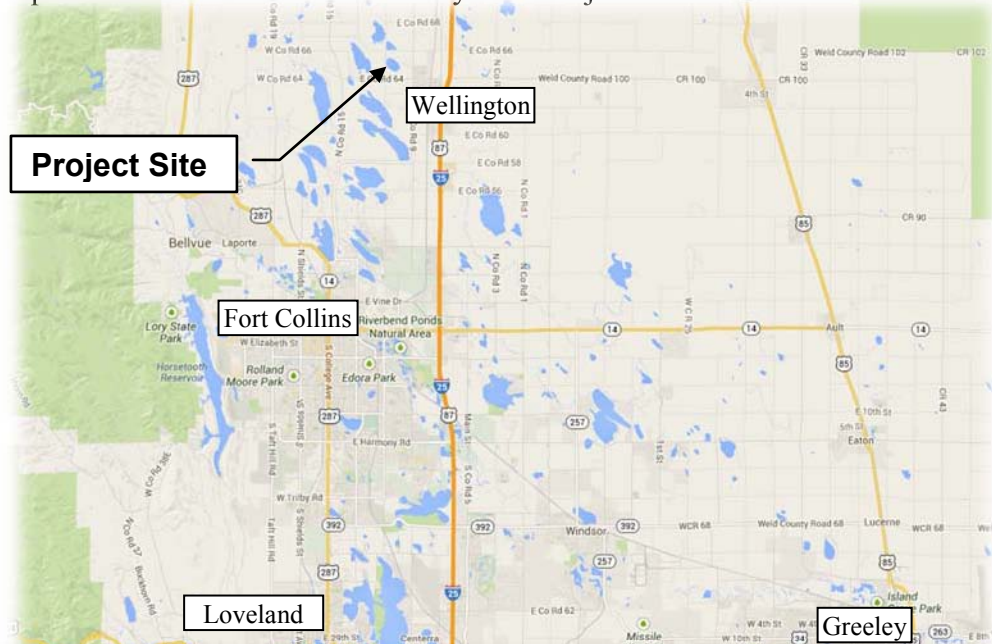
Type of Borrower: Blended

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.

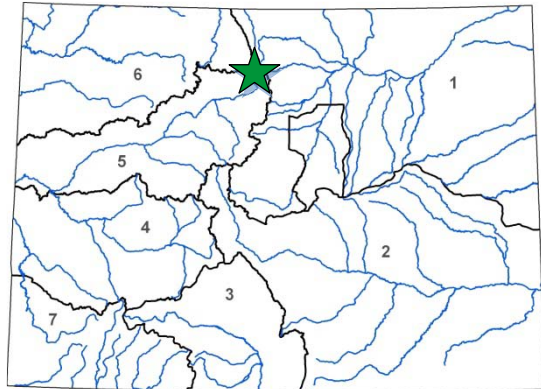




Granby Hydropower Project

Northern Colorado Water Conservancy District
November 2014 Board Meeting

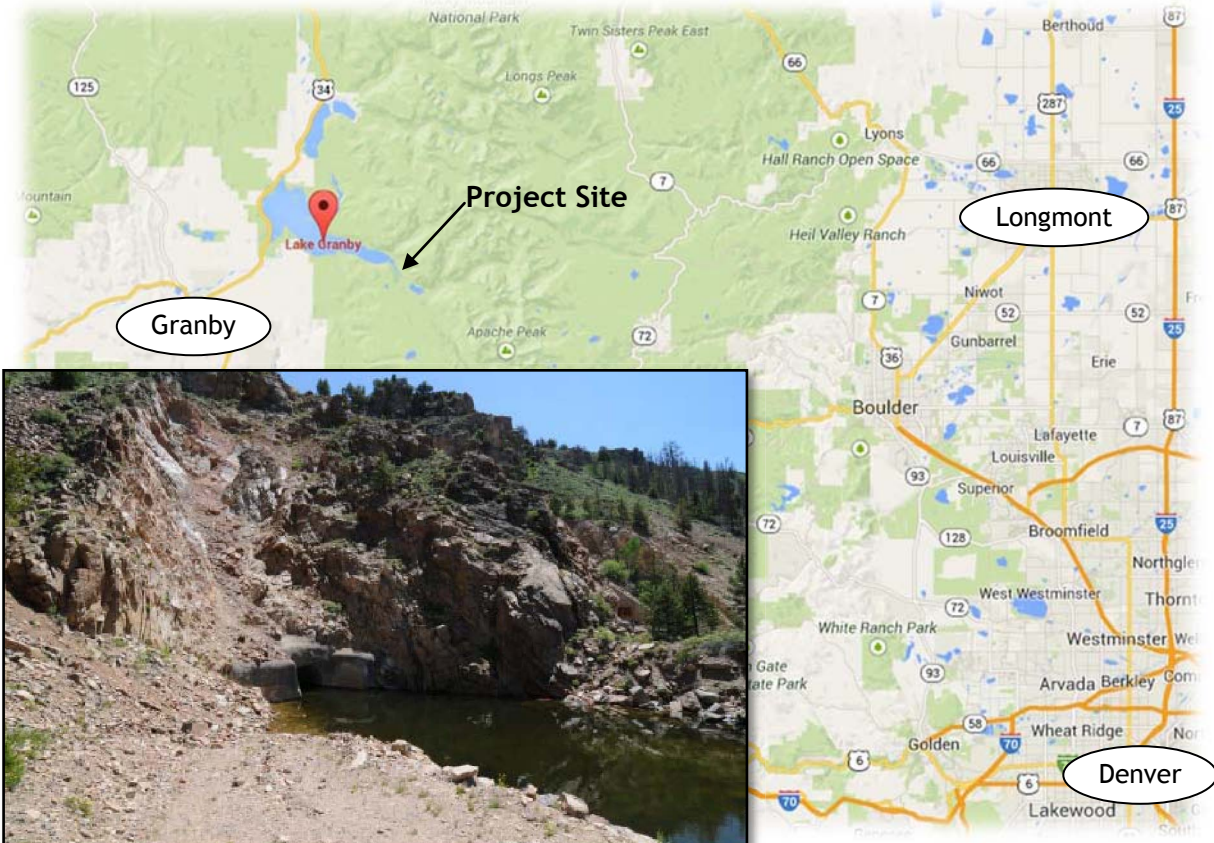
L O A N D E T A I L S	
Project Cost:	\$5,669,340
CWCB Loan (with Service Fee):	\$5,135,183
Loan Term and Interest Rate:	30 Years @ 2.0 %
Funding Source:	Severance Tax Perpetual Base Fund
B O R R O W E R T Y P E	
Hydropower	
P R O J E C T D E T A I L S	
Project Type:	Hydroelectric
Average Annual Power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

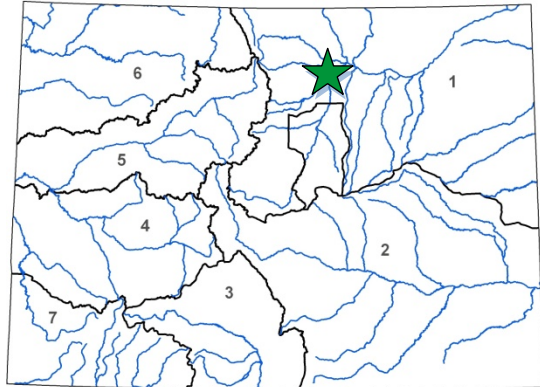
The hydro station will use the minimum streamflow obligations and a portion of additional releases to generate power through a 1.2-megawatt facility. The Project is being performed under the U.S. Bureau of Reclamation's Lease of Power Privilege (LOPP) process. Power generated will be purchased by Mountain 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

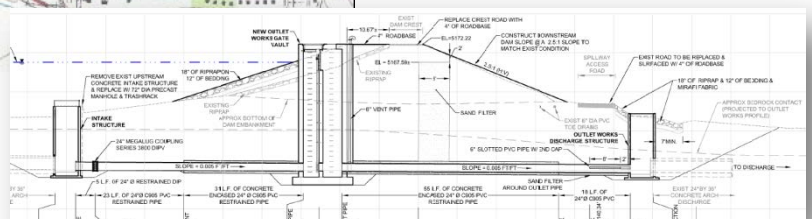
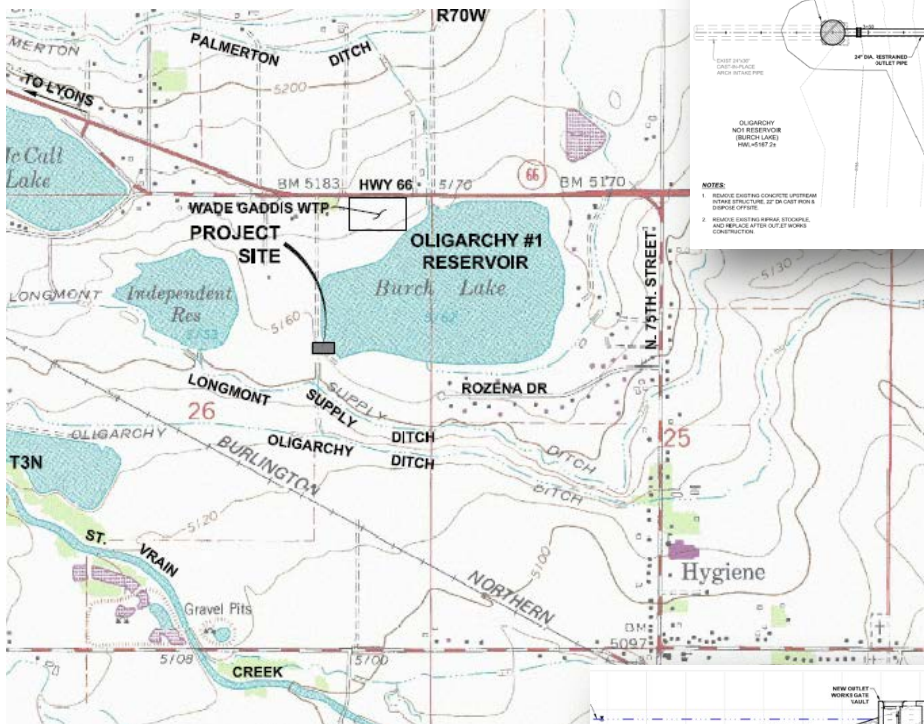
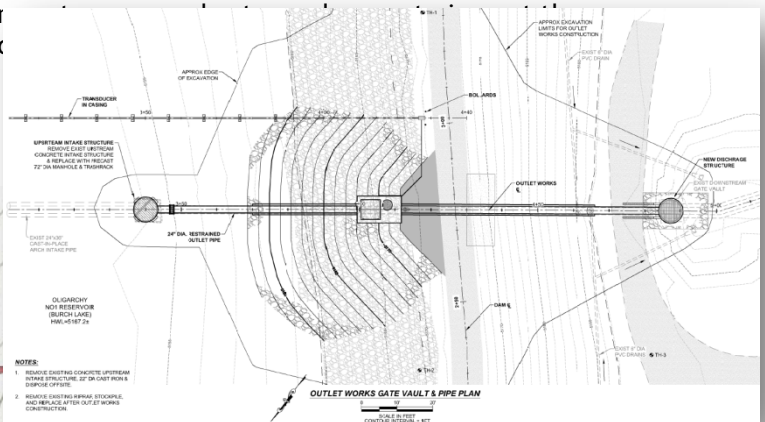


LOAN DETAILS	
Project Cost:	\$860,000
CWCB Loan (with Service Fee):	\$781,740
Loan Term and Interest Rate:	30 Years @ 2.40%
Funding Source:	Construction Fund
BORROWER TYPE	
Agriculture	Municipal (TBD)
25.4%	0% Low - 74.6% Mid - 0% High
Commercial	0%
PROJECT DETAILS	
Project Type:	Dam Rehabilitation
Average Annual Delivery:	7,966 AF
Water Supply Storage Preserved:	1,737 AF



LOCATION	
County:	Boulder
Water Source:	St Vrain Creek
Drainage Basin:	South Platte
Division:	1
District:	5

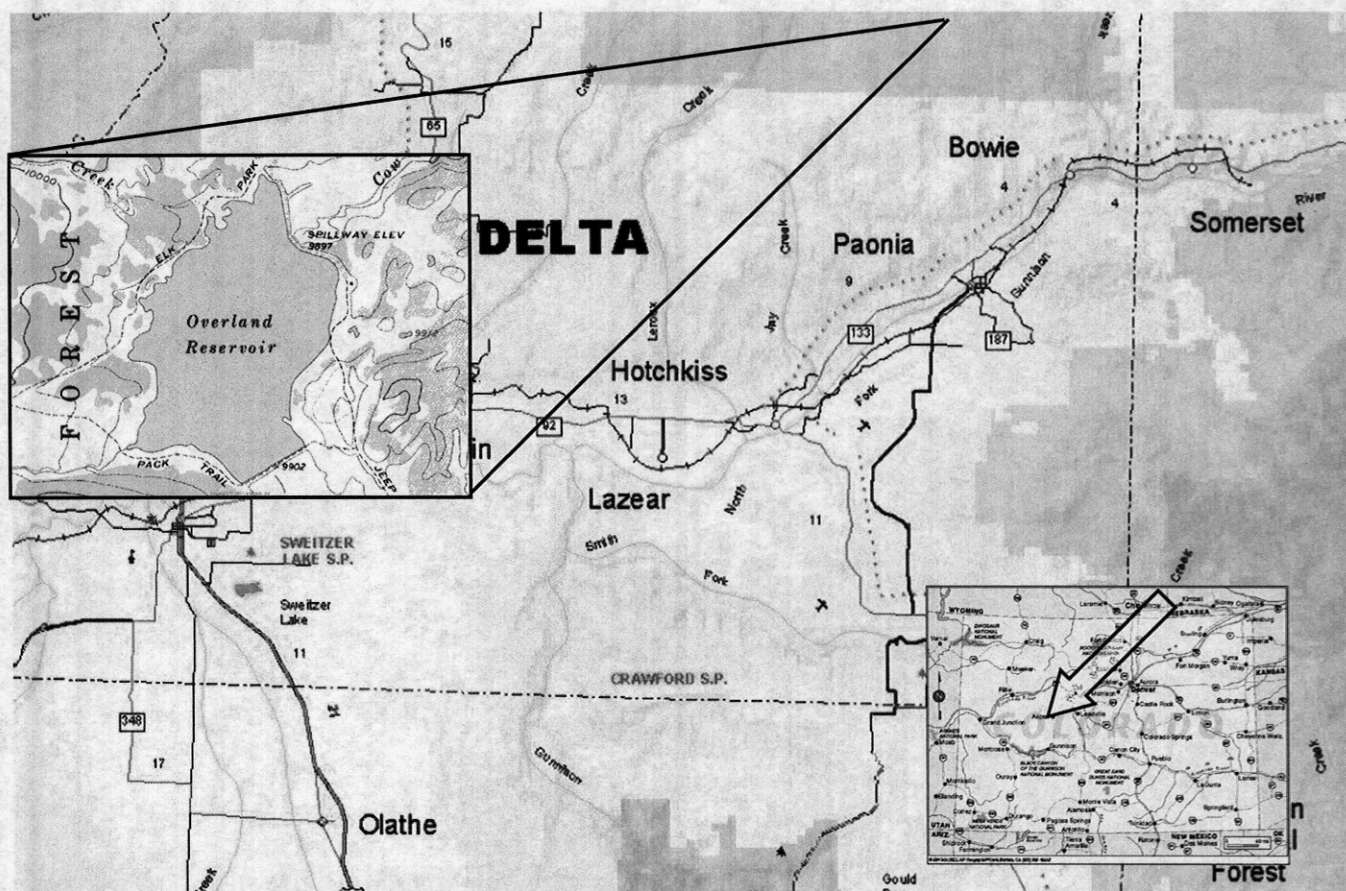
The Oligarchy Irrigation Company owns and operates the Oligarchy #1 Dam and Reservoir, also known as Burch Lake. The reservoir stores 1,737 acre-feet of water and is classified as a significant hazard dam by the Office of the State Engineer (SEO). The purpose of the project is to rehabilitate the Oligarchy Reservoir No.1 dam outlet works to include a new unpressurized outlet pipe, an outlet works system. Construction is expected to occur



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

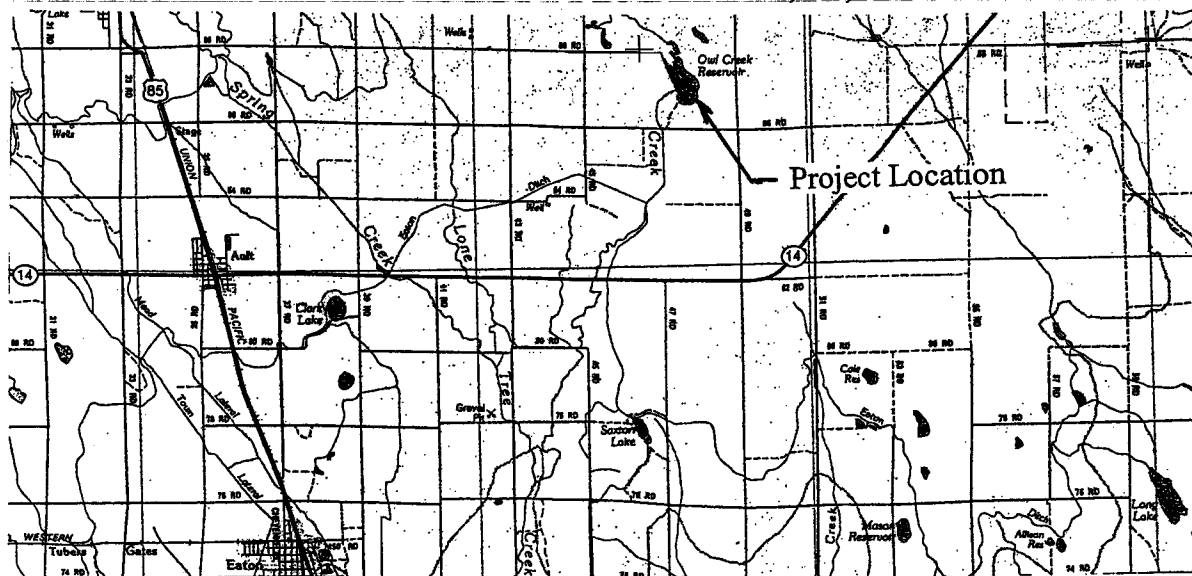
Total Project Cost: \$1,250,000 **Funding Source:** CWCB

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.

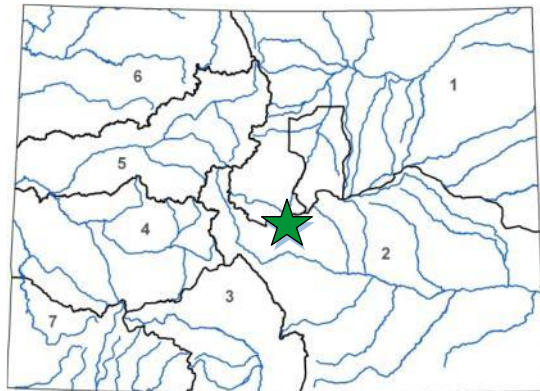


Location Map



(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.



