



COLORADO

**Colorado Water
Conservation Board**

Department of Natural Resources

1313 Sherman Street, Room 718
Denver, CO 80203

May 25, 2017

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

RE: Notice to Proceed – WSRF Grant - POGG1 2017-1000 Rio Grande State Wildlife Area Design
Project in the Rio Grande River Basin

Dear Emma,

This letter is to inform you that the purchase order to assist in the above WSRF grant project has been approved. The documents attached to the email correspondence serve as your original contract documents.

With the executed agreement, you are now able to proceed with the project and invoice the State of Colorado for costs incurred through January 31, 2019. Please provide the project name, POGG1 number, and basin when corresponding with or invoicing for your project along with back-up documentation of cost incurred for the WSRF portion of the grant according to the original scope of work tasks. Upon receipt of your invoice(s), the State of Colorado will provide payment no later than 30 days after review and signed approval of the project manager.

Please refer to the WSRF Criteria & Guidelines on our website for the six month progress report and final deliverable requirements in order to avoid a delay in payment. A 30-day advance notice is required in the event you are seeking an amendment to the term of this agreement. An official letter of request to the CWCB project manager briefly describing the need for the extension, updated insurance certificates and updated schedule reflecting the specific tasks that require additional time to complete is required.

If you have any questions or concerns regarding the project, please contact Megan Holcomb, Project Manager at 303-866-3441 3222 or at Megan.holcomb@state.co.us. When submitting invoices and progress reports, please cc both the PM and myself at Dori.vigil@state.co.us. You can contact me at 303-866-3441 ext. 3250 for additional invoicing and payment disbursement questions.

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 / cwcw.state.co.com

Attachments





STATE OF COLORADO
Department of Natural Resources

ORDER		** IMPORTANT **				
Number: POGG1 PDAA 201700001000		The order number and line number must appear on all invoices, packing slips, cartons and correspondence				
Date: 05/24/17						
Description:		BILL TO				
PDAA 2500 WSRF - CRGRF - Wildlife Design Project in RG Basin		COLORADO WATER BOARD CONSERVATION				
Effective Date: 05/24/17 Expiration Date: 01/31/19		1313 SHERMAN STREET, ROOM 718				
		DENVER, CO 80203				
BUYER		SHIP TO				
Buyer:		COLORADO WATER BOARD CONSERVATION				
Email:		1313 SHERMAN STREET, ROOM 718				
		DENVER, CO 80203				
VENDOR		SHIPPING INSTRUCTIONS				
COLORADO RIO GRANDE RESTOR FNDTN		Delivery/Install Date:				
623 4TH ST		F.O.B: FOB Dest, Freight Allowed				
ALAMOSA, CO 81101-2522		VENDOR INSTRUCTIONS:				
Contact: .						
Phone: .						
Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
1	G1000		0	0.00	\$90,000.00	<input type="checkbox"/>
Description: PDAA 2500 WSRF - CRGRF - Wildlife Design Project in RG Basin						
Service From: 05/24/17 Service To: 01/31/19						
TERMS AND CONDITIONS						
https://www.colorado.gov/osc/purchase-order-terms-conditions						
DOCUMENT TOTAL = \$90,000.00						

Exhibit A: Statement of Work

WATER ACTIVITY NAME – Rio Grande State Wildlife Area Design Project

GRANT RECIPIENT – Colorado Rio Grande Restoration Foundation

FUNDING SOURCE – WSRA Rio Grande Basin Account

INTRODUCTION AND BACKGROUND

The Rio Grande State Wildlife Area (RGSWA) includes 4.5 miles of the Rio Grande and 1000 acres of diverse wetland and upland habitats. The Rio Grande flowing through the RGSWA is increasingly unstable, threatening water delivery to the San Luis Valley Canal, the Centennial Ditch as well as the Colorado Parks and Wildlife (CPW) siphon. In addition, the SLV Canal and Centennial Ditch adjacent to the RGSWA and the Rio Grande 2 Ditch further upstream are all aging and in need of repair. This Project addresses these concerns and protects critical wetland and riparian habitat through the design and implementation of streambank stabilization, riparian restoration, and the replacement of ageing irrigation infrastructure.

