

Next Generation Water Leaders

Final Report



POGG1 PDAA
202300003918

2023-2025

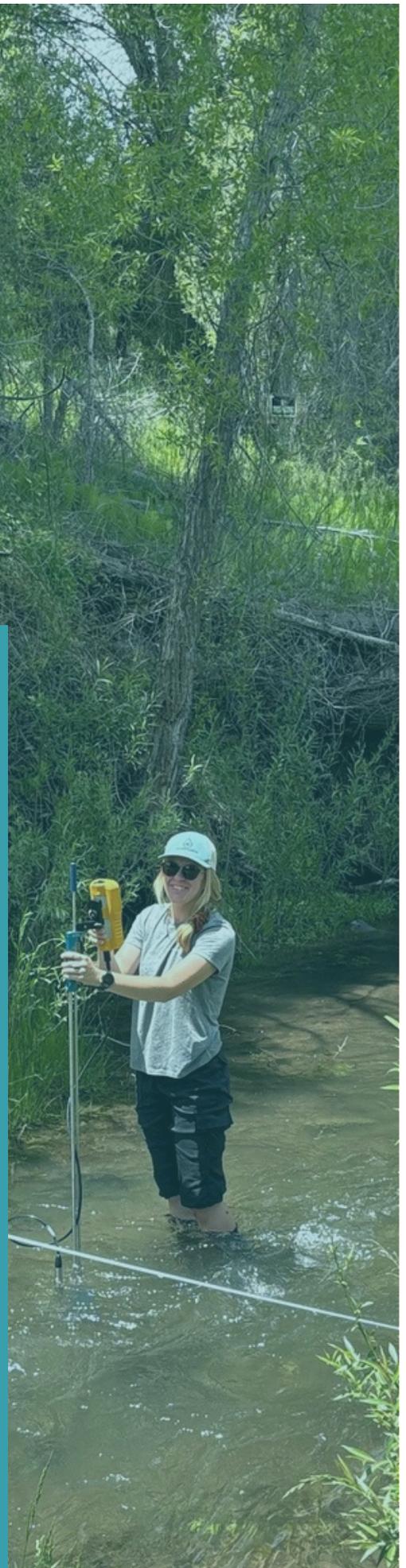


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Summary

River Science has worked with Colorado high schools since 2018 to offer hands-on education opportunities/experiences that leverage the local river's habitat, health, and processes to engage students' interest in watershed sciences and stewardship. Our early days included field trips to post-wildfire impacted streams, where the high school students could collect River Watch's water quality and ecology data to assess the post-fire and flood impacts. As these field trips continued and became more popular with students, the River Watch program's training certificate was approved in 2021 by the Colorado Department of Education's Career Invention Development Program (CDIP). This provided state and industry-recognized certificates to students who become trained in water quality data collection and provided some funding reimbursements to the schools to help cover their overheads.

In 2022, River Science's newly developed Hydrology and Watersheds curriculum was approved for CDIP. This curriculum taught students water quantity principals and data collection as well as the various social sciences involved in Colorado's Water.

In 2023, River Science saw the opportunity to expand these offerings statewide and to enhance partnerships, create better resources, and develop our teacher trainings. During this time, the dozens of brilliant students students with bright

futures participated. As we aimed to enhance and expand this program, it was clear that this program's purpose was to help the Next Generation Water Leaders.

With funding support from the Colorado Water Conservation Board's (CWCB) Engagement and Innovation Grant, our program was redesigned to introduce junior & senior-level high-school students to critical water concepts, plans, projects, issues, and needs. The curriculum first introduces students to core concepts in hydrology and water quality, and builds workforce-ready skillsets through field data collection activities.

Once the foundation is built, students explore state/regional/and local water issues, connect with stakeholders, understand the basics of Colorado water law and policy, and dive into the Colorado Water Plan & BIPs.

To achieve these goals, the grant had three tasks:

1. Engage with Partners and Develop Strategic Plans
2. Research and Develop Regional Resource Guides (to Supplement Curriculum)
3. Develop and Implement Pilot Teacher Training Program

In late 2025, all tasks objectives were met or exceeded. The following report provides the projects' accomplishments, highlights, and future.

Achievements

During this grant period from mid-2023 to the end of 2025, River Science conducted teacher trainings to expand these opportunities to new schools, created and compiled dozens of resources for students and teachers to utilize, created paid student internships, certified hundreds of students, established and leveraged multiple partnerships, expanded our regions, and helped public schools capture hundreds of thousands of dollars in education incentives. These efforts would not have been possible without the CWCB Engagement and Innovation Grant.

Program Highlights



Paid Internships

3



of Schools

21



Certified Students 2023-2024. 2025 data not available yet

371



Estimated CDIP Funds to Participating Schools

\$148,000



Student / Teacher Resources

164 - how to videos

80 - local resource guides

12 - education activities

TASK 1 ENGAGE WITH PARTNERS AND DEVELOP STRATEGIC PLANS

River Science continued to support and learn from our current high schools. At the start of the grant, there were 8 participating schools in Colorado, now there have been 20 different secondary schools who have participated, one college, and one education non-profit. During these efforts, River Science worked with various partners, including Colorado Parks and Wildlife (CPW) to find opportunities to support these programs and local schools.

Schools/Ors Trained

Alameda International	Innovation Center
Arvada West	Littleton EPIC
Bailey HS	Palisade HS
Bayfield HS	Peak Academy
Buena Vista HS	Platte Canyon HS
Canon City HS	San Juan Mtn School
Cedaredge HS	Valley Prep
Coronado HS	Wellington HS
Del Norte HS	Wiley HS
Durango HS	Community College of Denver
Elizabeth HS	Yampatika

During this grant, River Science provided three career fairs where students could meet local professionals, learn about various positions, and learn about local internships/work opportunities. Hosted career fairs had mixed results due to weather, school restricted travel, and schedule conflicts. Ultimately, in-person career fairs were reconsidered in our strategic approach. In 2025, virtual interviews, partnerships to provide job shadows, resource lists for local professionals that may consider classroom visits, and internships were favored.

Internships are considered the greatest experience. During this grant, River Science has piloted three internships with CPW's Pueblo Hatchery. Most were paid internships funded through partnerships with Colorado Workforce. Our interns include:

- 2023-2024:
 - Leah Mickleson
 - Dylan Kerr
- 2024-2025
 - Emily Buchanan
- 2025-2026
 - 2 paid internships available thanks to a Robert Hawg Rawlings grant (\$6000).