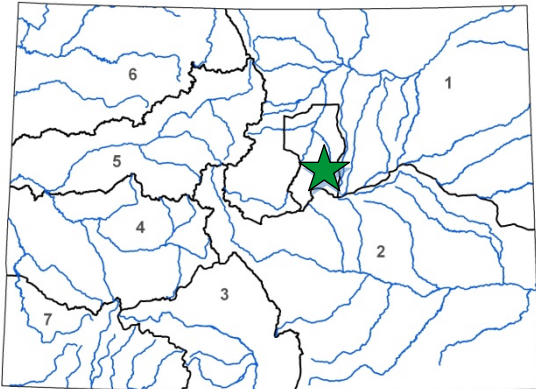


Raw Water Supply Project

Plum Valley Heights Subdistrict of the Roxborough Water and Sanitation District

May 2015 Board Meeting

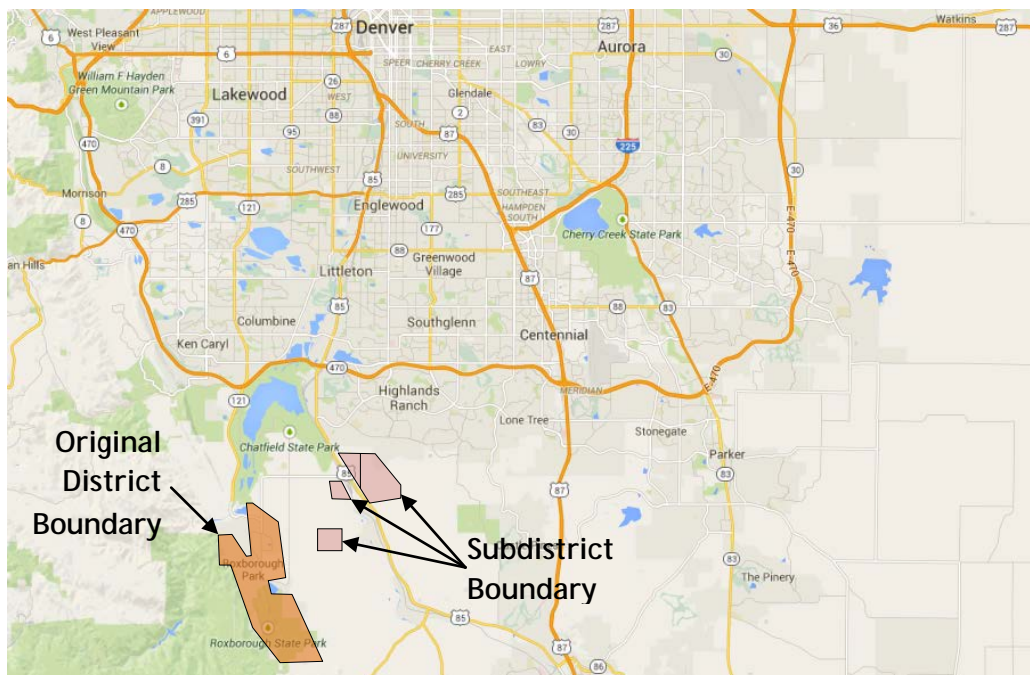
L O A N D E T A I L S	
Project Cost:	\$2,473,605
CWCB Loan (with Service Fee):	\$2,248,260
Loan Term and Interest Rate:	30 Years @ 3.05%
Funding Source:	Construction Fund
B O R R O W E R T Y P E	
Agriculture	Municipal
0%	0% Low - 0% Mid - 100% High
	Commercial
	0%
P R O J E C T D E T A I L S	
Project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



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

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

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



**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

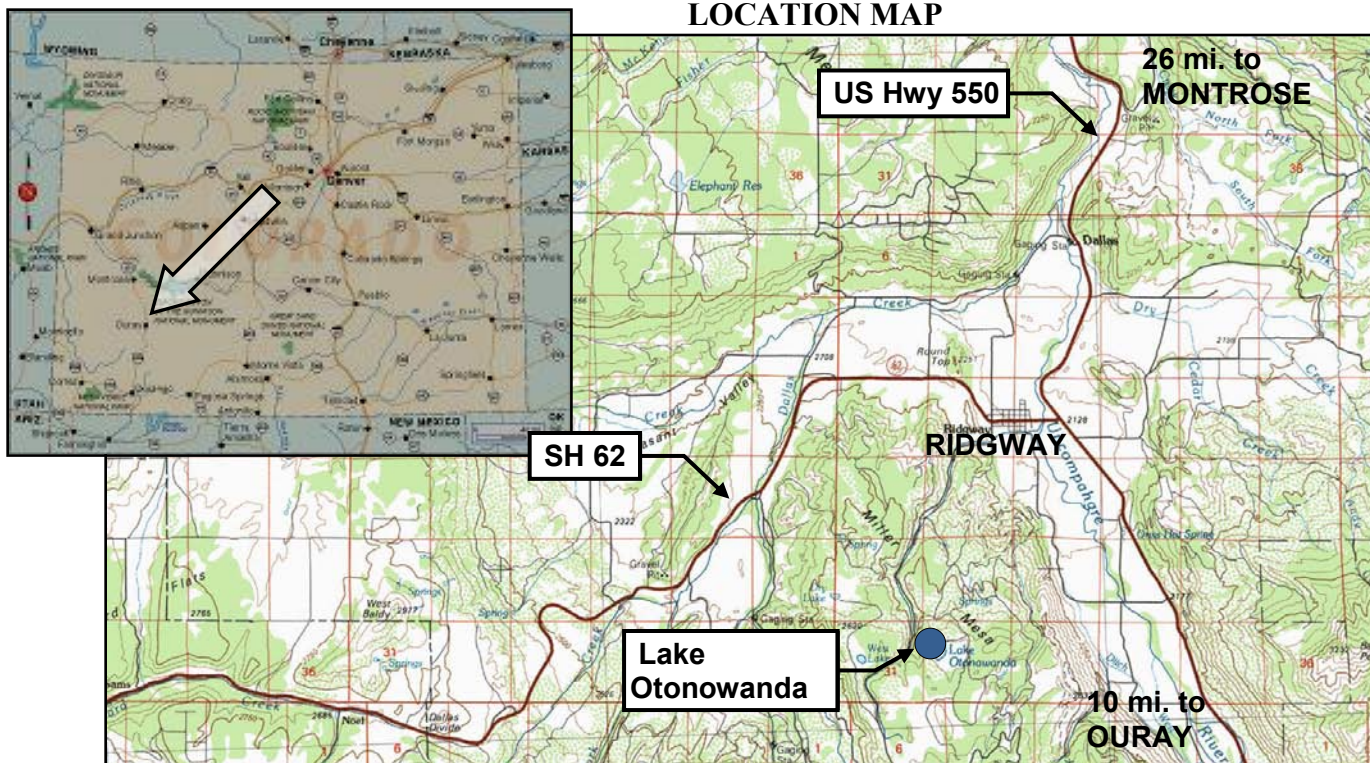
The Prairie Ditch Company is a Mutual Ditch Company formed in 1887. The Prairie Ditch diversion structure and headgate is located seven miles northwest of Monte Vista, Colorado on the Rio Grande River and has a service area of approximately 23,000 acres. The diversion and headgates were constructed in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

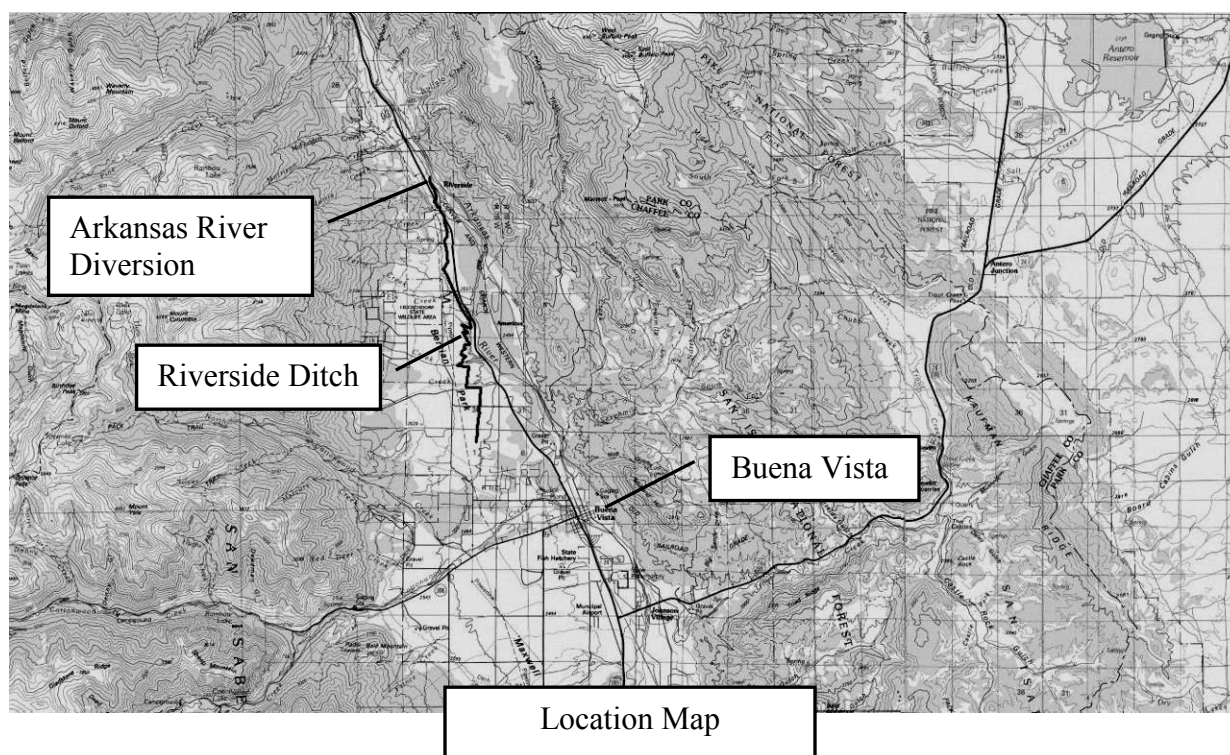
Type of Borrower: Agricultural

Average Diversion: 3,250 acre-feet

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

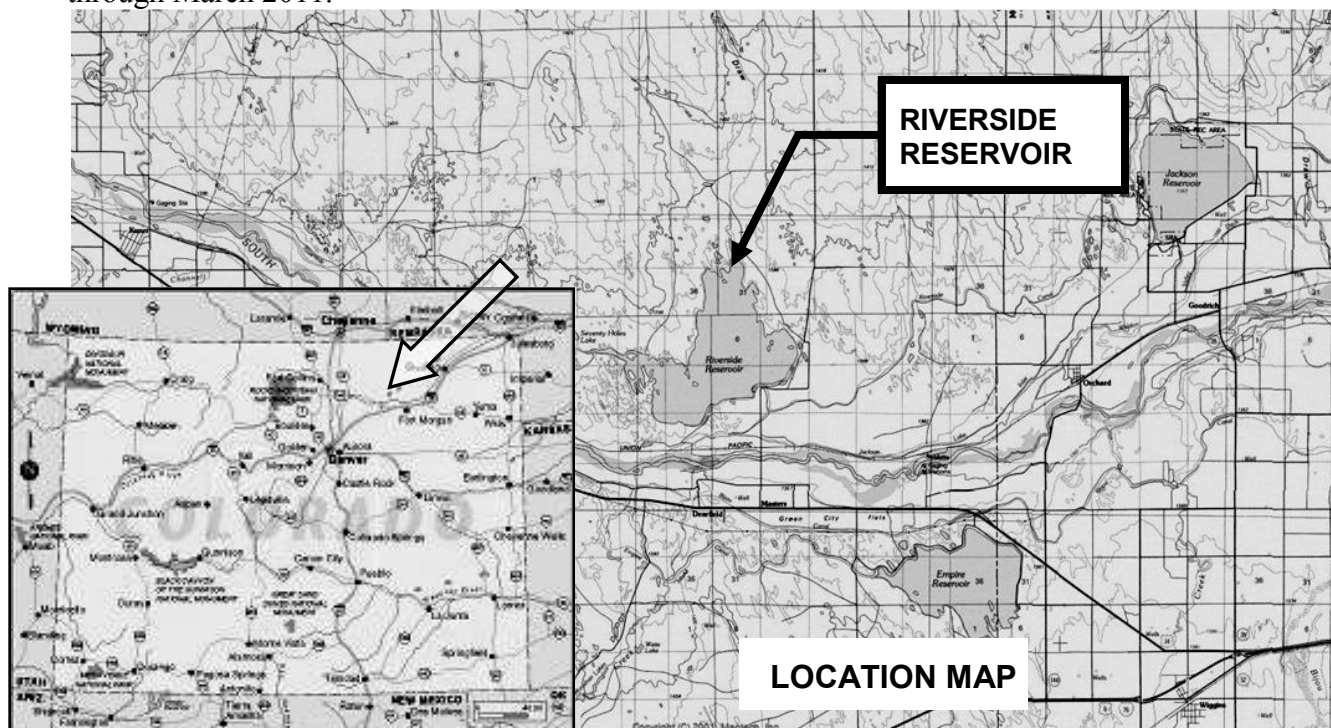
Interest Rate: 2.75% **Term:** 30 years

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.



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

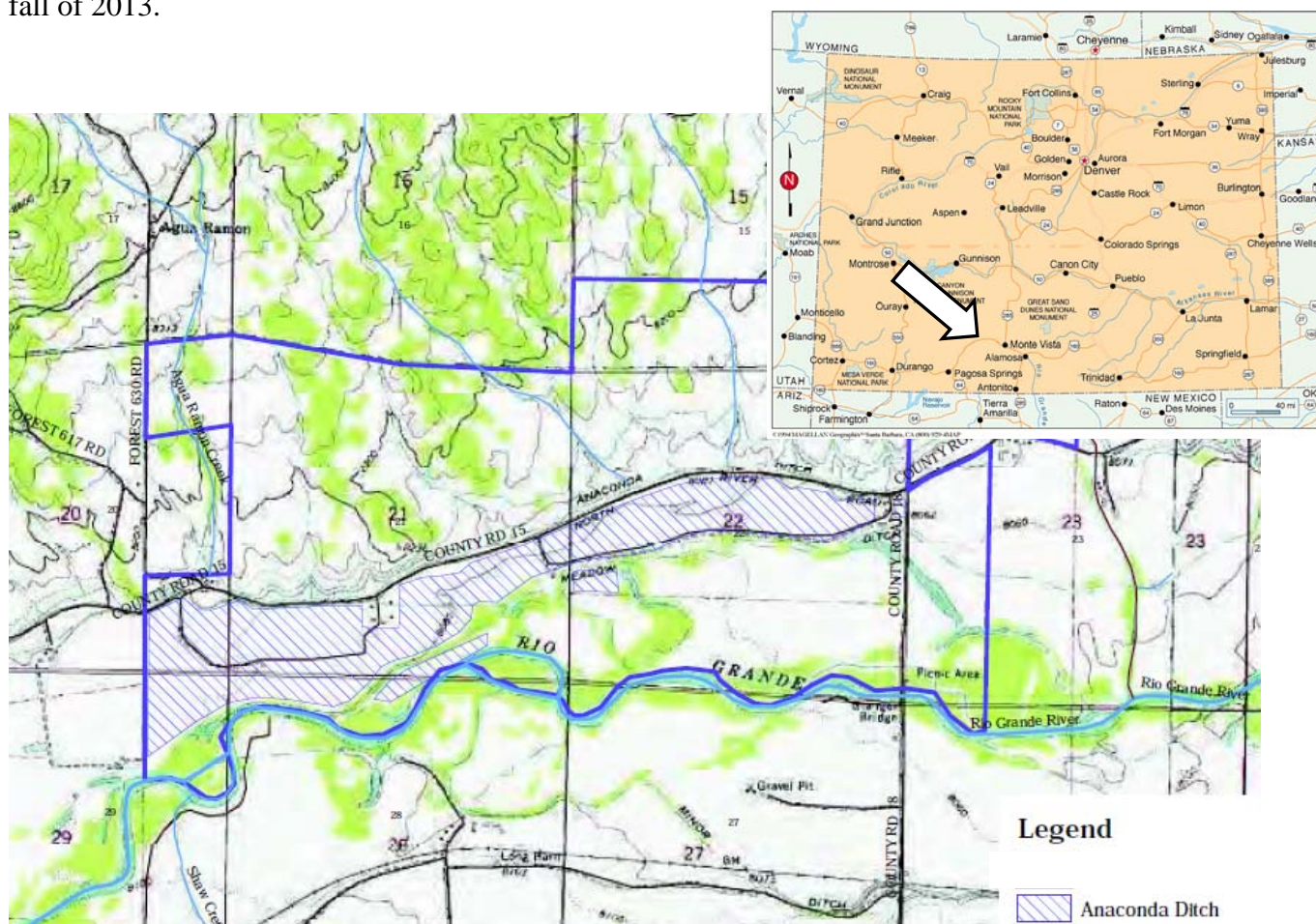
Type of Borrower: Municipal Low Income

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.



