



COLORADO

**Colorado Water
Conservation Board**

Department of Natural Resources
1313 Sherman Street, Room 718
Denver, CO 80203

**WSRF – Rio Grande, Conejos, and Saguache Stream Management Plans
POGG1 2020-2065**

July 15, 2019

Colorado Rio Grande Restoration Foundation
Attn: Emma Reesor, Executive Director
623 Fourth Street
Alamosa, CO 81101

Dear Grantee:

We are pleased to inform you that the Colorado Department of Natural Resources, Colorado Water Conservation Board (CWCB) has approved your grant request for funding pursuant to the WSRF Grant Program (“Program”). This letter authorizes you to proceed with the Rio Grande, Conejos, and Saguache Stream Management Plans Project (“Project”) in accordance with the terms of this Grant Award Letter.

Attached to this letter are the terms and conditions of your Grant. Please review these terms and conditions, as they are requirements of this Grant to which you, Colorado Rio Grande Restoration Foundation, agree by accepting the Grant Funds.

If you have any questions or concerns regarding the project, please contact Chris Sturm, Project Manager at 303-866-3441 or at Chris.sturm@state.co.us. Please send all grant correspondence directly to Chris and cc me on your invoice billing requests.

Thank you.

Sincerely,

//s//

Doriann Vigil
Program Assistant II

O 303-866-3441 ext. 3250

1313 Sherman Street, Rm. 719, Denver, CO 80203

Dori.vigil@state.co.us / cwc.state.co.us





STATE OF COLORADO
Department of Natural Resources

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ORDER		*****IMPORTANT*****				
Number:	POGG1,PDAA,202000002065	The order number and line number must appear on all invoices, packing slips, cartons, and correspondence.				
Date:	7/15/19	BILL TO				
Description:	PDAA 2500 WSRF - CRGRF-RG, CONEJOS, SAGUACHE CRK STREAM MGMT	COLORADO WATER BOARD CONSERVATION 1313 SHERMAN STREET, ROOM 718 DENVER, CO 80203				
Effective Date:	07/15/19	SHIP TO				
Expiration Date:	06/30/21	COLORADO WATER BOARD CONSERVATION 1313 SHERMAN STREET, ROOM 718 DENVER, CO 80203				
BUYER		SHIPPING INSTRUCTIONS				
Buyer:		Delivery/Install Date: -				
Email:		FOB: FOB Dest, Freight Allowed				
VENDOR						
COLORADO RIO GRANDE RESTOR FNDTN 623 4TH ST ALAMOSA, CO 81101-2522						
Contact:	.					
Phone:	.					
VENDOR INSTRUCTIONS						
EXTENDED DESCRIPTION						
Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
1	G1000		0	0.00	\$28,000.00	<input type="checkbox"/>
Description: PDAA 2500 WSRF - CRGRF-RG, CONEJOS, SAGUACHE CRK STREAM MGMT						
Service From: 07/15/19		Service To: 06/30/21				
TERMS AND CONDITIONS						
https://www.colorado.gov/pacific/osc/small-dollar-grant-award-terms-conditions						
DOCUMENT TOTAL = \$28,000.00						



Last Update: January 9, 2018

Colorado Water Conservation Board	
Water Supply Reserve Fund	
<u>Exhibit A - Statement of Work</u>	
Date:	3/7/2019
Water Activity Name:	Rio Grande, Conejos River, and Saguache Creek Stream Management Plans
Grant Recipient:	Colorado Rio Grande Restoration Foundation, fiscal agent for the Rio Grande Headwaters Restoration Project (RGHRP)
Funding Source:	Water Supply Reserve Fund Basin Account
Water Activity Overview: (Please provide brief description of the proposed water activity (no more than 200 words). Include a description of the overall water activity and specifically what the WSRF funding will be used for.)	
<p>The Rio Grande, Conejos River, and Saguache Creek Stream Management Plans will result in the development of stream management plans (SMPs) for the following reaches of priority streams in the Rio Grande Basin: Rio Grande from Stony Pass to the Colorado state line, Conejos River from Platoro Reservoir to the confluence with the Rio Grande, and Saguache Creek from Stone Cellar Campground to the Town of Saguache. The Rio Grande Interbasin Roundtable's SMP Committee prioritized the project reaches, developed the project scope of work, and is committed to assisting in the project by participating in the technical advisory team (TAT). The TAT, which guides the SMP process, includes partners from water user groups, local environmental and recreation interests, and state and federal agencies.</p> <p>The SMPs are interdisciplinary and stakeholder-driven surface water plans. Using a combination of existing and newly collected remote sensing and targeted sampling data, the SMPs are characterizing the physical and biological condition of prioritized streams. The SMPs also utilize surveys and local knowledge to identify ecological, recreational, and community values. Requested WSRF funds will be used for stakeholder engagement, quantifying flow recommendations, preparing the final SMP report, and grant management. This process will result in the development of recommendations to improve flows and physical conditions of priority streams for environmental, recreational, and community benefits.</p>	
Objectives: (List the objectives of the project)	