TASK 1 ENGAGE WITH PARTNERS AND DEVELOP STRATEGIC PLANS

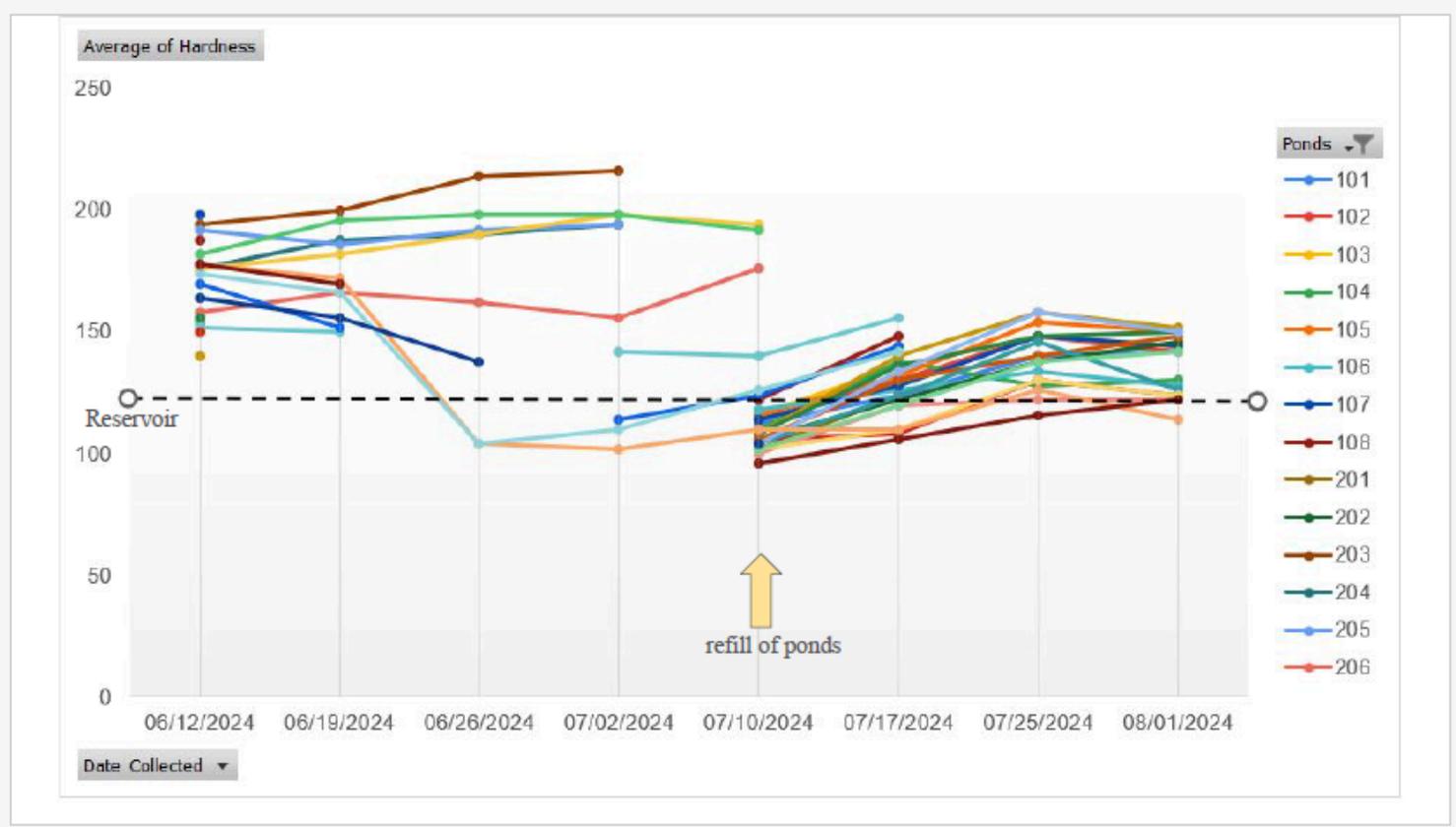
All interns have provided valuable information and support to the CPW Hatchery (as submitted to CWCB in past reports). Images below are taken from the 2024 intern report of the Hatcher Water Quality Analysis's that helped hatchery staff understand their varying water quality and improve fish health and making informed decision about treatment and pond management.

Looking Forward: As we consider lessons learned and the future, sustainable funds for paid internships is a top priority. Our experiences and challenges (highlighted in our 2024 Q3 Status Report) have been that funding is difficult to secure and sometimes impossible by the interns start date. While paying interns is a high priority, River Science does not want to cancel an internship if the individual is willing to accept an unpaid position.

June 12th, 2024 - August 8th, 2024

Pueblo Hatchery Water Quality Analysis

Dylan Kerr & Leah Mickelson



TASK 2 RESEARCH & DEVELOP REGIONAL RESOURCE GUIDES (SUPPLEMENT CURRICULUM)

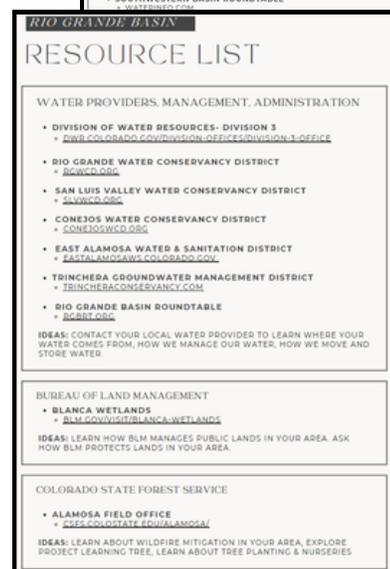
River Science developed three regional resource guides for the three identified river basins (images on right). Each resource guide provides information on local water agencies, government agencies, and non-profits that may serve as resources for teachers (80 in total). Each resource guide offers ideas for how teachers can incorporate the resources into each of the lessons. These guides encourage teachers and students to explore their local watersheds, learn about water issues and projects within their communities, and connect with water professionals to expand student opportunities and increase knowledge.

In addition to these resources, we have asked local agencies about potential job shadowing and/or future internship opportunities, their willingness to participate in virtual and/or in-person interviews with teachers/students, and their willingness to participate in recorded interviews. The catalogue of the recorded interviews are available to our teachers ([example](#)). Many individuals showed interest in participating in future job shadowing opportunities, and we were able to schedule and record three interviews with:

- Dr. Ashley Rust, the water quality monitoring and assessment specialist at Colorado Parks and Wildlife;
- Pauline Adams, a Hydrologist with the United States Forest Service; and
- Dr. Luke Javernick, the Executive Director of River Science.