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

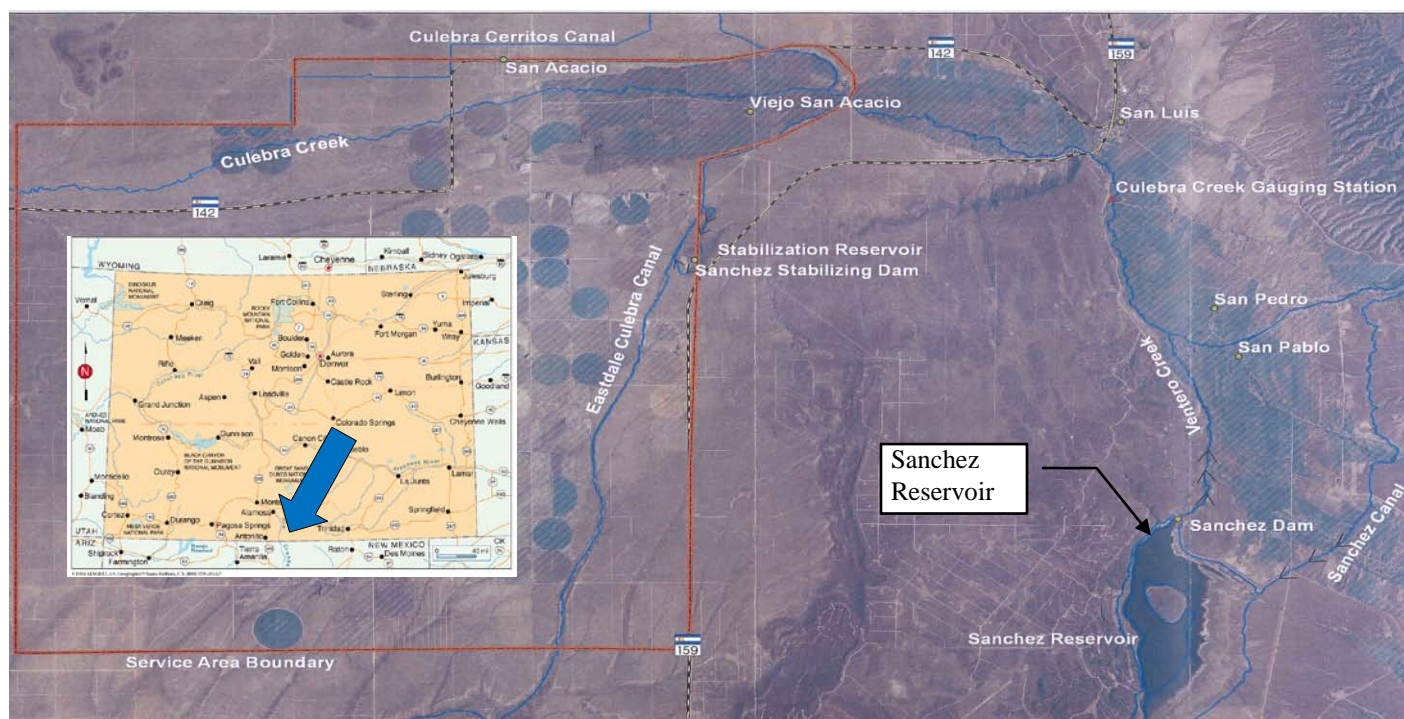
Funding Sources: Construction Fund &
WSRA (Basin & Statewide funds)

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.



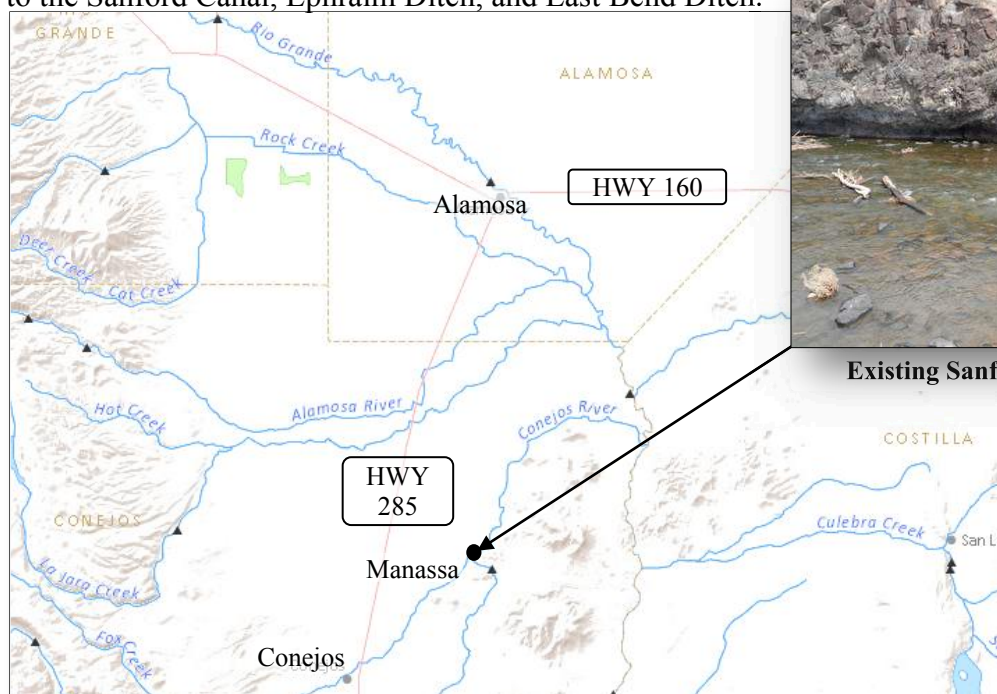
CWCW Water Project Loan Program
Project Data Sheet

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: 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

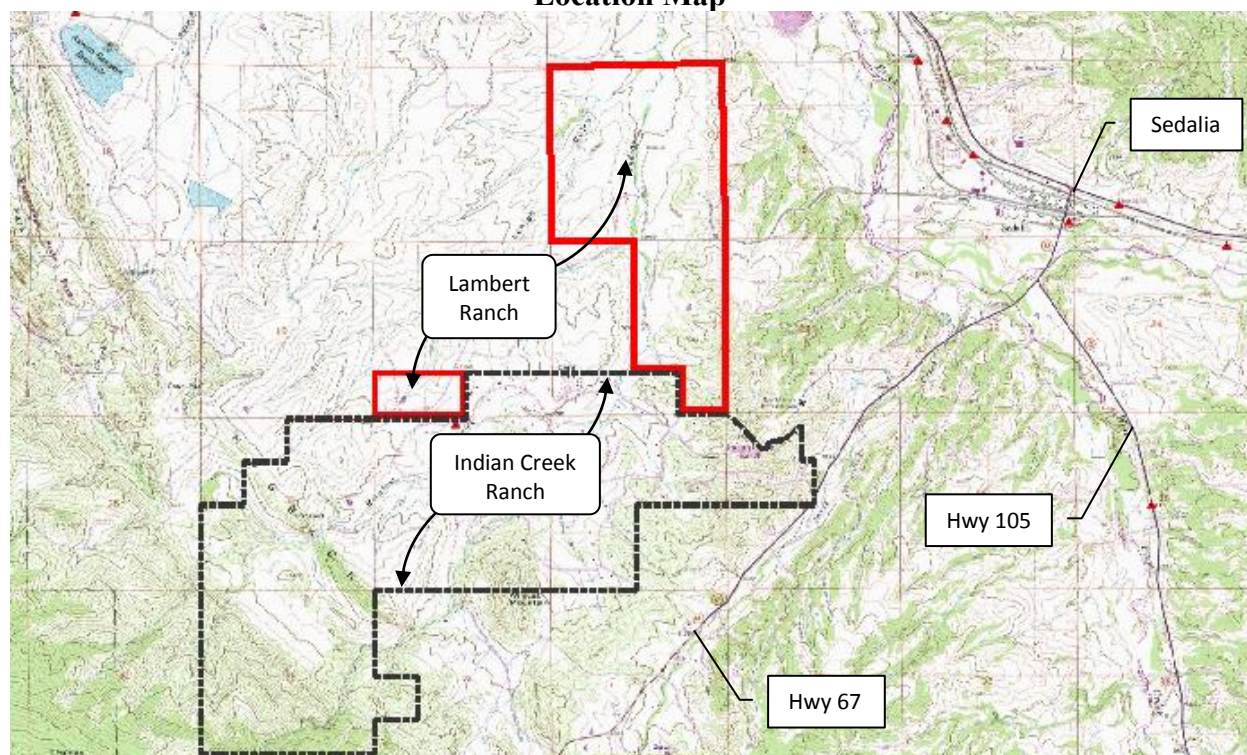
Avg. Annual Delivery: 55 AF

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

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

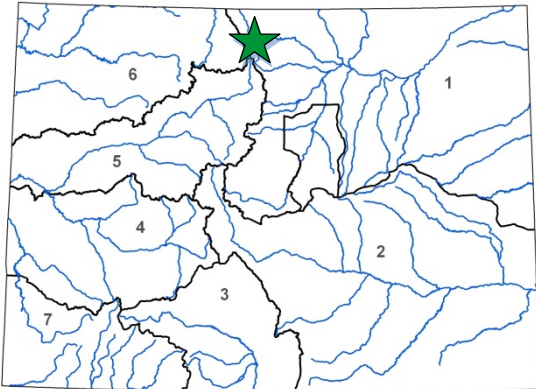
The Thunderbird Water and Sanitation District (District) provides potable water service for the Indian Creek Ranch subdivision, consisting of 2,420 acres and 175 customers. The District is applying for a loan to purchase 895.9 AF of Denver Basin decreed ground water rights that underlie the property 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





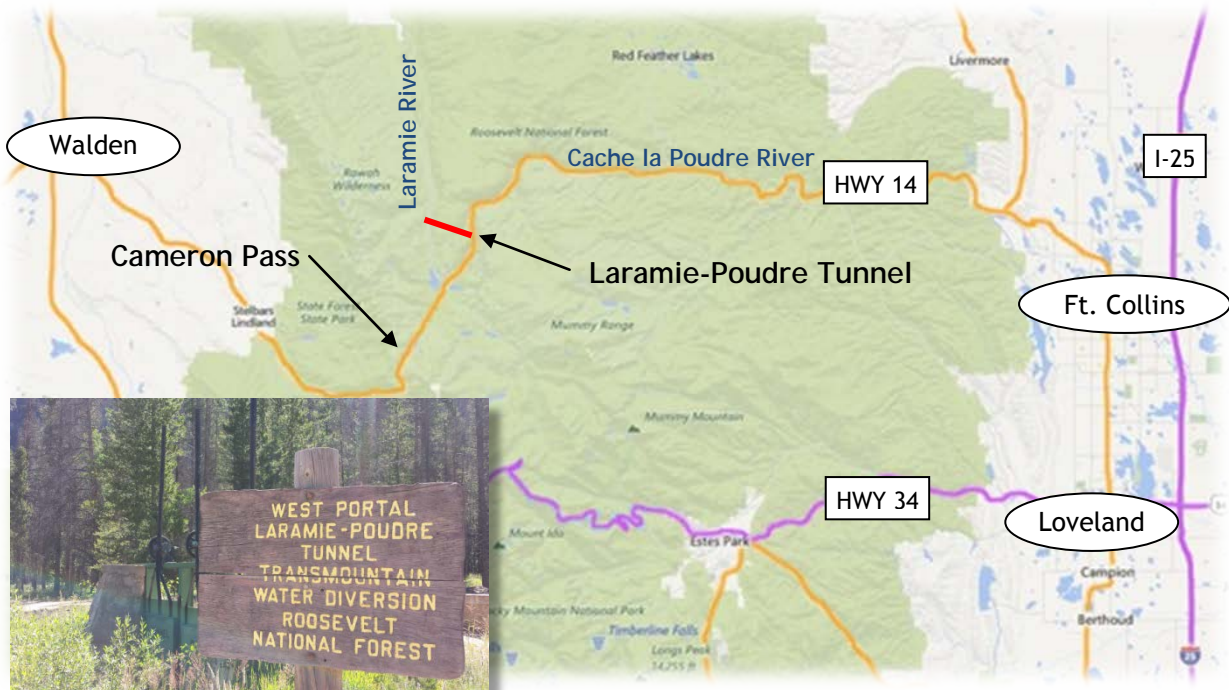
L O A N D E T A I L S	
Project Cost:	\$1,225,000
CWCB Loan (with Service Fee):	\$1,111,000
Loan Term and Interest Rate:	30 Years @ 2.55%
Funding Source:	Construction Fund
B O R R O W E R T Y P E	
Agriculture	Municipal Commercial
24%	20% Low - 24% Mid - 32% High 0%
P R O J E C T D E T A I L S	
Project Type:	Ditch Rehabilitation
Average Annual Diversion:	6,875 AF



L O C A T I O N	
County:	Larimer
Water Source:	Laramie River
Drainage Basin:	North Platte/South Platte
Division:	1 District: 48/3

The Tunnel Water Company operates the Laramie-Poudre Tunnel for the benefit of its two shareholders: Water Supply and Storage Company (WSSC) and Windsor Reservoir and Canal Company (WRCC). The tunnel diverts from the Laramie River, about 60 miles west of Fort Collins, and delivers water through a 2.15-mile tunnel to the Poudre River. WSSC delivers irrigation water to its shareholders, primarily for agricultural irrigation on approximately 40,000 acres lying below the Larimer County Canal. WRCC delivers water to its municipal shareholders via the Soldier Canyon and Bellvue Water Treatment Plants.

The Company purchased the Laramie Poudre Tunnel and its adjoining Laramie River System in 1938. The west portal (inlet) has deteriorated since it was originally constructed in 1910. The interior timber cribbing and concrete lining are at or near the end of their useful lives and the steepness of the slope of this section makes it very difficult to access the tunnel for maintenance. Additionally the east portal's (outlet) concrete energy attenuation structure, which has been resurfaced many times before, is heavily spalled and near failure. The Company is seeking this CWCB loan to cover 90% of construction cost associated with the west and east portal repairs. West portal repairs will occur after the 2015 irrigation season with the east portal repairs being completed after the 2016 irrigation season.