The WSRF request will fund the survey, design, and permitting for improvements to the SLV Canal Headgate, Centennial Ditch Diversion, and the Rio Grande 2 Diversion, resulting in three shovel ready diversion improvement projects.

The Project will protect wetland habitat, restore riparian habitat, enhance aquatic habitat, and improve the overall condition of the Rio Grande. Additionally, the Project will protect and replace agricultural irrigation infrastructure and protect public recreation opportunities. When complete, the project will ensure that the Rio Grande can continue to support the diverse human, agricultural, and ecological communities that depend on it.

OBJECTIVES

The objectives of the RGSWA Design Project are to:

- 1) Protect over 100 acres of critical wetland habitat through the stabilization of 1000 feet of streambank, protecting CWP water control infrastructure;
- 2) Restore 1 acre of riparian habitat along the Rio Grande in the project area;
- 3) Enhanced aquatic habitat through the construction of rock barbs and root wads for increased resting and feeding areas;
- 4) Improved water quality and river function through reduced sediment loading and improved floodplain connectivity;
- 5) Complete designs needed to implement 3 diversion infrastructure improvement projects;
- 6) Protect local recreation opportunities through the maintenance of high quality waterfowl habitat on the RGSWA;
- 7) Promote public involvement in water improvement activities through public outreach and education.

TASKS

TASK 1 – Design of Streambank Stabilization on RGSWA

Description of Task: Complete survey, design, and permitting for the streambank stabilization and riparian restoration on the RGSWA.

Method/Procedure: Riverbend Engineering will complete designs for the streambank stabilization and riparian restoration, including topographic surveying and base mapping, engineering planning, design, design review and cost estimating. Additionally, Riverbend Engineering will complete construction specifications and bid documents and obtain required permit documents.

Deliverables: Designs for the streambank stabilization and riparian restoration on the RGSWA.

TASK 2 – Construction of Streambank Stabilization

Description of Task: Implement channel shaping, streambanks stabilization, aquatic habitat enhancement and riparian revegetation techniques along the Rio Grande through the RGSWA.

Method/Procedure: A hired contractor will implement the designs developed in Task 1, which may include bank shaping, channel reconfiguration, rock or log structure installation, and riparian revegetation, including willow clump plantings. Upland areas disturbed during onsite activities will be reseeded with appropriate species.

Deliverable: Stabilized streambanks, reduced sediment loading, reestablished riparian vegetation, and reduced erosion, ultimately sustaining water delivery to 100 acres of wetlands by protecting CPW water control infrastructure.

TASK 3 – Design of Centennial Ditch Diversion Improvement

Description of Task: Complete survey, design, and permitting for the Centennial Ditch Diversion Improvement.

Method/Procedure: Riverbend Engineering will complete designs for improvements to the Centennial Ditch Diversion and adjacent streambank stabilization. This will include topographic surveying and base mapping, engineering planning, design, design review and cost estimating. Additionally, Riverbend Engineering will complete construction specifications and bid documents and obtain required permit documents.

Deliverable: Designs and permits required for the implementation of the Centennial Ditch Diversion improvement and associated streambank stabilization.

TASK 4 – Design of San Luis Valley Canal Headgate Improvement

Description of Task: Complete survey, design, and permitting for the San Luis Valley Canal Headgate Improvement.

Method/Procedure: Riverbend Engineering will complete designs for improvements to the San Luis Valley Canal Headgate and adjacent streambank stabilization. This will include topographic surveying and base mapping, engineering planning, design, design review and cost estimating. Additionally, Riverbend Engineering will complete construction specifications and bid documents and obtain required permit documents.

Deliverable: Designs and permits required for the implementation of the San Luis Valley Canal Headgate improvement and associated streambank stabilization.

TASK 5 – Design of Rio Grande 2 Diversion Improvement

Description of Task: Complete survey, design, and permitting for the Rio Grande 2 Ditch Diversion Improvement.

Method/Procedure: Riverbend Engineering will complete designs for improvements to the Rio Grande 2 and adjacent streambank stabilization. This will include topographic surveying and base mapping, engineering planning, design, design review and cost estimating. Additionally, Riverbend Engineering will complete construction specifications and bid documents and obtain required permit documents.