More videos coming:

- More CPW fish biologist in the Arkansas Watershed
- Dr. Megan McConville, a Water Quality Specialist with the Department of Natural Resources.
- Jon Erickson, a water rights engineer with Colorado Parks and Wildlife



TASK 2 RESEARCH & DEVELOP REGIONAL RESOURCE GUIDES (SUPPLEMENT CURRICULUM)

Included in the resources are events for teachers to consider. These offer greater opportunities for students to see real people in the variety of water-related careers. Exposure to these careers at an early stage in the student education provides awareness to the variety of existing jobs that are typically unknown, that everyday people hold these positions, and there is a variety of careers that speak to their interests in science, education, policy, law, management, and/or the environment. Having students see these aspects helps them identify with future opportunities.

In 2023, River Science was awarded a Robert Hawg Rawlings grant to take 18 students enrolled in the Hydrology & Watershed class at Canon City High School to the Arkansas River Basin Roundtable's annual Water Forum. Here, students attended the presentations, asked questions, showcased their Hydrology projects, and mingled with professionals.

Looking Forward: The Water Forum conference was a great success where students' efforts in their projects generated conversations with professionals, challenged them to expand their critical thinking, and provided them with some new confidence in their ability to apply new skills. The challenge here, like internships, is sustainable funding to provide these conference opportunities.



CANON CITY'S 2023 NEXT GENERATION WATER LEADERS AT WATER FORUM

TASK 3

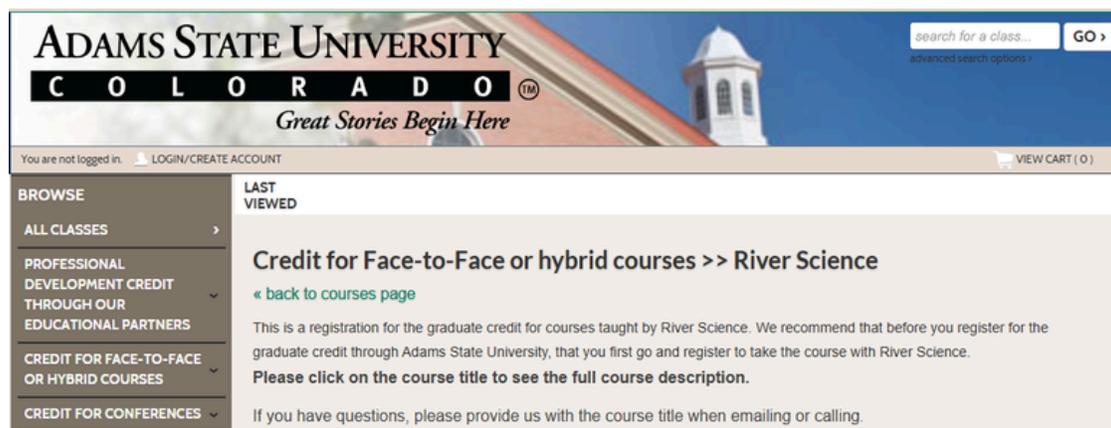
TASK 3 – DEVELOP AND IMPLEMENT PILOT TEACHER TRAINING PROGRAM

In the three years of this grant, three annual, in-person trainings were hosted to help teachers gain the knowledge, skillsets, and confidence to provide all the curriculum and hands-on training to their future students. River Watch and Hydrology were hosted in Cedaredge, CO in 2023 and 2025. In 2024 River Watch and Hydrology were hosted separately due to teacher scheduling conflicts with River Watch at Colorado State University Mountain Campus and Hydrology hosted in Canon City.

The 2025 training had four new schools/nonprofit organizations attended the Hydrology & Watersheds training: Community College of Denver, Buena Vista High School, Wellington High School, and Yampatika. During this grant, River Science’s outreach for Hydrology and Watersheds has expanded well beyond the three targeted basins and has now included the North Platte and Yampa watersheds.

Finally, River Science has both the River Watch training and the Hydrology & Watersheds training approved for undergraduate, graduate, and continuing education credits (CEUs) through Adams State University (ASU). The River Watch Training was approved for three undergraduate or graduate credits, or four CEUs; the Hydrology and Watersheds was approved for two undergraduate, graduate, or CEUs. These credits give our teachers more benefits and makes our program more enticing.

Looking Forward: River Science is currently exploring how to get these college credits available to the students who complete all curriculum and practicums under our certificates.



ADAMS STATE UNIVERSITY’S WEBSITE WITH RIVER SCIENCE’S COURSES

What's Next?

IMMEDIATE

As outlined in the sections above, we have generated considerable momentum with schools and partners, have identified several challenges and are working toward sustainable solutions for funding, and continuing to expand and enhance partnerships and student opportunities. Specific future goals are to:

- Expand student opportunities for job shadows
- Find sustainable funds for paid internships
- Expand our partnerships for greater internship supervision
- Plan for our 2 interns in 2025
- Expand our Adams State University college credits to students

INTO THE FUTURE

As River Science has continued to grow these opportunities and other programs, we are excited to couple these secondary school experiences and knowledge with entry level positions under our new AmeriCorps program, River Corps. This Corps provides additional technical training and skillsets with communication skillsets to provide highly-trained members to various watershed groups who need technical capacity. This program is also funded by CWCB grants and can provide a pathway for students of the Next Generation Water Leaders program to continue to advance their water-related careers.



2025 RIVER CORPS MEMBERS USING RIVER RESTORATION SKILLSETS TO ASSIST PARTNER PROJECTS

Special Thanks

Thank you to Colorado Water Conservation Board for the funding to expand and enhance these education opportunities.



COLORADO

Colorado Water Conservation Board

Department of Natural Resources

Thank you to **Newmont Mining Corporation** and the **Gates Family Foundation** to help fund the development of our curriculum.

Thank you to **Robert Hawg Rawlings Foundation** for making the 2023 Water Forum and 2025 internships possible.

Thank you to Canon City High School's **Bill Summers** for his assistance and support in our curriculum development, outlining the opportunity with CDIP, and initial contributions for curriculum and equipment.