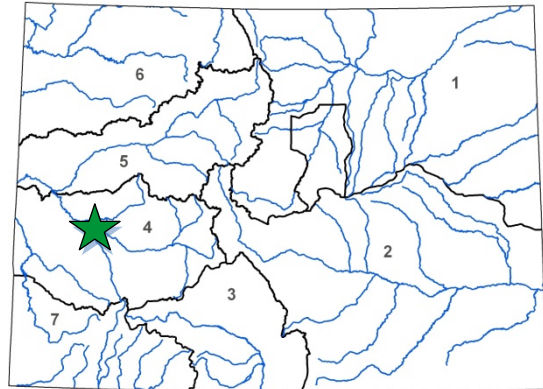


Drop 5 Hydroelectric Project

Uncompahgre Valley Water Users Association

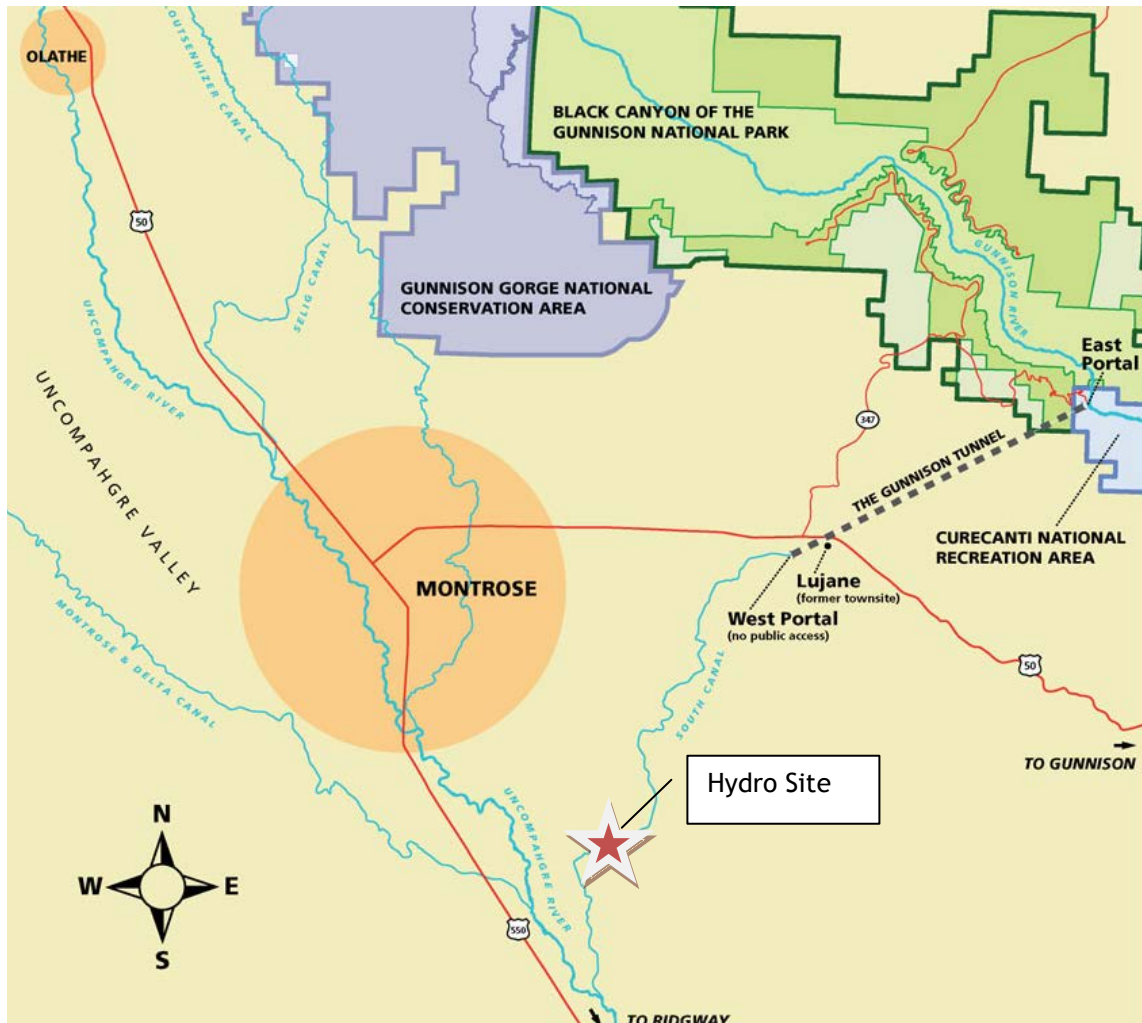
May 2015 Board Meeting

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



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

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

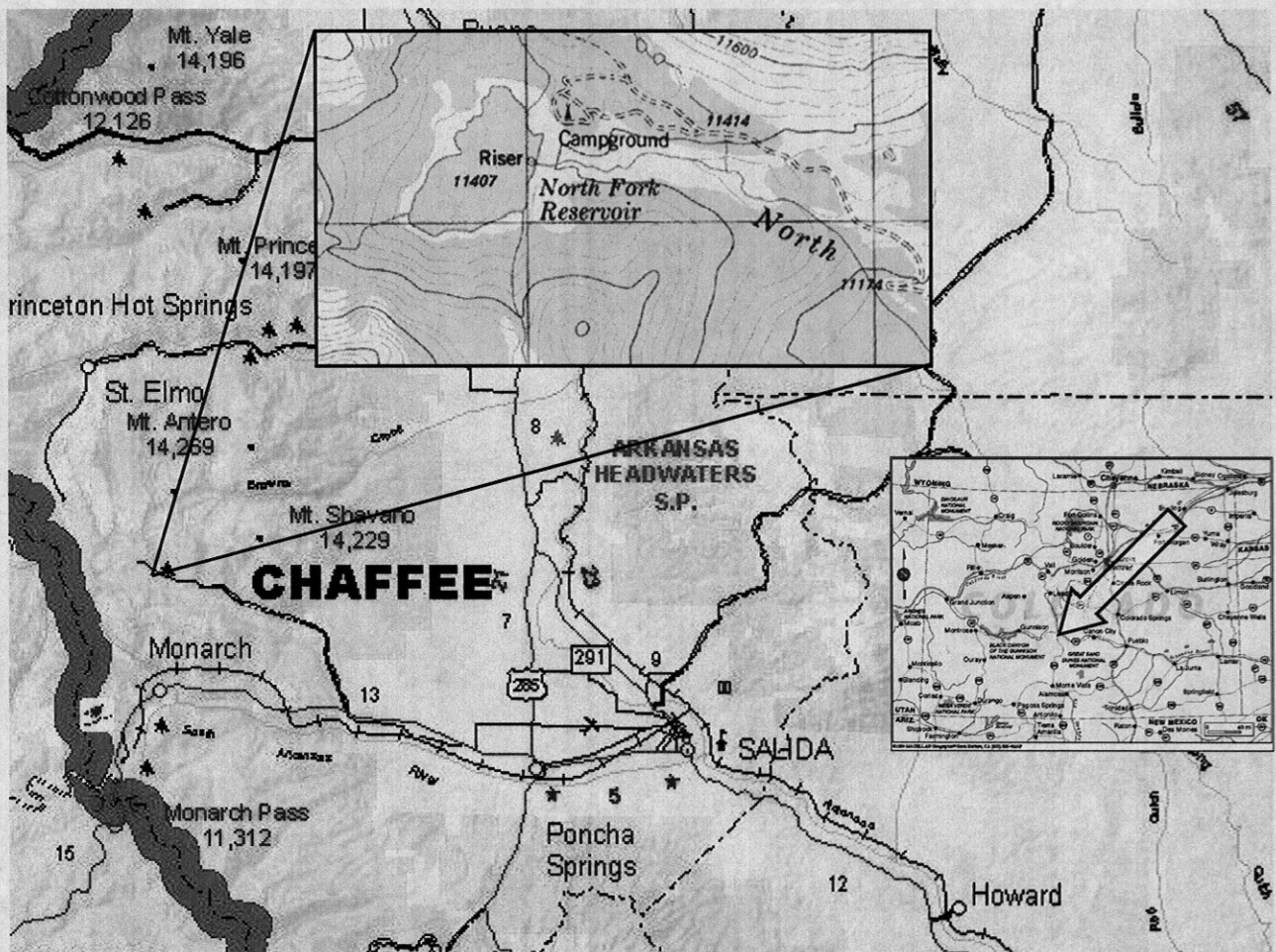


**CWCB Construction Loan Program
PROJECT DATA SHEET**

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

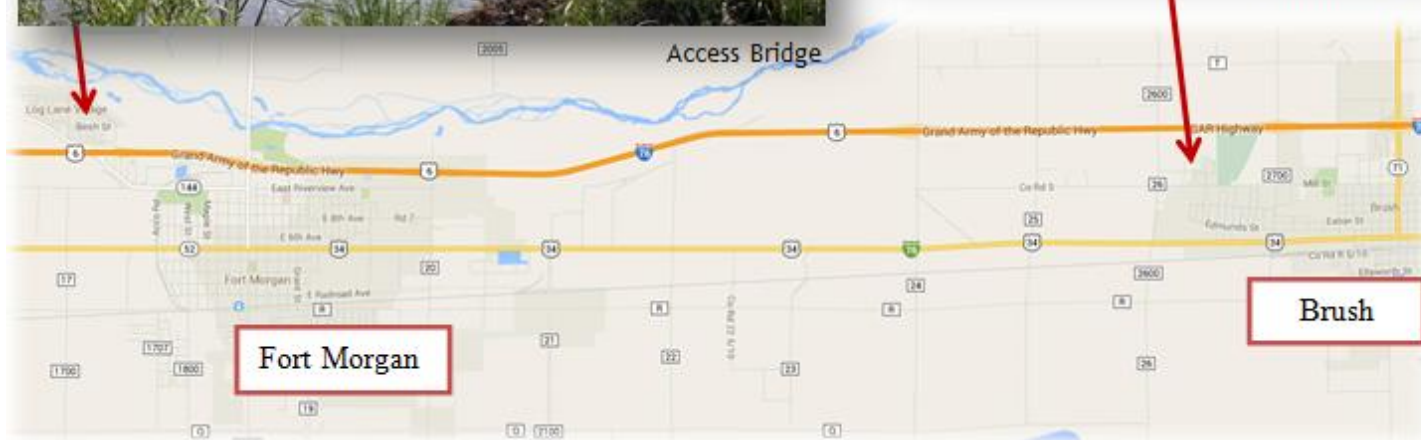
CWCB Water Project Loan Program Project Data Sheet

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.

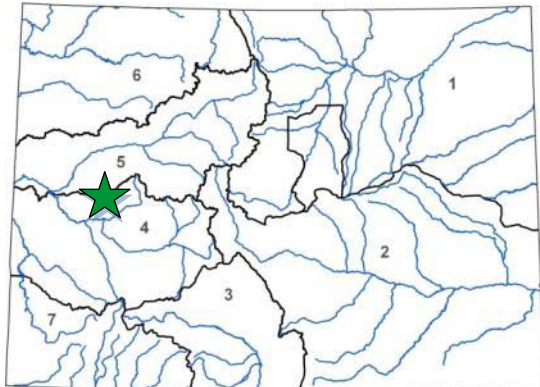


Augmentation Pond





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.

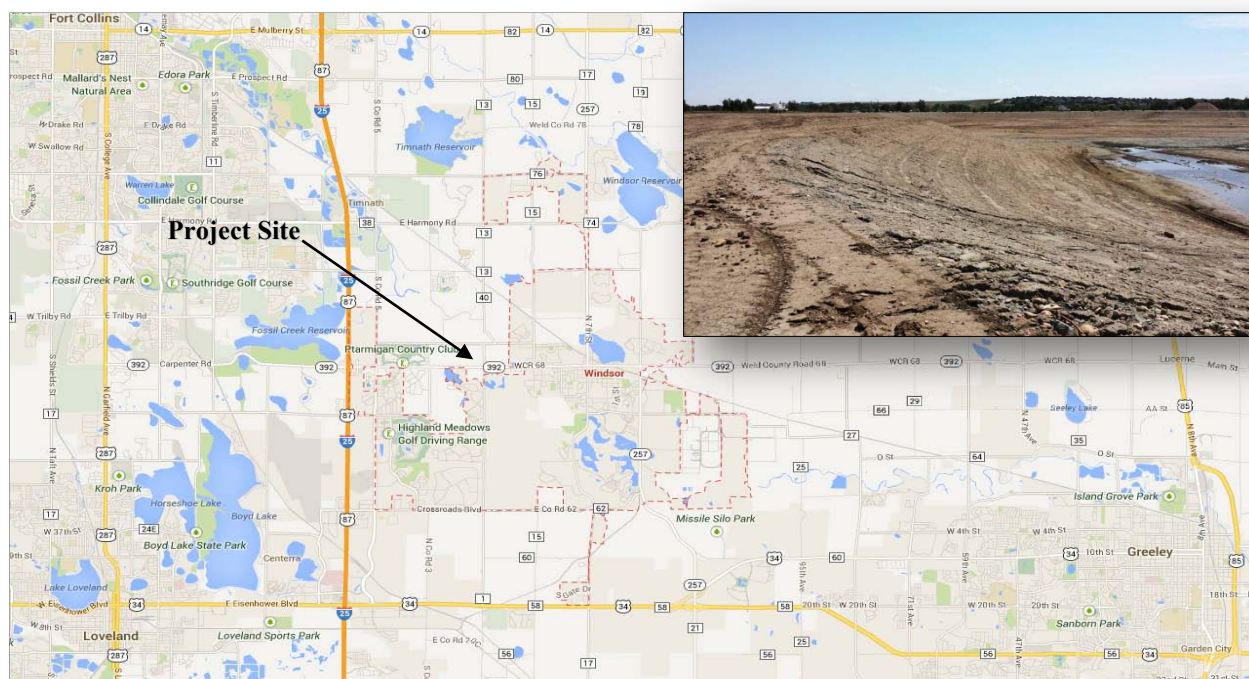


CWCB Water Project Loan Program Project Data Sheet

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

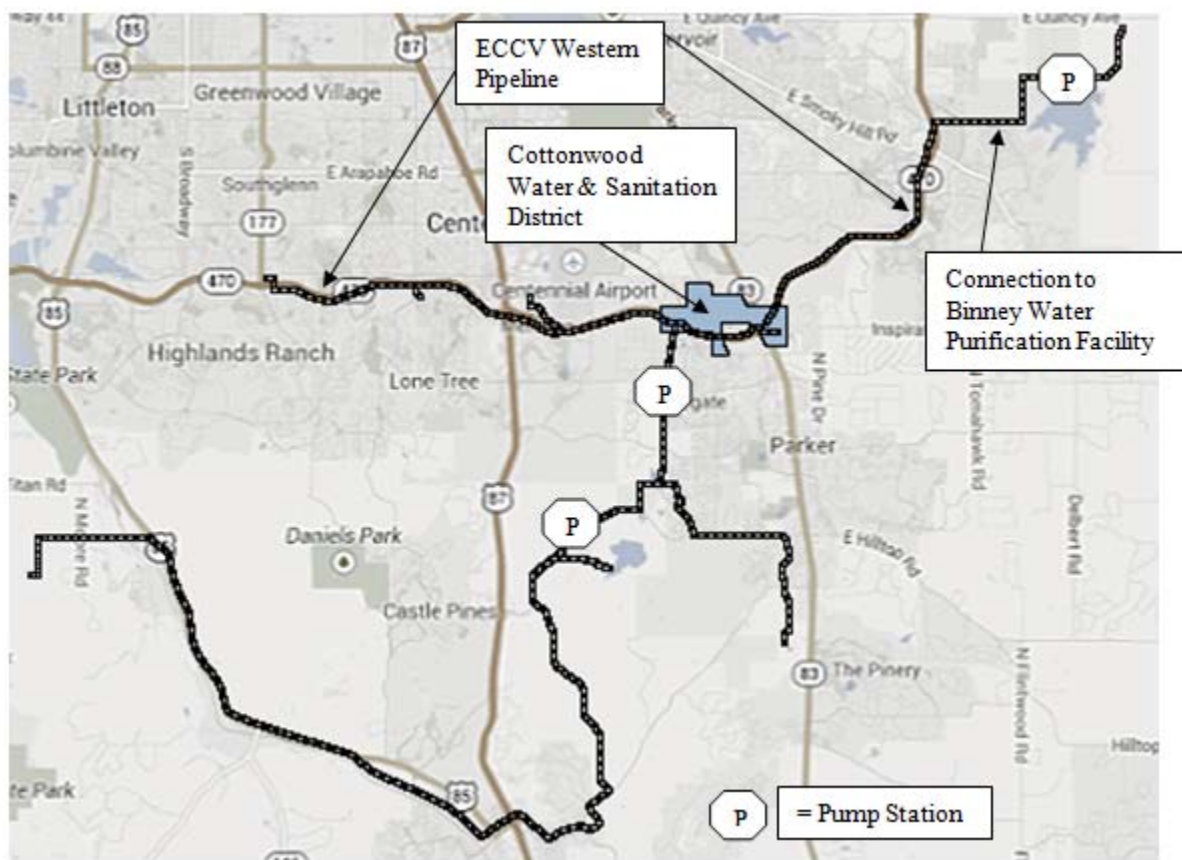
Average Annual Delivery: 789 AF

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

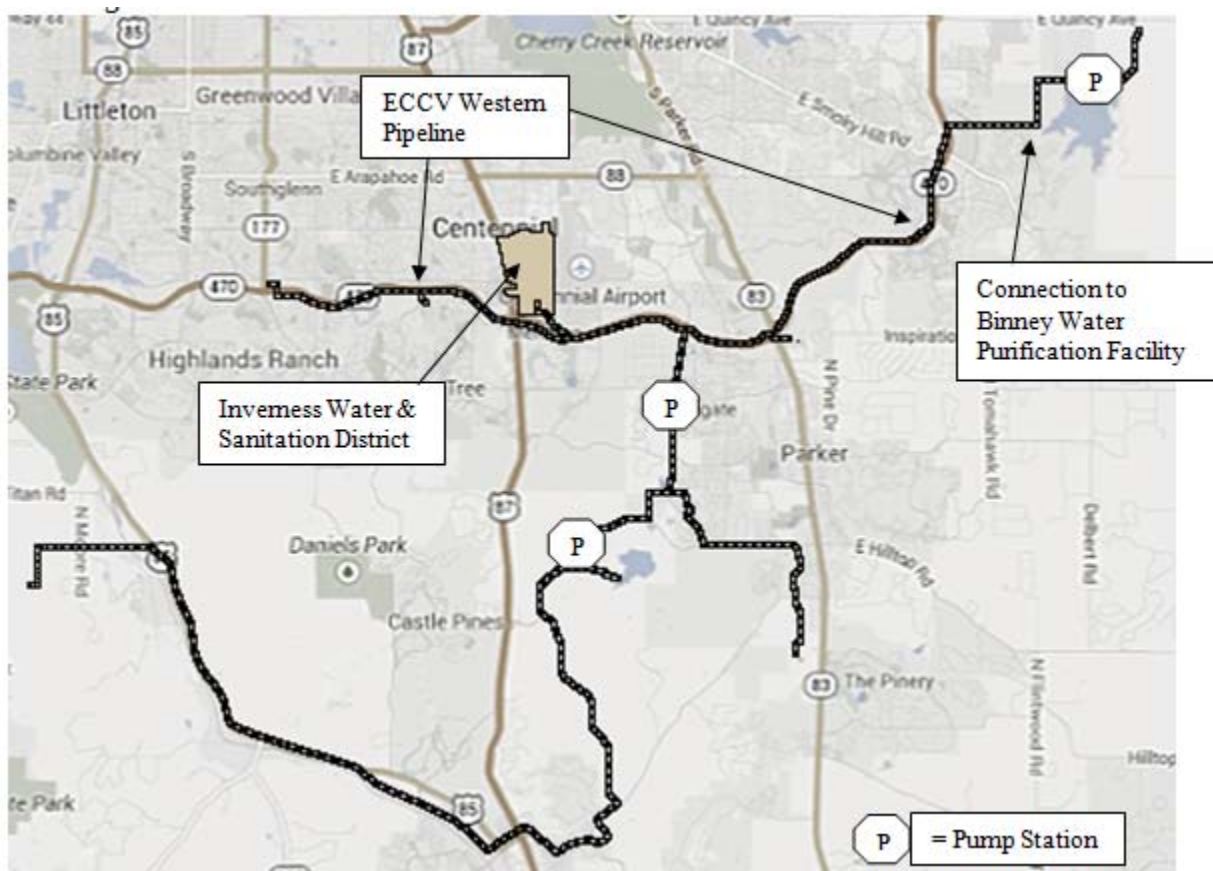
Average Annual Delivery: 1,100 AF

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

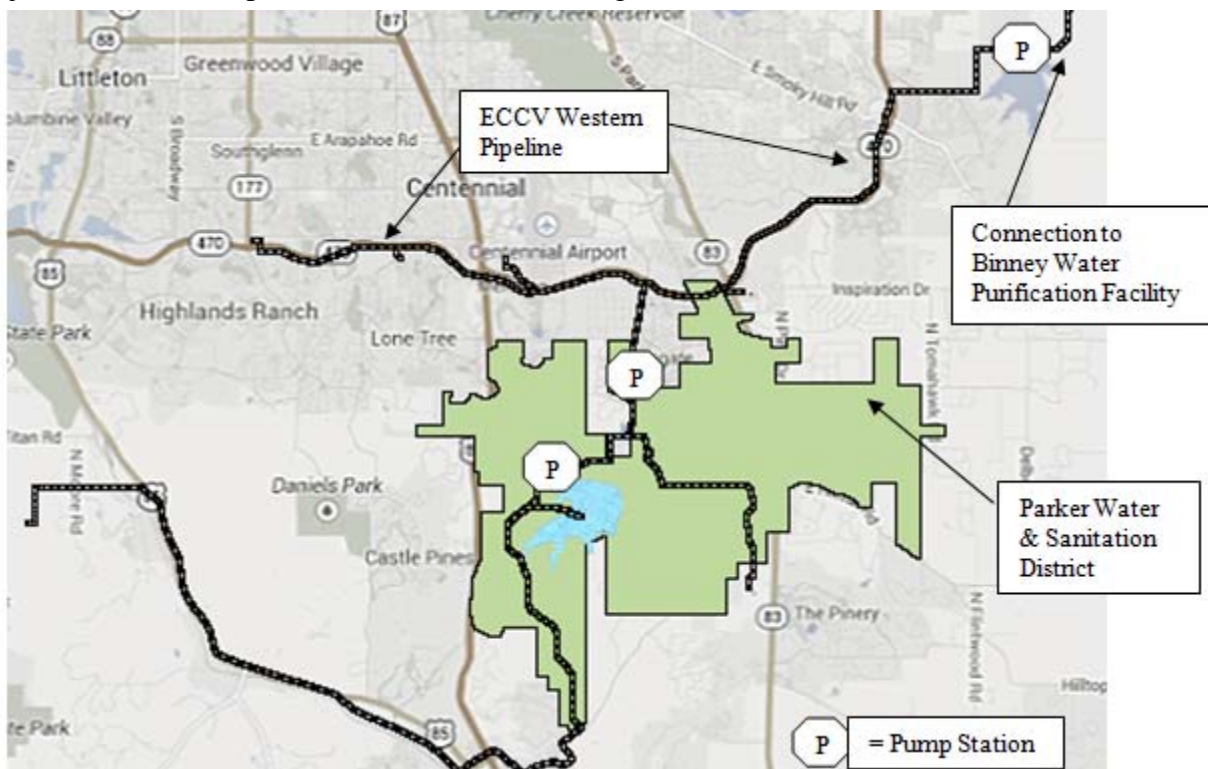
Type of Borrower: High-income Municipal **Average Annual Delivery:** 5,000 AF