Deliverable: Designs and permits required for the implementation of the Rio Grande 2 Diversion improvement and associated streambank stabilization.

TASK 6 – Monitoring

Description of Task: Monitor the site following construction using the RGHRP Sampling and Analysis Plan (SAP) and CPW sampling methods

Method/Procedure: CPW and RGHRP staff will monitor the project area regularly to ensure the success of project methods and the maintenance of quality wetland habitat on the RGSWA. Photo points and river cross sections will be used to track the condition of riparian plant communities, bank stabilization, an overall visual condition of the project area before and after construction. The United States Department of Agriculture's Stream Visual Assessment Protocol II (SVAP II) will be used to assess the site before construction and for two years after construction. Data collection will be summarized and reported annually.

Deliverable: Annual Reports will compare current data to prior data in order to demonstrate the relative stability of the stream bank and to evaluate the degree of improvement in the riparian condition.

TASK 7 – Project Management, Outreach and Education

Description of Task: Complete project oversight, management, and partner coordination. Conduct public outreach and education program to raise awareness of the RGSWA Project activities and the RGHRP, and encourage other landowners and agencies to participate in future projects.

Method/Procedure: The RGHRP staff will perform project oversight and outreach and education. This will include coordinating partner meetings; completing contracts with project partners, landowners and contractors; obtaining necessary environmental permits; organizing outreach and education efforts; and completing site monitoring in partnership with CPW. Outreach and Education efforts will include developing visual aids and written material showing proposed work; making presentations at the SLV Wetlands Area Focus Committee; Rio Grande Interbasin Roundtable, quarterly board meetings of the Rio Grande Water Conservancy District; board meetings of the San Luis Valley Water Conservancy District, and to specific public meetings; and hosting project tours. RGHRP staff and volunteers will complete project outreach and education.

Deliverable: All appropriate contracts, meetings, reports, and on-site Project activities completed within planned period and anticipated costs. Outreach and education efforts will result in a public that is better

informed and more aware of river related issues, including site-specific methodologies used to achieve project objectives.

TASK 8 – Project Administration

Description of Task: Complete all necessary grant contracts and status reports. Ensure Tasks are completed within approved costs and timelines.

Method/Procedure: The RGHRP will administer the RGSWA Design Project and WSRF Grant. This includes completing contracts with the CWCB, project partners, and contractors; managing budgets and reimbursement requests; and completing semi-annual and final reports.

Deliverable: All required contracts, grant reports, and funded activities completed within planned timeline and budget.

REPORTING AND FINAL DELIVERABLE

Reporting: The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of the executed contract. The progress report shall describe the completion or partial completion 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.

Final Deliverable: At completion of the project, the applicant shall provide the CWCB a final report that summarizes the project and documents how the project was completed. This report may contain photographs, summaries of meetings and engineering reports/designs.

BUDGET

Project Budget: Rio Grande State Wildlife Area Design Project

Task	WSRF Rio Grande Basin Account Request	Matching Funds			In-Kind Match		TOTAL
		CPW- Wetlands Program	NAWCA*	GOCO Habitat Restoration Grant	CPW	CRGRF	
Task 1: Survey and Design of streambank stabilization	\$ -	\$ -	\$ 20,000.00	\$ -	\$ -	\$ -	\$ 20,000.00
Task 2: Construction and materials streambank stabilization	\$ -	\$ 24,990.00	\$ 40,000.00	\$ 25,000.00	\$ -	\$ -	\$ 89,990.00
Task 3: Survey, design, and permitting for Centennial Ditch Diversion Improvement	\$ 28,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 28,000.00
Task 4: Survey, design, and permitting for SLV Canal Headgate	\$ 32,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 32,000.00
Task 5: Survey and Design forRio Grande 2 improvement project	\$ 16,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,000.00
Task 6: Monitoring	\$ -	\$ -	\$ -	\$ -	\$ 10,000.00	\$ -	\$ 10,000.00
Task 7: Project Management, Outreach and Education	\$ 12,000.00	\$ -	\$ -	\$ -	\$ -	\$ 4,000.00	\$ 16,000.00
Task 8: Project Administration	\$2,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,000.00
TOTAL	\$ 90,000.00	\$ 24,990.00	\$ 60,000.00	\$ 25,000.00	\$ 10,000.00	\$ 4,000.00	\$ 213,990.00
PERCENT OF TOTAL BUDGET	42%	12%	28%	12%	5%	2%	100.00%

