

Colorado Water Conservation Board

CONSTRUCTION FUND
AND
SEVERANCE TAX
PERPETUAL BASE FUND

2013 SMALL PROJECT LOAN REPORT



Colorado Water Conservation Board
Department of Natural Resources

January 15, 2014

STATE OF COLORADO

Colorado Water Conservation Board Department of Natural Resources

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January 15, 2014

Senator Gail Schwartz
Chair, Senate Agriculture, Livestock and Natural Resources Committee

Representative Randy Fischer
Chair, House Agriculture, Livestock and Natural Resources Committee

Re: 2013 Small Project Loan Report
Construction Fund and Severance Tax Perpetual Base Fund

John W. Hickenlooper
Governor

Mike King
DNR Executive Director

James Eklund
CWCB Director

Dear Senator Schwartz and Representative Fischer,

Pursuant to Section 37-60-122(b) of the C.R.S. we are submitting the attached written determination of the basis for all loans authorized by the Colorado Water Conservation Board (CWCB) under \$10,000,000 during the past calendar year 2013. The report was completed by CWCB staff on January 15, 2014 and will be presented at the Colorado Water Conservation Board Meeting January 27-28, 2013, in Denver, Colorado.

The report will be posted on the web at www.leg.state.co.us and the CWCB web-site www.cwcb.state.co.us and available for distribution from the CWCB. 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. Andy White, Legislative Program Manager, at 303-523-4225.

Sincerely,

James Eklund, Director
Colorado Water Conservation Board

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 2013.

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 42 new loan projects under \$10,000,000 approved by the CWCB in calendar year 2013. The total loan value is approximately \$53 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 15, 2014

**Colorado Water Conservation Board
Small Project Loans - Construction Fund
For Calendar Year 2013**

Item	Date Approved	Sponsor	Project	Amount Approved	County	Basin
1	01/28/13	Twenty Two Road Lateral Company	Twenty Two Road Lateral Ditch Replacement Project	\$ 517,848	Mesa	Colorado River
2	03/19/13	Ordway Feedyard, LLC	Ordway Feedyard Raw Water Line Extension Project	\$ 2,525,000	Crowley	Arkansas River
3	03/19/13	Santa Maria Reservoir Company	Santa Maria Reservoir Siphon and Canal System Rehabilitation	\$ 1,405,163	Hindsdale / Mineral	Rio Grande
4	03/19/13	San Luis Valley Water Conservancy District	Anaconda Ditch Water Right Acquisition Project	\$ 839,000	Alamosa	Rio Grande
5	05/14/13	Missouri Heights-Mountain Meadow Irr. Co	Missouri Heights Irrigation Ditch Lining Project	\$ 454,500	Conejos	Alamosa River
6	05/14/13	Boxelder Basin Regional Stormwaeter Authority	Boxelder Larimer and Weld Canal Crossing Structure Project	\$ 1,010,000	Montezuma	Dolores River
7	05/14/13	Boxelder Basin Regional Stormwaeter Authority	Boxelder East Side Detention Facility Project	\$ 7,171,000	Montezuma	Dolores River
8	05/14/13	Grand Mesa Water Conservancy District	Peak Res and Blanche Park Res Rehab. Project	\$ 227,250	Larimer / Weld	South Platte
9	07/17/13	Bellyache Ridge Metropolitan District	Bellyache Ridge Metro District Well Replacement Project	\$ 169,175	Eagle	Colorado River
10	07/17/13	Boulder and Left Hand Irrigation Company	Boulder and Left Hand IC Tracy Lateral Pipeline Project	\$ 159,075	Boulder	South Platte
11	07/17/13	Henrylyn Irrigation District	Henrylyn ID Prospect Reservoir Dam Rehabilitation Project	\$ 2,967,279	Weld	South Platte
12	07/17/13	Town of Fowler	Fowler Augmentation Pipeline Project	\$ 277,245	Otero	Arkansas River
13	07/17/13	East Mesa Water Company	East Mesa Ditch Pipeline Project	\$ 555,500	Garfield	Colorado River
14	09/25/13	City of Lamar	Lamar Water Transmission Line Replacement Project	\$ 792,850	Prowers	Arkansas River
15	09/25/13	Santa Maria Reservoir Company	Santa Maria Continental Dam Spillway Restoration	\$ 3,071,663	Hindsdale / Minieral	Rio Grande
16	09/25/13	Lone Cabin Ditch and Reservoir Company	Lone Cabin Dam Rehabilitation Project	\$ 252,803	Delta	Gunnison
17	09/25/13	Town of Windsor	Windsor Kyger Reservoir Project	\$ 4,545,000	Larimer / Weld	South Platte
18	09/25/13	Greeley and Loveland Irrigation Company	Greeley and Loveland Irrigation System Improvements	\$ 3,154,230	Larimer	South Platte
19	09/25/13	Huerfano County Water Conservancy District	Huerfano County Regional Augmentation Project	\$ 2,222,000	Huerfano	Arkansas River
20	09/25/13	Petrocco Family Limited Partnership, LLLP	Water Rights Purchase	\$ 840,825	Adams / Weld	South Platte
21	11/20/13	North Poudre Irrigation Company	North Poudre Reservoir No. 4 Rehabilitation	\$ 1,636,200	Larimer	South Platte
22	11/20/13	Wadley Farms Filing No. 3 Homeowner's Association	Water Rigths Purchase	\$ 727,200	Adams	South Platte
Total Small Project Loans Approved in 2013 From Construction Fund				\$ 35,520,805		

**Colorado Water Conservation Board
Small Project Loans - Severance Tax Perpetual Base Fund
For Calendar Year 2013**

Item	Date Approved	Sponsor	Project	Amount Approved	County	Basin
23	10/21/13	Highland Ditch Company	Emergency System Repairs	\$ 1,999,800	Boulder	South Platte
24	10/21/13	Left Hand Ditch Company	Emergency System Repairs	\$ 3,276,056	Boulder	South Platte
25	10/21/13	Rough and Ready Irrigating Ditch Company	Emergency River Diversion Structure Repair	\$ 1,843,250	Boulder	South Platte
26	10/21/13	Oligarchy Irrigation Company	Emergency River Diversion Structure Repair	\$ 1,262,500	Boulder	South Platte
27	10/21/13	Big Thompson and Platte River Ditch Company	Emergency Diversion Sturcture Repair	\$ 808,000	Weld	South Platte
28	10/21/13	Boulder & Larimer County Irr. and Manufact. Ditch Co	Emergency Diversion Structure Repair	\$ 202,000	Boulder / Larimer	South Platte
29	10/21/13	Ish Reservoir Company	Emergency Inlet and Diversion Structure Repair	\$ 207,050	Boulder	South Platte
30	10/21/13	Consolidated Home Supply Ditch and Res. Co	Emergency Diversion Repair	\$ 1,616,000	Larimer	South Platte
31	10/21/13	North Poudre Irrigation Company	Emergency Diversion Structure Repair	\$ 481,770	Larimer	South Platte
32	10/21/13	Church Ditch Water Authority	Emergency Crossing Repair	\$ 606,000	Jefferson	South Platte
33	11/20/13	Union Ditch Company	Emergency Ditch Repair	\$ 202,000	Weld	South Platte
34	11/20/13	Davidson Ditch and Reservoir Company	Emergency Ditch Lining	\$ 37,370	Boulder	South Platte
35	11/20/13	Beeman Irrigating Ditch and Milling Company	Emergency Diversion Dam Repair	\$ 2,020,000	Weld	South Platte
36	11/20/13	Consolidated Home Supply Ditch and Res. Co	Emergency George Rist Ditch Repair	\$ 448,440	Larimer	South Platte
37	11/20/13	Butte Irrigating and Milling Company	Emergency Berm Repair	\$ 277,750	Boulder	South Platte
38	11/20/13	Green Ditch Company	Emergency Channel Repair	\$ 530,250	Boulder	South Platte
39	11/20/13	City of Evans	Emergency Town Ditch Repair	\$ 722,150	Weld	South Platte
40	12/19/13	Zweck and Turner Ditch Company	Emergency Ditch Repair	\$ 252,500	Weld	South Platte
41	12/19/13	Haldi Ditch Company	Emergency Ditch Repair	\$ 50,500	Weld	South Platte
42	12/19/13	Culver Lateral Ditch Company	Emergency Ditch Repair	\$ 151,500	Weld	South Platte

Total Small Project Loans Approved in 2013 From Severance Tax Perpetual Base Fund

\$ 16,994,886

Grand Total - Small Project Loans in 2013

\$ 52,515,691

CWCB Water Project Loan Program

Project Data Sheet

Borrower: Twenty Two Road Lateral Company

County: Mesa

Project Name: 22 Road Lateral Ditch Replacement

Project Type: Ditch Rehabilitation

Drainage Basin: Colorado / District 72

Water Source: Colorado River (via GVIC)

Total Project Cost: \$532,875

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

Type of Borrower: Blended

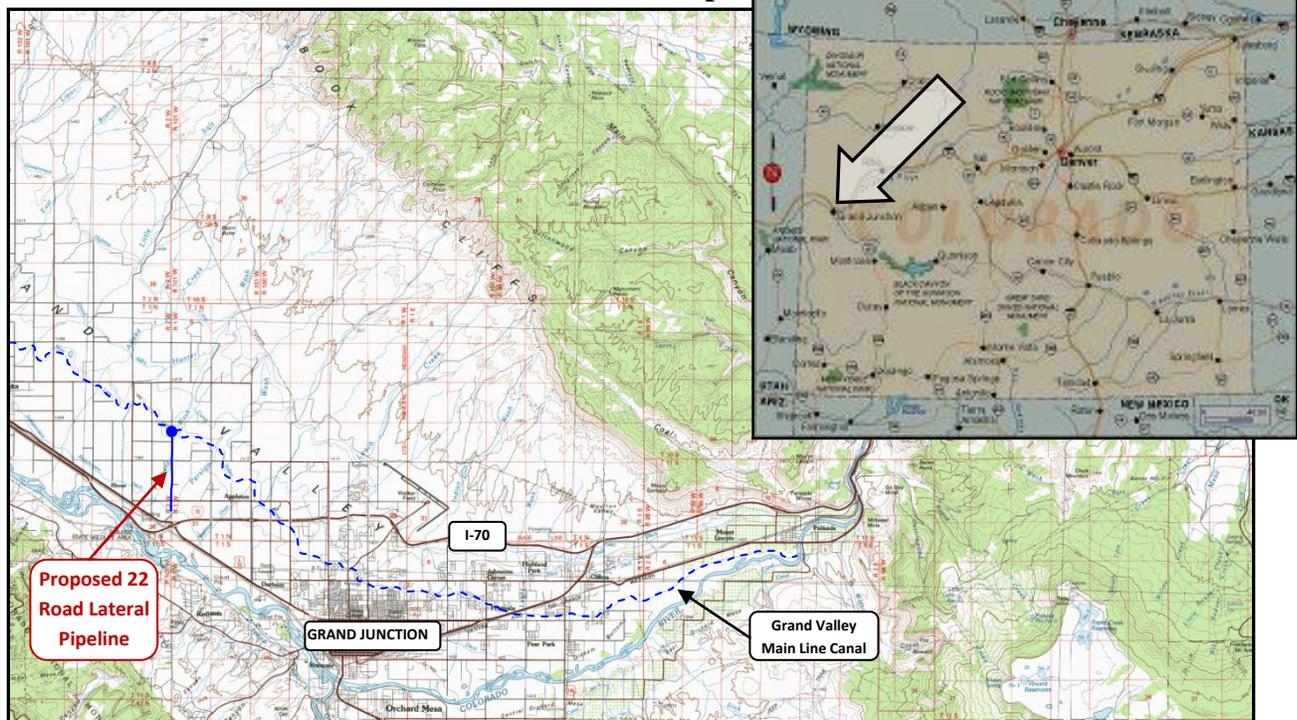
Avg. Annual Diversion: 1,334 AF

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

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

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

Location Map



Water Project Loan Program - Project Data

Borrower: Ordway Feedyard, LLC

County: Crowley

Project Name: Ordway Feedyard Raw Water
Line Extension Project

Project Type: Pipeline

Drainage Basin: Arkansas, District 17

Water Source: Groundwater

Total Project Cost: \$3,381,500

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

Type of Borrower: Agricultural

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

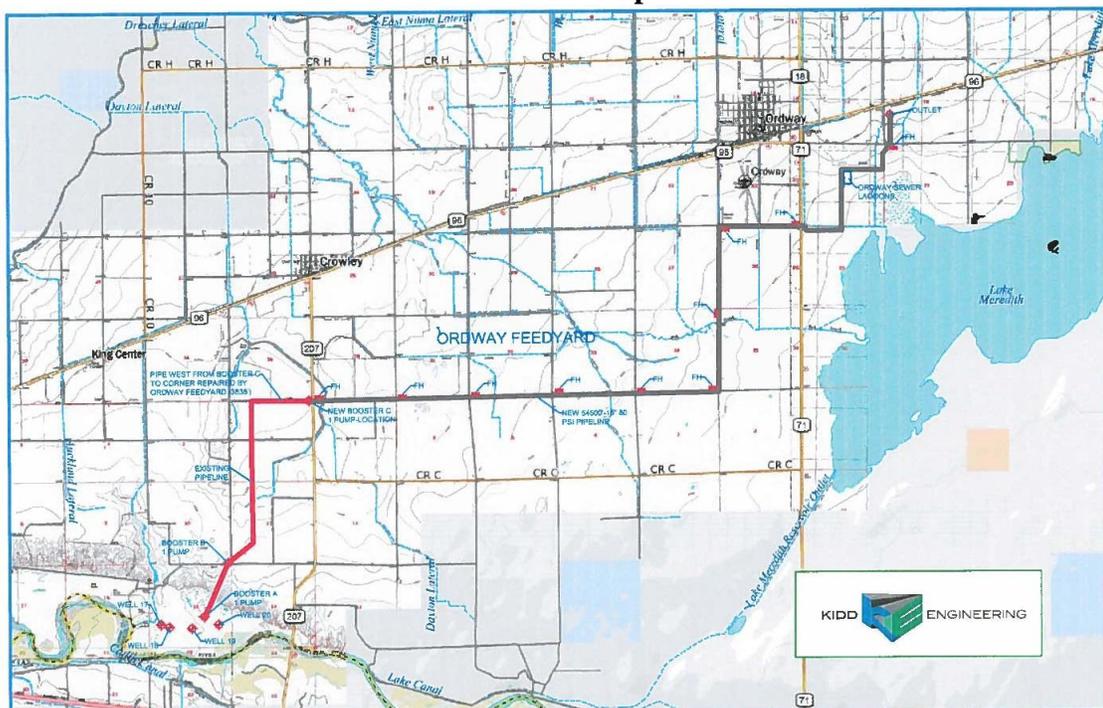
CWCB Loan: \$2,525,000 (incl. 1% loan fee)