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**

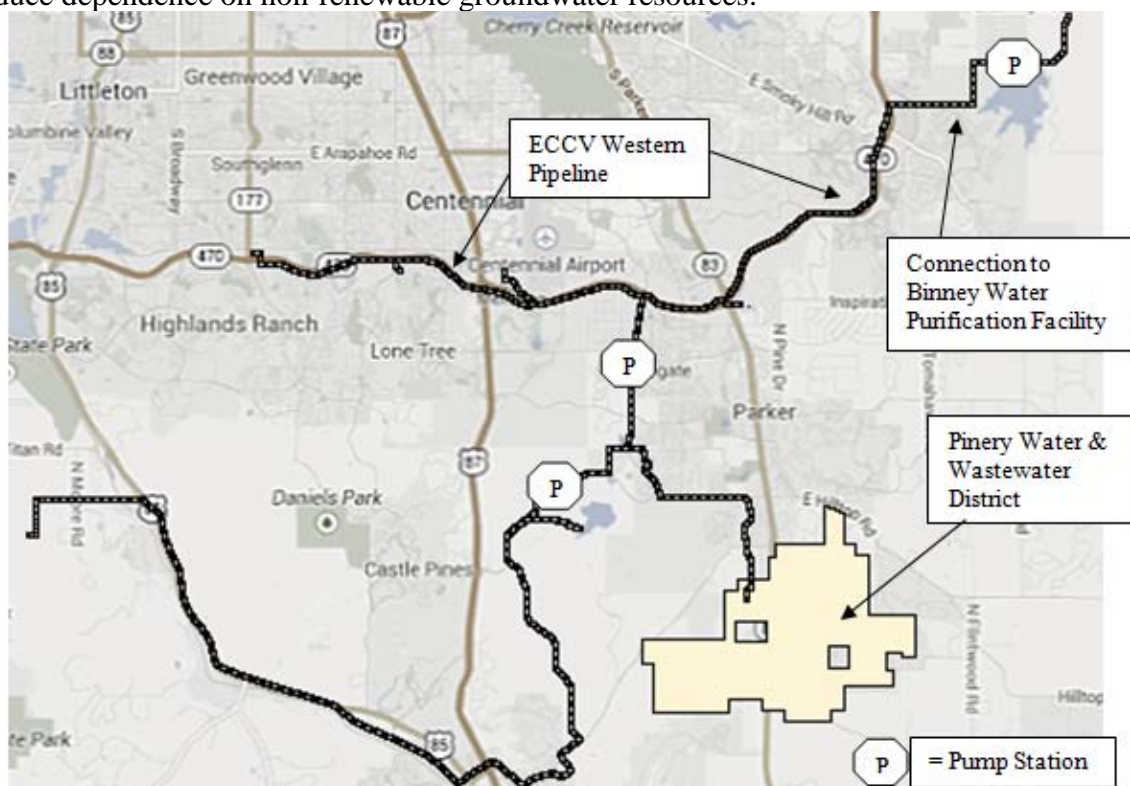
C150411

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

Water Project Construction Loan Program - Project Data

Borrower: SECWCD - Enterprise

County: Pueblo, Crowley, Otero, Bent, Prowers

Project Name: Arkansas Valley Conduit

Project Type: Water Supply Pipeline

Drainage Basin: Arkansas

Water Source: Arkansas – Fry-Ark Project

Total Project Cost: \$300,000,000

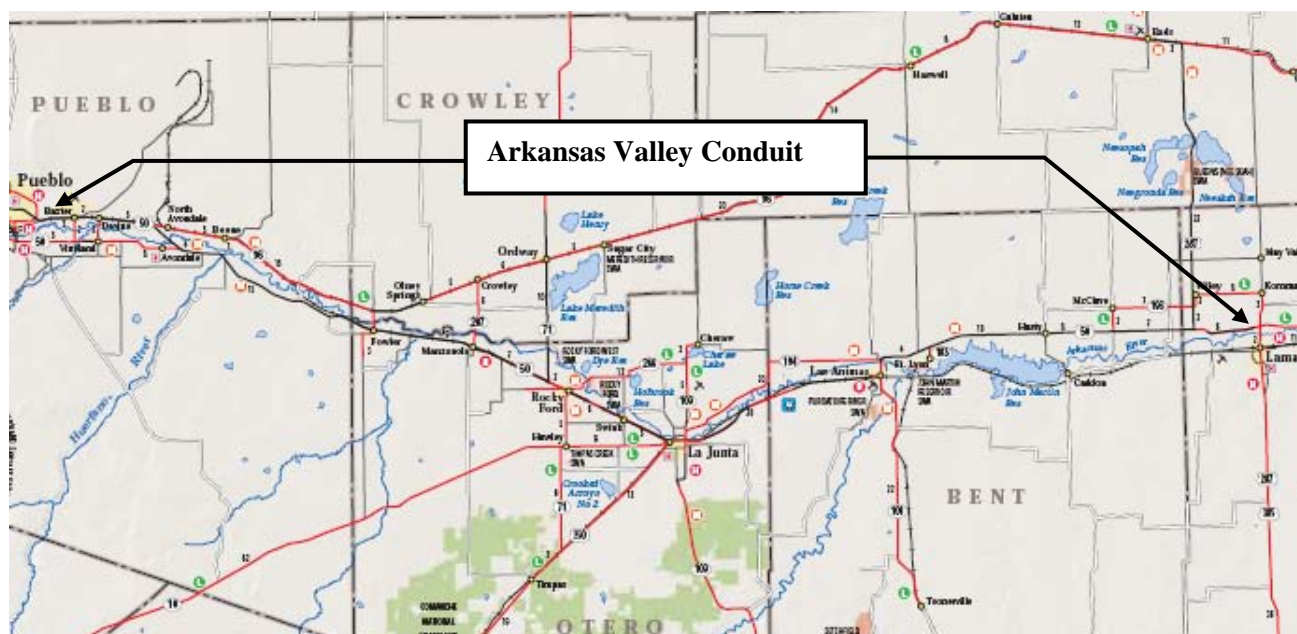
Funding Sources: CWCB, Federal

Type of Borrower: Municipal/Low

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

CWCB Construction Fund Loan: \$60,600,000 **Interest Rate:** 3.25% **Term:** 30 years
(incl. 1% loan fee)

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



Location Map



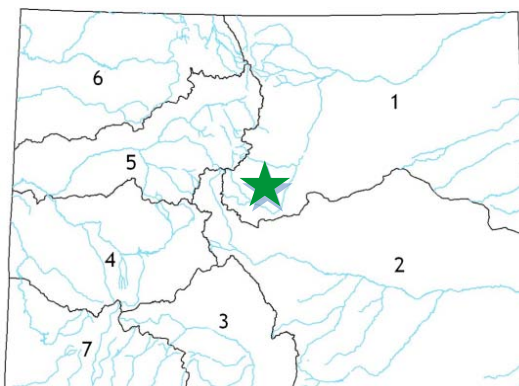
Water Project Loan Program
Project Data Sheet

Rehabilitation and Replacement of Water Meters

Bow Mar Water & Sanitation District

March 2015 Board Meeting

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



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

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

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



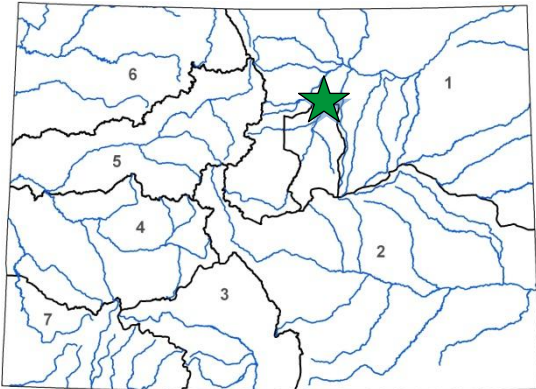


River Breach Repair Project

Brighton Ditch Company

September 2015 Board Meeting

L O A N D E T A I L S	
Project Cost:	\$530,000
CWCB Loan (with Service Fee):	\$481,770
Loan Term and Interest Rate:	30 Years @ 2.55%
Funding Source:	Construction Fund
B O R R O W E R T Y P E	
Agriculture	Municipal
36%	0% Low - 53% Mid - 5% High
	Commercial
	5%
P R O J E C T D E T A I L S	
Project Type:	Ditch Rehabilitation
Average Annual Diversion:	7,125 AF



L O C A T I O N	
County:	Adams
Water Source:	South Platte River
Drainage Basin:	South Platte
Division:	1
District:	2

The Company is located in Adams County and operates the Brighton Ditch for the benefit of its shareholders. The ditch diverts from the South Platte River, west of the City of Brighton, and delivers water to approximately 1,840 acres in Adams and Weld County. Irrigated acreage within the service area is primarily used for crop production for sale in local markets with some hay production for cattle feed or sale. Water at the end of the ditch is measured by an augmentation station used by four shareholders: Central Colorado Water Conservancy District, South Adams County Water & Sanitation District, the City of Aurora, and the City of Westminster.

In May and June of 2015, the South Platte River experienced extended high flows. This resulted in a breach of the river between the Company's diversion structure and the upstream Ken Mitchell Ponds headgate owned by the City of Brighton. Approximately 120 feet of the east bank was washed out, directing the river away from the Company's diversion. The City of Brighton owns the property where the breach is located and the City of Aurora owns the Prairie Water Pipeline which was exposed by this breach. Neither the City of Brighton nor Aurora planned any immediate repairs to the breach. In order to restore flows to its headgate, the Company constructed a cofferdam on the east bank of the river to close this breach in July 2015.



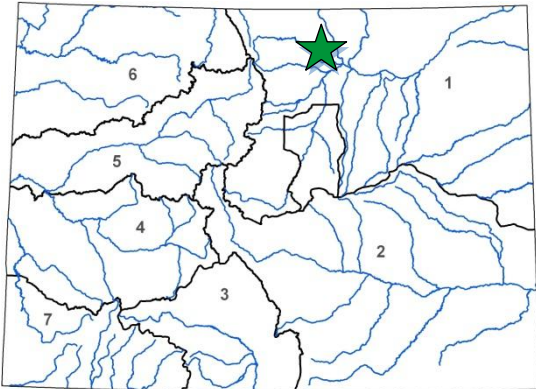


Box Elder Ditch Water Rights Purchase

Lower Poudre Augmentation Company

September 2015 Board Meeting

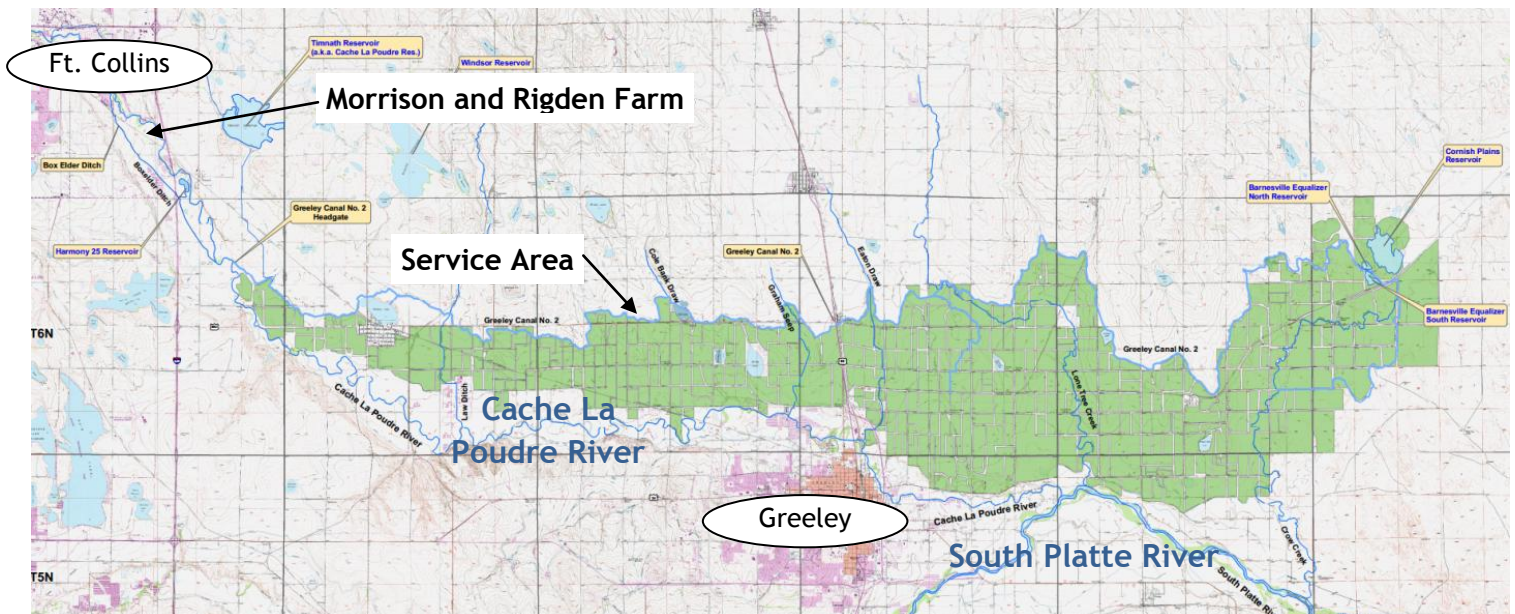
L O A N D E T A I L S	
Project Cost:	\$500,000
CWCB Loan (with Service Fee):	\$454,500
Loan Term and Interest Rate:	30 Years @ 1.85%
Funding Source:	Severance Tax Perpetual Base Fund
B O R R O W E R T Y P E	
Agriculture	Municipal Commercial
94%	1% Low - 4% Mid - <1% High 1%
P R O J E C T D E T A I L S	
Project Type:	Water Rights Purchase
Average Annual Delivery:	4,000 AF



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

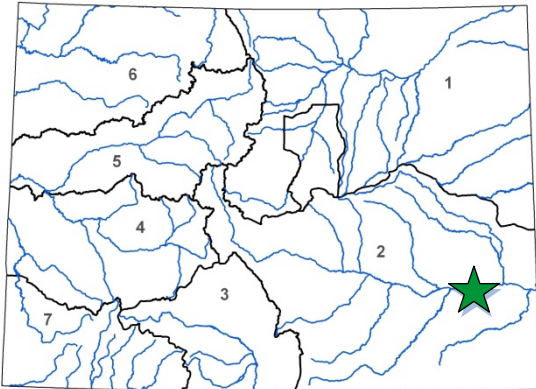
The Lower Poudre Augmentation Company provides augmentation water for 62 irrigation wells in Larimer and Weld Counties owned by 28 individual owners. The wells provide irrigation water to 4,000 acres. The Company currently has in place 1 AF of augmentation water per irrigated acre quota due to a limited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

The Company seeks to purchase 0.5 Box Elder Ditch shares historically used on the Morrison Farm, and 1.5 Box Elder Ditch shares historically used on the Rigden Farm (Subject Shares). The land historically irrigated by the Subject Shares is now the site of an active gravel pit and will become a lined reservoir at the conclusion of mining. Therefore, dry-up associated with the Subject Shares has already occurred. It is expected that while the Subject Shares are undergoing a change of use case in water court, that they will be available for use in the Company's augmentation plan as early as 2016 through a Substitute Water Supply Plan.



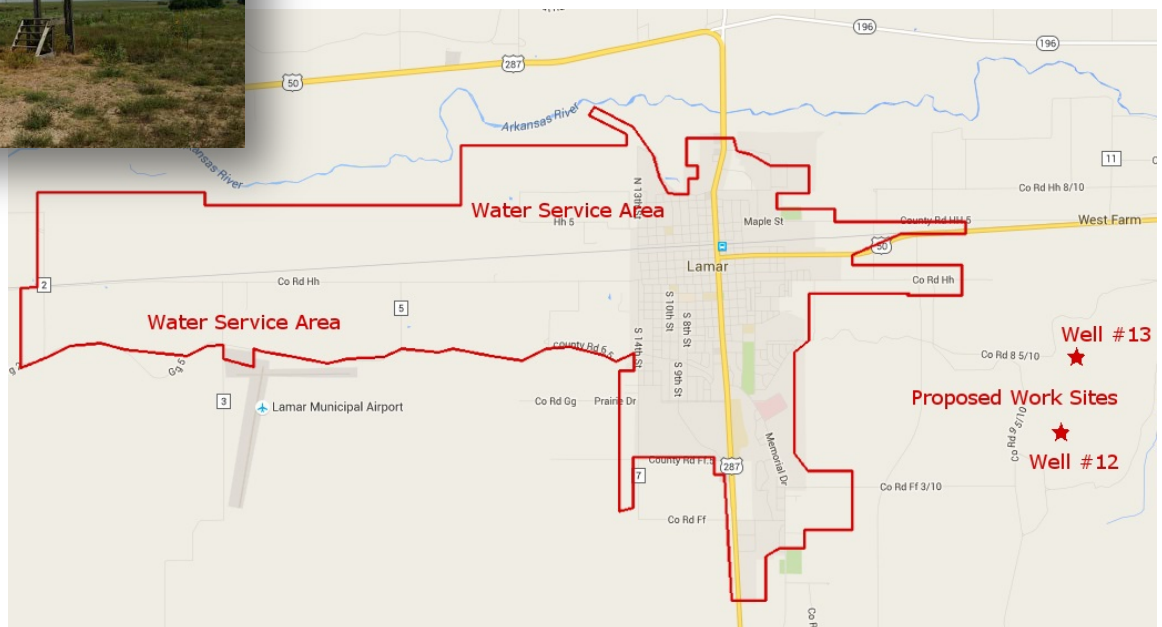


L O A N D E T A I L S	
Project Cost:	\$400,000
CWCB Loan (with Service Fee):	\$101,000
Loan Term and Interest Rate:	10 Years @ 1.95%
Funding Source:	WSRA & Sev. Tax Perpetual Base Fund
B O R R O W E R T Y P E	
Agriculture	Municipal Commercial
0%	100% Low - 0% Mid - 0% High 0%
P R O J E C T D E T A I L S	
Project Type:	Municipal & Industrial
Average Annual Delivery:	2,005 AF



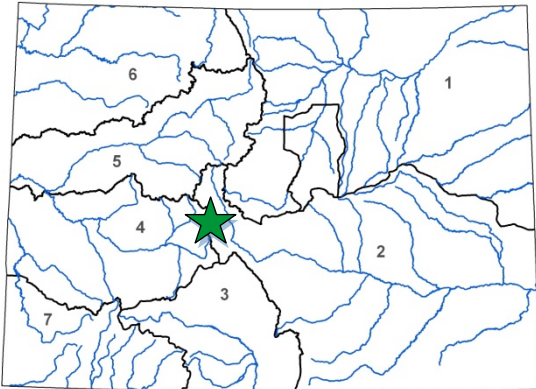
L O C A T I O N	
County:	Prowers
Water Source:	Arkansas River
Drainage Basin:	Arkansas River
Division:	2 District: 67

The City of Lamar, through its Water and Wastewater Department, has been providing the city with water and sewer services for over 135 years. Although the City has undertaken numerous upgrades, rehabilitation, and expansion projects over the years, most of the existing infrastructure was funded and built during New Deal-era programs. The City's Wells 12 and 13 were developed in the 1950s and used for municipal potable water supply until 2012, when Microscopic Particulate Analysis water quality testing was conducted, resulting in a reclassification of both wells as Ground Water Under Direct Influence of Surface Water (GWUDI) by the Colorado Department of Public Health and Environment (CDPHE). The wells were taken out of service at that time. A Feasibility Study conducted in 2014 concluded that it is feasible to redevelop both wells for non-potable irrigation use. Once this project is completed, water can be used for any non-potable municipal application, including irrigation of a city-owned cemetery and a golf course, both of which are currently watered with potable water.





L O A N D E T A I L S	
Project Cost:	\$533,430
CWCB Loan (with Service Fee):	\$181,800
Loan Term and Interest Rate:	10 Years @ 1.95%
Funding Source:	WSRA & Sev. Tax Perpetual Base Fund
B O R R O W E R T Y P E	
Agriculture	Municipal
0%	100% Low - 0% Mid - 0% High
Commercial	0%
P R O J E C T D E T A I L S	
Project Type:	Municipal & Industrial
Average Annual Delivery:	1,500 AF



L O C A T I O N	
County:	Lake
Water Source:	Evans Gulch
Drainage Basin:	Arkansas River
Division:	2
District:	11

The Evans Reservoir Bypass Flume, constructed around 1904, is a wooden trough measuring 6' x 5' x 450', including inlet and outlet structures. The flume carries Evans Creek contaminated water around Evans Reservoir and through the dam.

