



**COLORADO**

Colorado Water  
Conservation Board

Department of Natural Resources

## Colorado Water Conservation Board

# Water Plan

### Water Project Summary

Name of Applicant	Thompson Glen Ditch	
Name of Water Project	Thompson Glen Ditch Improvement Project	
Grant Request Amount		<b>\$64,472.00</b>
Primary Category		\$64,472.00
<i>Agricultural Projects</i>		
Total Applicant Match		<b>\$64,472.00</b>
<i>Applicant Cash Match</i>		\$64,472.00
<i>Applicant In-Kind Match</i>		
Total Other Sources of Funding		<b>\$0.00</b>
Total Project Cost		<b>\$128,944.00</b>

### Applicant & Grantee Information

Name of Grantee: Thompson Glen Ditch  
Mailing Address: PO Box 2794 Glenwood Springs CO 81602  
FEIN: 840,212,608

Organization Contact: Mike Goscha  
Position/Title: Email: mikegoscha@gmail.com  
Phone: (970) 274-3223

Grant Management Contact: Mike Goscha  
Position/Title: Email: mikegoscha@gmail.com  
Phone: (970) 274-3223

### Description of Grantee/Applicant

No description provided

### Type of Eligible Entity

- Public (Government)
- Public (District)
- Public (Municipality)
- Ditch Company
- Private Incorporated
- Private Individual, Partnership, or Sole Proprietor
- Non-governmental Organization
- Covered Entity
- Other

## Category of Water Project

- Agricultural Projects  
*Developing communications materials that specifically work with and educate the agricultural community on headwater restoration, identifying the state of the science of this type of work to assist agricultural users among others.*
- Conservation & Land Use Planning  
*Activities and projects that implement long-term strategies for conservation, land use, and drought planning.*
- Engagement & Innovation Activities  
*Activities and projects that support water education, outreach, and innovation efforts. Please fill out the Supplemental Application on the website.*
- Watershed Restoration & Recreation  
*Projects that promote watershed health, environmental health, and recreation.*
- Water Storage & Supply  
*Projects that facilitate the development of additional storage, artificial aquifer recharge, and dredging existing reservoirs to restore the reservoirs' full decreed capacity and Multi-beneficial projects and those projects identified in basin implementation plans to address the water supply and demand gap.*

## Location of Water Project

Latitude	39.415199
Longitude	-107.226327
Lat Long Flag	
Water Source	Roaring Fork
Basins	Colorado
Counties	Garfield
Districts	

## Water Project Overview

Major Water Use Type	Agricultural
Type of Water Project	Construction / Implementation
Scheduled Start Date - Design	
Scheduled Start Date - Construction	5/1/2024

### Description

The Thompson Glen Ditch plans to replace a 400-foot steel culvert with 400 feet of HDPE pipe. An outlet pipe owned by the Colorado Department of Transportation drains stormwater around the culvert, causing the ground to heave and push part of the culvert upwards. This project will remove the steel culvert and replace with a better material (HDPE) that can tolerate shifts with the soil and not break or heave. According to the ditch inventory completed by the Middle Colorado Stream Management Plan, the ditch irrigated approximately 1,250 acres of grass pasture. The ditch inventory points out that there are significant transit losses (50%) throughout the ditch system and portions of the ditch would benefit from being piped and lined, including sections where pipe has failed. The Ditch Company has been working with the Colorado Department of Transportation to help replace the pipe and fix the situation.

## Measurable Results

New Storage Created (acre-feet)  
New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive  
Existing Storage Preserved or Enhanced (acre-feet)

	New Storage Created (acre-feet)
	Length of Stream Restored or Protected (linear feet)
	Length of Pipe, Canal Built or Improved (linear feet)
	Efficiency Savings (dollars/year)
500	Efficiency Savings (acre-feet/year)
	Area of Restored or Preserved Habitat (acres)
	Quantity of Water Shared through Alternative Transfer Mechanisms or water sharing agreement (acre-feet)
	Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning
	Number of Coloradans Impacted by Engagement Activity
Other	
	1,250 irrigated acres preserved

### Water Project Justification

Replacing and upgrading the steel culvert to HDPE pipe will address seepage losses on the ditch and the heave in the pipe is so significant that irrigation water backs up in the ditch. This issue has made delivering irrigation water the past few years difficult to the point that deliveries cannot even be made to some users at the end of the system. This project will reduce losses, improve efficiency, and allow the ditch company to deliver water to all users again. This project and that outcome is in line with the goal of the Colorado River Basin Implementation Plan to “protect and preserve agricultural lands” and the Colorado Water Plan for “improvements to agricultural diversion and conveyance infrastructure can increase water delivery to farms and increase predictability of deliveries.”

The Thompson Glen Ditch also participated in the Middle Colorado Conservation District’s ditch inventory, which was also funded by the Colorado Water Conservation Board. The intent of that project was to investigate the issues affecting ditches in the area and provide assessments that can be used by individual ditch companies to apply for funding.

This project will also provide a long-term solution to the Colorado Department of Transportation’s outflow that is current causing the instability under the ditch and the road. The new drain system will mitigate future heaving and subsidence from poor drainage.

### Related Studies

The Thompson Glen ditch (also known as the Glenwood Ditch) was part of the stream management effort in the Middle Colorado and involved in the ditch inventory completed by Colorado River Engineering on behalf of the Middle Colorado Conservation Districts.

### Taxpayer Bill of Rights

No Tax Bill of Rights provided