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

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

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

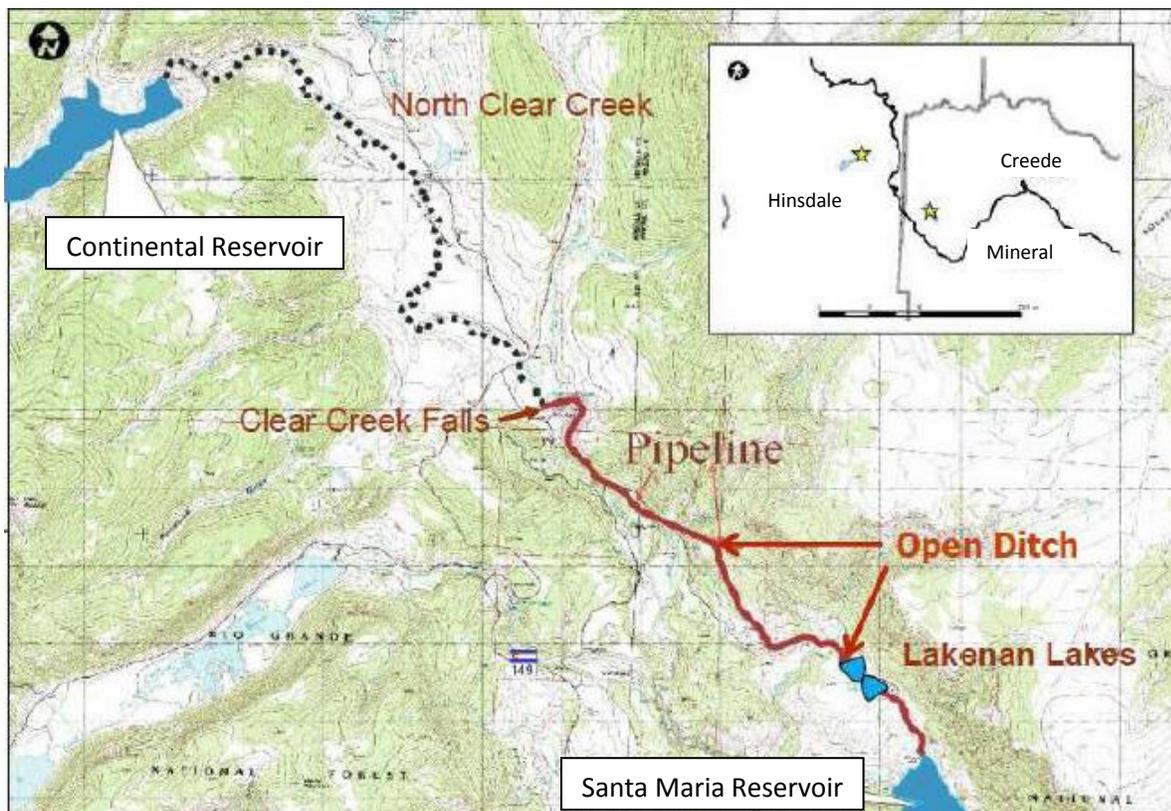
Location Map



**Water Project Loan Program
Project Data Sheet**

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

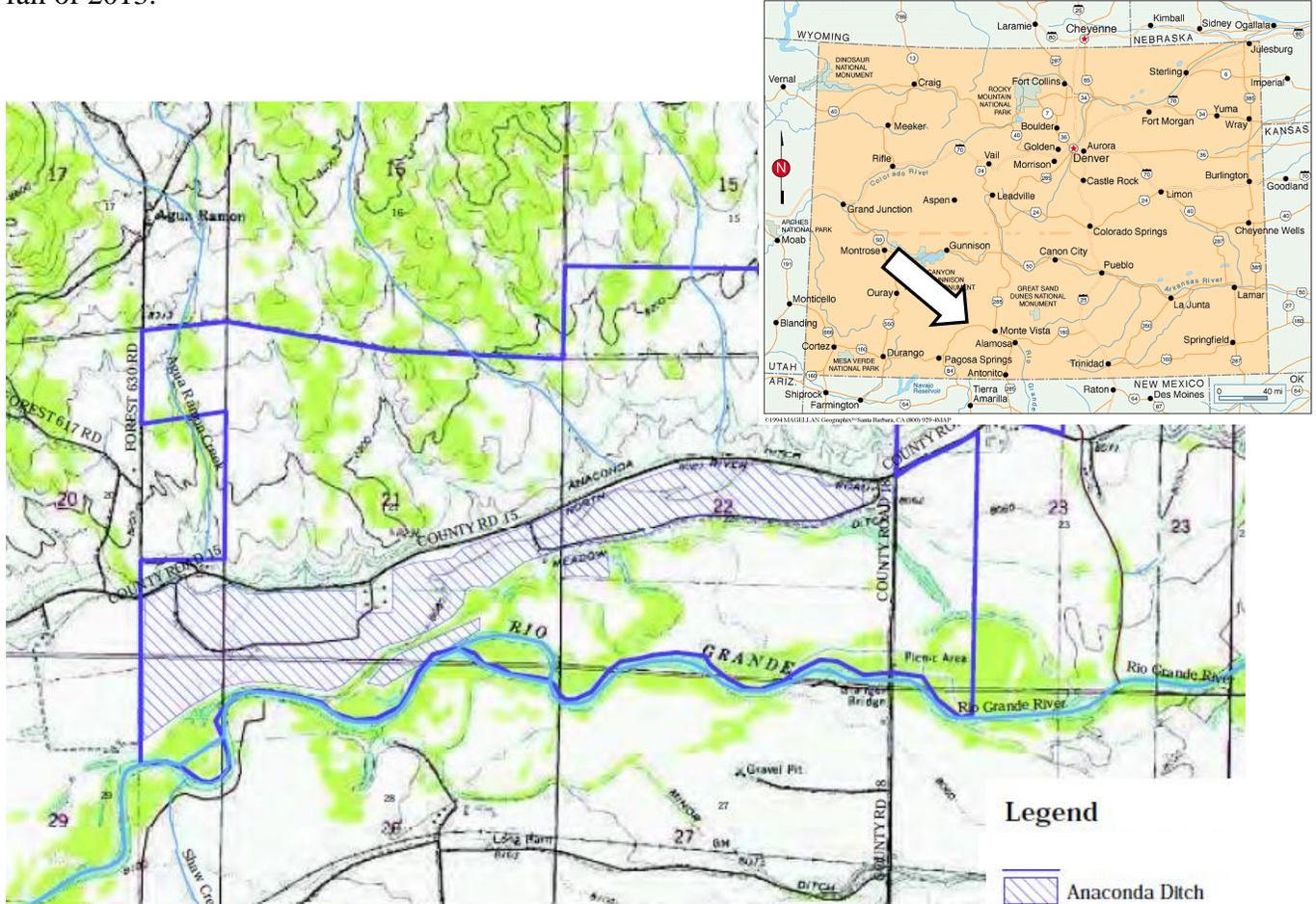
Santa Maria Reservoir Company owns and operates Continental Reservoir (27,000 AF) and Santa Maria Reservoir (43,500 AF), located in the Rio Grande River Basin near Creede, Colorado. Santa Maria and Continental operate in conjunction with each other via a century old conveyance system made up of a pipeline,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



Water Project Loan Program - Project Data Sheet

Borrower: 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 Water Project Loan Program
Project Data Sheet

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

Project Name: Irrigation Ditch Lining Project **Project Type:** Ditch Rehabilitation

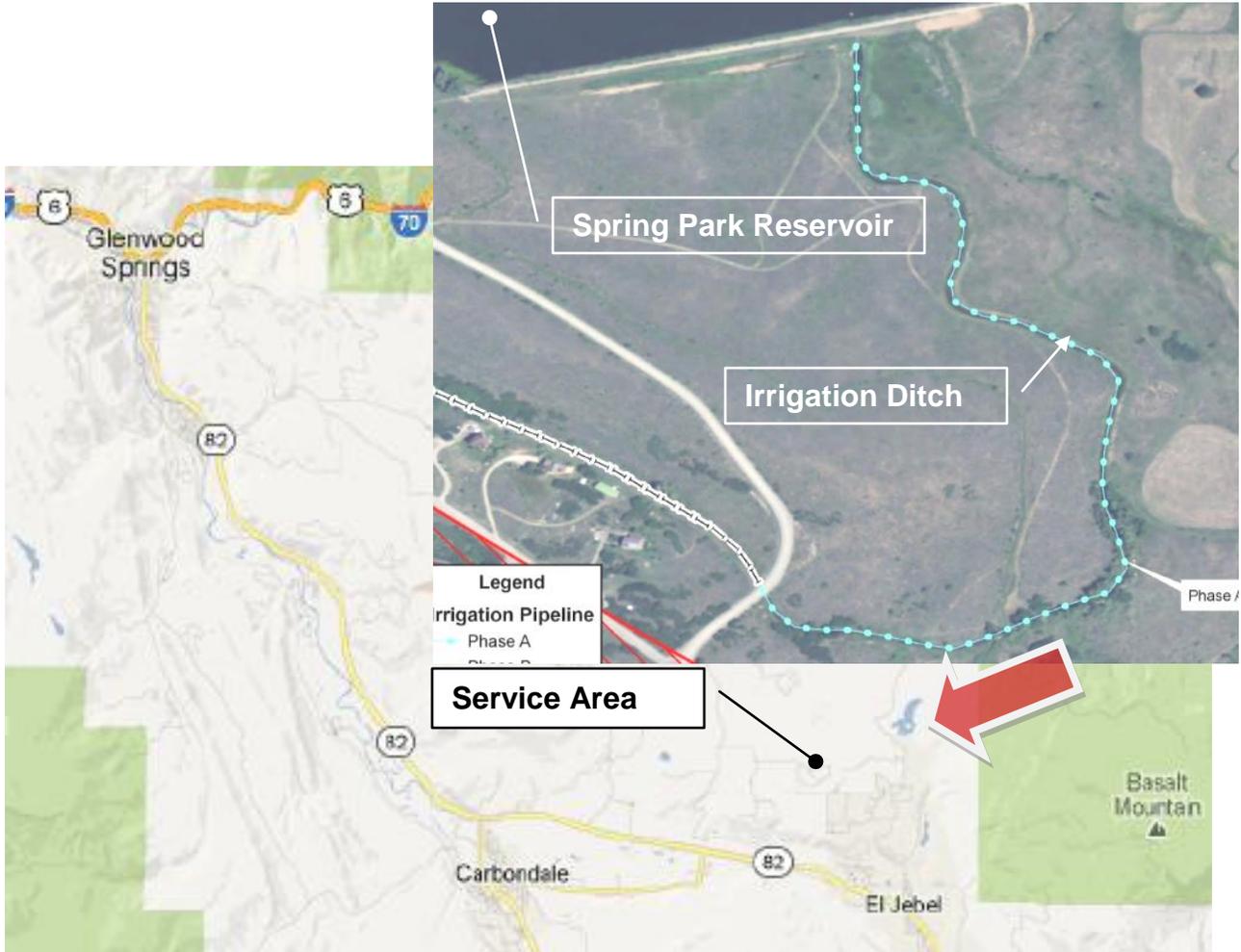
Drainage Basin: Colorado **Water Source:** Roaring Fork

Total Project Cost: \$550,000 **CWCB Funding Source:** Construction Fund

Type of Borrower: Agricultural/High Income **Average Annual Diversion:** 4,480 AF

CWCB Loan: \$454,500 (w/ 1% service fee) **Interest Rate:** 2.2% Blended **Term:** 30yr

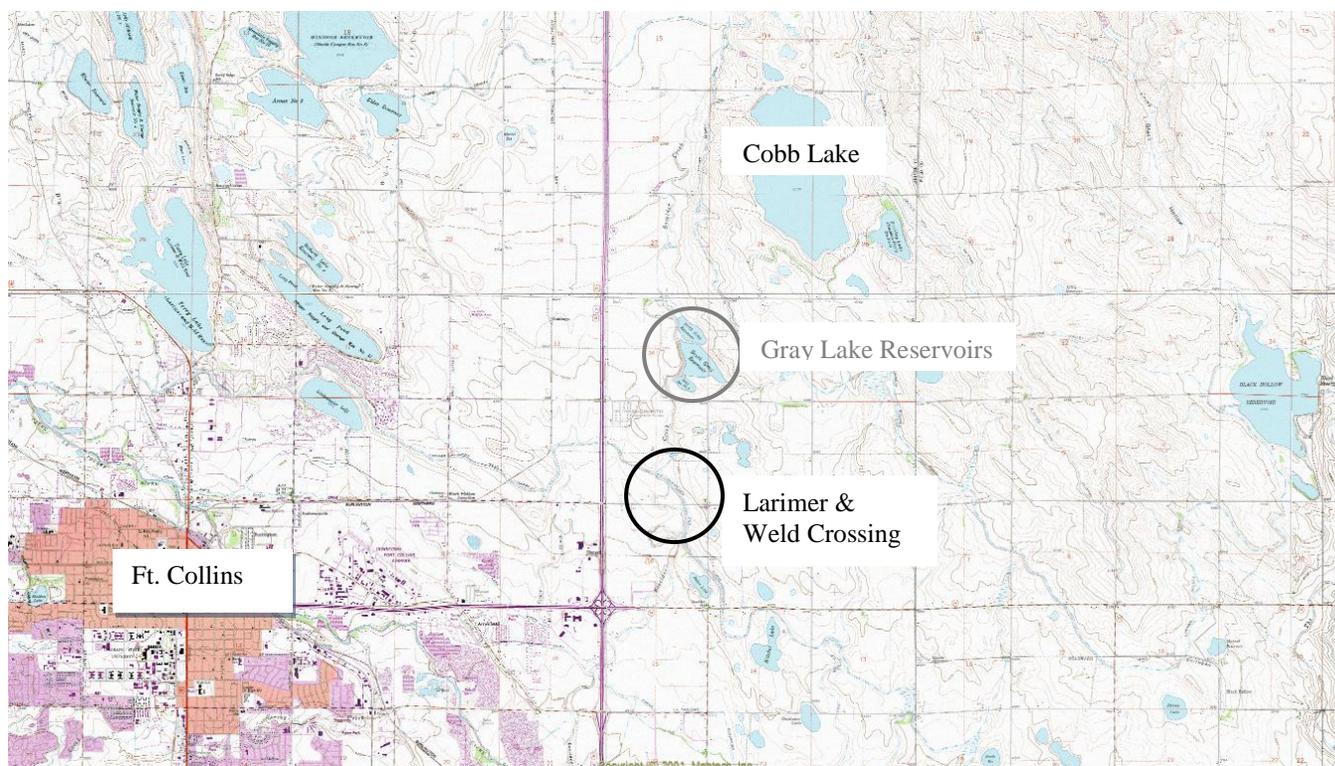
Missouri Height Mountain Meadows Irrigation Company provides irrigation water to approximately 1,500 acres of ranch land located 12 miles northeast of Carbondale. The Company worked with the Natural Resources Conservatio service (NRCS) to evaluate losses within its ditch. A one-mile section has been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



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

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

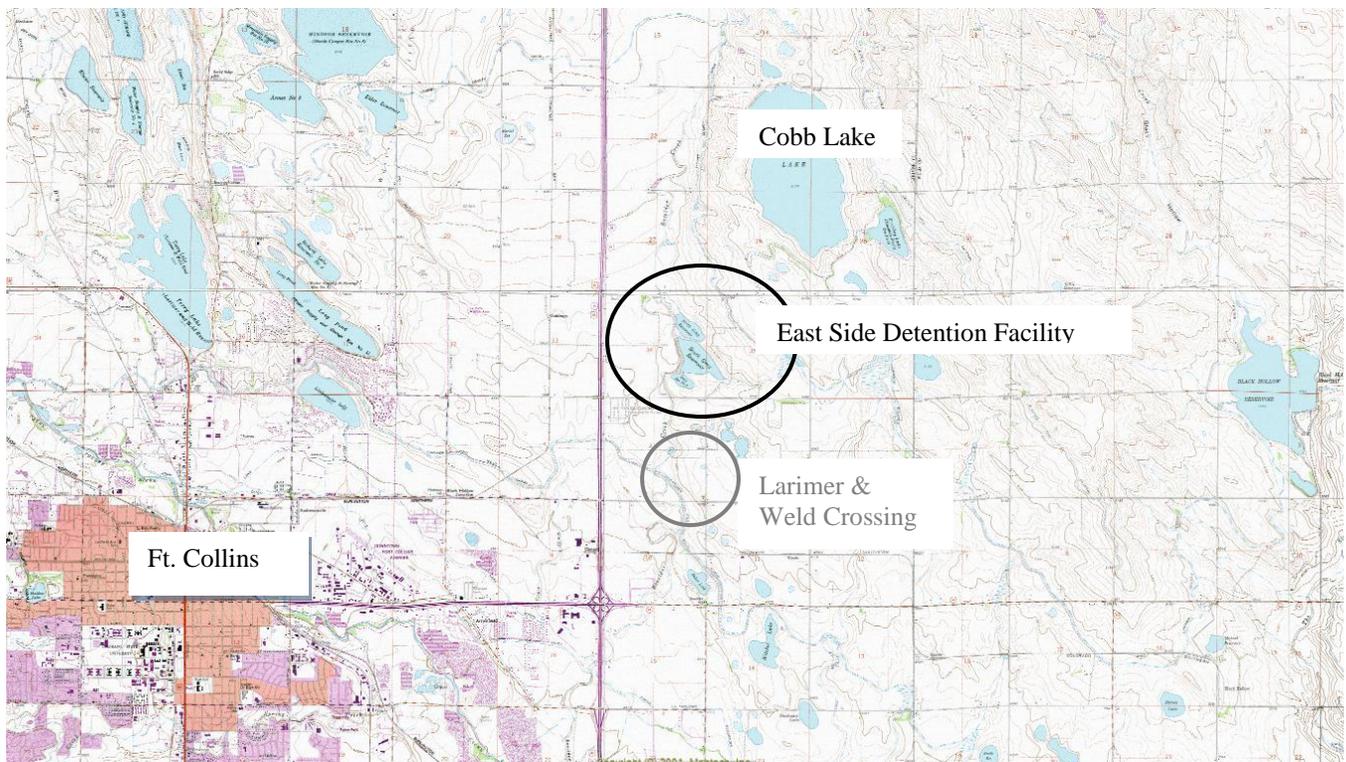
The Boxelder Basin Regional Stormwater Authority was formed in 2008, through an IGA between the City of Fort Collins, Larimer County and the Town of Wellington, to facilitate the construction of regional flood control projects to reduce the threat of flooding and remove areas from the FEMA floodplain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



