

## **Colorado Water Conservation Board**

# **Water Plan**

Water Project Summary		
Name of Applicant	University of Colorado Boulder	
Name of Water Project	Advanced Natural Resources Field Seminar - Law of the Colorado River 24	
Grant Request Amount	\$21,314.00	
Primary Category	\$21,314.00	
Engagement & Innovation Activities		
Total Applicant Match	\$109,622.00	
Applicant Cash Match	\$109,622.00	
Applicant In-Kind Match	\$0.00	
Total Other Sources of Funding	\$0.00	
Total Project Cost	\$130,936.00	

Applicant & Grantee Information		
Name of Grantee: University of Colorado Boulder Mailing Address: 572 UCB Boulder CO 80309-0001 FEIN: 846,000,555		
Organization Contact: Gregor MacGregor Position/Title: Teaching Assistant Professor Phone: 253-244-4879	Email: gregor.macgregor@colorado.edu	
Organization Contact - Alternate: Chris Winter Position/Title: Phone:	Email: chris.winter@colorado.edu	
Grant Management Contact: Gregor MacGregor Position/Title: Teaching Assistant Professor Phone: 253-244-4879	Email: gregor.macgregor@colorado.edu	
Grant Management Contact - Alternate: Amanda Roche Position/Title: Phone:	ette Email: amanda.rochette@colorado.edu	

# State/Public-controlled Institute of Higher Education

Type of Eligible Entity	
☐ Public (Government)	
☐ Public (District)	
☐ Public (Municipality)	

**Description of Grantee/Applicant** 

Ditch Company Private Incorporated Private Individual, Partnership, or Sole Proprietor Non-governmental Organization Covered Entity Other		
Ottlei		
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		

Watershed Restoration & Recreation
Projects that promote watershed health, environmental health, and recreation.

☐ Water Storage & Supply

Supplemental Application on the website.

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.

Activities and projects that support water education, outreach, and innovation efforts. Please fill out the

#### **Location of Water Project**

Latitude 40.003318 Longitude -105.262860

Lat Long Flag Other: Coordinates based on other boundaries or locations

Water Source N/A
Basins Colorado

Counties Districts

#### **Water Project Overview**

Major Water Use Type

Type of Water Project Education Scheduled Start Date - Design 7/1/2022

Scheduled Start Date - Construction

Description

This spring I will teach a field seminar called the Law of the Colorado River for the second time. During this course we will examine the major developments in water management on the Colorado – such as the various compacts, court cases, and federal infrastructure bills – as well as issues that intersect with the Colorado River like agriculture, public lands, tribal issues, environmental justice, and water law in Colorado. Two of the three credits are earned through intensive reading, discussion, research, and writing on campus. Each student is expected to write a publication length and quality paper on a topic of their choice related to the course material.

The final credit is earned during two weeks of rafting the Colorado River through the Grand Canyon with subject

matter experts. Each night of the trip, students present their research to the group and answer critical questions and receive feedback, along the lines of a dissertation defense. Based on the feedback, students complete their papers upon returning from the river and roughly 30% of them will publish them as articles in law reviews and other journals. The project will also be involved in public education efforts by giving presentations at professional events, community events, and small-format stakeholder meetings across Colorado's basins and tribal reservations.

Many graduates of the seminar have gone on to be water attorneys or hold roles adjacent to water issues in each of Colorado's basins, while others have taken roles in state and federal government. Students, and their employers, have been able to use their in-depth knowledge gained from the seminar to help their clients across the state of Colorado – magnifying the impact of their education.

#### 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)

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

260 Other

Number of Coloradans Impacted by Engagement Activity

- o Report on the student's growth, comprehension, and career plans.
- o 18 (depending on final student enrollment) scholarly papers related to the subject matter.
- o Report on the oral presentations given during the field portion of the seminar, feedback and impressions of subject matter experts and guides, as well as student feedback on the experience.
- o Report on outreach activities and feedback from participants.
- o Copies of public education presentations and recordings, where available.

#### **Water Project Justification**

Chapter 9.1 of Colorado's Water Plan (2015) aims to provide "technical and financial assistance for high-quality, balanced, and grassroots water education and outreach efforts that inform Coloradans about the issues so that they may engage in determining Colorado's water future." The 2023 update's Chapter 6 prioritizes engaging partners and integrating water sectors to achieve the Plan's vision for vibrant communities, robust agriculture, thriving watersheds, and resilient planning. Our project will develop new attorneys with a deep understanding of the water issues facing Colorado through an interdisciplinary and intersectional approach. These students will become catalysts for future direct partner actions to achieve the Water Plan's goals. The outreach component of the project will help Coloradans engage in determining the state's water future by sharing our expertise with water professionals, the general public, and government representatives at the tribal, state, and federal levels.

#### **Related Studies**

The project is complimentary with the educational and engagement goals and programs in the Colorado Water Plan, the educational goals in each Basin Implementation Plan, as well as the PEPO educational programs.

## **Taxpayer Bill of Rights**

Not Applicable.