Annual maintenance of the wooden structure has required increasingly heavy efforts and expense. Heavy runoff events in the last several years have caused the condition of the flume to become an extremely urgent situation. 8,000 acres of deep snow must be channeled through the flume during spring runoff each year. In the spring of 2014, sudden runoff combined with spring rains resulting in an unusually high snow melt. The flume was nearly overwhelmed and the portion that passes over the abutment of the dam failed. Fairly serious erosion of the dam resulted, but emergency repairs prevented further damage and contamination of the water supply. Runoff in 2015 was unusually high as well, due to the amount of snowfall in April and unusually warm temperatures in June, necessitating emergency action again. The State Engineer's Office has strongly recommended that the flume be replaced. This project proposes a buried pipeline to replace the flume. Concrete inlet and outlet structures will be constructed, and a trash rack will be installed at the inlet.

The two primary objectives of the project are to protect water quality for the City of Leadville, and to prevent failure of the Evans Reservoir dam.

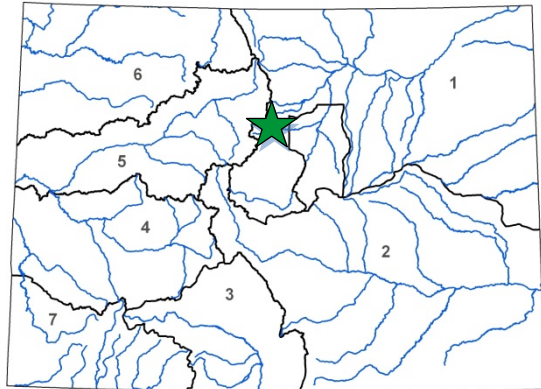




Upper Beaver Brook Dam Spillway

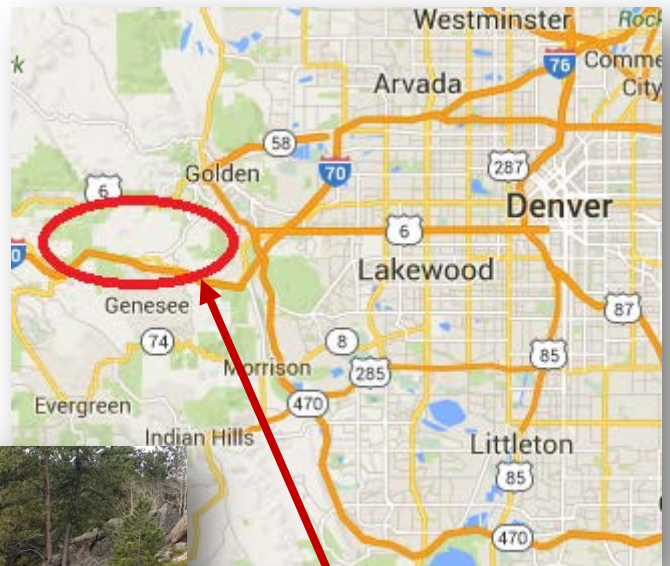
Lookout Mountain Water District
November 2015 Board Meeting

L O A N D E T A I L S	
Project Cost:	\$3,410,000
CWCB Loan:	\$3,099,690
Loan Term and Interest Rate:	30 years @ 3.25%
Funding Source:	Construction Fund
B O R R O W E R T Y P E	
Agriculture	Municipal
0%	High-income 100%
Commercial	0%
P R O J E C T D E T A I L S	
Project Type:	Reservoir Enlargement
Average Annual Diversion:	107 acre-feet
Added Reservoir Storage:	134 acre-feet



L O C A T I O N	
County:	Clear Creek
Water Source:	South Fork Beaver Brook
Drainage Basin:	South Platte River
Division:	1 District: 7

The Lookout Mountain Water District, a drinking water provider with 565 taps in Jefferson County, seeks to increase the storage capacity of the Upper Beaver Brook Dam. By designing and constructing a new labyrinth spillway structure in the location of the existing spillway, a raise in the normal reservoir pool elevation will provide approximately 140 acre-feet of additional storage.



Service Area





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: January 25-26, 2016

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 \$23 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. One (1) project, Haldi Ditch Company, was deauthorized at the November Board Meeting.

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

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

Ish Reservoir Company Emergency Inlet Ditch and Diversion Structure Repair

C150376



Project Description

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

Project Data

Sponsor: Ish Reservoir Company

County: Boulder &
 Larimer

Water Source: Little Thompson River

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

Construction Completed: April 2014

Expended Amount: \$207,050

Anticipates FEMA Funding: NO

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

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

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

Sylvan Dale Ranch, LLLP Emergency Irrigation Pond Excavation

C150392



Project Description

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

Project Data

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

Water Source: Big Thompson River
Construction Completed: May 2014

Contractor: Custom Design Fabricators - Livermore, Colorado

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

Emergency Loan - Summary

Loan Program
Attachment 4

Current Projects in Design or under Construction

	Borrower/Project	County	Loan	Design	Construction		PM	Status Description/Update
			Amount	Status	Start/End	Status		
1	Beeman Irrigation > Emergency Beeman Diversion Dam Repair C150385	Weld	\$ 2,020,000	100%	1/2014-5/2014	100%	JMH	Construction complete, loan funds remaining. No additional disbursements are anticipated.
2	Big Elk Meadows Association > Emergency Raw Water Storage Repair C150391	Boulder/ Larimer	\$ 1,515,000	75%	7/2014-4/2017	20%	JMH	Project includes the reconstruction of 5 dams in series. Mirror Dam complete as of April 2015. Rainbow Dam's outlet constructed in fall 2015. Site shut down for winter. Rainbow's embankment and last 3 dams still pending construction.
3	Big Thompson and Platte River > Big Thompson & Platte River Div. Structure Repair C150373	Larimer	\$ 808,000	100%	5/2014-6/2014	95%	JMH	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	Boulder & Larimer	\$ 202,000	100%	1/2014-4/2014	100% Ltr	JMH	Construction complete, used all loan funds. No grant reimbursements are expected.
5	Butte Irrigation & Milling Company > Emergency Berm Repair C150382	Boulder	\$ 277,750	100%	4/2014-5/2014	100%	JMH	Construction complete, loan funds remaining. No additional disbursements are anticipated.
6	Church Ditch Water Authority > Leyden Creek Crossing Repair C150377	Jefferson	\$ 606,000	100%	1/2014-5/2014	95%	JMH	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	Larimer	\$ 1,858,400	100%	1/2014-9/2015	100%	JMH	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	Larimer	\$ 519,140	100%	2/2014-5/2014	99%	JMH	Loan Increase request approved during July 2014 Board Meeting. Project is complete but there remains some miscellaneous items to be closed out.
9	Culver Ditch Company > Culver Mahoney Ditch Repair C150390	Boulder & Larimer	\$ 151,500	100%	2/2014-4/2014	100% Ltr	JMH	Construction complete, used all loan funds. FEMA grant reimbursement is still pending.

Emergency Loan - Summary

Loan Program
Attachment 4

10	Green Ditch Company > Emergency Green Ditch Channel Repair C150383	Boulder	\$ 530,250	100%	5/2014-6/2014	100%	JMH	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.
11	Highland Ditch Company > Highland Ditch System Repairs C150369	Boulder	\$ 1,999,800	100%	10/2013-4/2014	100%	JMH	Construction complete, loan funds remaining. No additional disbursements are anticipated.
12	Ish Reservoir Company > Inlet Ditch & Diversion Structure Repair C150376	Boulder	\$ 207,050	100%	1/2014-4/2014	100% Ltr	JMH	Construction complete, used all loan funds.
13	Left Hand Ditch Company > Left Hand Ditch System Repairs C150370	Boulder	\$ 3,276,056	100%	10/2013-2/2015	99%	JMH	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.
14	North Poudre Irrigation Company > Fossil Creek Res. Diversion Structure Repair C150368	Larimer	\$ 876,680	100%	11/2015 - 4/2016	25%	JMH	Construction was delayed due to continuously high river conditions during winter of 2014/2015. Bids were received August 2015 and construction began November 2015.
15	Oligarchy Irrigation Company > Oligarchy Irr. Ditch River Diversion Struct. Repair C150372	Boulder	\$ 1,262,500	100%	1/2014-5/2014	100%	JMH	Construction complete, loan funds remaining. No additional disbursements are anticipated. Company has applied \$584k of FEMA money to loan balance.
16	Rough & Ready Irrigation Ditch Company > Rough & Ready River Diversion Struct.Repair C150371	Boulder	\$ 1,843,250	100%	1/2014-5/2014	100%	JMH	Construction complete, loan funds remaining. No additional disbursements are anticipated. Company has applied \$963k of FEMA money to loan balance.
17	St. Vrain and Left Hand Water Conservancy District > Emergency Rock'n WP Ranch Lake No. 4 Repair	Boulder	\$ 4,545,000	50%	Spring 2016 - Fall 2016	0%	JMH	Approved July 2014 Board Meeting. District delaying contracting until agreements with Boulder County are in place.
18	Supply Irrigating Ditch Company >Emergency Supply Irrigating Ditch Repair Project CT15-142	Boulder	\$324,210	100%	3/2015-5/2015	100%	JMH	Construction complete, loan funds remaining. No additional disbursements are anticipated. FEMA reimbursements pending.
19	Sylvan Dale Ranch,LLP > Emergency Irrigation Pond Excavation C150392	Larimer	\$ 105,171	100%	6/2014-4/2014	100% Ltr	JMH	Construction complete, used all loan funds. Company has applied \$84k of grant funds to loan balance.

Projects Under Contract SubTotal = \$ 22,927,757

Emergency Loan - Summary

Loan Program
Attachment 4

Projects Not Under Contract

a	Haldi Ditch Company > Emergency Haldi Ditch Reapir C150389	Boulder	\$ 50,500	100%	1/2014-3/2014	100%	JMH	Construction completed but Ditch Company's contribution was covered with non-CWCB grants. Loan was amended to \$0.
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Not Under Contract SubTotal = \$ 50,500

Grand Total = \$ 22,978,257

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

C150385

Borrower: Beeman Irrigating Ditch and
Milling Company

Project Name: Emergency Beeman
Diversion Dam Repair

Drainage Basin/ District: South Platte / 2

County: Weld

Project Type: Diversion Rehabilitation

Water Source: South Platte River

Total Project Cost: \$2,000,000

Funding Source: Severance Tax PBF

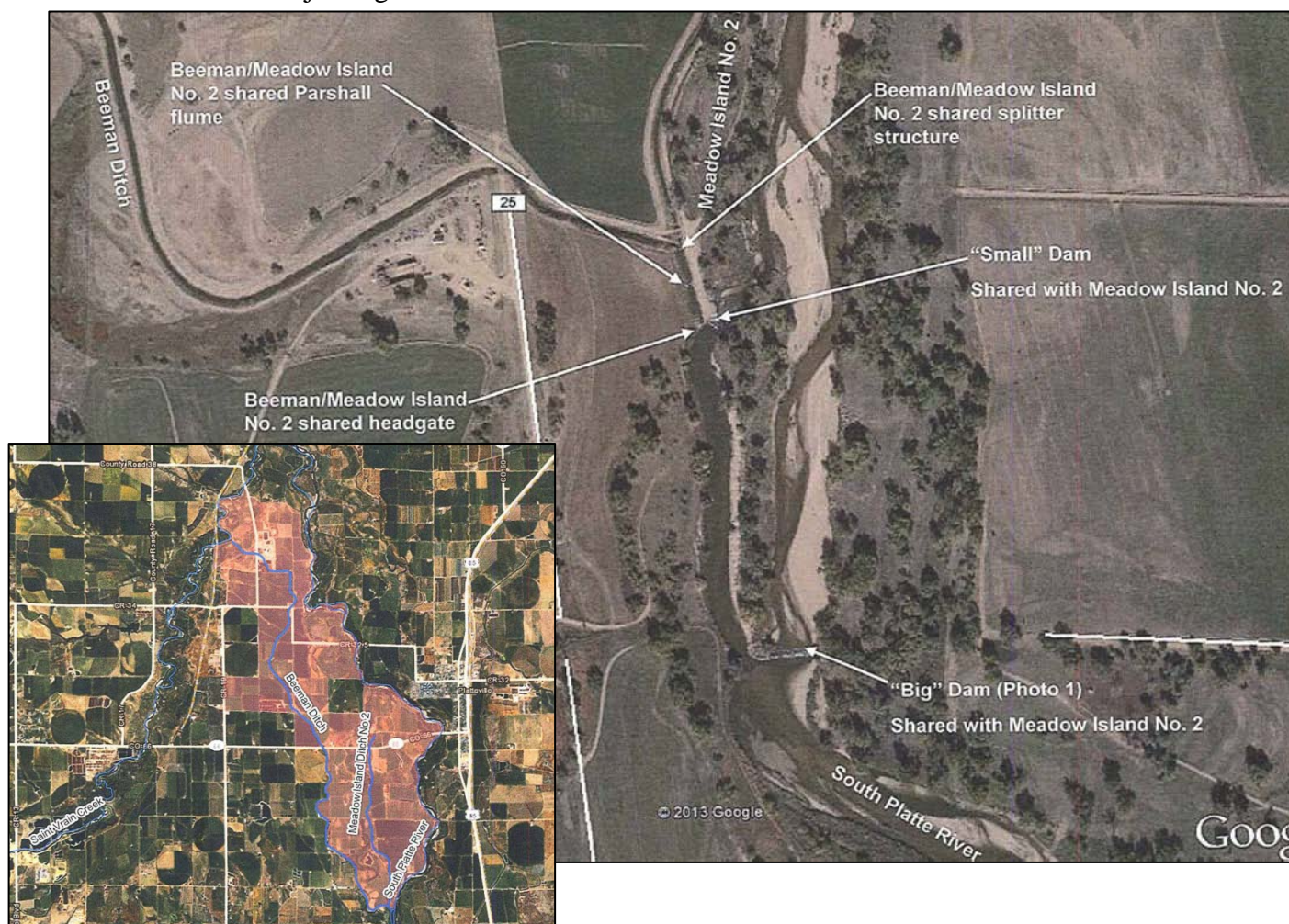
Type of Borrower: Agricultural

Average Annual Diversion: 10,586 AF

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

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

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



CWCB Water Project Loan Program Project Data Sheet

C150391

Borrower: Big Elk Meadows Association

County: Boulder/Larimer

Project Name: Emergency Raw Water Storage
Repair Project

Project Type: Reservoir Rehabilitation

Drainage Basin/ District: South Platte / 4

Water Source: West Fork of the Little
Thompson River

Total Project Cost: \$1,900,000

Funding Source: Severance Tax PBF

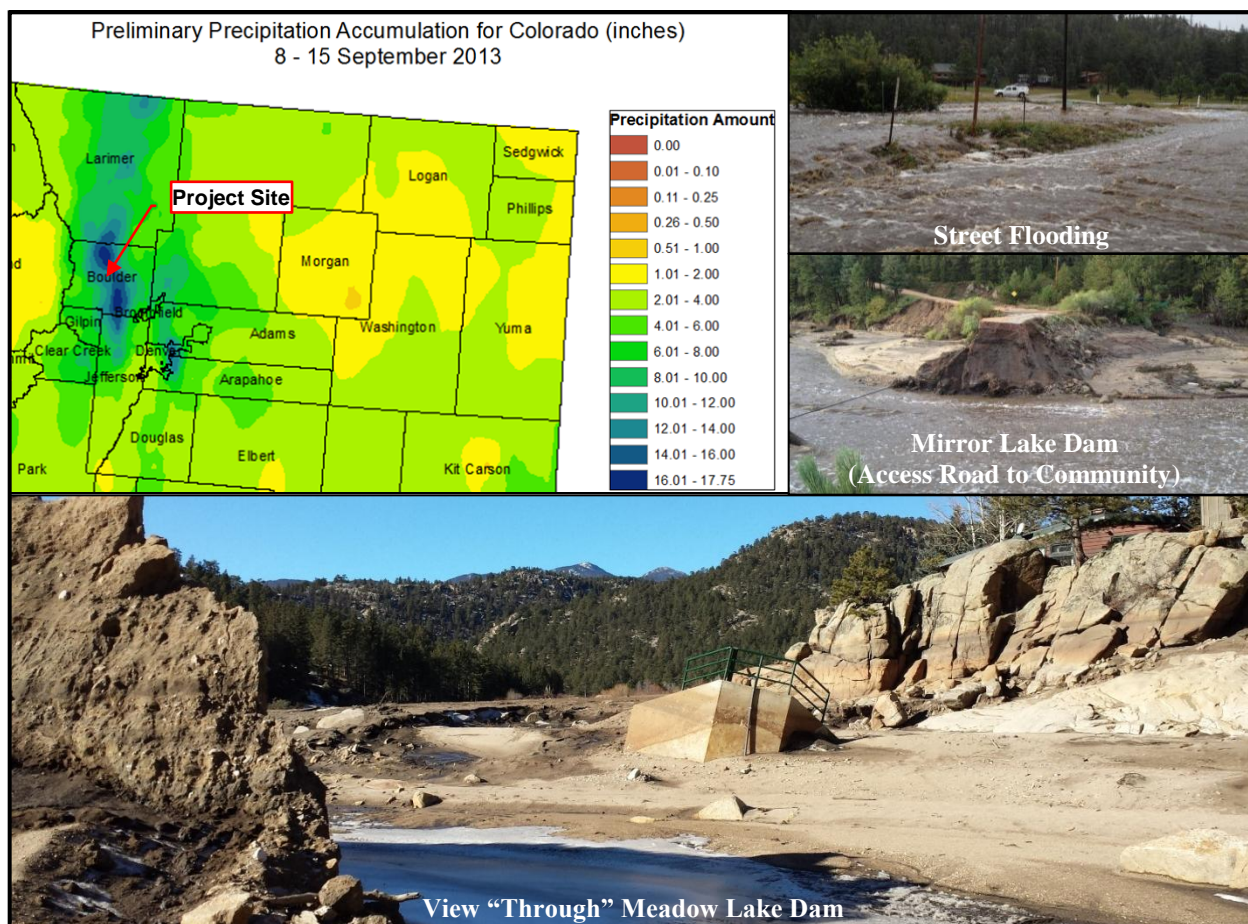
Type of Borrower: Middle-Income Municipal