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

Borrower: Boxelder Basin Regional Stormwater Authority	County: Larimer
Project Name: East Side Detention Facility	Project Type: Flood Control
Drainage Basin/ District: South Platte / 3	Water Source: Boxelder Creek
Total Project Cost: \$8,761,000	Funding Source: Construction Fund
Type of Borrower: Middle Income Municipal	Average Annual Diversion: N/A
CWCB Loan: \$7,171,000 (with 1% service fee)	Interest Rate: 2.75% Term: 15-years (Reduced from 3.0% for middle income municipal)

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



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

Borrower: Grand Mesa Water Conservancy District

County: Delta

Project Name: Peak Reservoir and Blanche Park Reservoir Rehabilitation

Project Type: Reservoir Rehabilitation

Drainage Basin/ District: Gunnison / 40

Water Source: Surface Creek

Total Project Cost: \$640,000

Funding Source: Construction Fund/
WSRA Gunnison Basin Funds

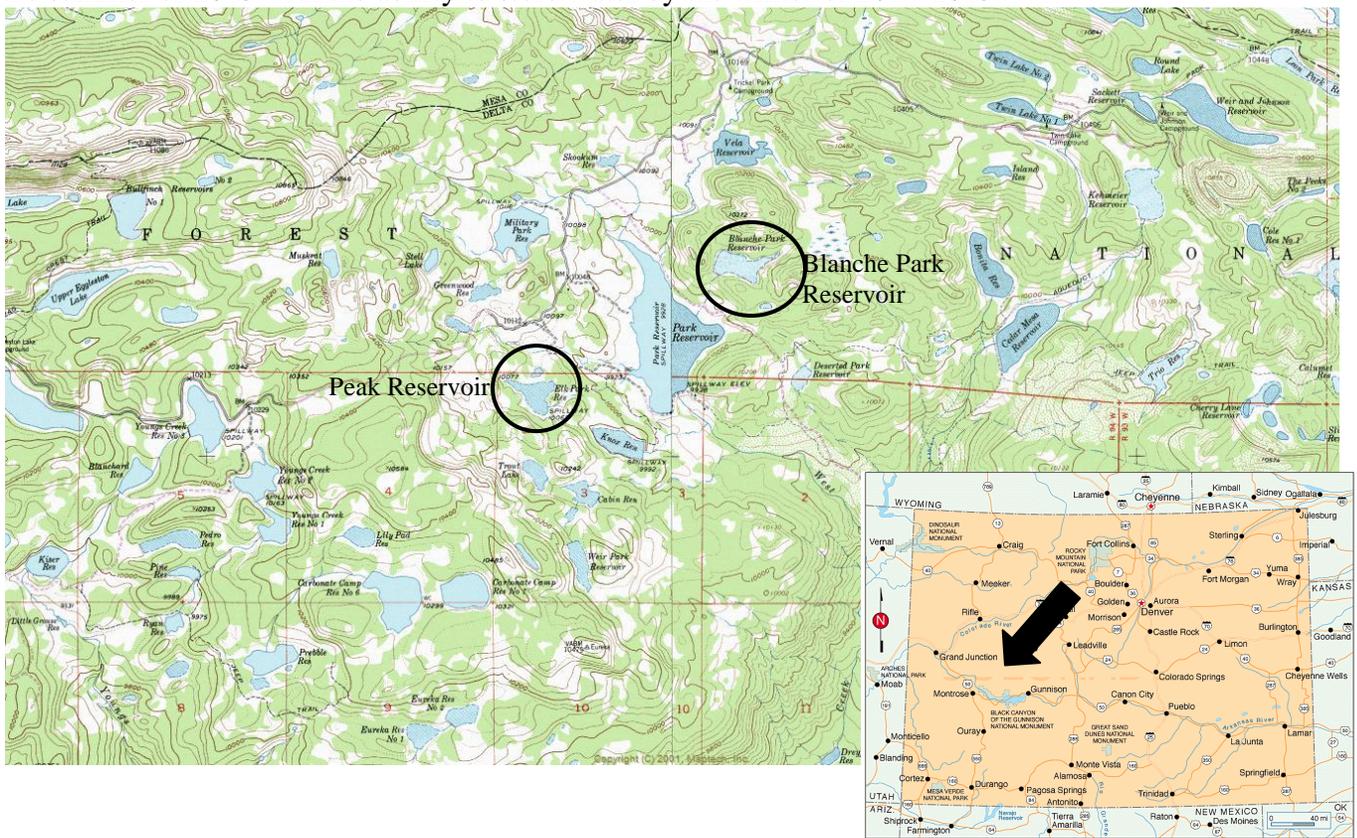
Type of Borrower: Municipal/Agricultural

Average Annual Diversion: 400 AF
Storage Added: 155 AF

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

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

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



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

Borrower: 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

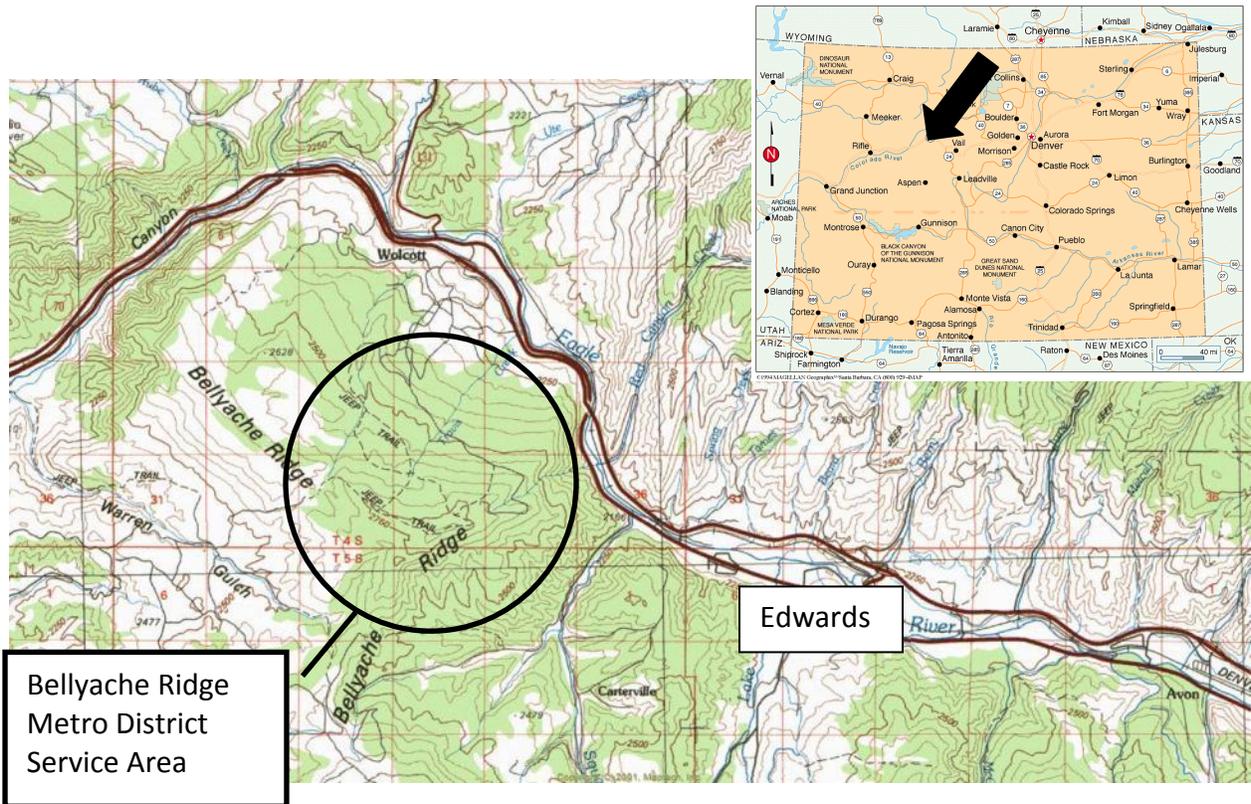
Type of Borrower: Municipal (High)

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.



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

C150357

Borrower: Boulder and Left Hand Irrigation Company

County: Boulder

Project Name: Tracy Lateral Pipeline at the Wederquist "Y"

Project Type: Ditch Rehabilitation

Drainage Basin/ District: South Platte / 6

Water Source: Boulder Creek

Total Project Cost: \$175,000

Funding Source: Construction Fund

Type of Borrower: Municipal/Agricultural

Average Annual Diversion: 2,869

CWCB Loan: \$159,075 (with 1% service fee)

Interest Rate: 2.35% **Term:** 30-years (Blended)

The Boulder and Left Hand Irrigation Company is a Mutual Ditch Company and Non-Profit Corporation. The Irrigation Company acquired Boulder and Left Hand Ditch Company in 1921, which had operated the ditch system since 1873. The Irrigation Company serves approximately 2,000 acres of farm land between Boulder, CO and Longmont, CO. The Tracy Lateral Pipeline at the Wederquist "Y" project will improve the hydraulic efficiency of the Tracy Lateral while reducing the operational and maintenance cost of the Irrigation Company by replacing a 1500 ft problem section of the Tracy Lateral with a pipeline. Construction is expected to commence in the fall of 2013.

Project Site ———— ○



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

C150358

Borrower: Henrylyn Irrigation District

County: Weld

Project Name: Prospect Reservoir Dam Facing Project

Project Type: Reservoir Rehabilitation

Drainage Basin/ District: South Platte / 1

Water Source: South Platte River

Total Project Cost: \$3,264,400

Funding Source: Construction Fund

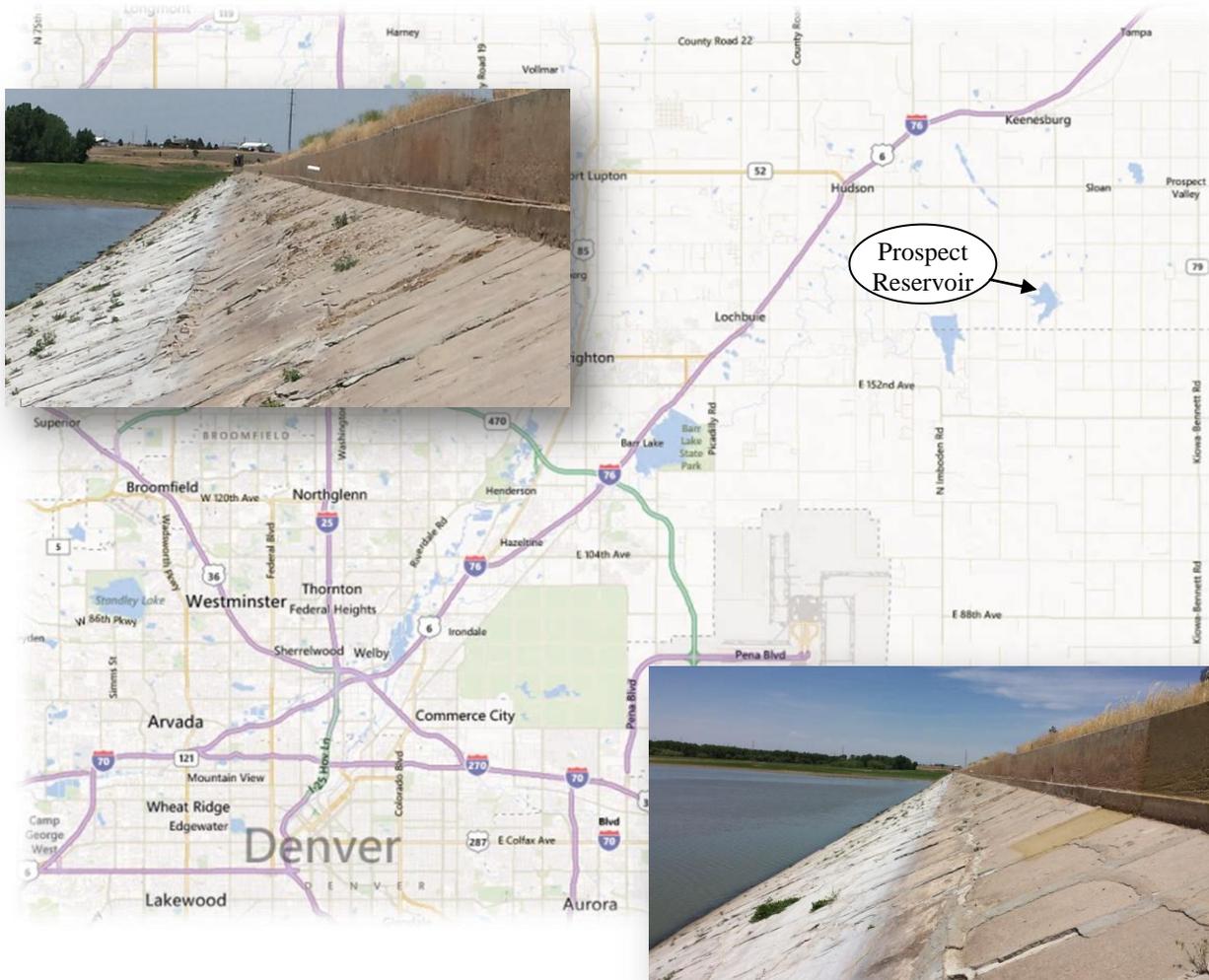
Type of Borrower: Agricultural

Average Annual Diversion: 39,950 AF

CWCB Loan: \$2,967,279
(with 1% service fee)

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

The Henrylyn Irrigation District was formed in 1907 under the Irrigation District Law of 1905. The District consists of 32,745 acres of irrigated farm land in Weld County. Their service area starts about 2 miles west of Hudson and extends generally east and south along I-76, to about 9 miles east of Keenesburg. Prospect Reservoir is an off-stream reservoir constructed in 1914 and has a Significant Hazard Large (Class 2) Dam with a height of 45 feet, a crest width of 18 feet, and a length of 5,300 lineal feet. The Prospect Reservoir Dam Facing Project will increase the erosion protection and dam stability by replacing a deteriorating concrete face at a 2:1 slope with a riprap face at a 3:1 slope. Construction is expected to commence in the fall of 2013.



**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

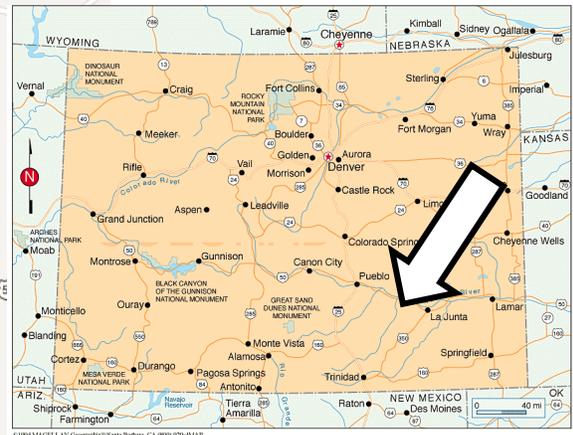
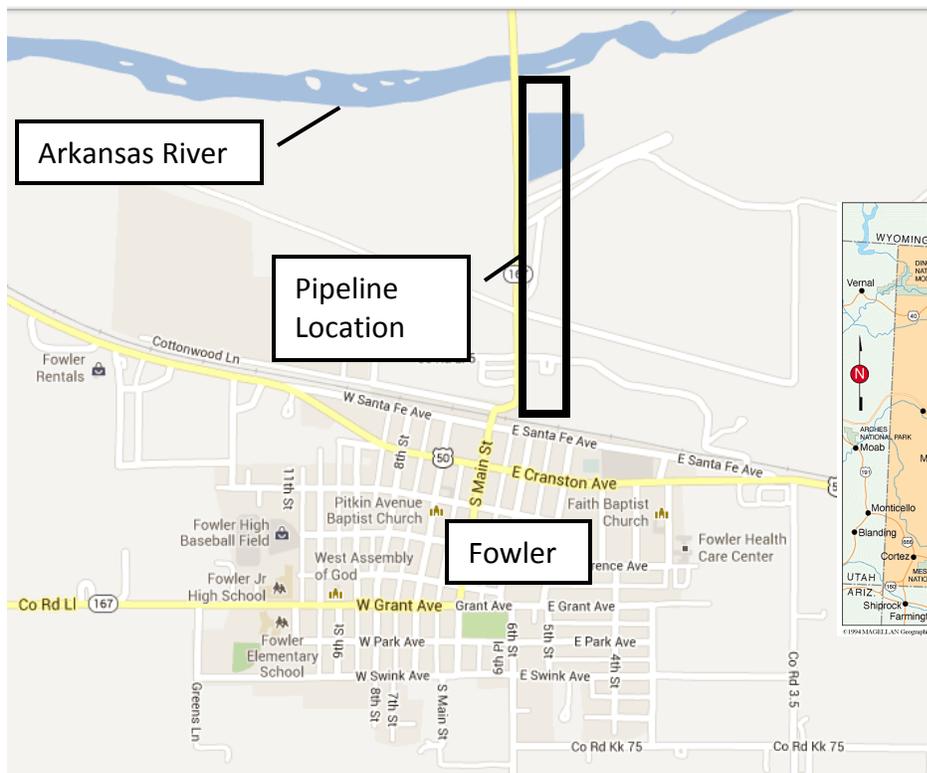
Type of Borrower: Municipal (Low)