* Pending Funds

Timeline Table for the Rio Grande State Wildlife Area Design Project								
TASKS	Year 1: 2017				Year 2: 2018			
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Task 1: Survey and Design for streambank stabilization								
Task 2: Construction of streambank stabilization and riparian restoration								
Task 3: Survey, design and permitting for Centennial Ditch diversion improvement								
Task 4: Survey, design and permitting for SLV Canal headgate improvement								
Task 5: Survey, design and permitting for Rio Grande 2 diversion improvement								
Task 6: Monitoring/Evaluation								
Task 7: Project Management, Outreach and Education								
Task 8: Project Administration								

Final Deliverable and Billing - January 31, 2019

Exhibit B: Maps

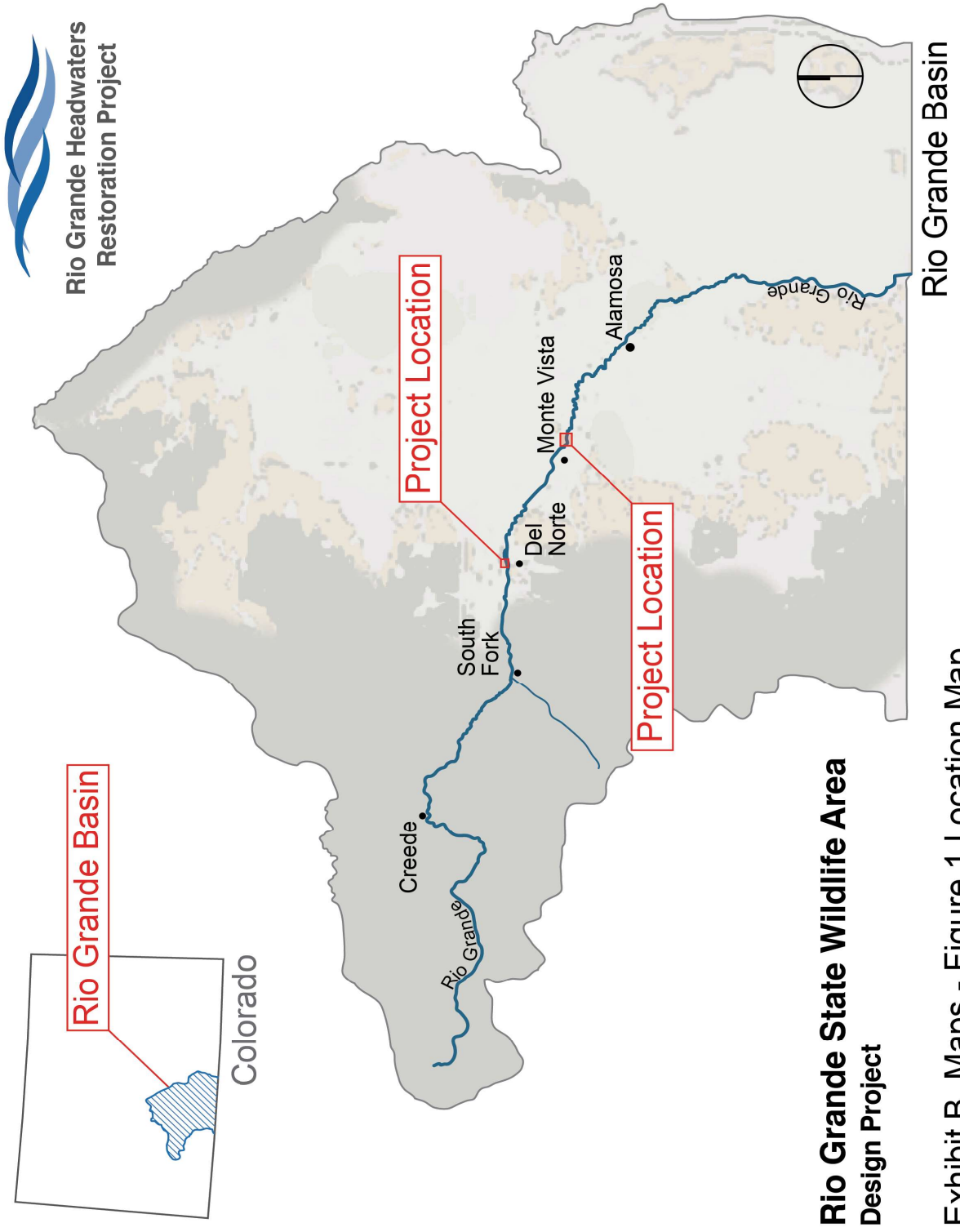


Exhibit B. Maps - Figure 1 Location Map

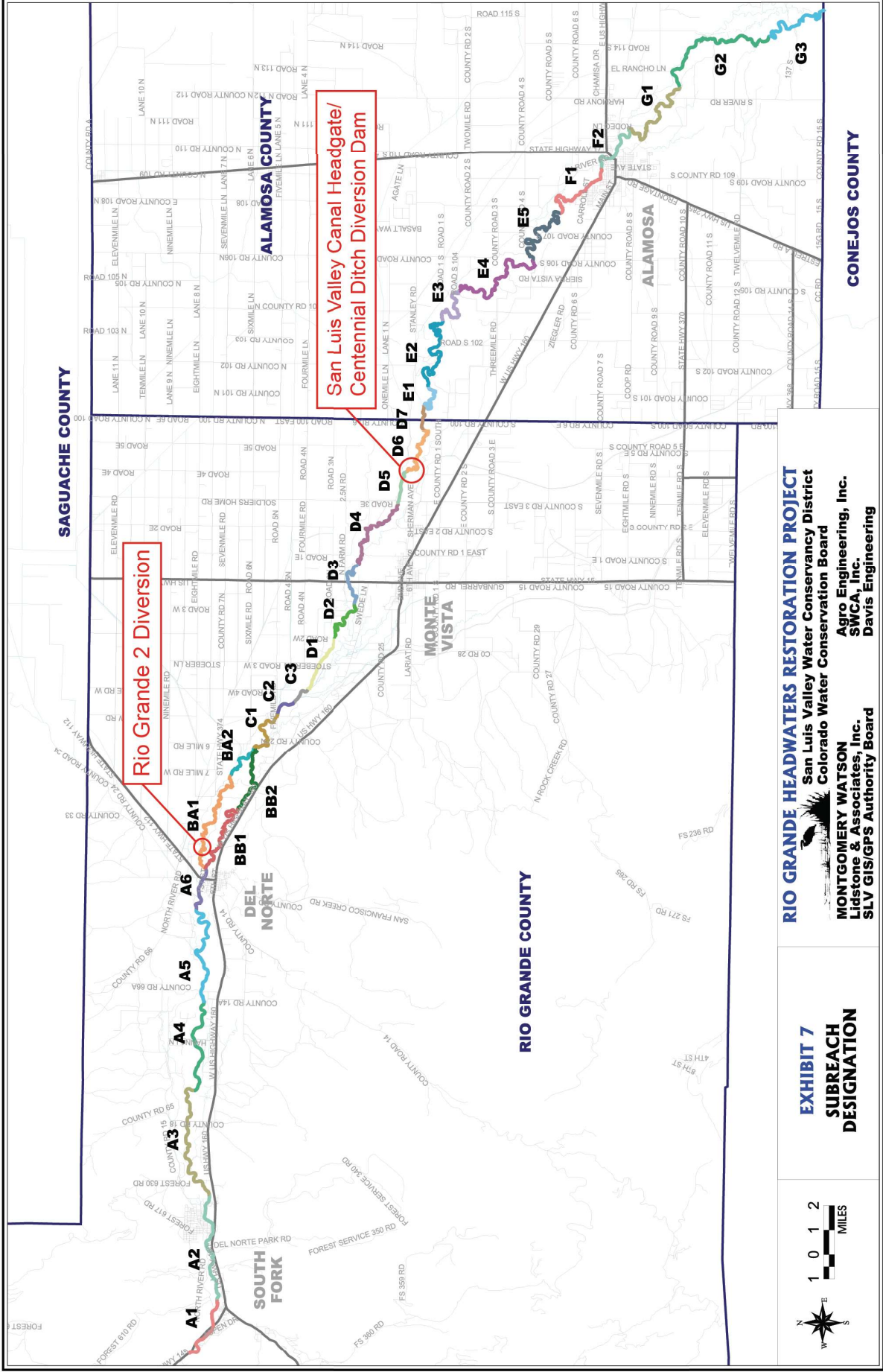
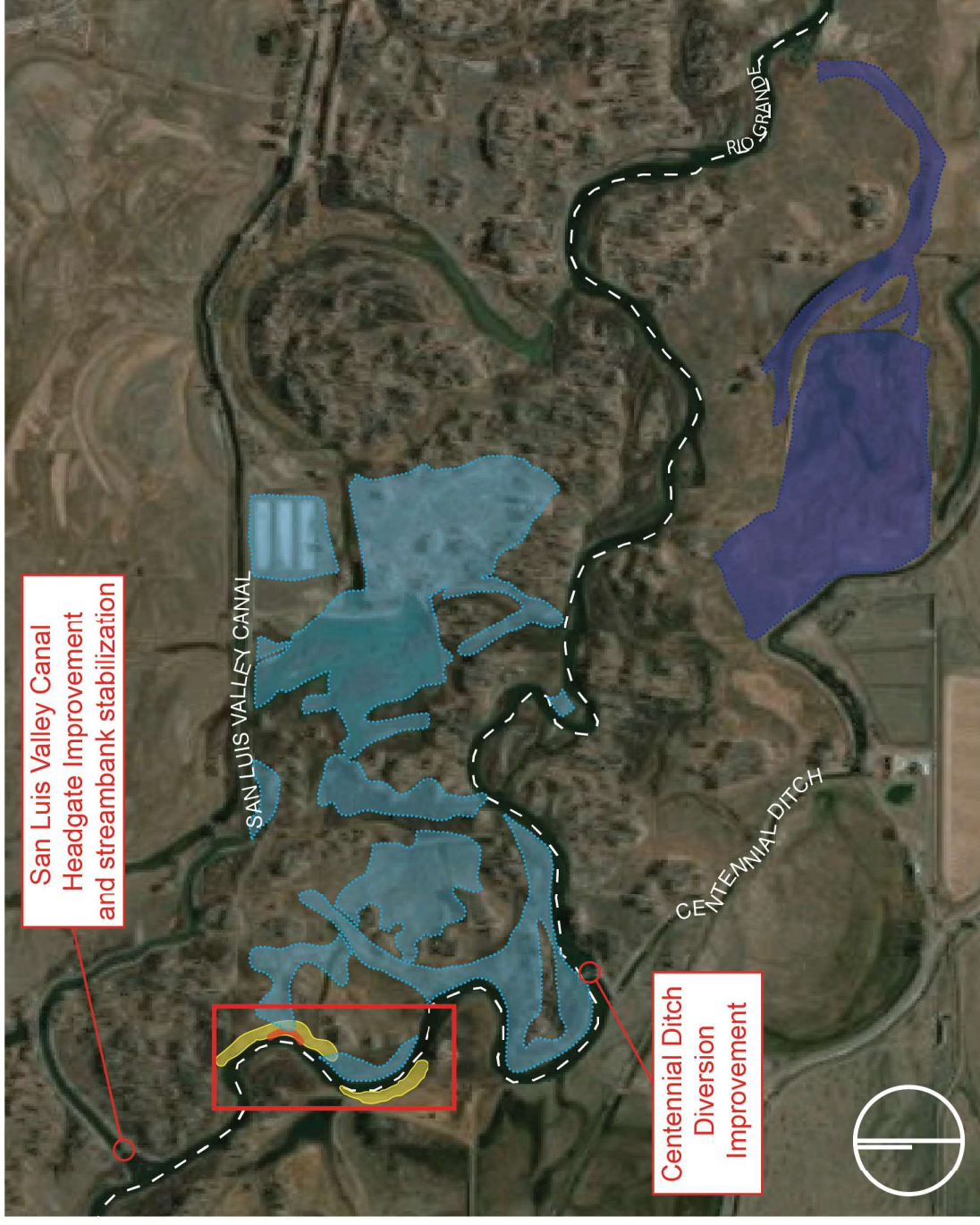
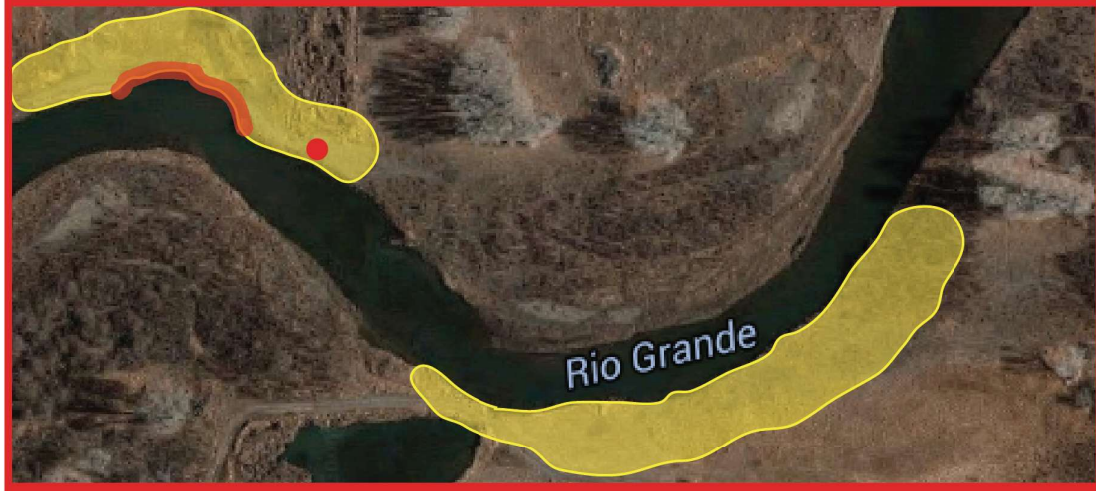