Thank you to **Carrie Trimble, Dave Laughlin, and Jessie Caton** ("Graski) for their support in the early days of these field trips with a purpose, the eventual course piloting, and continued support. Thank you again to **Jessie Caton** for all her ongoing support to enhance these courses including the ASU college credit.

Thank you to **Chelsey Nutter** for developing the necessary building blocks to make these opportunities come to fruition and for preventing this balloon from floating away.

Thank you to **Michaela Taylor** and **Megan McConville** for their support to expand River Watch into a new area. Thank you to **Ashley Rust** for her help with the internship study design.

Thank you to **Quentin Springer** of CPW for all your enthusiasm and support to make the Pueblo Hatchery internships possible. Thank you to **Vicki Casey** for helping with CO Workforce funding work experiences.

Thank you to **Allison Palmmassanno** for all your efforts to support the schools as they navigate the CDIP process.

Thank you to **Nico Centeno** for helping us navigate the ASU process.





PROJECT STATUS REPORT

PROJECT SUMMARY

REPORTING PERIOD	PROJECT NAME	PREPARED BY
9.21.2024 12.16.2025	Next Generation Water Leaders POGG1,PDAA,202300003918	Allison Palmasano, Administration Manager

STATUS SUMMARY

Note: This report provides a comprehensive final progress report in the standard reporting format. Please see the additional final report for a summarized and visual deliverable. Note all derivable documents are in the provided deliverable folder.

Summary: During this grant period from mid-2023 to the end of 2025, River Science conducted teacher trainings to expand these opportunities to new schools, created and compiled dozens of resources for students and teachers to utilize, created paid student internships, certified hundreds of students, established and leveraged multiple partnerships, expanded our regions, and helped public schools capture hundreds of thousands of dollars in education incentives. These efforts would not have been possible without the CWCB Engagement and Innovation Grant.

Progress to date

Task 1: Task 1 – Engage with Partners and Develop Strategic Plans

Throughout this grant, River Science continued to support current partners and sought new partners to expand our program, add new education and experiential opportunities, and expand into new regions of the state. During this time, our partnership with Colorado River Watch was leveraged to offer a cost-effective, collaborative annual trainings and to encourage CDIP enrollment from participating schools. We targeted high schools in the original three regions (Arkansas, Rio Grande, and Southwest). The ongoing lists of schools who have participated in our trainings is provided below in Table 1. As shown, many schools are outside of our originally proposed regions as we have continued to expand.

Table 1: Current list of schools trained in Water Quality & Ecology (i.e. River Watch) and/or Hydrology & Watersheds. Note: This list does not reflect current participation, as some have left the program due to teacher turnover.

Schools/Ors Trained	
Alameda International	Innovation Center
Arvada West	Littleton EPIC
Bailey HS	Palisade HS
Bayfield HS	Peak Academy
Buena Vista HS	Platte Canyon HS
Canon City HS	San Juan Mtn School
Cedaredge HS	Valley Prep
Coronado HS	Wellington HS
Del Norte HS	Wiley HS
Durango HS	Community College of Denver
Elizabeth HS	Yampatika

Creating additional online resources for interested and current teachers has been a major focus. These are used to engaged/recruit new teachers/schools and has clarified the process to participate. River Science supplemented these resources further by creating a timeline of the CDIP process in each respective course. These online sources are on the website and linked below:

- [Website Direct Link](#)
- [CDIP & RS Overview Video](#)
- [Hydrology & Watersheds Video](#)
- [Water Quality & Ecology Video](#)
- More links in the deliverable folder

Career fairs were also a large focus, as we desired to provide opportunities for students – even in rural areas – to see real people, in real jobs, doing real science. However, after three career fairs (or attempted fairs), River Science determined that these would not be beneficial to most of the schools enrolled in our CDIP program due to transportation, weather, and scheduling difficulties. In lieu of a formal, in-person career fair, we have implemented a variety of strategies in order to increase career exposure opportunities for our students. This strategy removes many barriers and also gives teachers autonomy on when and how to implement these resources. The strategies we have implemented thus far include:

- [An online catalogue of professional interviews \(linked\)](#)
 - This catalogue currently includes three (3) interviews with professionals with a variety of backgrounds, all of which are also linked below:
 - [CPW - Dr. Ashley Rust](#)
 - [USFS - Pauline Adams](#)
 - [Private Sector - Dr. Luke Javernick](#)
 - Three more interviews are in the works for the spring of 2026.
 - CPW fish biologist in the Arkansas Watershed
 - Dr. Megan McConville, a Water Quality Specialist with the Department of Natural Resources.
 - Jon Erickson, a water rights engineer with Colorado Parks and Wildlife
- A post-secondary paid internship program (made possible by our partners at Colorado Workforce and the Robert Hoag Rawlings Foundation)
 - Continue our relationship with the Colorado Workforce and have learned about the extent of their funding.
 - In order to ensure that internships are available to all students, additional grant funding was sought and awarded (\$6,000 from the Robert Hoag Rawlings Foundation)
- Potential job shadowing opportunities

- Scheduling these opportunities is a process; first scheduled for the fall of 2026
 - 27 organizations, 21 of whom responded with interest and are listed below:
 - National Trout Unlimited (TU) Chapter
 - Colorado State TU Chapter
 - Colorado Regional TU Chapters
 - United States Forest Service (USFS) - Rocky Mountain Research Station in Fort Collins, CO
 - USFS Hydrologist (Glenwood)
 - Colorado Parks & Wildlife (CPW) - Aquatic Nuisance Species Specialist
 - Colorado State Forestry
 - Division of Reclamation, Mining
 - Division of Water Resources (DWR)
 - Colorado Department of Public Health & Environment (CDPHE) 303d Group
 - CDPHE Emerging Contaminants
 - River Watch (RW) Watershed Groups
 - RW Conservation Corps (RCC)
 - Yampa/White Roundtable
 - Colorado River Roundtable
 - Gunnison Roundtable
 - Rio Grande Roundtable
 - Arkansas Roundtable
 - South Platte Roundtable
 - Metro Roundtable
- Regional resource guides in 3 of Colorado's major watersheds (provided in deliverable folder):
 - Southwest Basin (21 resources)
 - Rio Grande Basin (17 resources)
 - Arkansas Basin (42 resources)

Task 2: Research and Develop Regional Resource Guides (to Supplement Curriculum)

River Science developed three regional resource guides for the three identified river basins (provided in deliverable folder and listed above). Each resource guide provides information on local water agencies, government agencies, and non-profits that may serve as resources for teachers. Each resource guide offers ideas for how teachers can incorporate the resources into each of the lessons. These guides encourage teachers and students to explore their local watersheds, learn about water issues and projects within their communities, and connect with water professionals to expand student opportunities and increase knowledge.