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**

C150360

Borrower: East Mesa Water Company

County: Pitkin, Garfield

Project Name: Ditch Piping Project

Project Type: Ditch Rehabilitation

Drainage Basin/District: Colorado/38

Water Source: Crystal River

Total Project Cost: \$550,000

Funding Source: Construction Fund, NRCS

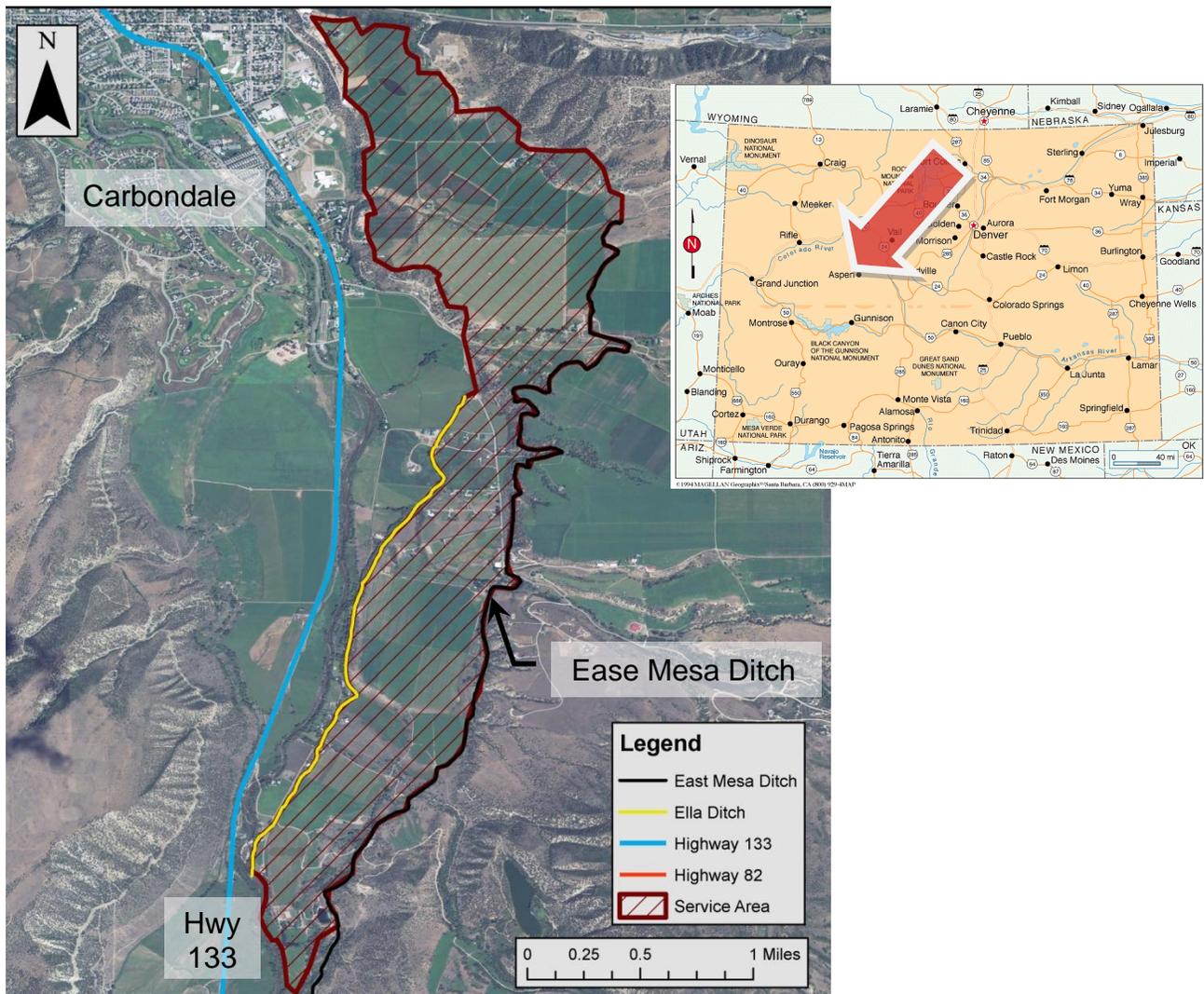
Type of Borrower: Agricultural

Average Annual Diversion: 9,669AF

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

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

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

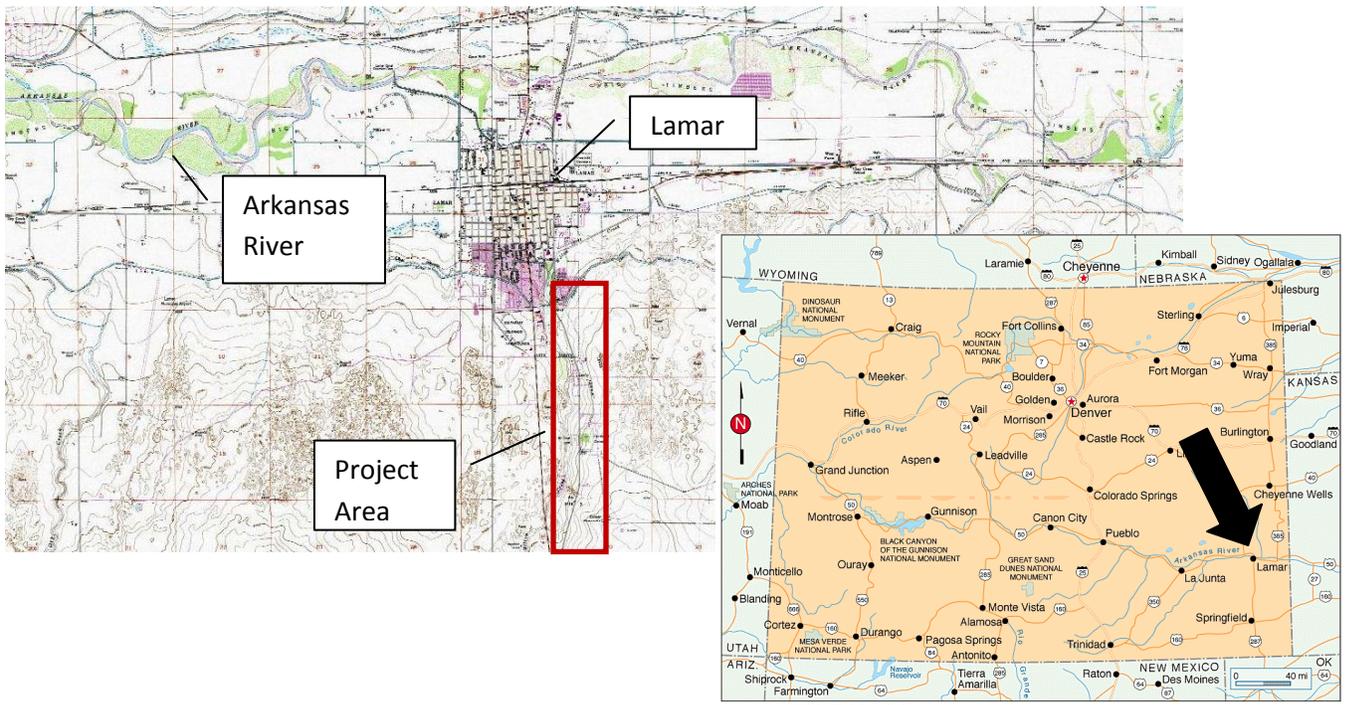


C150367

**Water Project Loan Program
Project Data Sheet**

Borrower:	City of Lamar, Water Activity Enterprise	County:	Prowers		
Project Name:	Raw Water Transmission Line Replacement Project	Project Type:	Pipeline Construction		
Drainage Basin:	Arkansas / District 67	Water Source:	Groundwater		
Total Project Cost:	\$1,970,000	Funding Source:	Construction Fund, Water Supply Reserve Account Grants, and Department of Local Affairs Grant		
Type of Borrower:	Low-Income Municipal	Avg. Annual Delivery:	2,005 AF		
CWCB Loan:	\$792,850 (w/ 1% service fee)	Interest Rate:	2.25%	Term:	30 years

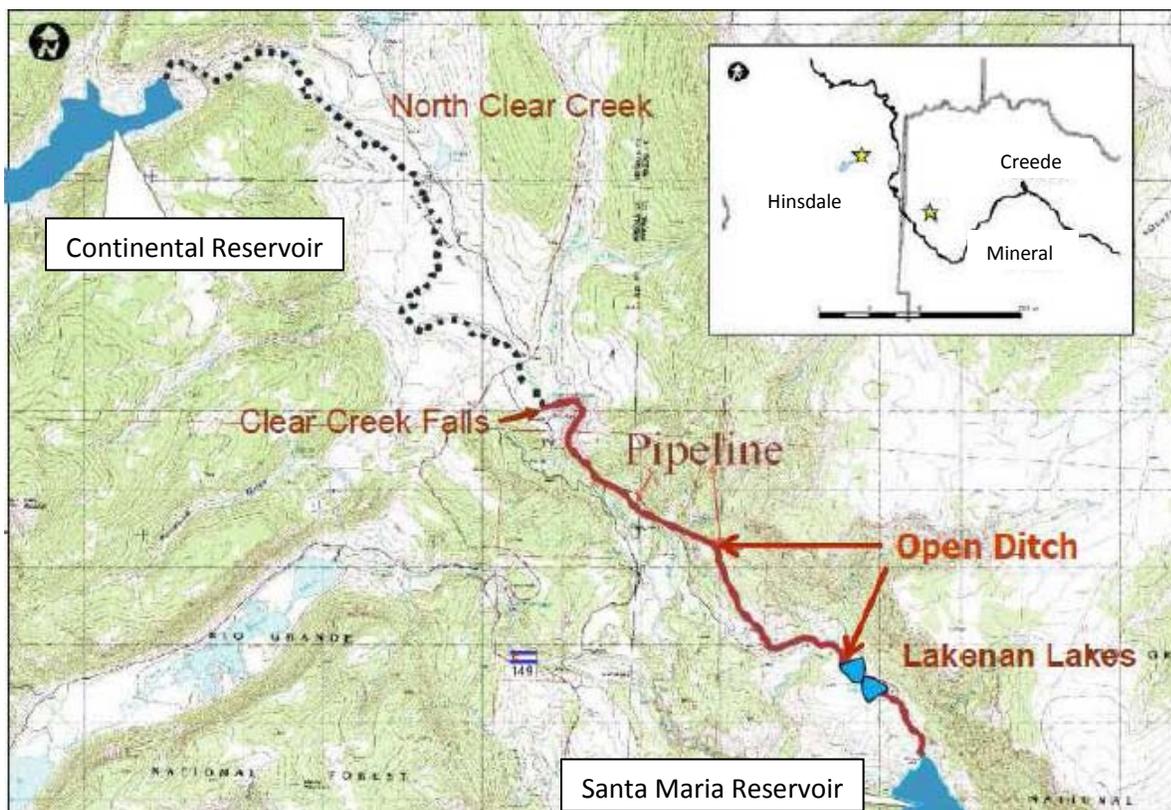
The City, located in Prowers County in southeastern Colorado, provides water service to a population of approximately 7,800 people. The water supply comes from 29 active wells. The transmission line from the highest quality water producing wells was constructed of cast iron in 1933 as a part of the Works Projects Administration. Recent testing of the line showed high amounts of scale build-up, pin-hole leaks, and pressure drops. It is estimated that between 378 to 662 acre-feet of water will be saved annually once a new transmission line is installed. In June of 2013, the City was approved for a \$200,000 grant by the Arkansas Basin Roundtable from the Water Supply Reserve Account (\$50,000 from the Arkansas Basin Account and \$150,000 from the Statewide Account). In July of 2013, it was also awarded a \$985,000 grant from the Department of Local Affairs (DOLA) Energy/Mineral Impact Assistance Fund. Construction is expected to occur in early to mid 2014.



**Water Project Loan Program
Project Data Sheet**

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

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

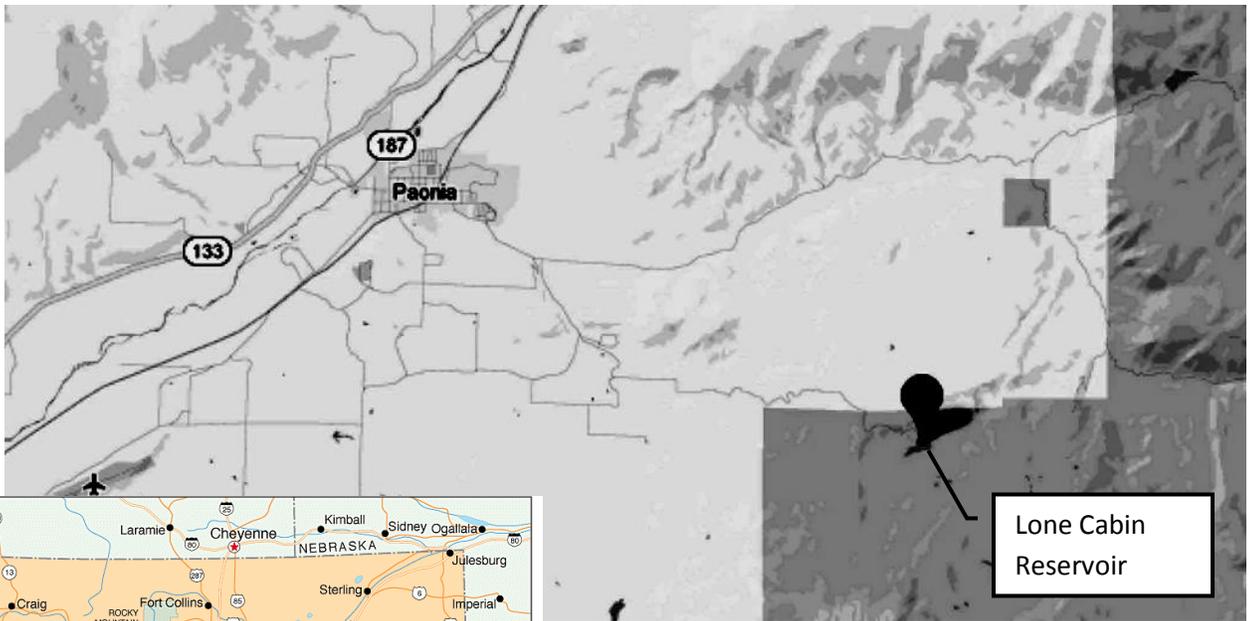


Water Project Loan Program Project Data Sheet

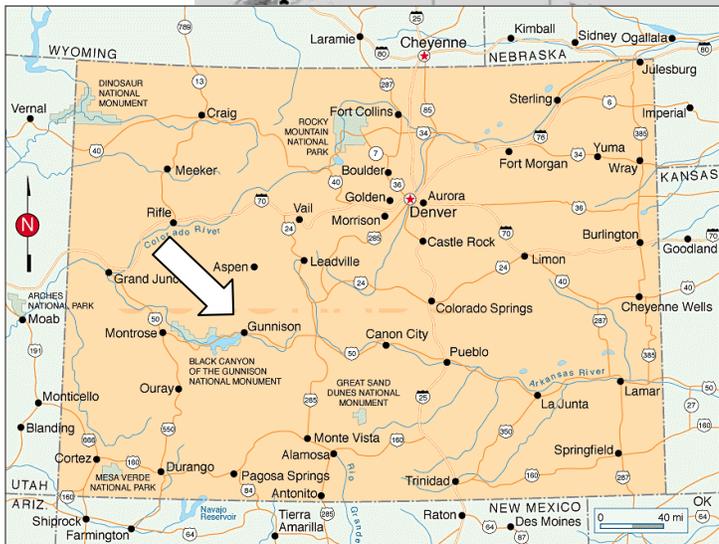
C150361

Borrower:	Lone Cabin Ditch and Reservoir Company	County:	Delta
Project Name:	Lone Cabin Dam Rehabilitation Project	Project Type:	Dam Rehabilitation
Drainage Basin:	Gunnison / District 40	Water Source:	Minnesota Creek
Total Project Cost:	\$334,300	Funding Source:	Construction Fund, WSRG Grant
Type of Borrower:	Agricultural	Avg. Annual Diversion:	950 AF
CWCB Loan:	\$252,800 (inc. 1% Service Fee)	Interest Rate:	1.75% Term: 30yr

The Company provides irrigation water storage for 18 farms located on Lamborn Mesa approximately 5 miles southeast of Paonia, CO. The reservoir has a storage capacity of 163 acre-feet; however it is currently restricted by the State Engineer’s Office to a storage level 20-feet below the dam crest due to slumping of the downstream face of the dam. The Company hired Buckhorn Geotech to investigate the slump.