Water Storage: 108 AF

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

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

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



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

C150373

Borrower: Big Thompson & Platte River
Ditch Company

County: Larimer

Project Name: Big Thompson & Platte
River Diversion Structure Repair

Project Type: Diversion Rehabilitation

Drainage Basin/ District: South Platte / 4

Water Source: Big Thompson River

Total Project Cost: \$800,000

Funding Source: Severance Tax PBF

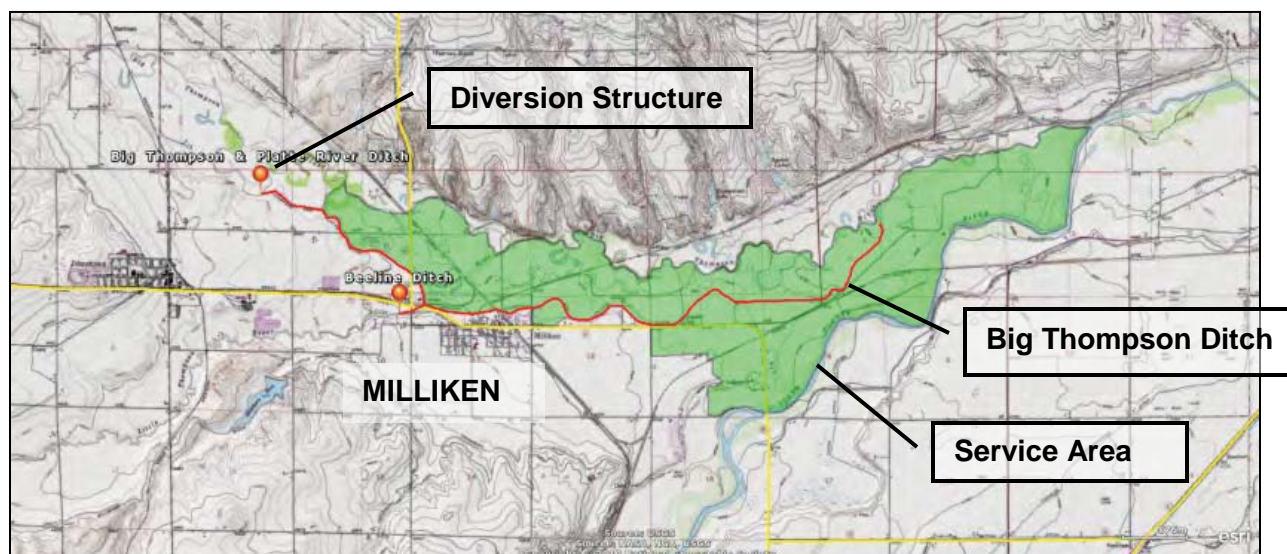
Type of Borrower: Blended

Average Annual Diversion: 9,736 AF

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

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

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



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

C150382

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

Project Name: Emergency Berm Repair

Project Type: Ditch Rehabilitation

Drainage Basin/ District: South Platte / 6

Water Source: Boulder Creek

Total Project Cost: \$275,000

Funding Source: Severance Tax PBF

Type of Borrower: Blended

Average Annual Diversion: 1,177 AF

CWCB Loan: \$277,750
(with 1% service fee)

Interest Rate: 2.30% **Term:** 30-years
(48% Ag, 51% Mid-Muni, 1% Commercial)

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



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

C150377

Borrower: Church Ditch Water Authority

County: Jefferson

Project Name: Leyden Creek Crossing Repair

Project Type: Ditch Rehabilitation

Drainage Basin/ District: South Platte / 7

Water Source: Clear Creek

Total Project Cost: \$600,000

Funding Source: Severance Tax PBF

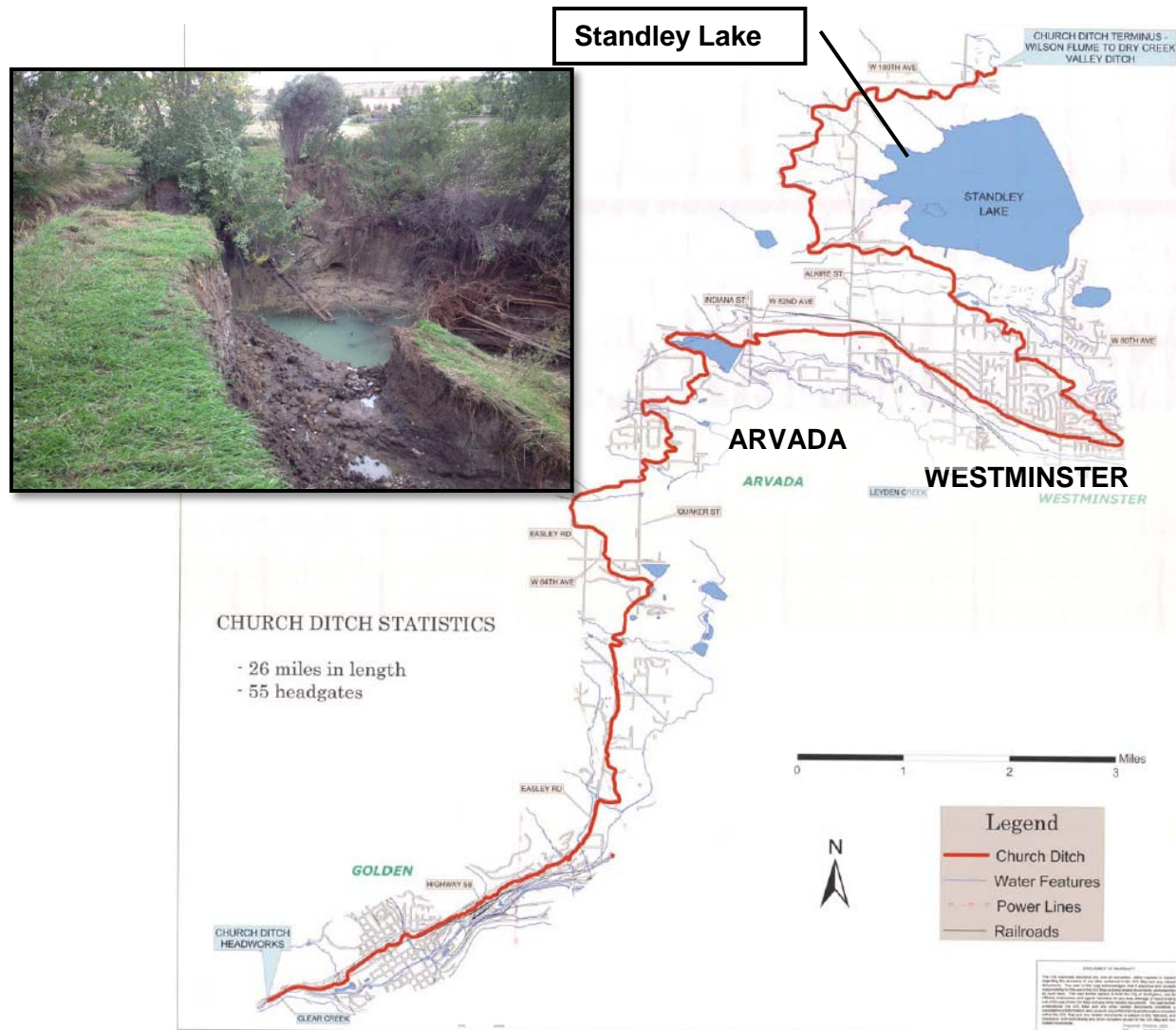
Type of Borrower: Blended

Average Annual Diversion: 8,355 AF

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

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

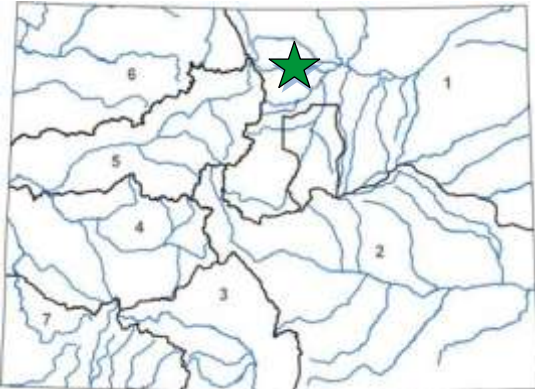
During the unprecedented flood of September 2013 in the tributaries to the South Platte River, a significant number of diversion structures and dams along the river corridor were damaged including the Authority's Church Ditch. Church Ditch flood repairs include restoring the Church Ditch to pre-flood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





(Loan Increase)

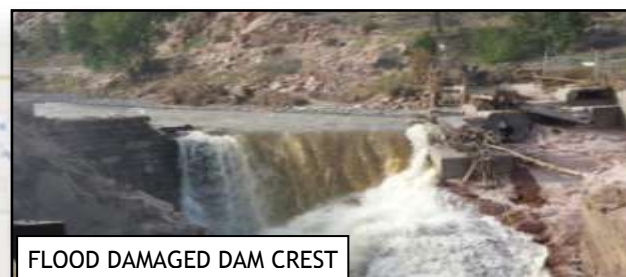
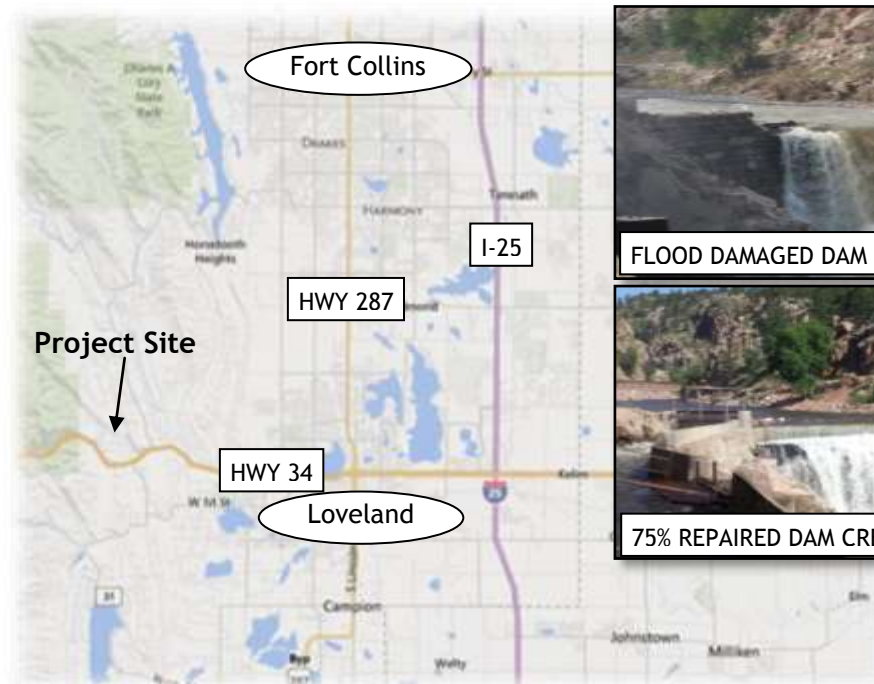
L O A N D E T A I L S	
Project Cost:	\$2,775,000
CWCB Loan (with Service Fee):	\$1,840,000 (15% increase)
Loan Term and Interest Rate:	30 Years @ 1.95%
Funding Source:	Severance Tax Perpetual Base Fund
B O R R O W E R T Y P E	
Agriculture	Municipal Commercial
76%	0% Low - 23% Mid - <1% High <1%
P R O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



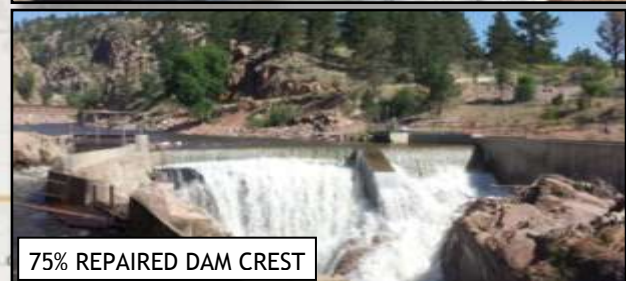
L O C A T I O N	
County:	Larimer
Water Source:	Big Thompson River
Drainage Basin:	South Platte
Division:	1 District: 4

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.



FLOOD DAMAGED DAM CREST



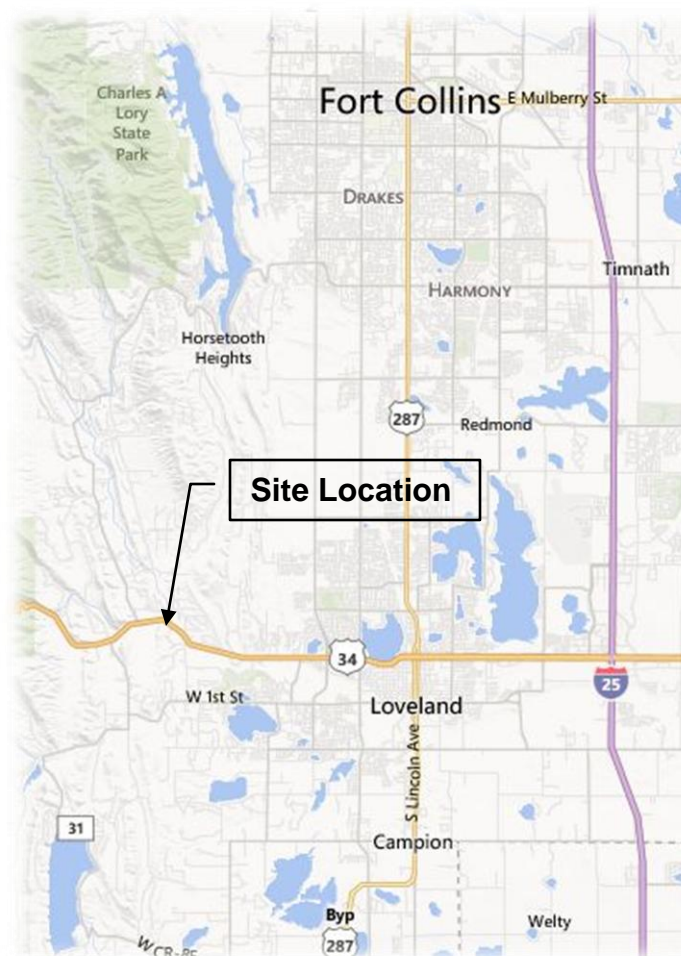
75% REPAIRED DAM CREST

**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**

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.