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1. Maintain and build on the coalition of community partners engaged in stream management planning through frequent and robust stakeholder engagement throughout the project.
2. Summarize and obtain information regarding the biological, hydrological, and geomorphological condition of identified stream reaches in the Rio Grande watershed.
3. Define and prioritize environmental, recreational, and community values.
4. Develop goals to improve flows and physical conditions needed to support values.
5. Outline actions to achieve measurable progress toward maintaining or improving goals.
6. Identify opportunities and constraints for implementation of projects, and additional data needed to inform project development.

Tasks
Provide a detailed description of each task using the following format:
<u>Task 1 - (Name) Stakeholder Engagement</u>
Description of Task:
Maintain existing interest and continually build engagement in stream management planning by facilitating frequent and open conversations with diverse interests in the Rio Grande Basin.
Method/Procedure:
The project coordinator established a technical advisory team (TAT), which includes the existing Rio Grande Roundtable SMP Committee, partners from water user groups, local environment and recreation interests, and state and federal agencies, including CWCB, CPW, USFWS, USFS, BLM, and Natural Resources Conservation Service (NRCS). The coordinator provides project status updates and seeks feedback at regular organization meetings including the regular meeting of the Rio Grande Basin Roundtable, Rio Grande Water Conservation District, San Luis Valley Water Conservancy District, and Conejos Water Conservancy District. The coordinator also seeks feedback from the diverse water user groups including the Rio Grande Water Users Association, Conejos Water Users Association, Saguache Creek Water Users Association, and San Luis Valley Trout Unlimited. The coordinator and TAT will hold periodic meetings to review data and seek recommendations and feedback. These meetings and other status updates will be shared on the Rio Grande Basin Roundtable website, in newspapers, and on the radio. The project coordinator will continue to provide status updates and seek feedback from the TAT and community stakeholders throughout the SMP process.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)



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A representative and diverse coalition of community partners working to ensure the stream management planning process is completed in an open, inclusive manner with clear, actionable goals to protect and improve prioritized ecological, recreational, and community values.

CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)

CWCB will receive minutes from TAT meetings and documentation of stakeholder engagement.

Tasks
Provide a detailed description of each task using the following format:
<u>Task 2 - (Name)</u> Summarize Existing Information
Description of Task:
Review and summarize existing relevant information regarding the physical condition of the reaches, existing watershed plans and assessments, and land management directives.
Method/Procedure:
The project coordinator compiled existing information in an annotated bibliography and spreadsheet that outlines the known physical conditions of the stream reaches. Relevant studies and documents include (but are not limited to) the Rio Grande Basin Implementation Plan, Rio Grande National Forest (RGNF) Plan, the RGNF Federal Reserve Water Rights Decree, Bureau of Land Management (BLM) Plan, US Fish and Wildlife Service (USFWS) Refuge Management Plan, 2017 Upper Rio Grande Watershed Assessment, Rio Grande Headwaters Restoration Project 2001 Master Restoration Plan, 2016 Lower Rio Grande Study, Rio Grande Natural Area Plan, Habitat Conservation Plan, Colorado Parks and Wildlife (CPW) aquatic sampling and stocking information, Groundwater Management Plans, and the diversion structure inventory of the Rio Grande and Conejos River completed with funding from CWCB in 2006. The coordinator arranged interviews with technical experts and resource managers to gather additional subject matter and interpret the documents.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
A compilation of known data regarding the biological, hydrological, geomorphological, and physical conditions of the study reaches, in the form of an annotated bibliography. A spreadsheet outlining existing data and gaps in information where baseline or follow-up sampling is needed.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)



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Documentation of information summary, including annotated bibliography and spreadsheet summarizing existing information and identified data gaps where further study is needed.