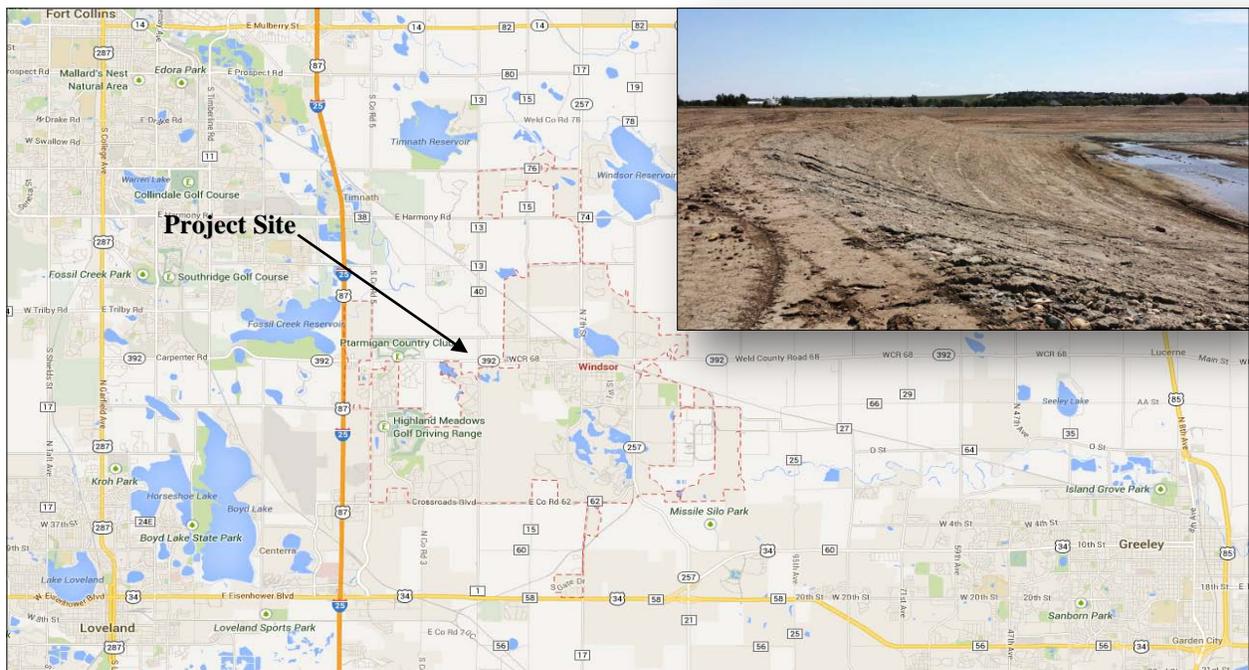
Lone Cabin Reservoir



CWCB Water Project Loan Program Project Data Sheet

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**

C150362

Borrower: Greeley and Loveland Irrigation Company

County: Larimer

Project Name: Irrigation System Improvements

Project Type: Reservoir Rehabilitation

Drainage Basin/ District: South Platte / 4

Water Source: Big Thompson River

Total Project Cost: \$3,470,000

Funding Source: Construction Fund

Type of Borrower: Agricultural

Average Annual Diversion: 45,000 AF

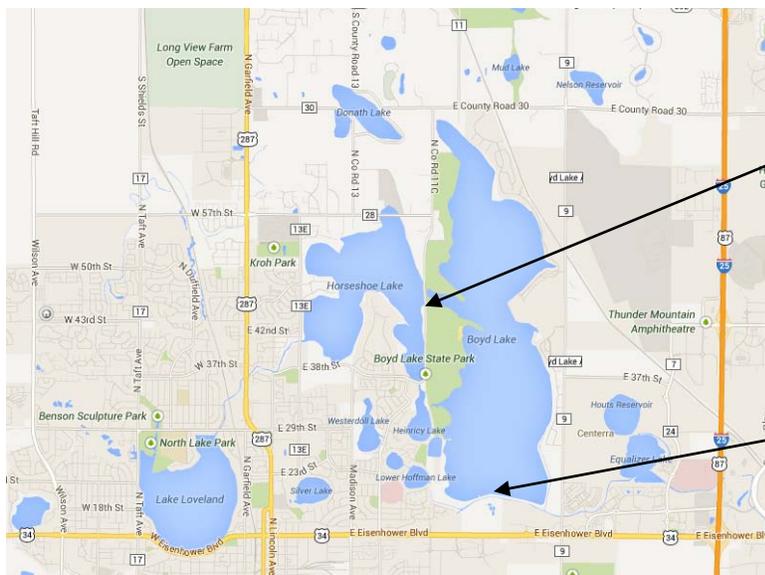
CWCB Loan: \$3,154,230
(with 1% service fee)

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

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

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

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



Existing Horseshoe Lake High-Level Outlet

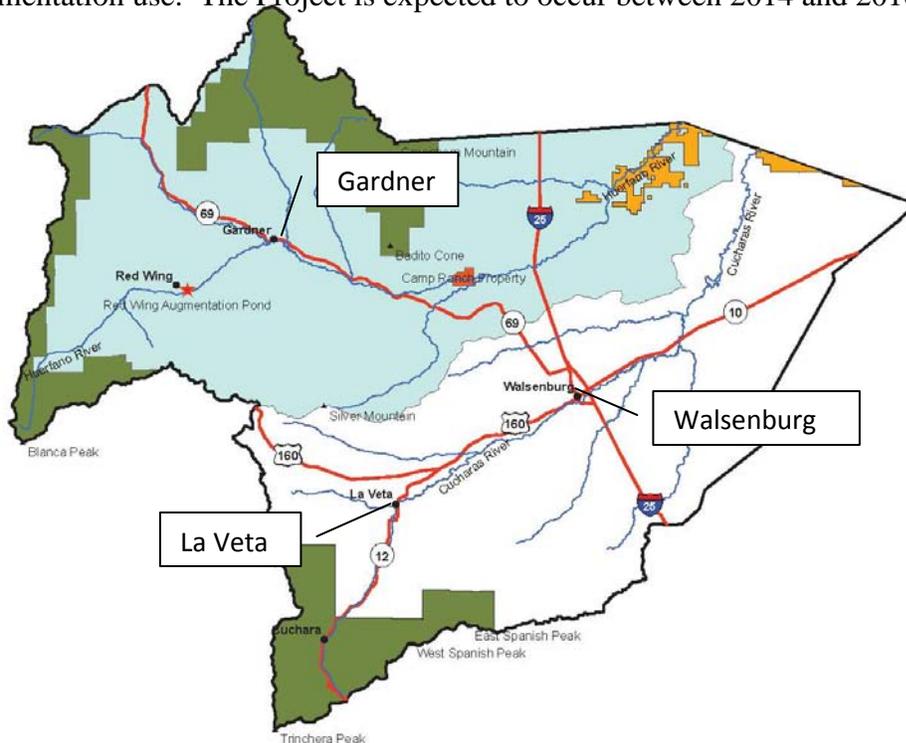


Existing Boyd Lake High-Level Outlet

**Water Project 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.

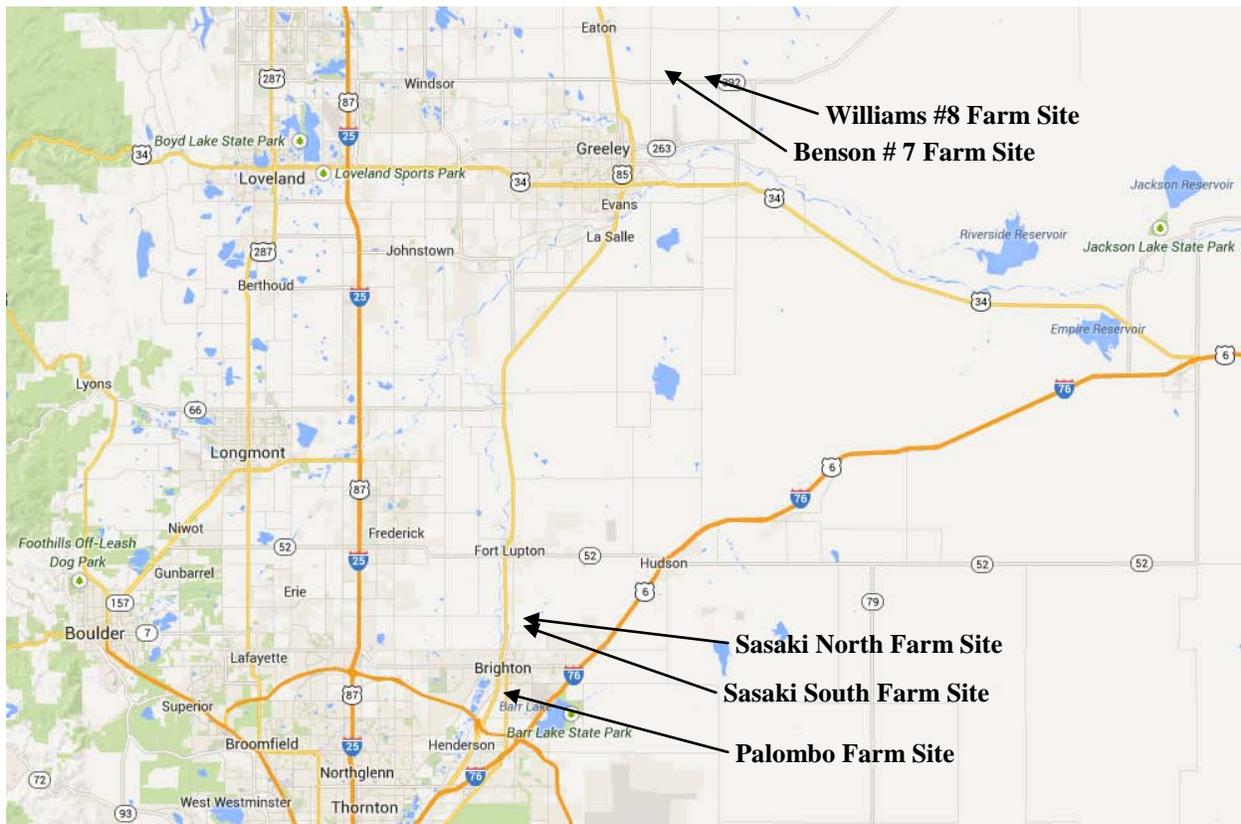


**CWCB Water Project Loan Program
Project Data Sheet**

C150363

Borrower: Petrocco Family Limited Partnership	County: Adams/Weld
Project Name: Water Rights Purchase	Project Type: Water Rights Purchase
Drainage Basin/ District: South Platte / 2,3	Water Source: South Platte River Cache la Poudre River
Total Project Cost: \$925,000	Funding Source: Construction Fund
Type of Borrower: Agricultural	Average Annual Diversion: 3,000 AF
CWCB Loan: \$840,825 (with 1% service fee)	Interest Rate: 1.50% Term: 20-years

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



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

C150378

Borrower: North Poudre Irrigation Company

County: Larimer

Project Name: Reservoir No. 4 Rehabilitation

Project Type: Reservoir Rehabilitation

Drainage Basin/ District: South Platte / 3

Water Source: Cache la Poudre

Total Project Cost: \$1,800,000

Funding Source: Construction Fund

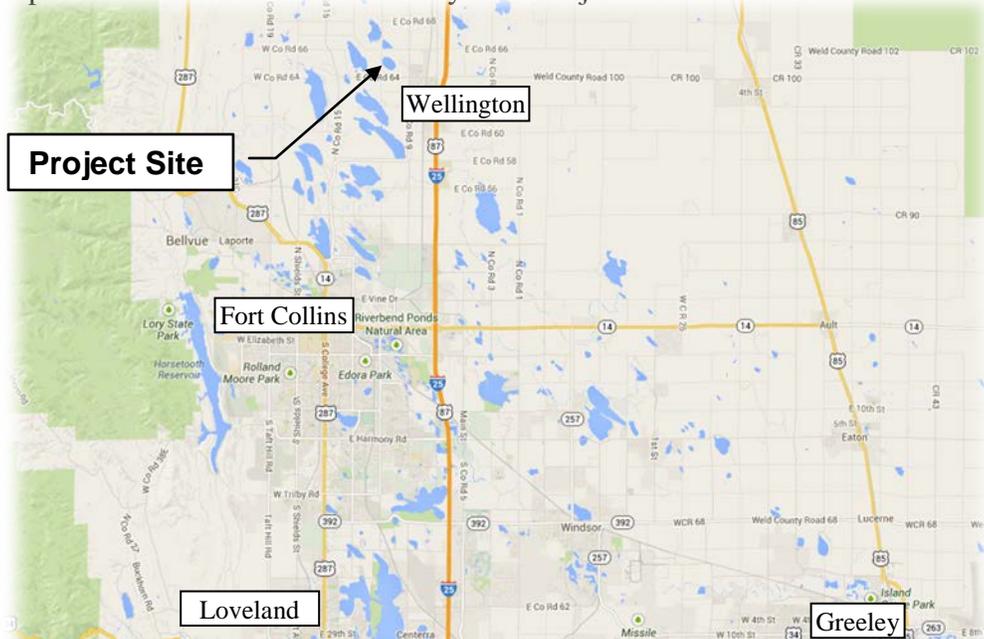
Type of Borrower: Blended

Average Annual Diversion: 44,400 AF

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

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

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



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

C150379

Borrower: Wadley Farms Filing No. 3
Homeowner's Association

County: Adams

Project Name: Water Rights Purchase

Project Type: Water Rights Purchase

Drainage Basin/ District: South Platte / 7

Water Source: Clear Creek

Total Project Cost: \$800,000

Funding Source: Construction Fund

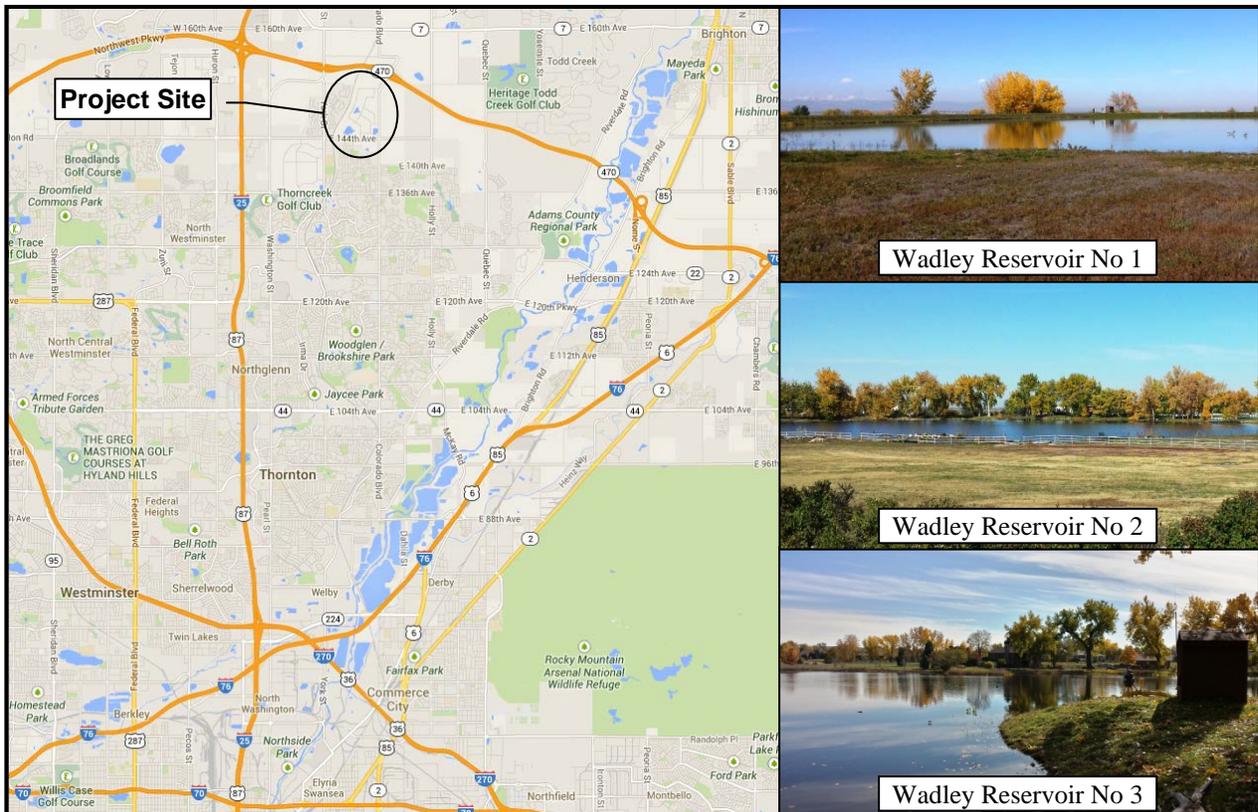
Type of Borrower: Mid-Income Municipal

Average Annual Delivery: 128.5 AF

CWCB Loan: \$727,200
(with 1% service fee)

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

The Wadley Farms Filing No. 3 Homeowner's Association was incorporated in 1982 and is responsible for providing Wadley Farms Filing No. 3 subdivision with a raw water irrigation and fire protection system. The subdivision is located in unincorporated Adams County near 144th Ave and Colorado Blvd in the north Denver Metropolitan area and has 109 large acre residential lots. The purpose of the Project is to increase the reliability of the Association's irrigation and fire protection raw water system by purchasing two shares of the Farmer's High Line Canal and Reservoir Company to add to the Association's portfolio of three shares of the same company. Water is stored in three storage reservoirs and is delivered through a pressurized underground pipe system to individual lots.