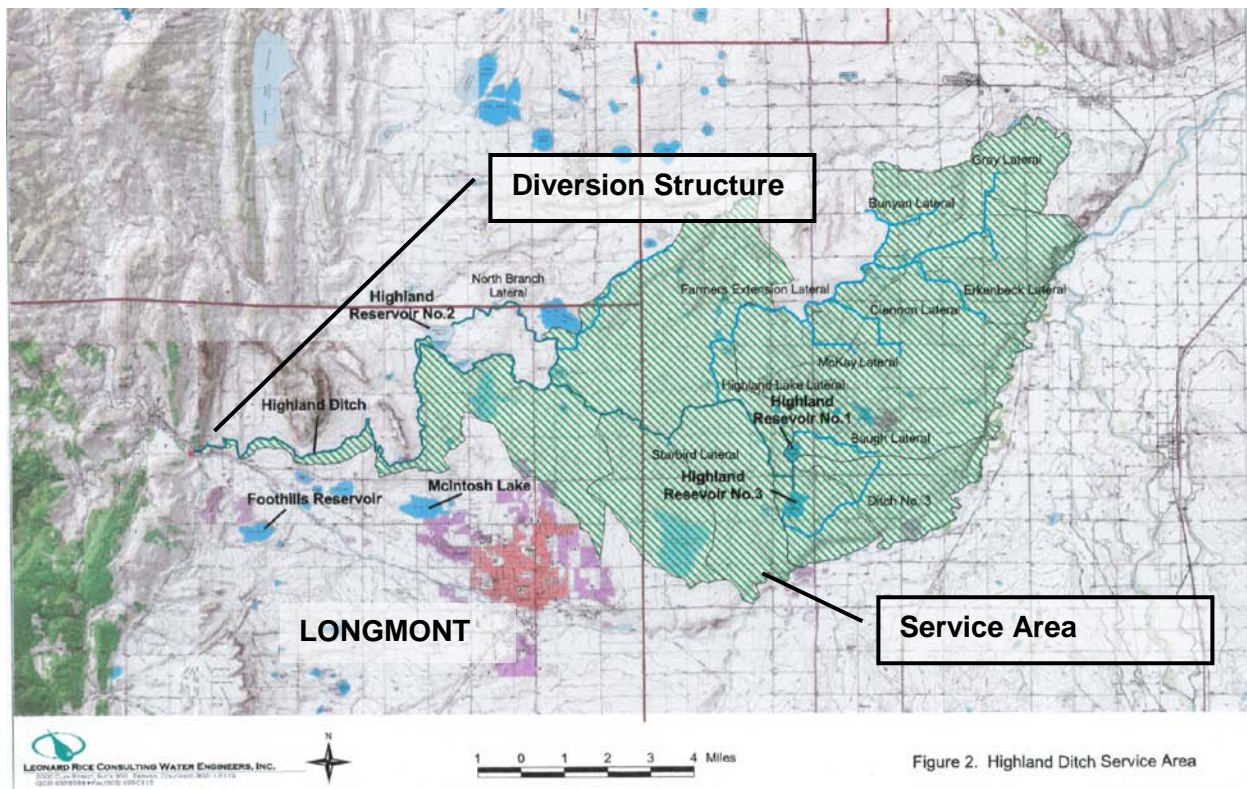


Figure 2. Highland Ditch Service Area

**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

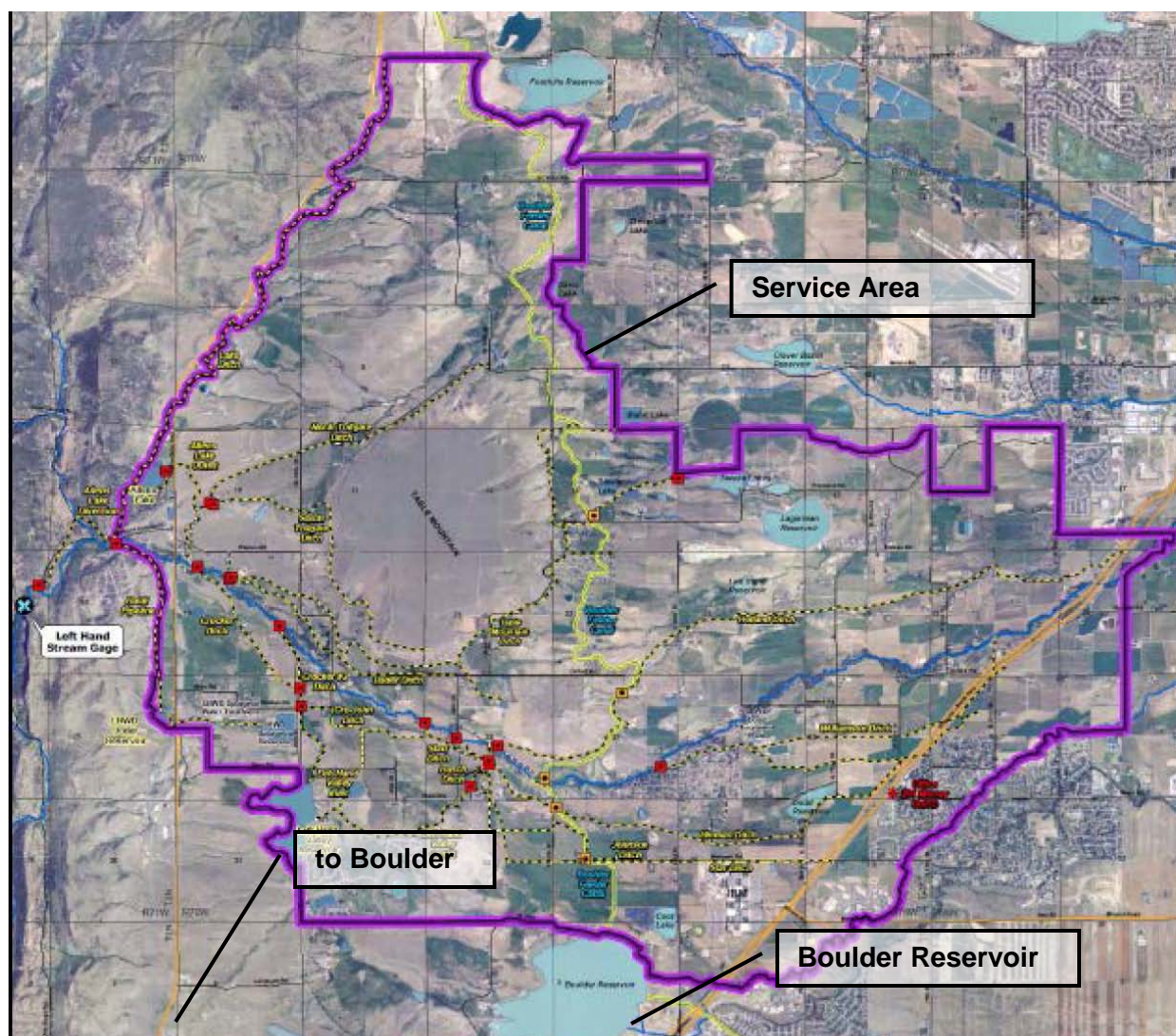
Type of Borrower: Blended

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

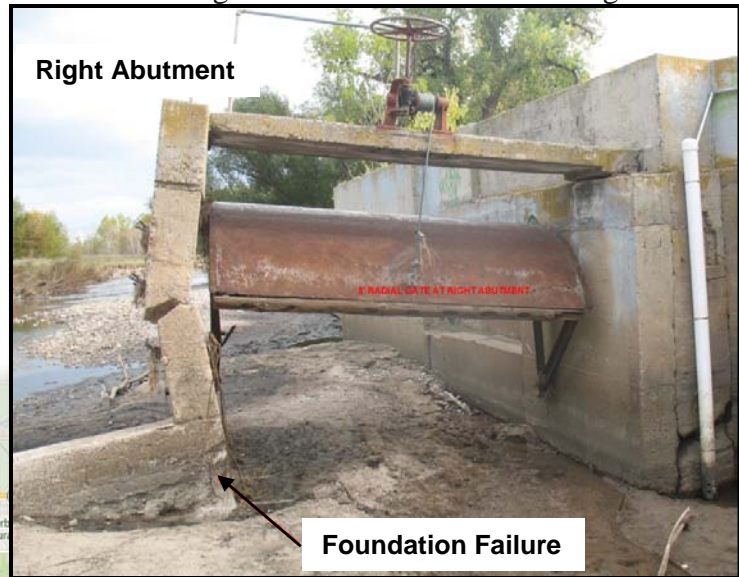
Type of Borrower: Blended

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

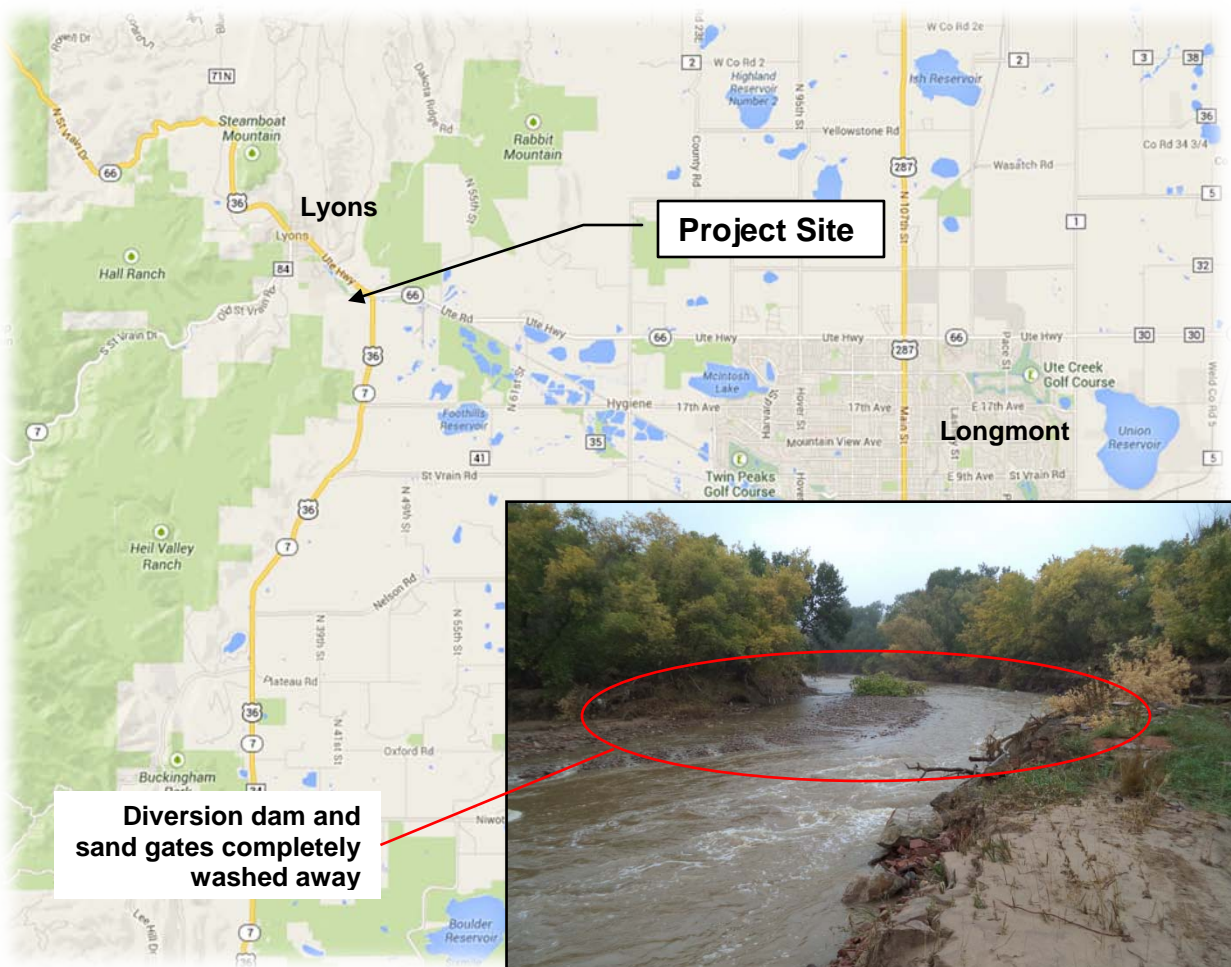
Type of Borrower: Blended

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.



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

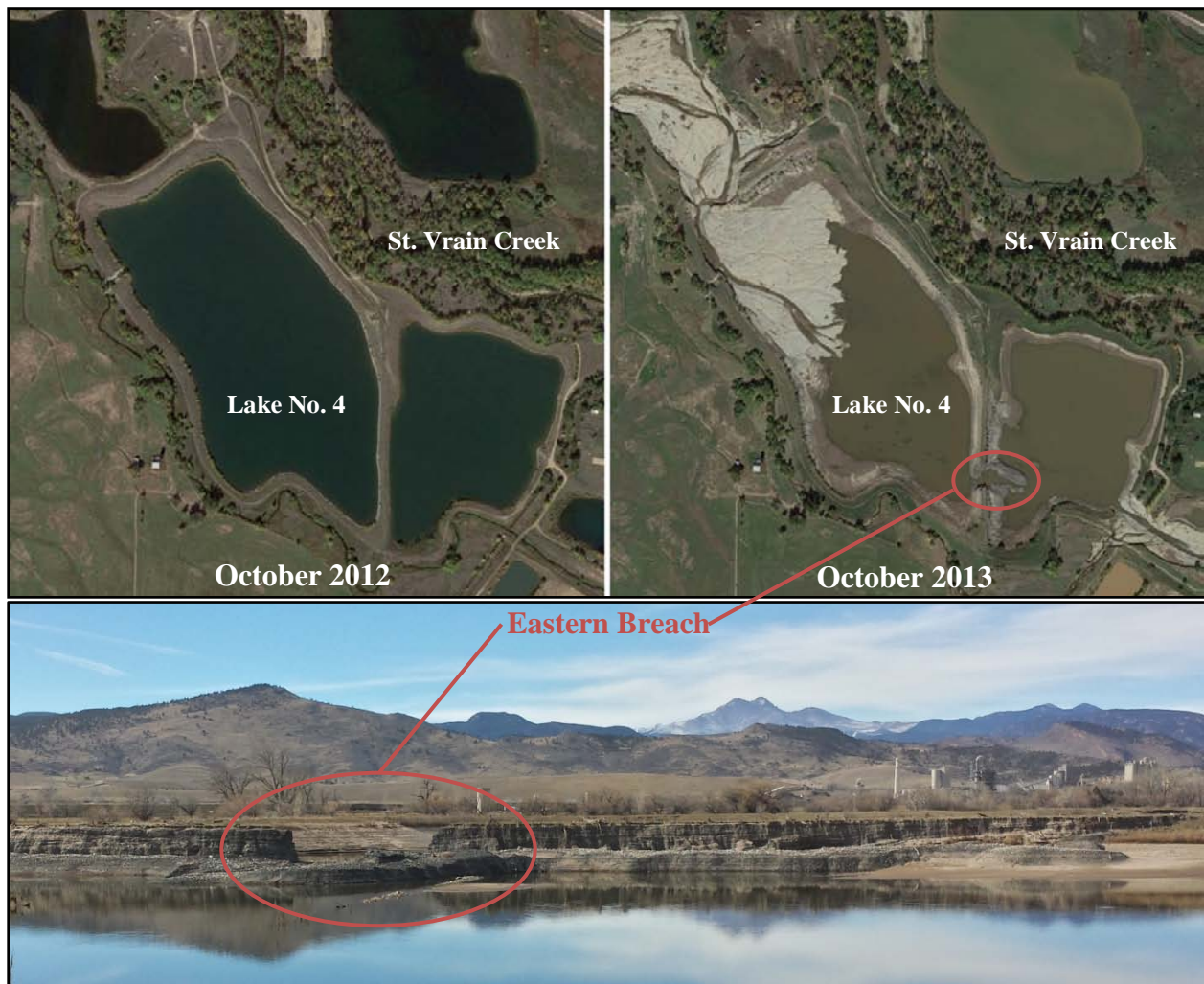
Type of Borrower: Blended

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

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

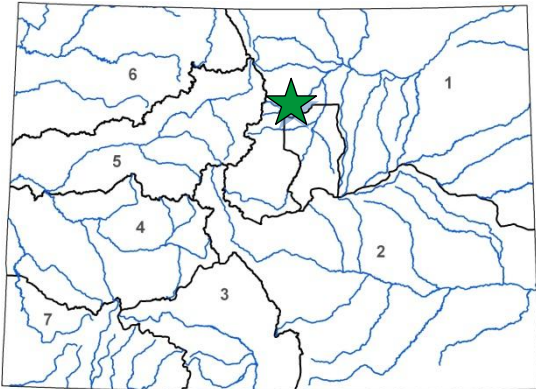
Interest Rate: 3.2% Term: 30-years
(Ownership: 93% High Municipal, 7% Commercial)

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.





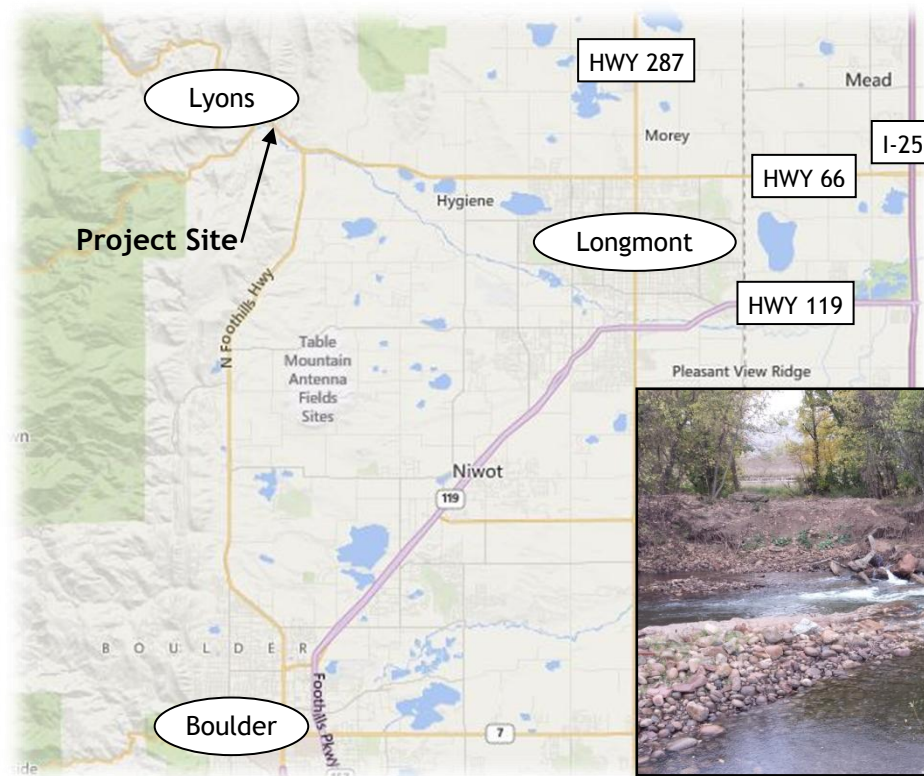
L O A N D E T A I L S	
Project Cost:	\$321,000
CWCB Loan (with Service Fee):	\$324,210
Loan Term and Interest Rate:	27 Years @ 2.25%
Funding Source:	Severance Tax Perpetual Base Fund
B O R R O W E R T Y P E	
Agriculture	Municipal Commercial
86%	0% Low - 5% Mid - 7% High 2%
P R O J E C T D E T A I L S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

C150389

Borrower: Hallditch Company

County: Boulder

Project Name: Emergency Hallditch 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 Amended to \$0
(with 1% service fee)

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

The Hallditch is located within the Left Hand Ditch Company's system and within the Left Hand Water District. The Hallditch 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 Hallditch 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. **Construction completed but Ditch Company's contribution was covered with non-CWCB grants. Loan was amended to \$0.**



**WATER PROJECT CONSTRUCTION LOAN PROGRAM
LOAN REPAYMENT DELINQUENCY REPORT
LOAN FINANCIAL ACTIVITY REPORT
JANUARY 2016**

LOAN REPAYMENT DELINQUENCY

Loan Repayments received relative to the Water Project Construction Loan Program have been reviewed for the period covering July 2015 through December 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 six months of Fiscal Year 2016 totaled 141. There were three loan payments not received on time during this period. The loan payment from the Grandview Irrigation Ditch Company was less than 30 days late. The loan payment from Fuchs Ranches, Inc. was less than 60 days late. The loan payment from the Spring Dale Ditch Company is over 60 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 2016 is summarized as follows: Funds received relative to loans in repayment totaled \$18.6 M for this year. Funds disbursed relative to new project loans totaled \$15.7 M for this year. Net activity resulted in \$2.9 M received by the CWCB Construction Fund and the Severance Tax Perpetual Base Fund (STPBF) over the total disbursed.

Further breakdown is summarized as follows: The Construction Fund portion consists of \$6.5 M in receivables and \$9.9 M in disbursements for a total net activity of \$3.4 M disbursed over received. The STPBF consists of \$12.1 M in receivables and \$5.8 M in disbursements for a total net activity of \$6.3 M received over disbursed.

COLORADO WATER CONSERVATION BOARD

FINANCIAL ACTIVITY REPORT FOR FISCAL YEAR 2016

CONSTRUCTION FUND

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July 2015	\$ 807,994	\$ 179,878	\$ 987,872	\$ -	\$ 987,872
August 2015	\$ 167,620	\$ 159,096	\$ 326,716	\$ 851,416	\$ (524,699)
September 2015	\$ 773,951	\$ 1,466,465	\$ 2,240,416	\$ 2,029,527	\$ 210,889
October 2015	\$ 89,456	\$ 55,105	\$ 144,561	\$ 2,258,359	\$ (2,113,798)
November 2015	\$ 656,695	\$ 926,743	\$ 1,583,439	\$ 3,620,018	\$ (2,036,579)
December 2015	\$ 755,208	\$ 452,434	\$ 1,207,642	\$ 1,103,224	\$ 104,418
January 2016	\$ -	\$ -	\$ -	\$ -	\$ -
February 2016	\$ -	\$ -	\$ -	\$ -	\$ -
March 2016	\$ -	\$ -	\$ -	\$ -	\$ -
April 2016	\$ -	\$ -	\$ -	\$ -	\$ -
May 2016	\$ -	\$ -	\$ -	\$ -	\$ -
June 2016	\$ -	\$ -	\$ -	\$ -	\$ -
FY 2016 Totals	\$ 3,250,925	\$ 3,239,721	\$ 6,490,646	\$ 9,862,544	\$ (3,371,898)

SEVERANCE TAX PERPETUAL BASE FUND

Period	Principal	Interest	Total Received	Disbursements	Net Activity
July 2015	\$ 54,661	\$ 106,155	\$ 160,816	\$ -	\$ 160,816
August 2015	\$ 4,567,874	\$ 1,116,206	\$ 5,684,080	\$ 2,870,469	\$ 2,813,611
September 2015	\$ 554,447	\$ 415,873	\$ 970,320	\$ 764,226	\$ 206,094
October 2015	\$ 293,827	\$ 739,299	\$ 1,033,126	\$ 695,755	\$ 337,371
November 2015	\$ 245,008	\$ 78,674	\$ 323,682	\$ 729,016	\$ (405,335)
December 2015	\$ 3,579,920	\$ 310,698	\$ 3,890,618	\$ 771,083	\$ 3,119,535
January 2016	\$ -	\$ -	\$ -	\$ -	\$ -
February 2016	\$ -	\$ -	\$ -	\$ -	\$ -
March 2016	\$ -	\$ -	\$ -	\$ -	\$ -
April 2016	\$ -	\$ -	\$ -	\$ -	\$ -
May 2016	\$ -	\$ -	\$ -	\$ -	\$ -
June 2016	\$ -	\$ -	\$ -	\$ -	\$ -
FY 2016 Totals	\$ 9,295,737	\$ 2,766,905	\$ 12,062,642	\$ 5,830,549	\$ 6,232,092

GRAND TOTALS	\$ 12,546,662	\$ 6,006,626	\$ 18,553,288	\$ 15,693,093	\$ 2,860,195
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