In addition to these resource guides, local agencies have been asked about potential job shadowing and/or future internship opportunities, their willingness to participate in virtual and/or in-person interviews with teachers/students, and their willingness to participate in recorded interviews. Many individuals showed interest in participating in future job shadowing opportunities (21 in total), and we were able to schedule and record three (3) interviews with Dr. Ashley Rust, the water quality monitoring and assessment specialist at Colorado Parks and Wildlife; Pauline Adams, a Hydrologist with the United States Forest Service; and Dr. Luke Javernick, the Executive Director of River Science. In the upcoming months we plan to record more interviews with a CPW fish biologist in the Arkansas Watershed and with Dr. Megan McConville, a Water Quality Specialist with the Department of Natural Resources and Jon Erikson, a water rights engineer with CPW. River Science will continue to work to coordinate job shadowing opportunities for participating/interested schools into 2026. As our virtual interviews and local shadow opportunities develop, these resource guides will be updated.

Task 3: Develop and Implement Pilot Teacher Training Program

All tasks in this proposal were designed to create a successful and beneficial teacher training program. All three trainings were successfully held. River Science again partnered with River Watch to include a Hydrology & Watersheds training as part of River Watch's annual teacher training program. Integrating this training provides numerous benefits and opportunities for both organizations and teachers; shared resources, leverage funding, and offer new opportunities for teachers through this partnership.

River Science developed a four-day teacher training program that included curriculum review, hands-on activities, and field studies (training agendas in the deliverable folder). River Science led teachers through PowerPoint presentations and teacher's notes and held discussions on lesson topics and resources.

- River Science led teachers through all activities outlined in the curriculum, including:
 - Database & Online Resource Training:
 - Colorado Decision Support System
 - USGS Stream Stats
 - Model My Watershed
 - NRCS SWE Mapping
 - Hands-on Demonstrations:
 - Aquifer Models
 - Water Rights Administration Game
 - Build Your Watershed
 - A Drop in the Bucket
 - Design & label Your HUC Map
 - Field Studies & Skillsets:
 - Stream Gauging
 - Pebble Count
 - Algae Identification
- River Science provided teachers with all the materials (provided in deliverable folder) and resources needed to implement the Hydrology & Watersheds course in the 2023/2024, 2024/2025, and 2025/2026 school years. Teachers were given full access to the curriculum, materials required for hands-on activities, and equipment necessary for field studies.
- Strategic planning has implemented the following resources in order to increase career exposure
 - Post-secondary internship program for students who earn their CDIP certification
 - Online catalogue of professional interviews
 - Potential job shadowing opportunities
 - Regional resource guides for teachers to organize additional engagement activities

We were able to get both the River Watch Training and the Hydrology and Watersheds training approved for undergraduate, graduate, and continuing education credits (CEUs) via Adams State University. The River Watch Training was approved for 3 undergraduate or graduate credits, or 4 CEUs; the Hydrology and Watersheds was approved for 2 undergraduate credits, graduate credits, or CEUs. The number of credit hours each course is available for was determined by the amount of time spent in each training. This gives our teachers more benefits and makes our program more enticing. Course syllabi are in the deliverable folder.

Conclusion: Thank you for the opportunity and funding to enhance and expand these educational opportunities to high-school students. Following the teacher trainings, participants have provided very positive feedback about this program and how it can immediately be implemented into the teachers' schools (see PostTraining_Evaluations in deliverable folder). Further, the students involved in this program have truly been fantastic as they are engaged, ask intelligent questions, and show great effort in their care for the data protocols. With every student, this program adds one more water-smart citizen in the community - and hopefully a Next Generation Water Leader.

Task 1: Engage, Support & Plan	100%	12/31/24	
Task 2 - Research & Develop Regional Resource Guides (At Least 3 Basins)	100%	12/31/24	
Task 3 - Develop Teacher Training Program	100%	12/31/24	

BUDGET OVERVIEW

TASK	SPENT	% OF TOTAL	BUDGET REMAINING	NOTES
Task 1: Engage, Support & Plan	\$21,725	100%	\$0	
Task 2 - Research & Develop Regional Resource Guides (At Least 3 Basins)	\$21,800	100%	\$0	
Task 3 - Develop Teacher Training Program	\$55,050	100%	\$0	

Timestamp	How likely are you to recommend this training to other teachers?	How confident are you in taking what you learned in this training and implementing it in the classroom?	Please expand on the question above. What about the training improved your confidence? What additional training/resources would make you more confident?	What resources are you most likely to use? Which are you not likely to use?	How likely are you to reach out to local professionals to discuss career opportunities in this field?	Are you likely to play recorded interviews with professionals in the Water World in your class?	What concepts/activities from the training are you most excited about implementing in your classroom?	What concepts/activities from the training are you most nervous about implementing in your classroom?
10/12/2025 9:17:39		5	4 Everything we need is provided, from presentations, to lesson plans, to activities and worksheets, anything I could think of has been provided.	The activities more and the presentation less		5 Maybe	The aquifer activity	The content and presentations
10/12/2025 9:19:55		5	5 Actually going through the curriculum and seeing where everything is located was super helpful.	Most likely to use: stream cross section data collection. As far as not likely to use, I think I need to teach the curriculum first to know what I will use and what I won't.		5 Maybe	Stream cross-section data collection.	All the government websites working properly and that the data is current.
10/12/2025 9:20:44		5	5 Im well versed in curriculum development... these are well layed out and ready to go with a lil weekly tweaking	NA.... at this time		5 Yes	I wont apply to my class	Need to form a bridge for post secondary
10/12/2025 9:20:59		5	5 These resources are gold! I really appreciate how well everything is organized in the folders and the fact that notes were included for each of the slides makes this feel so attainable and seamless to implement.	I will use all of these resources! The only thing I'm worried about is the fact that some websites that are required are not working or being updated due to our political climate right now. That is out of our control and it may be nice to provide a plan B for these activities. I also plan to use most of those website as a class interaction/activity because I'm not sure that my student's computers can handle those websites all at once.		5 Yes	I'm really excited about it all but I'm especially excited about the water law piece because that is something I haven't been super confident in and this training has helped with providing more confidence.	I'm just nervous the websites won't work or that our technology won't be able to handle the more complex websites which is why I plan to bring them up on my computer/smartboard and we will work as a class for the sake of time/waiting for students computers to load
10/12/2025 9:21:56		5	5 Water policy discussions, slide deck info graphs and maps, simulations	Hands on field lessons, water simulator, CDIP certificate		5 Yes	Deep dives into stream gauging, water policy lessons	Working with teachers across multiple districts to instill the Hydrology certificate on a consistent yearly basis
10/12/2025 9:22:14		5	5 The hands on learning aspect really improved my confidence. I see it as a very engaging way to drive the point home. Especially with the topics that involve math. You could give the pre recorded measurements to the kids and have them do the math, but it doesn't stick as well as when you're actually out there. Maybe having short videos of some activities we did to make sure they were done right, more specifically the confined and unconfined aquifer with the pump.	I am most likely to use the resources folder as a whole where we started sharing things as a class as well as having the other tools at our disposal which are shown throughout the hyperlinks in the slides.		5 Yes	I can't wait to implement the hydrography in the class.	