**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

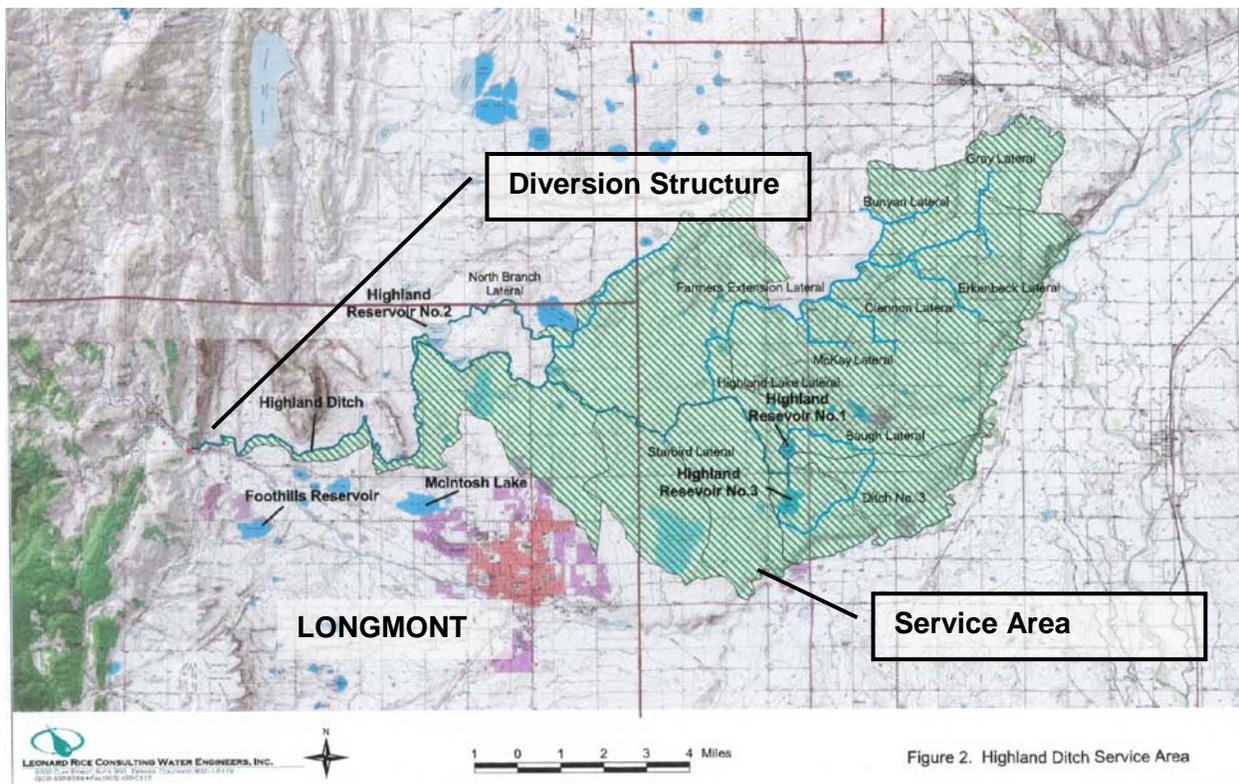
Type of Borrower: Blended

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.



**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

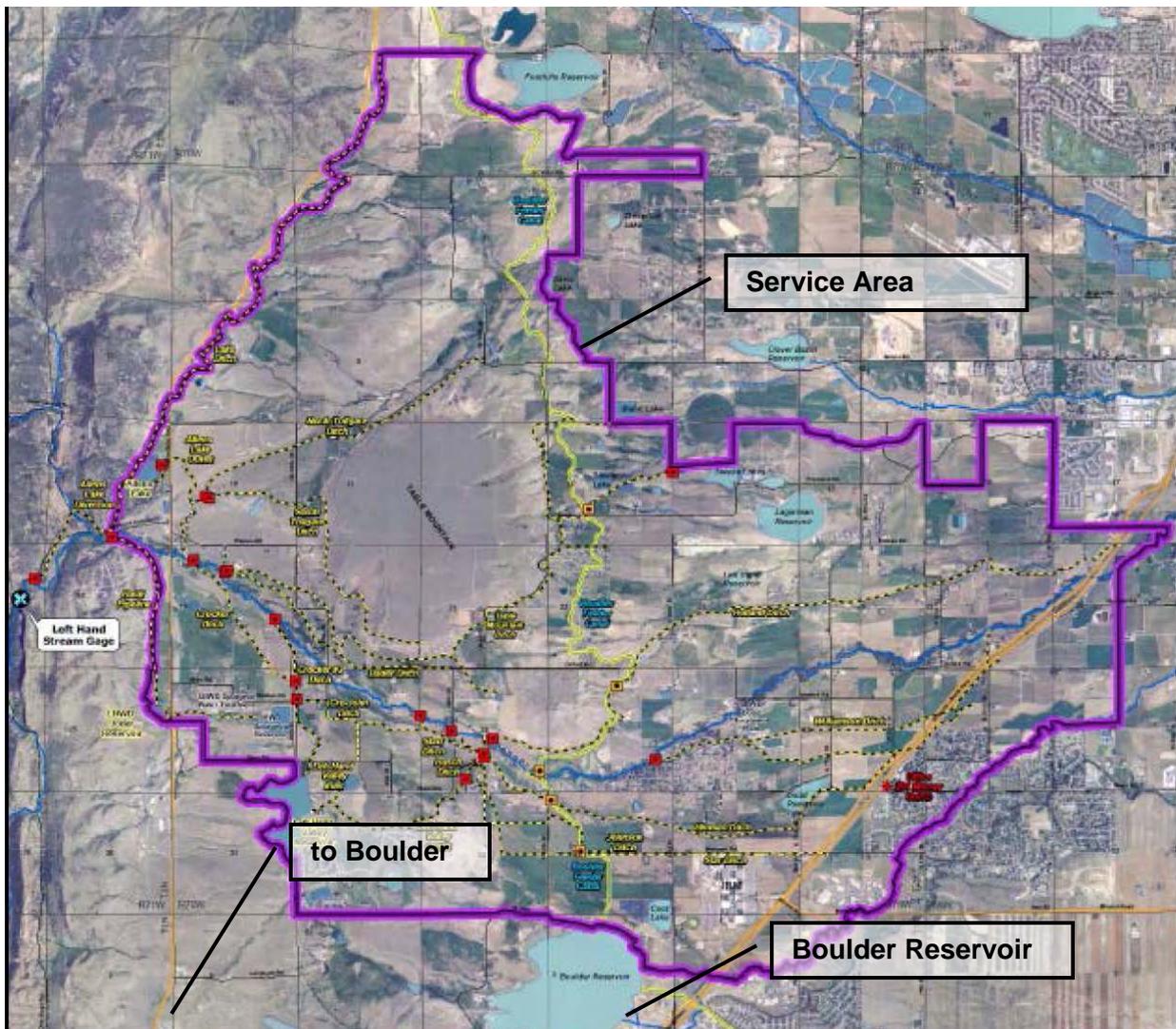
Type of Borrower: Blended

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**

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

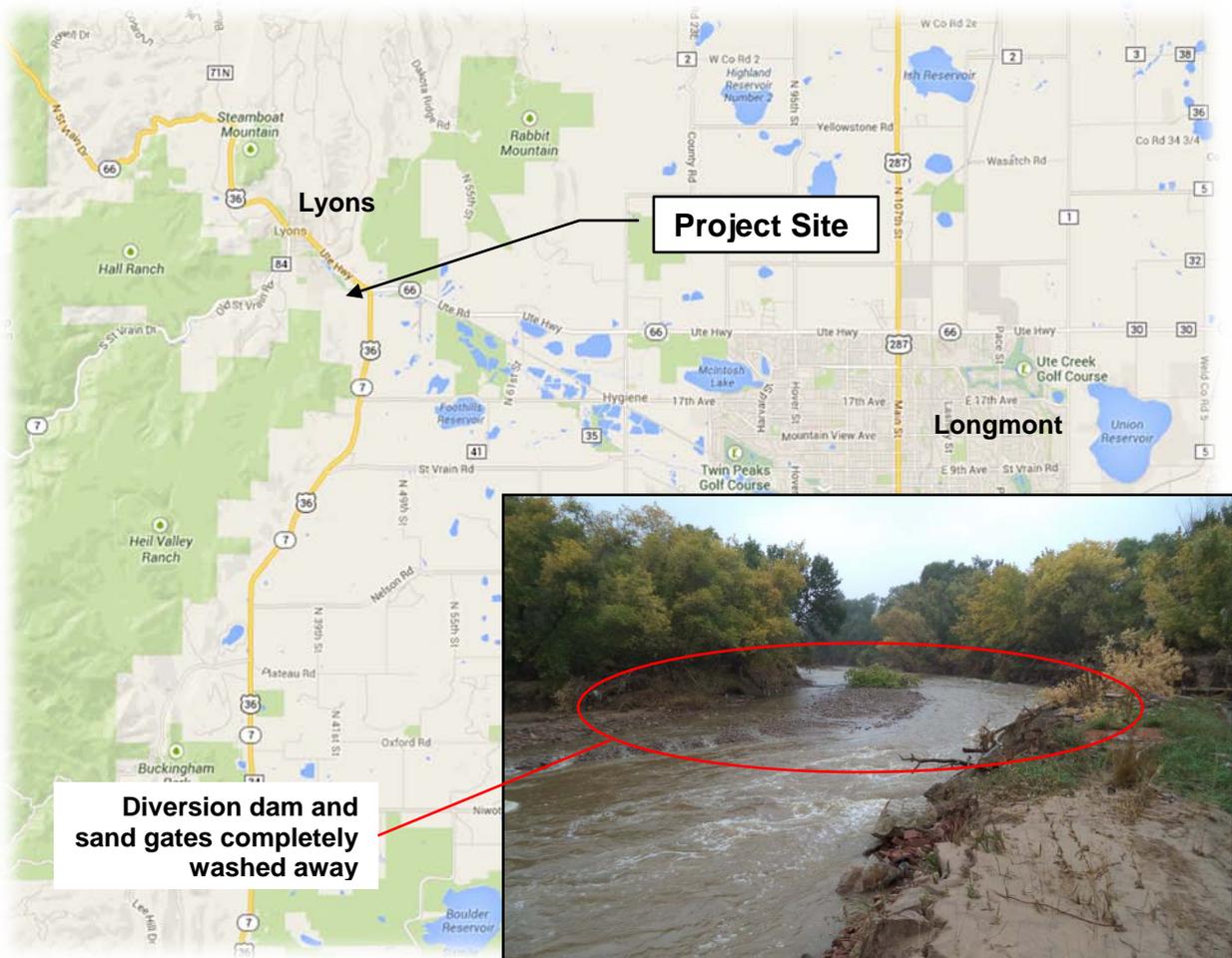
Type of Borrower: Blended

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**

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**

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

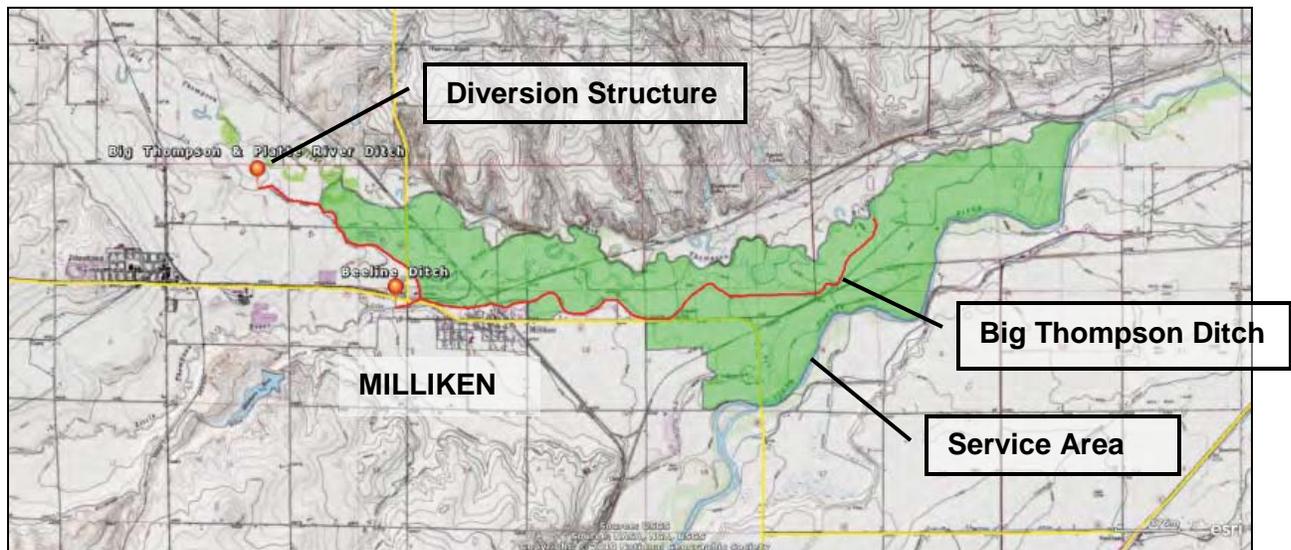
Type of Borrower: Blended

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**

C150374

Borrower: Boulder & Larimer County
Irrigating & Manufacturing Ditch Company
Project Name: Boulder & Larimer Diversion
Structure Repair
Drainage Basin/ District: South Platte / 4

County: Boulder & Larimer
Project Type: Diversion Rehabilitation

Total Project Cost: \$200,000

Water Source: Big Thompson River

Type of Borrower: Blended Rate

Funding Source: Severance Tax PBF

Average Annual Diversion: 4,500 AF

CWCB Loan: \$202,000
(with 1% service fee)

Interest Rate: 1.90% **Term:** 30-years
(81% Ag, 19% Mid)

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 Project includes the repair of the diversion structure and Ish Reservoir Inlet: The scope of work for the diversion structure repairs involves removing debris from the dam and inlet 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 inlet washout repairs involves creating a new path for the Company's ditch through this area. This will involve creating a permanent foundation secured to bedrock and building a new water conveyance system on top of this foundation.