Exhibit B. Maps - Figure 2



- Jurisdictional wetlands watered by Centennial Headgate (35 acres)
- Jurisdictional wetlands watered by siphon (65 acres)
- Streambank stabilization and riparian restoration areas
- This streambank is eroding at an accelerated rate and threatening infrastructure

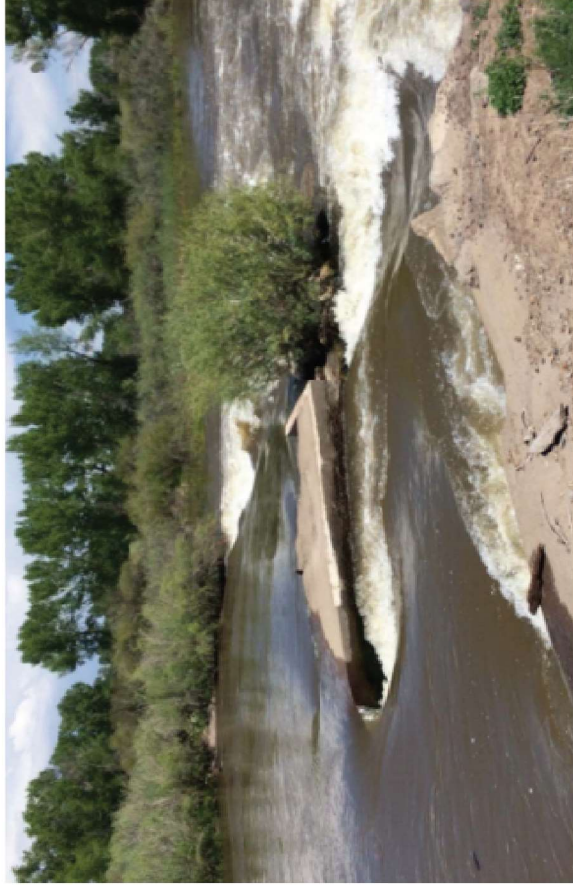
Exhibit B. Maps - Figure 3 Project Map



CPW Siphon and Wetlands



San Luis Valley Canal Headgate



Centennial Ditch Diversion Dam



Rio Grande 2 Diversion