RESOURCE LIST

WATER PROVIDERS, MANAGEMENT, ADMINISTRATION

- **DIVISION OF WATER RESOURCES- DIVISION 2**
 - DWR.COLORADO.GOV/DIVISION-OFFICES/DIVISION-2-OFFICE
- **UPPER ARKANSAS WATER CONSERVANCY DISTRICT**
 - UAWCD.COM
- **LOWER ARKANSAS VALLEY WATER CONSERVANCY DISTRICT**
 - LOWERARK.COM
- **HUERFANO COUNTY WATER CONSERVANCY DISTRICT**
 - HCWCD.NET
- **SOUTHEASTERN COLORADO WATER CONSERVANCY DISTRICT**
 - SECWCD.ORG
- **PURGATORIE RIVER WATER CONSERVANCY DISTRICT**
 - SECWCD.ORG
- **PUEBLO WATER**
 - PUEBLOWATER.ORG
- **COLORADO SPRINGS UTILITIES**
 - CSU.ORG
- **PARKVILLE WATER DISTRICT**
 - PARKVILLEWATER.ORG
- **CANON CITY WATER DEPARTMENT**
 - CANONCITY.ORG/166/WATER-DEPARTMENT
- **ROUND MOUNTAIN WATER & SANITATION DISTRICT**
 - RMWSD.COM
- **ARKANSAS BASIN ROUNDTABLE**
 - ARKANSASBASIN.COM

IDEAS: CONTACT YOUR LOCAL WATER PROVIDER TO LEARN WHERE YOUR WATER COMES FROM, HOW WE MANAGE OUR WATER, HOW WE MOVE AND STORE WATER. SET UP A TOUR OF YOUR LOCAL WATER TREATMENT PLANT, VISIT A RESERVOIR, OR TOUR A WATER PROJECT.

RESOURCE LIST

ENVIRONMENTAL NON-PROFITS

- **RIVER SCIENCE**
 - RIVER.SCIENCE
- **ARKANSAS RIVER WATERSHED COLLABORATIVE**
 - ARKCOLLABORATIVE.ORG
- **PURGATOIRE WATERSHED PARTNERSHIP**
 - PURGATOIREPARTNERS.ORG
- **PALMER LAND CONSERVANCY**
 - PALMERLAND.ORG
- **CENTRAL COLORADO CONSERVANCY**
 - CENTRALCOLORADOCONSERVANCY
- **ROCKY MOUNTAIN FIELD INSTITUTE**
 - RMFI.ORG
- **CLOUD CITY CONSERVATION CENTER**
 - C4LEADVILLE.ORG
- **HIGH MOUNTAIN INSTITUTE**
 - HMINET.ORG
- **NATURE & WILDLIFE DISCOVERY CENTER**
 - HIKEANDLEARN.ORG
- **CATAMOUNT INSTITUTE**
 - CATAMOUNTINSTITUTE.ORG
- **ROYAL GORGE RIO**
 - ROYALGORGERIO.ORG
- **GREATER ARKANSAS RIVER NATURE ASSOCIATION**
 - GARNA.ORG
- **ARKANSAS RIVER BASIN WATER FORUM**
 - WWW.ARBWF.ORG

IDEAS: NON-PROFITS ARE WONDERFUL RESOURCES FOR EDUCATORS. CONTACT A LOCAL NON-PROFIT TO EXPLORE THEIR EDUCATIONAL PROGRAMS OR ASK THEM TO PROVIDE A PRESENTATION TO YOUR CLASS. ASK ABOUT ANY CURRENT PROJECTS, FIELD TRIPS, DEMONSTRATIONS, CONFERENCES, OR PROGRAMS THAT THEY OFFER. EXPLORE ANY STUDENT RESOURCES, VOLUNTEER OR INTERNSHIP OPPORTUNITIES.

RESOURCE LIST

UNITED STATES FOREST SERVICE

- **COMANCHE NATIONAL GRASSLANDS**
 - [FS.USDA.GOV/DETAIL/PSICC/ABOUT-FOREST/ABOUT-AREA/?CID=FSM9_032695](https://fs.usda.gov/detail/psicc/about-forest/about-area/?CID=FSM9_032695)
- **LEADVILLE RANGER DISTRICT**
 - [FS.USDA.GOV/DETAIL/PSICC/ABOUT-FOREST/ABOUT-AREA/?CID=FSM9_032740](https://fs.usda.gov/detail/psicc/about-forest/about-area/?CID=FSM9_032740)
- **PIKES PEAK RANGER DISTRICT**
 - [FS.USDA.GOV/DETAIL/PSICC/ABOUT-FOREST/ABOUT-AREA/?CID=FSM9_032731](https://fs.usda.gov/detail/psicc/about-forest/about-area/?CID=FSM9_032731)
- **SALIDA RANGER DISTRICT**
 - [FS.USDA.GOV/DETAIL/PSICC/ABOUT-FOREST/ABOUT-AREA/?CID=FSM9_032697](https://fs.usda.gov/detail/psicc/about-forest/about-area/?CID=FSM9_032697)
- **SAN CARLOS RANGER DISTRICT**
 - [FS.USDA.GOV/DETAIL/PSICC/ABOUT-FOREST/ABOUT-AREA/?CID=FSM9_032704](https://fs.usda.gov/detail/psicc/about-forest/about-area/?CID=FSM9_032704)

IDEAS: VISIT YOUR LOCAL FOREST, TALK TO A HYDROLOGIST, LEARN ABOUT WILDFIRE IN YOUR AREA, LEARN ABOUT HYDROLOGY CAREERS WITH THE US FOREST SERVICE, VISIT A MITIGATION PROJECT.