Service Area for the Old Ish aka Boulder and Larimer Ditch Company

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

Borrower: Ish Reservoir Company

County: Boulder

Project Name: Inlet Ditch & Diversion
Structure Repair

Project Type: Diversion Rehabilitation

Drainage Basin/ District: South Platte / 6

Water Source: Little Thompson River

Total Project Cost: \$205,000

Funding Source: Severance Tax PBF

Type of Borrower: Blended

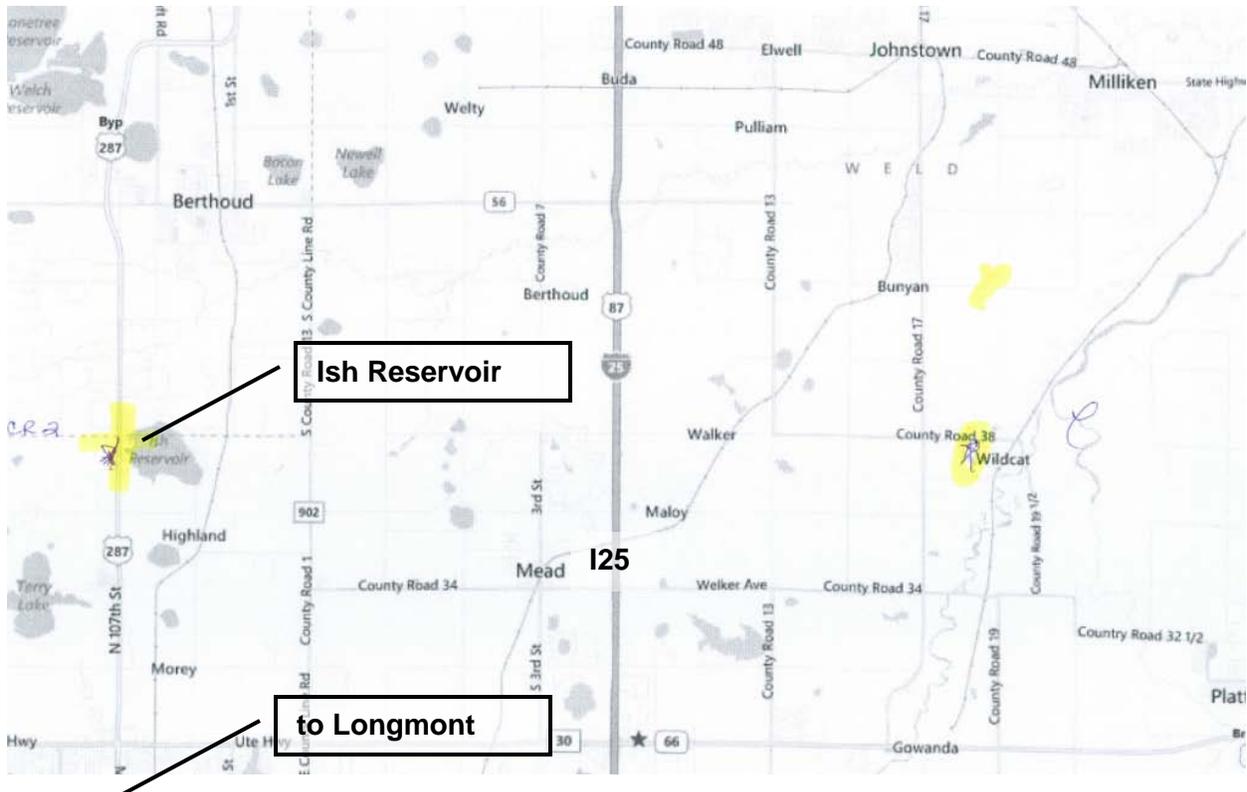
Average Annual Diversion: 4,500 AF

CWCB Loan: \$207,050
(with 1% service fee)

Interest Rate: 1.75% **Term:** 30-years
(99% Ag, <1% Mid, <1% Com)

Project consists of the repair of the diversion structure and Ish Reservoir inlet. The scope of work for the diversion structure involves removing debris from the dam and inlet 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 inlet washout repairs involves creating a new path for the Company's ditch through this area. This involves creating a permanent foundation secured to bedrock and building a new water conveyance system on top of this foundation.



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

C150375

Borrower: Consolidated Home Supply Ditch
& Reservoir Company

County: Larimer

Project Name: Big Dam Diversion Structure
Repair

Project Type: Diversion Rehabilitation

Drainage Basin/ District: South Platte / 4

Water Source: Big Thompson River

Total Project Cost: \$1,600,000

Funding Source: Severance Tax PBF

Type of Borrower: Blended

Average Annual Diversion: 22,000 AF

CWCB Loan: \$1,616,000
(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 "Big Dam" diversion structure. During the flood, the top five feet of the masonry 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.



**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

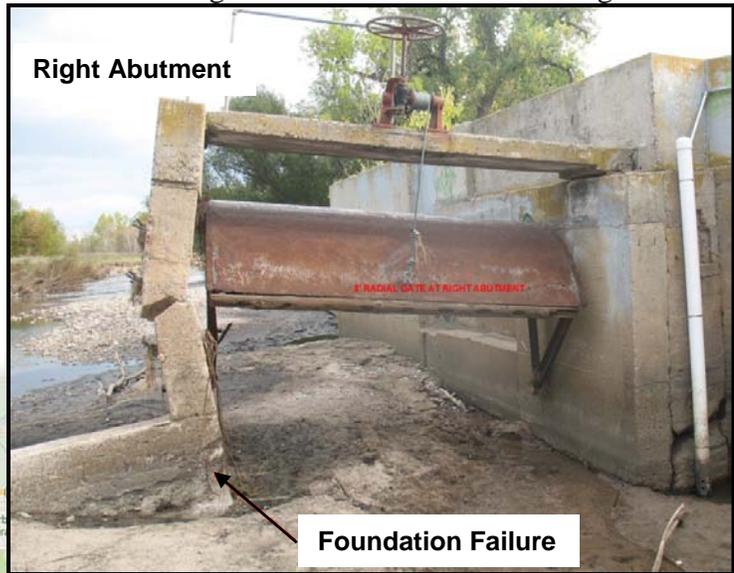
Type of Borrower: Blended

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**

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

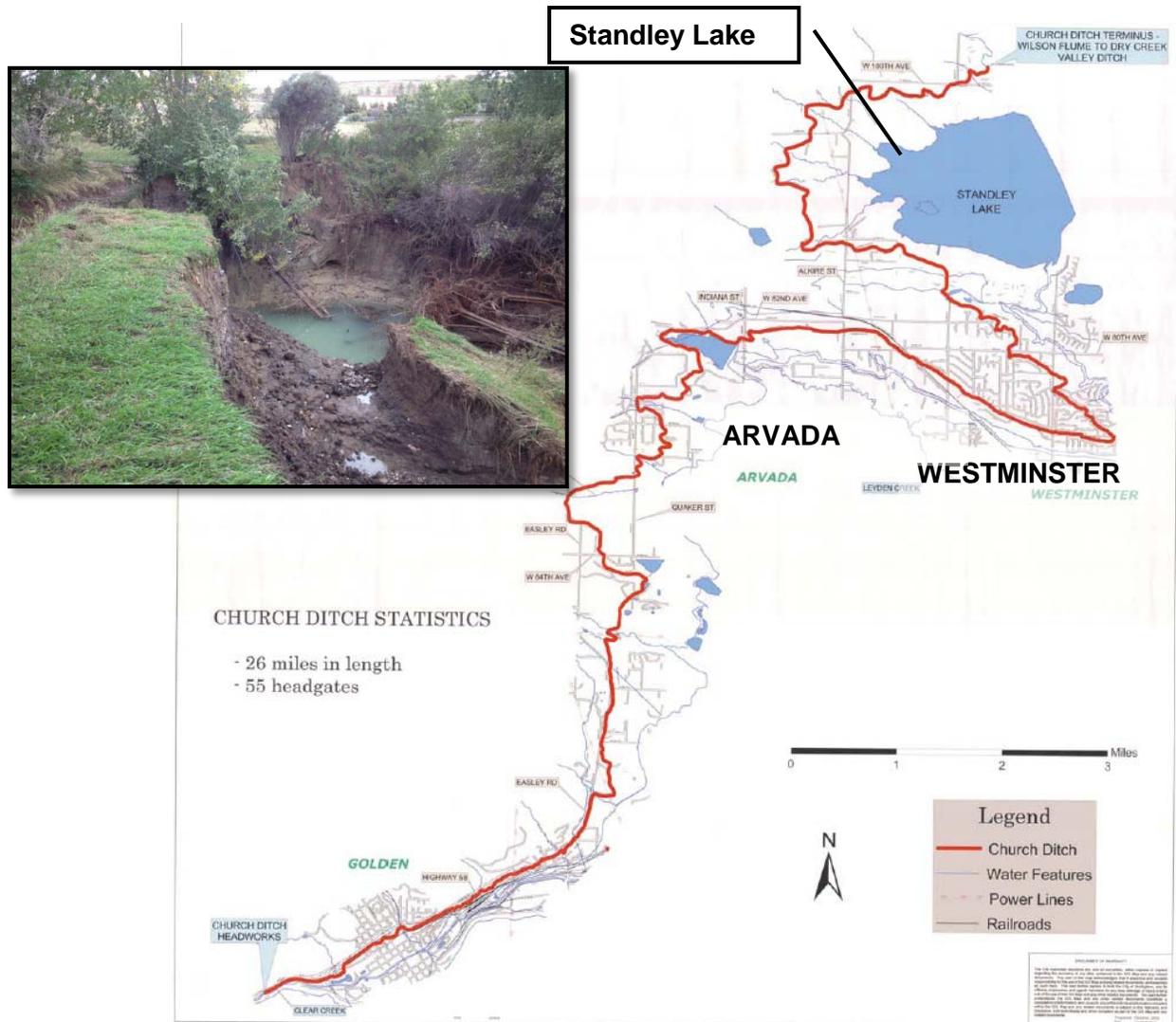
Type of Borrower: Blended

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.



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

C150381

Borrower: Union Ditch Company

County: Weld

Project Name: Emergency Union Ditch Repair

Project Type: Ditch Rehabilitation

Drainage Basin/ District: South Platte / 2

Water Source: South Platte River

Total Project Cost: \$200,000

Funding Source: Severance Tax PBF

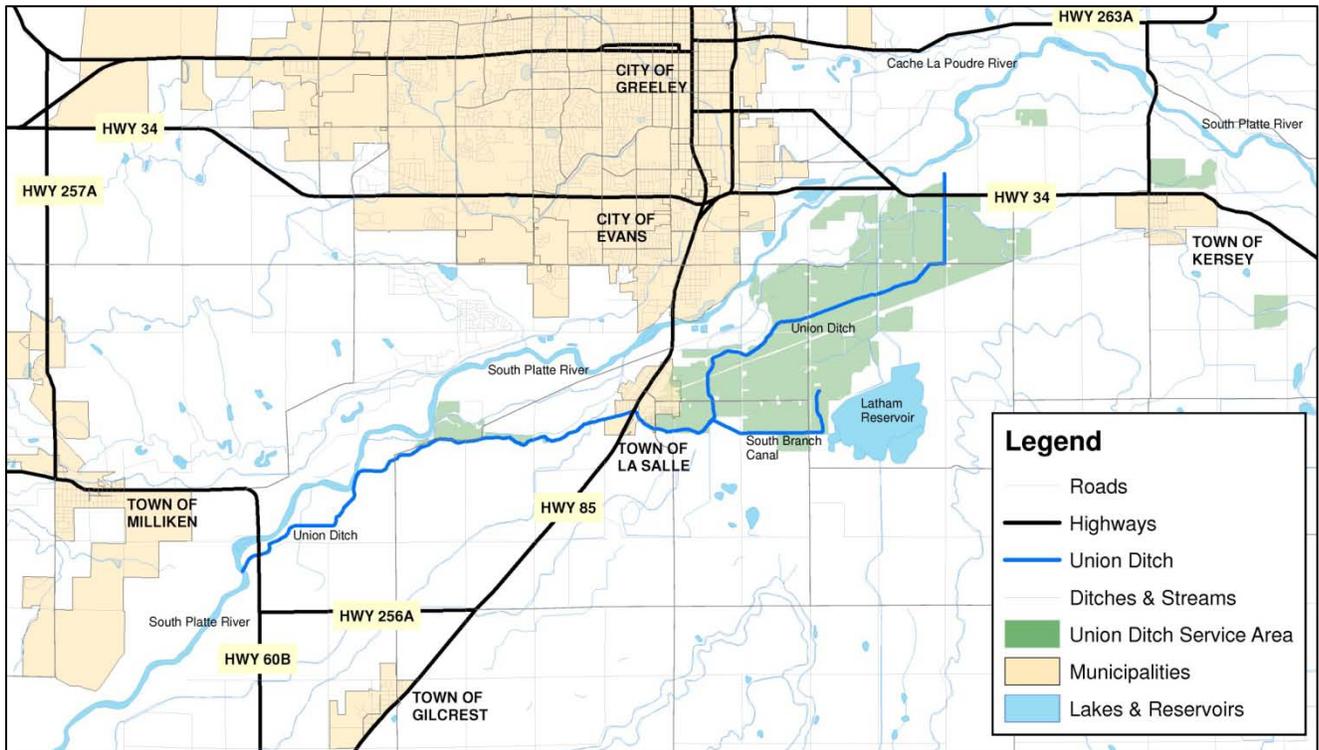
Type of Borrower: Blended

Average Annual Diversion: 25,391 AF

CWCB Loan: \$202,000
(with 1% service fee)

Interest Rate: 1.80% **Term:** 30-years
(94% Ag, 6% Middle Income)

The Union Ditch diverts water from the South Platte River just downstream of the confluence with the St.Vrain River. The earthen ditch provides irrigation water to approximately 60 farms in the LaSalle area, and also serves as a bypass around the Latham Ditch dry-up point on the South Platte River. Repair to the Ditch include: steam bank armoring near the structure, headgate control building repair, cleaning and ditch bank restoration, Hwy 394 riprap work, emergency spillway area work, and ditch work around the bypass structure.



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

C150384

Borrower: Davidson Ditch
& Reservoir Company
Project Name: Emergency Davidson
Ditch Lining
Drainage Basin/ District: South Platte / 6
Total Project Cost: \$37,000
Type of Borrower: Blended
CWCB Loan: \$37,370
(with 1% service fee)

County: Boulder
Project Type: Ditch Rehabilitation
Water Source: South Boulder Creek
Funding Source: Severance Tax PBF
Average Annual Diversion: 354 AF
Interest Rate: 2.45% **Term:** 30-years
(41% Ag, 59% High-Income Municipal)

The Davidson Ditch carries decreed water to the shareholders and municipalities from its head gate on South Boulder Creek in Eldorado Canyon next to the Dowdy Draw trailhead parking lot. The ditch crosses highway 93 just south of Eldorado Springs Drive and runs alongside Marshall Road, then runs north on the west side of the Davidson Mesa. During the September 2013 flood event a section of the ditch below Eldorado Springs failed. The breached section must be repaired before spring irrigation can begin.