Tasks
Provide a detailed description of each task using the following format:
Task 3 - (Name) Biology, Hydrology, Geomorphology, and Physical Conditions Assessment
Description of Task:
Use a combination of targeted sampling and remote sensing to assess current biological, hydrological, geomorphological, and physical conditions of the study reaches.
Method/Procedure:
<p>The condition of the Rio Grande from the headwaters at Stony Pass to the CO state line has been thoroughly documented through the 2018 Upper Rio Grande Watershed Assessment, the Rio Grande Headwaters Restoration Project 2001 Master Restoration Plan (2001 Study), 2016 Lower Rio Grande Study, and other management plans (Attachment A). Task 2 informed the coordinator of updates to the 2001 Study and the project coordinator initiated remote sensing and targeted sampling accordingly. The RGHRP and San Luis Valley Water Conservancy District are facilitating access to and assisting with characterization of diversion, headgate, and channel condition on the Rio Grande. The condition of Conejos River and Saguache Creek is largely undocumented. Therefore, the project coordinator, with input from the technical advisory team, developed a sampling strategy for documenting the condition of these rivers. The sampling strategy includes using field data and aerial imagery to break the river into homogenous subreaches, completing sampling at representative locations in each subreach that includes channel cross sections, pebble counts, plant community identification, macroinvertebrate sampling, assessments of floodplain function and connectivity, flow readings, and notes on the condition of structures such as bridges, diversions, and headgates within the floodplain. The Conejos Water Conservancy District has facilitated access to and assisted with characterization of the Conejos River, and the Saguache Creek Water Users Association has facilitated access to and assisted with characterization of Saguache Creek. Streamflow data is currently being compiled and analyzed using tabular and graphical methods for select locations on all three prioritized streams. A description of temporal and spatial hydrologic trends will be prepared for each reach, and flow adequacy for nonconsumptive and consumptive needs will be assessed in concert with the biological and geomorphological observations. Flow targets for recreational purposes are being determined using a boatable days study developed by American Whitewater. Flow targets for aquatic habitat are being determined using a combination of R2-Cross data and the input and knowledge of local fisheries biologists. The project coordinator has completed sampling within his expertise and is coordinating contractors, committee members, and technical experts to complete the remaining data collection. The coordinator is compiling and summarizing the data for the SMPs. The technical advisory team is reviewing the data and providing feedback on the findings and presentation of results, in an ongoing manner.</p>



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Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
A written assessment and associated maps and tables of biological, hydrological, geomorphological, and physical conditions of the study reaches on the Rio Grande, Conejos River, and Saguache Creek.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
CWCB will receive documentation of the completed assessments, as well as the data, if requested.

Tasks
Provide a detailed description of each task using the following format:
<u>Task 4 - (Name)</u> Identify and Prioritize Ecological, Recreational, and Community Values
Description of Task:
Utilize community feedback, stakeholder engagement, data from Tasks 2 and 3, and a partnership with American Whitewater to identify the extent of recreation opportunities within the study reaches, summarize distribution of and habitat needs for aquatic habitat and species, define priority ecological and floodplain functions, and determine community values.
Method/Procedure:
The project coordinator and American Whitewater (AW) are working with the technical advisory team, agency partners, water users, recreational boaters and fishermen, and environmental interests to identify the location and types of river based recreation opportunities within the study reaches. Project partners will collaborate with American Whitewater (AW) to complete a boatable days study on the Rio Grande between Rio Grande Reservoir and the Del Norte gage and the Conejos River between Platoro Reservoir and the Mogote gage. The boatable days study will identify the flows needed for whitewater boats, rafts, kayaks, paddle boards, and fishing crafts, the frequency with which those flows are present, and potential changes in boatable days due to climate change and water projects. The project coordinator is working with Trout Unlimited, outfitters, fishermen, and CPW to characterize distribution of fish species, locations of and flows to support different types of fishing, and desired flows and physical conditions to support aquatic management objectives. The project coordinator and community stakeholders will review field data and identify specific locations of importance within the stream reaches for flood protection, upland and aquatic habitat, water quality protection, agricultural water diversions, groundwater recharge, and sediment transport capacity. The data developed in Tasks 2, 3, and 4 will be used by the technical advisory group and stakeholders to identify and prioritize recreation, ecological, and community values within the study reaches.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)



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An inventory and understanding of the interplay between the types and location of river-based recreation, aquatic habitat and species distribution, fluvial and floodplain functions, groundwater recharge, and agricultural water use in the study reaches. Prioritized ecological, recreational, and community values with spatial and temporal considerations.

CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)

List of prioritized ecological, recreational, and community values as well as recommendations to meet flow requirements for recreation and aquatic species.

Tasks

Provide a detailed description of each task using the following format:

Task 5 - (Name) Develop Goals and Identify Methods for Implementation

Description of Task:

Utilize the assembled data regarding the physical condition of the stream reaches to develop goals and potential methods to improve and protect the identified ecological, recreation, and community values.

Method/Procedure:

The project coordinator will present the data assembled in Tasks 2, 3, and 4 to the technical advisory team, project cooperators, and different stakeholder groups. Feedback from partners will help determine if information gaps exist and, if so, identify the best methods for obtaining missing information. Additional information may be collected in a future phase of the project. The project partners will utilize the physical data and prioritized ecological, recreation, and community values to quantify numeric flow ranges and physical conditions to support values within each reach and subreach. The partners will determine the types of multi-purpose projects that could improve physical conditions, such as in-river structure updates, headgate automation, additional measurement devices, fish passage construction, furthering cooperative flow programs, riparian restoration, floodplain connectivity, flood protection, and aquifer recharge. Partners will also identify temporal, geographical, legal, or administrative constraints and opportunities that may limit or assist in the ability to meet goals and utilize implementation methods.

Grantee Deliverable: (Describe the deliverable the grantee expects from this task)

Well defined goals and methods to protect and improve the ecological, recreation, and community values in each of the stream reaches, with an understanding of limitations, constraints, and opportunities.

CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)



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Minutes from community meetings and lists of goals and actions identified during these meetings.

Tasks

Provide a detailed description of each task using the following format:

Task 6 - (Name) Report Preparation and Project Administration

Description of Task:

Prepare SMP report. Administer the project effectively by completing all necessary contracts, status reports, and internal and external documents. Ensure Tasks are completed within approved costs and timelines.

Method/Procedure:

The SMP coordinator will compile and organize data, maps, and reports from Tasks 1-5 into the final SMP report. The RGHRP will administer the project and oversee the project coordinator. This includes completing contracts with the CWCB, project partners, and contractors; managing invoices, budgets, and reimbursement requests; and completing reports. Additionally, the RGHRP will perform Project oversight; making certain implementation is timely and in accordance with the Scope of Work.

Grantee Deliverable: (Describe the deliverable the grantee expects from this task)

All appropriate contracts, external and internal reports, and Project activities completed within planned period and anticipated costs.

CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)

Documentation of all appropriate contracts, project activities and costs, and final SMP report.

Budget and Schedule

Exhibit B - Budget and Schedule: This Statement of Work shall be accompanied by a combined [Budget and Schedule](#) that reflects the Tasks identified in the Statement of Work and shall be submitted to CWCB in excel format. A separate excel formatted Budget is required for engineering costs to include rate and unit costs.

Reporting Requirements

Progress Reports: The grantee shall provide the CWCB a progress report every 6 months, beginning from the date of issuance of a purchase order, or the execution of a contract. The progress report shall describe the status of the tasks identified in the statement of work, including a description of any major issues that have occurred and any corrective action taken to address these issues. The CWCB may withhold reimbursement until satisfactory progress reports have been submitted.



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Final Report: At completion of the project, the grantee shall provide the CWCB a Final Report on the grantee's letterhead that:

- Summarizes the project and how the project was completed.
- Describes any obstacles encountered, and how these obstacles were overcome.
- Confirms that all matching commitments have been fulfilled.
- Includes photographs, summaries of meetings and engineering reports/designs.

Payments

Payment will be made based on actual expenditures, must include invoices for all work completed and must be on grantee's letterhead. The request for payment must include a description of the work accomplished by task, an estimate of the percent completion for individual tasks and the entire Project in relation to the percentage of budget spent, identification of any major issues, and proposed or implemented corrective actions.