COLORADO STATE FOREST SERVICE

- **CANON CITY FIELD OFFICE**
 - [CSFS.COLOSTATE.EDU/CANON-CITY/](https://csfs.colostate.edu/canon-city/)
- **LA JUNTA FIELD OFFICE**
 - [CSFS.COLOSTATE.EDU/LA-JUNTA/](https://csfs.colostate.edu/la-junta/)
- **LA VETA FIELD OFFICE**
 - [CSFS.COLOSTATE.EDU/LA-VETA/](https://csfs.colostate.edu/la-veta/)
- **SALIDA FIELD OFFICE**
 - [CSFS.COLOSTATE.EDU/SALIDA/](https://csfs.colostate.edu/salida/)

IDEAS: LEARN ABOUT WILDFIRE MITIGATION IN YOUR AREA, EXPLORE PROJECT LEARNING TREE, LEARN ABOUT TREE PLANTING & NURSERIES

RESOURCE LIST

COLORADO PARKS & WILDLIFE

- **ARKANSAS HEADWATERS RECREATION AREA**
 - CPW.STATE.CO.US/PLACESTOGO/PARKS/ARKANSASHEADWATERSRECREATIONAREA
- **CHEYENNE MOUNTAIN**
 - CPW.STATE.CO.US/PLACESTOGO/PARKS/CHEYENNEMOUNTAIN
- **LAKE PUEBLO**
 - CPW.STATE.CO.US/PLACESTOGO/PARKS/LAKEPUEBLO
- **LATHROP**
 - CPW.STATE.CO.US/PLACESTOGO/PARKS/LATHROP
- **TRINIDAD LAKE**
 - CPW.STATE.CO.US/PLACESTOGO/PARKS/TRINIDADLAKE
- **CWP REGIONAL OFFICES**
 - CPW.STATE.CO.US/ABOUTUS/PAGES/CONTACTUS.ASPX

IDEAS: VISIT YOUR LOCAL STATE PARK. EXPLORE A LAKE, GO FOR A HIKE, & BE IN NATURE WHILE YOU DISCUSS HYDROLOGY. CONTACT YOUR REGIONAL COLORADO PARKS AND WILDLIFE OFFICE FOR PRESENTATIONS, TOURS, OR INFORMATION ABOUT AQUATIC SPECIES & WILDLIFE IN YOUR AREA.

BUREAU OF LAND MANAGEMENT

- **ROYAL GORGE FIELD OFFICE**
 - BLM.GOV/OFFICE/ROYAL-GORGE-FIELD-OFFICE

IDEAS: LEARN HOW BLM MANAGES PUBLIC LANDS IN YOUR AREA. ASK A BLM EXPERT HOW THEY MANAGE YOUR LOCAL PUBLIC LANDS FOR RECREATION, WILDLIFE, ENVIRONMENT, GRAZING, OR ENERGY.

US FISH & WILDLIFE SERVICE

- **LEADVILLE NATIONAL FISH HATCHERY**
 - FWS.GOV/FISH-HATCHERY/LEADVILLE

IDEAS: SET UP A TOUR OF THE NATIONAL FISH HATCHERY IN LEADVILLE.

RESOURCE LIST

WATER PROVIDERS, MANAGEMENT, ADMINISTRATION

- **DIVISION OF WATER RESOURCES- DIVISION 3**
 - DWR.COLORADO.GOV/DIVISION-OFFICES/DIVISION-3-OFFICE
- **RIO GRANDE WATER CONSERVANCY DISTRICT**
 - RGWCD.ORG
- **SAN LUIS VALLEY WATER CONSERVANCY DISTRICT**
 - SLVWCD.ORG
- **CONEJOS WATER CONSERVANCY DISTRICT**
 - CONEJOSWCD.ORG
- **EAST ALAMOSA WATER & SANITATION DISTRICT**
 - EASTALAMOSAWS.COLORADO.GOV
- **TRINCHERA GROUNDWATER MANAGEMENT DISTRICT**
 - TRINCHERACONSERVANCY.COM
- **RIO GRANDE BASIN ROUNDTABLE**
 - RGBRT.ORG

IDEAS: CONTACT YOUR LOCAL WATER PROVIDER TO LEARN WHERE YOUR WATER COMES FROM, HOW WE MANAGE OUR WATER, HOW WE MOVE AND STORE WATER.

BUREAU OF LAND MANAGEMENT

- **BLANCA WETLANDS**
 - BLM.GOV/VISIT/BLANCA-WETLANDS

IDEAS: LEARN HOW BLM MANAGES PUBLIC LANDS IN YOUR AREA. ASK HOW BLM PROTECTS LANDS IN YOUR AREA.

COLORADO STATE FOREST SERVICE

- **ALAMOSA FIELD OFFICE**
 - CSFS.COLOSTATE.EDU/ALAMOSA/

IDEAS: LEARN ABOUT WILDFIRE MITIGATION IN YOUR AREA, EXPLORE PROJECT LEARNING TREE, LEARN ABOUT TREE PLANTING & NURSERIES

RESOURCE LIST

ENVIRONMENTAL NON-PROFITS

- **COSTILLA COUNTY CONSERVATION DISTRICT**
 - COSTILLACCD.ORG
- **ORIENT LAND TRUST**
 - OLT.ORG
- **RIO GRANDE HEADWATERS LAND TRUST**
 - RIGHTSLV.ORG
- **SAN LUIS VALLEY GREAT OUTDOORS**
 - SLVGO.COM

IDEAS: NON-PROFITS ARE WONDERFUL RESOURCES FOR EDUCATORS. CONTACT A LOCAL NON-PROFIT TO EXPLORE THEIR EDUCATIONAL PROGRAMS OR ASK THEM TO PROVIDE A PRESENTATION TO YOUR CLASS. ASK ABOUT ANY CURRENT PROJECTS, FIELD TRIPS, DEMONSTRATIONS, CONFERENCES, OR PROGRAMS THAT THEY OFFER. EXPLORE ANY STUDENT RESOURCES, VOLUNTEER OR INTERNSHIP OPPORTUNITIES.