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

C150385

Borrower: Beeman Irrigating Ditch and Milling Company

County: Weld

Project Name: Emergency Beeman Diversion Dam Repair

Project Type: Diversion Rehabilitation

Drainage Basin/ District: South Platte / 2

Water Source: South Platte River

Total Project Cost: \$2,000,000

Funding Source: Severance Tax PBF

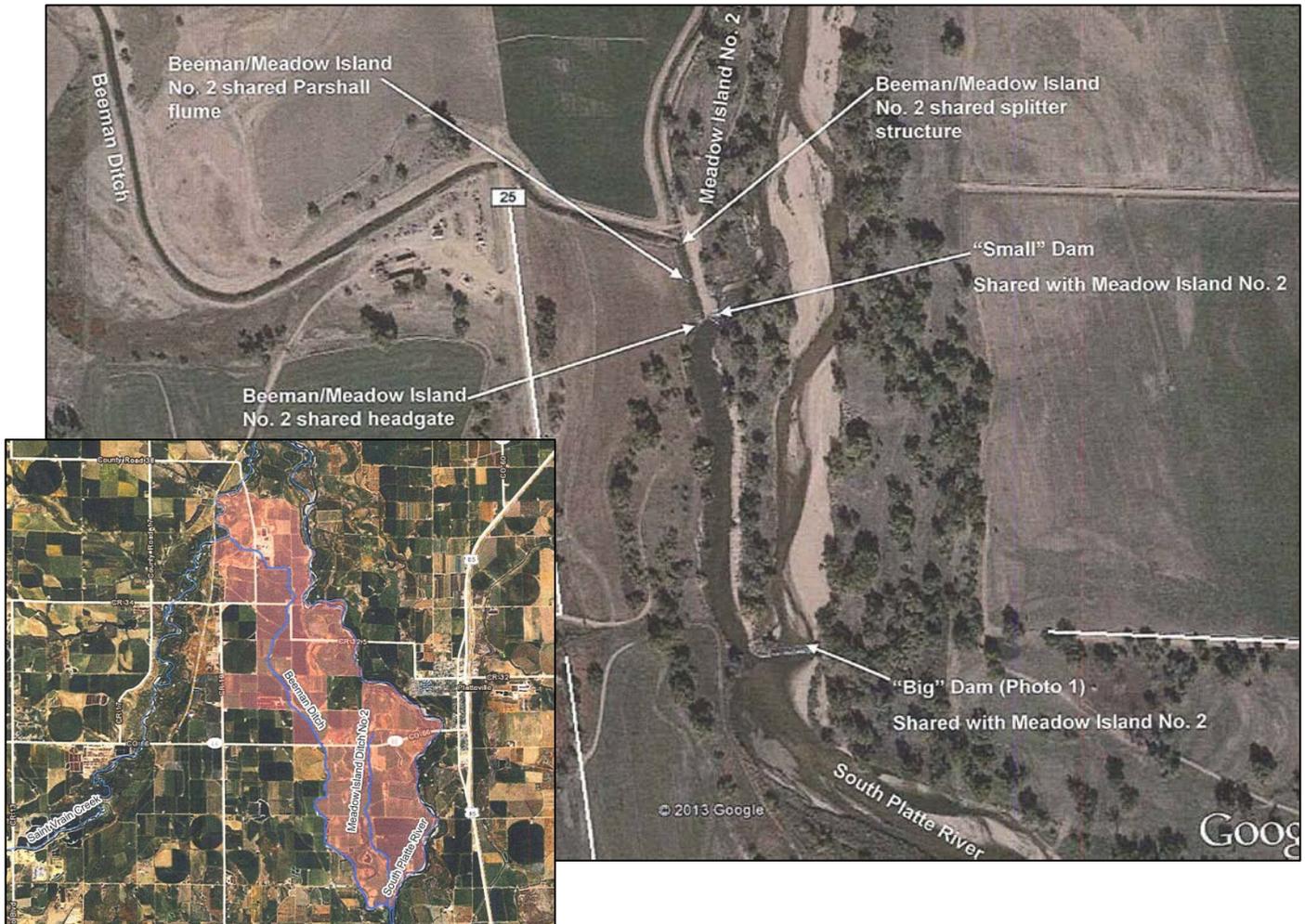
Type of Borrower: Agricultural

Average Annual Diversion: 10,586 AF

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

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

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



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

C150380

Borrower: Consolidated Home Supply Ditch
& Reservoir Company

County: Larimer

Project Name: George Rist Ditch Repair

Project Type: Ditch Rehabilitation

Drainage Basin/ District: South Platte / 4

Water Source: Big Thompson River

Total Project Cost: \$444,000

Funding Source: Severance Tax PBF

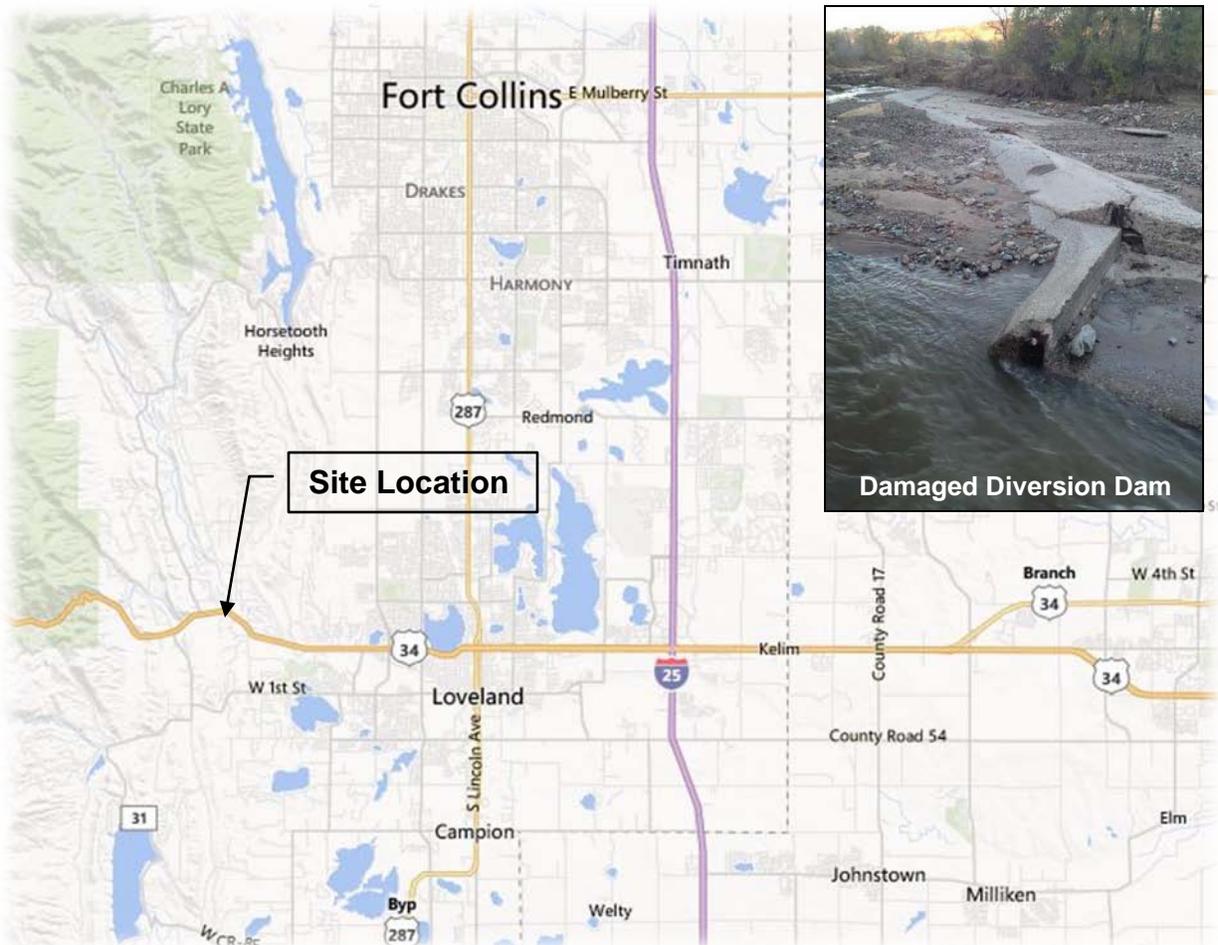
Type of Borrower: Blended

Average Annual Diversion: 22,000 AF

CWCB Loan: \$448,440
(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 was 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.



**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**

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

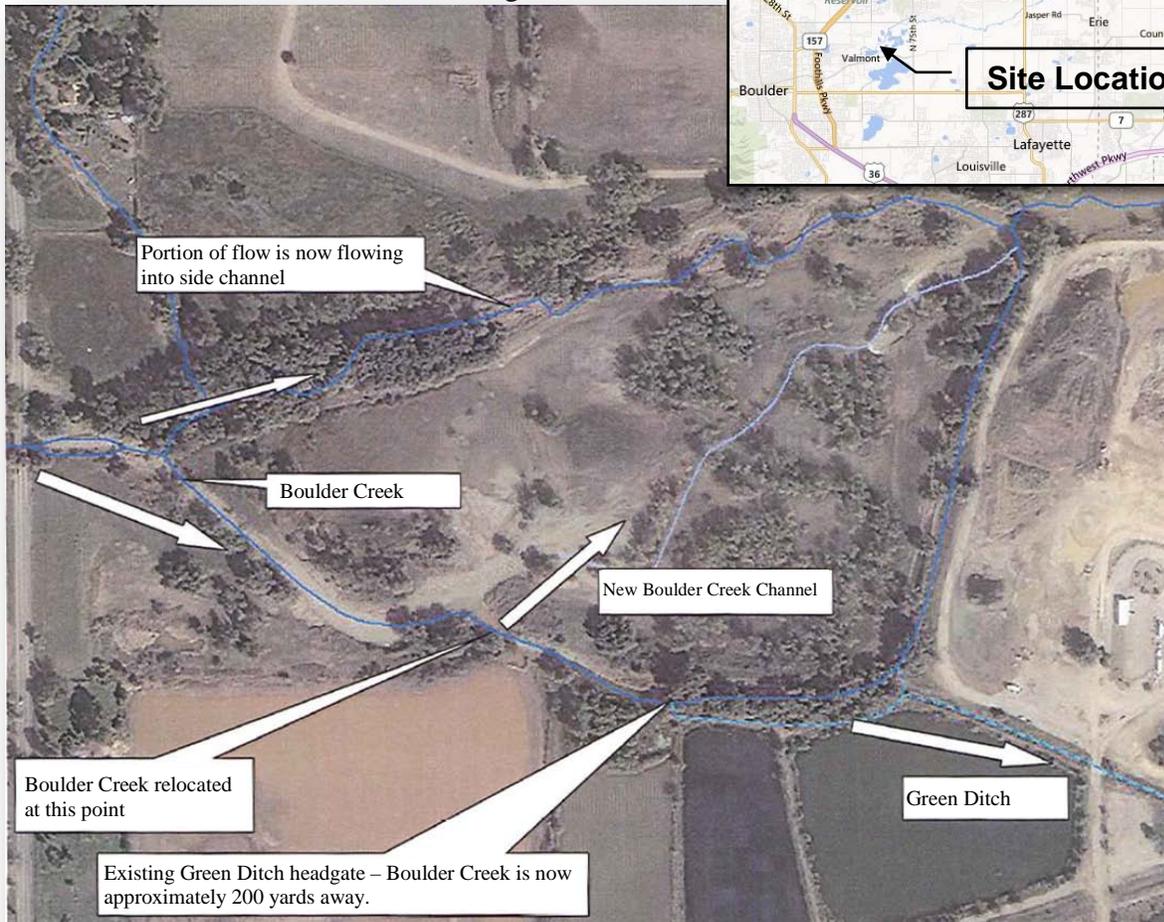
Type of Borrower: Blended

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**

C150387

Borrower: City of Evans, Water Activity
Enterprise

County: Weld

Project Name: Emergency Evans
Town Ditch Repairs

Project Type: Ditch Rehabilitation

Drainage Basin/ District: South Platte / 4

Water Source: Big Thompson

Total Project Cost: \$715,000

Funding Source: Severance Tax PBF

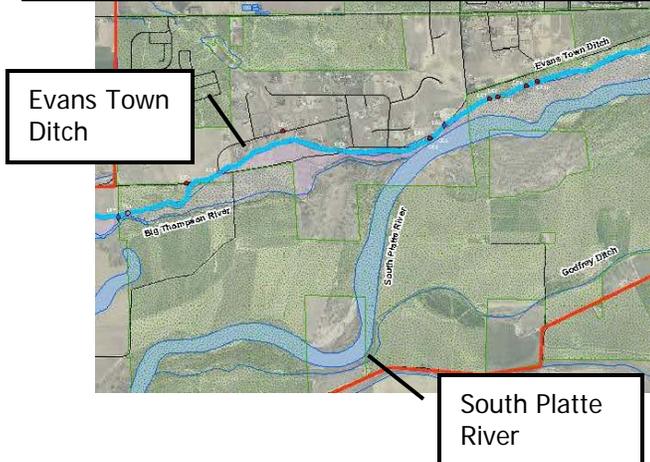
Type of Borrower: Blended

Average Annual Diversion: 8,151 AF

CWCB Loan: \$722,150
(with 1% service fee)

Interest Rate: 2.75% **Term:** 30-years
(Middle-Income Municipal)

The Evans Town Ditch was constructed in the 1880's. It is the 6th oldest ditch system in the State of Colorado. The original purpose of the ditch was to transport water for irrigation purposes to the Town of Evans and adjoining farms. Today, the ditch serves 59 users and provides non-potable water for irrigation to residences, businesses, parks, city buildings, open space and school grounds. The ditch also provides water to two small agricultural irrigation companies for nearby farms. The September 2013 flood caused wide-spread flooding to the Big Thompson River upstream of Evans resulting in very high flows and massive amounts of debris and silt which have damaged the Evans Ditch, its diversion structures and controls, and the headworks access road.



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

C150388

Borrower: Zweck and Turner Ditch Company	County: Boulder
Project Name: Zweck and Turner Ditch Repair	Project Type: Ditch Rehabilitation
Drainage Basin/ District: South Platte / 5	Water Source: St. Vrain Creek
Total Project Cost: \$362,500	Funding Source: Severance Tax PBF
Type of Borrower: Blended	Average Annual Diversion: 2,200 AF
CWCB Loan: \$252,500 (with 1% service fee)	Interest Rate: 2.25% Term: 30-years (52% Ag, 34% Mid, 14% 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 Culver Mahoney Ditch. During the flood, the St. Vrain Creek left the river banks upstream from the ditch and flowed through a series of gravel pit ponds. As these pond embankments failed, significant erosion destroyed large portions of the Zweck and Turner Ditch. The purpose of the Project is to repair the ditch to allow the Company to deliver its decreed water rights.



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

C150389

Borrower: Haldi Ditch Company

County: Boulder

Project Name: Emergency Haldi Ditch Repair

Project Type: Ditch Rehabilitation

Drainage Basin/ District: South Platte / 5

Water Source: Left Hand Creek

Total Project Cost: \$343,000

Funding Source: Severance Tax PBF

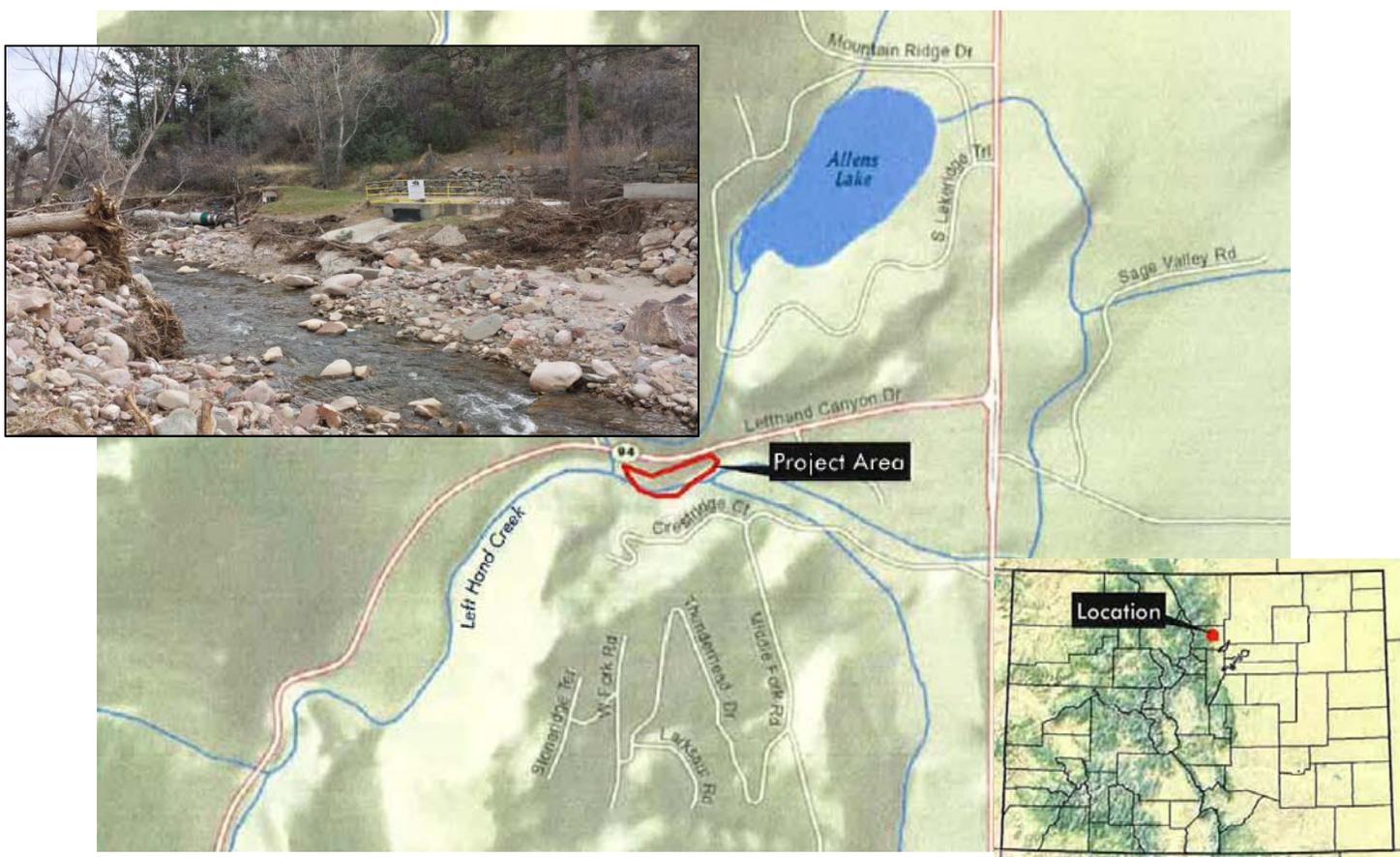
Type of Borrower: Agricultural/Municipal

Average Annual Diversion: 3,000 AF

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

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

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



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

C150390

Borrower: Culver Lateral Ditch Company

County: Boulder/Larimer

Project Name: Culver Mahoney Ditch Repair

Project Type: Ditch Rehabilitation

Drainage Basin/ District: South Platte / 4

Water Source: Little Thompson River

Total Project Cost: \$150,000

Funding Source: Severance Tax PBF

Type of Borrower: Blended

Average Annual Diversion: 1,200 AF

CWCB Loan: \$151,500
(with 1% service fee)

Interest Rate: 2.30% **Term:** 30-years
(41% Ag, 59% Mid)

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 Culver Mahoney Ditch. During the flood, the diversion dam, headgate structure, sand gates, measurement flume, and recording structure were damaged. 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.