The CWCB will pay the last 10% of the entire water activity budget when the Final Report is completed to the satisfaction of CWCB staff. Once the Final Report has been accepted, and final payment has been issued, the water activity and purchase order or contract will be closed without any further payment. Any entity that fails to complete a satisfactory Final Report and submit to CWCB within 90 days of the expiration of a purchase order or contract may be denied consideration for future funding of any type from CWCB.

Performance Requirements

Performance measures for this contract shall include the following:

(a) Performance standards and evaluation: Grantee will produce detailed deliverables for each task as specified. Grantee shall maintain receipts for all project expenses and documentation of the minimum in-kind contributions (if applicable) per the budget in Exhibit B. Per Grant Guidelines, the CWCB will payout the last 10% of the budget when the final deliverable is completed to the satisfaction of CWCB staff. Once the final deliverable has been accepted, and final payment has been issued, the purchase order or grant will be closed without any further payment.

(b) Accountability: Per the Grant Guidelines full documentation of project progress must be submitted with each invoice for reimbursement. Grantee must confirm that all grant conditions have been complied with on each invoice. In addition, per the Grant Guidelines, Progress Reports must be submitted at least once every 6 months. A Final Report must be submitted and approved before final project payment.

(c) Monitoring Requirements: Grantee is responsible for ongoing monitoring of project progress per Exhibit A. Progress shall be detailed in each invoice and in each Progress Report, as detailed above. Additional inspections or field consultations will be arranged as may be necessary.

(d) Noncompliance Resolution: Payment will be withheld if grantee is not current on all grant conditions. Flagrant disregard for grant conditions will result in a stop work order and cancellation of the Grant Agreement.

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COLORADO

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Colorado Water Conservation Board

Water Supply Reserve Fund

EXHIBIT B - BUDGET AND SCHEDULE - Direct & Indirect (Administrative) Costs

Date:

Water Activity Name: Rio Grande, Conejos River, and Saguache Creek Stream Management Plan

Grantee Name: Colorado Rio Grande Restoration Foundation

<u>Task No.</u> ⁽¹⁾	<u>Description</u>	<u>Start Date</u> ⁽²⁾	<u>End Date</u>	<u>Matching Funds</u> (cash & in-kind) ⁽³⁾	<u>WSRF Funds</u> (Basin)(3)	<u>Total</u>
1	Stakeholder Engagement	7/15/2019	06/30/2021	\$16,874	\$ 8,000.00	\$ 24,874.00
2	Summarize Existing Information	7/15/2019	06/30/2021	\$6,426	\$ -	\$ 6,426.00
3	Physical Conditions Assessment	7/15/2019	06/30/2021	\$130,000	\$ -	\$ 130,000.00
4	Identify and Prioritize Ecological and Recreation Value	7/15/2019	06/30/2021	\$76,260	\$ -	\$ 76,260.00
5	Develop Goals and Identify Methods for Implementation	7/15/2019	06/30/2021	\$48,200	\$ 8,000.00	\$ 56,200.00
6	Report Preparation and Project Administration	7/15/2019	06/30/2021	\$25,500	\$ 12,000.00	\$37,500
Total				\$303,260	\$28,000	\$331,260

(1) The single task that include costs for Grant Administration must provide a labor breakdown (see Indirect Costs tab below) where the total WSRF Grant contribution towards that task

(2) Start Date for funding under \$100K - 45 Days from Board Approval; Start Date for funding over \$100K - 90 Days from Board Approval.

(3) Round values up to the nearest hundred dollars.

• Additional documentation providing a Detailed/Itemized Budget may be required for contracting. Applicants are encouraged to coordinate with the CWCB Project Manager to determine

• Reimbursement eligibility commences upon the grantee's receipt of a Notice to Proceed (NTP)

The CWCB will pay the last 10% of the entire water activity budget when the Final Report is completed to the satisfaction of the CWCB staff project manager. Once the Final Report has

• Additionally, the applicant shall provide a progress report every 6 months, beginning from the date of contract execution

• Standard contracting procedures dictate that the Expiration Date of the contract shall be 5 years from the Effective Date.