UNITED STATES FOREST SERVICE

- **RIO GRANDE NATIONAL FOREST**
 - FS.USDA.GOV/RIOGRANDE
- **CONJOS PEAK RANGER DISTRICT**
 - FS.USDA.GOV/DETAIL/RIOGRANDE/ABOUT-FOREST/DISTRICTS/?CID=STELPRDB5213037
- **DIVIDE RANGER DISTRICT**
 - FS.USDA.GOV/DETAIL/RIOGRANDE/ABOUT-FOREST/DISTRICTS/?CID=STELPRDB5158975
- **SAGUACHE RANGER DISTRICT**
 - [HTTPS://WWW.FS.USDA.GOV/DETAIL/RIOGRANDE/ABOUT-FOREST/DISTRICTS/?CID=STELPRDB5364707](https://www.fs.usda.gov/detail/riogrande/about-forest/districts/?cid=stelprdb5364707)

IDEAS: VISIT YOUR LOCAL FOREST, TALK TO A HYDROLOGIST, LEARN ABOUT WILDFIRE IN YOUR AREA, LEARN ABOUT HYDROLOGY CAREERS WITH THE US FOREST SERVICE, VISIT A MITIGATION PROJECT.

RESOURCE LIST

WATER PROVIDERS, MANAGEMENT, ADMINISTRATION

- **DIVISION OF WATER RESOURCES- DIVISION 7**
 - DWR.COLORADO.GOV/DIVISION-OFFICES/DIVISION-7-OFFICE
- **SOUTHWESTERN WATER CONSERVANCY DISTRICT**
 - SWWCD.ORG
- **SAN JUAN WATER CONSERVANCY DISTRICT**
 - SJWCD.ORG
- **DURANGO WATER**
 - DURANGOGOV.ORG/1432/WATER
- **MONTEZUMA WATER COMPANY**
 - MONTEZUMAWATER.ORG
- **PAGOSA AREA WATER & SANITATION DISTRICT**
 - PAWSD.ORG
- **LAKE DURANGO WATER AUTHORITY**
 - LAKEDURANGO.ORG
- **SOUTHWESTERN BASIN ROUNDTABLE**
 - WATERINFO.COM

IDEAS: CONTACT YOUR LOCAL WATER PROVIDER TO LEARN WHERE YOUR WATER COMES FROM, HOW WE MANAGE OUR WATER, HOW WE MOVE AND STORE WATER. SET UP A TOUR OF YOUR LOCAL WATER TREATMENT PLANT, VISIT A RESERVOIR, OR TOUR A WATER PROJECT.

RESOURCE LIST

ENVIRONMENTAL NON-PROFITS

- **MOUNTAIN STUDIES INSTITUTE**
 - MOUNTAINSTUDIES.ORG
- **CONSERVATION LEGACY**
 - CONSERVATIONLEGACY.ORG
- **PAGOSA AREA TRAILS**
 - PAGOSATRAILS.ORG
- **FORT LEWIS COLLEGE**
 - FORTLEWIS.EDU
- **LA PLATA OPEN SPACE**
 - LPOSC.ORG
- **MONTEZUMA LAND CONSERVANCY**
 - MONTEZUMALAND.ORG

IDEAS: NON-PROFITS ARE WONDERFUL RESOURCES FOR EDUCATORS. CONTACT A LOCAL NON-PROFIT TO EXPLORE THEIR EDUCATIONAL PROGRAMS OR ASK THEM TO PROVIDE A PRESENTATION TO YOUR CLASS. ASK ABOUT ANY CURRENT PROJECTS, FIELD TRIPS, DEMONSTRATIONS, CONFERENCES, OR PROGRAMS THAT THEY OFFER. EXPLORE ANY STUDENT RESOURCES, VOLUNTEER OR INTERNSHIP OPPORTUNITIES.

COLORADO PARKS & WILDLIFE

- **NAVAJO**
 - [HTTPS://CPW.STATE.CO.US/PLACESTOGO/PARKS/NAVAJO](https://cpw.state.co.us/placestogo/parks/navajo)
- **MANCOS**
 - [HTTPS://CPW.STATE.CO.US/PLACESTOGO/PARKS/MANCOS/PAGES/DEFAULT.ASPX](https://cpw.state.co.us/placestogo/parks/mancos/pages/default.aspx)

IDEAS: VISIT YOUR LOCAL STATE PARK. EXPLORE A LAKE, GO FOR A HIKE, & BE IN NATURE WHILE YOU DISCUSS HYDROLOGY. CONTACT YOUR REGIONAL COLORADO PARKS AND WILDLIFE OFFICE FOR PRESENTATIONS, TOURS, OR INFORMATION ABOUT AQUATIC SPECIES & WILDLIFE IN YOUR AREA.

RESOURCE LIST

UNITED STATES FOREST SERVICE

- **SAN JUAN NATIONAL FOREST HEADQUARTERS**
 - [FS.USDA.GOV/SANJUAN](https://fs.usda.gov/sanjuan)
- **COLUMBINE RANGER DISTRICT**
 - [HTTPS://WWW.FS.USDA.GOV/DETAIL/SANJUAN/ABOUT-FOREST/OFFICES](https://www.fs.usda.gov/detail/sanjuan/about-forest/offices)
- **DOLORES RANGER DISTRICT**
 - [HTTPS://WWW.FS.USDA.GOV/DETAIL/SANJUAN/ABOUT-FOREST/OFFICES](https://www.fs.usda.gov/detail/sanjuan/about-forest/offices)
- **PAGOSA RANGER DISTRICT**
 - [HTTPS://WWW.FS.USDA.GOV/DETAIL/SANJUAN/ABOUT-FOREST/OFFICES](https://www.fs.usda.gov/detail/sanjuan/about-forest/offices)

IDEAS: VISIT YOUR LOCAL FOREST, TALK TO A HYDROLOGIST, LEARN ABOUT WILDFIRE IN YOUR AREA, LEARN ABOUT HYDROLOGY CAREERS WITH THE US FOREST SERVICE, VISIT A MITIGATION PROJECT.

COLORADO STATE FOREST SERVICE

- **DURANGO FIELD OFFICE**
 - [CSFS.COLOSTATE.EDU/DURANGO/](https://csfs.colostate.edu/durango/)

IDEAS: LEARN ABOUT WILDFIRE MITIGATION IN YOUR AREA, EXPLORE PROJECT LEARNING TREE, LEARN ABOUT TREE PLANTING & NURSERIES