



**Garfield Pitkin Counties Conservation Districts**  
**Bookcliff, Mount Sopris & South Side Conservation Districts**  
258 Center Drive, Glenwood Springs, CO 81601  
970-404-3439

June 29, 2022

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Roundtable: Colorado River  
Date of approval: 12/16/2019  
Contract number: POGG1 2020-2609

Dear Mr. Wade and the Colorado Water Conservation Board,

**Summary:**

As part of the Integrated Watershed Management Planning efforts in the Middle Colorado River, the Bookcliff, South Side and Mount Sopris Conservation Districts undertook a ditch inventory to aid landowners in identifying projects, programs and best management practices that can be advanced to resolve, mitigate, or improve upon water-related gaps, infrastructure needs, habitat requirements or species-specific needs as well as providing information on potential funding mechanisms. As part of the project, the consumptive use group collaborated with the Middle Colorado Watershed Council to coalesce the consumptive and non-consumptive needs of the region. The end goal was to develop an Integrated Water Management Plan for the Middle Colorado River that included all water users.

The technical portion that we completed is Appendix H of the completed Integrated Water Management Plan. This covers the Consumptive use portion of the plan.

- Agricultural Production
- Municipal Water Supply
- Industrial Processing and Resources Extraction

This appendix was condensed "Middle Colorado River Agricultural Water Use Analysis and Infrastructure Assessment" covering:

- Background of History of Agriculture in the area
- Water Administration in the Middle Colorado
- Agricultural Infrastructure
- Agricultural Production
- Agricultural Water Storage
- IWMP Consumptive Use Goals, Objectives and Actions
  - Example: Kendig Reservoir to reduce agricultural shortages

The Consumptive Use appendix and adapted Agricultural Water Use Analysis and Infrastructure Assessment were then used in concurrence with work completed by the other advisory committees: Aquatic, Water Quality/Riparian and Recreational to create the final "Middle Colorado River Integrated Water Management Plan."

Beyond the writing of the plan the Bookcliff, Mount Sopris and South Side Conservation Districts also conducted outreach to engage water users and non-consumptive water users. This included a three part video service that covered:

1. Historical Water Use Practices and Efficiency Changes
2. Value of Cultivated Land and Open Space
3. Water Storage

- a. Example Model: Kendig Reservoir

We were able to complete further outreach that included: Presenting and hosting at several local meetings based around Water Management Plans and Water Use and continued follow-up with implementing recommendations from the ditch inventory completed under POGGI 2018-1014. We were able to take our interactive stream trailer to local schools that viewed the video series and were able to model stream and irrigation system designs that could be tested with different flow rates.

### **Obstacles:**

The timeline December of 2019 - June of 2022 of this grant saw lots of unknowns around the pandemic and changes in staffing with all organizations involved in completing the plan. This had a large impact on our ability to host events and complete the outreach portions of this grant. To help combat this, we shared our video series on as many platforms as available. We included the plan and appendix H in follow-up work with water users from our ditch inventory. We share the appendix and related work while administering programs we have including our Conservation Practice Cost share that provides technical assistance and funding for irrigation infrastructure improvements. This year several of these recommended treatments from the Ditch Inventories have been completed.

There were many challenges that arose with the changing in staffing with both our District Staff and Middle Colorado Water Council. Momentum on moving the plan forward was lost with each change as there was a 'catching up' on understanding of past work that was required in place of moving work forward. This also led to some changes in approaches to the plan and an inevitable loss of understanding from not being involved at the start of the planning.

### **Budget:**

The above obstacles had a large impact on the budgeting of this grant, the limits to our ability to complete outreach. Additionally, the changes in staffing slowed the momentum of work. This combination led to the overall project coming in far under budget. However, the Project Objectives were completed.

Project Objectives:

1. Conduct and attend focus group meetings with municipal, industrial, agricultural, and the IWMP Advisory Committee. In addition, a series of short videos on agricultural practices will be developed.
2. Drafting of the Integrated Watershed Management Plan for consumptive uses in the Region including background research and plan documents. Incorporate findings from the ditch assessment to improve State planning models.
3. Review documentation and seek to improve the newly releases Surface Water Supply Initiative models with information gathered during the ditch inventory.
4. Interaction and collaboration with non-consumptive users in the Region for purposes of coalescing the IWMP.
5. Educational roll-out for focus groups and other groups developing integrated watershed management plans across the State.


The Statement of Work and tasks, considering the limits on outreach are completed. There has been a push as COVID Protocols have freed up to increase outreach. This led to the board of supervisors of all three districts voting to return the unused money in place of seeking permission to expand the scope of work. Per emails with the grant administrator the change in budget used was met with a one to one match. See attached spreadsheet of cash and in kind matches. Also included with this final report is a breakdown of the tasks and associated proof of work that meet the required deliverables.

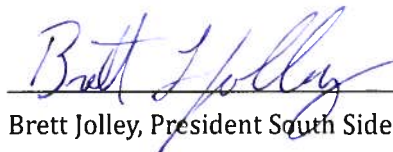
**In Conclusion:**

This grant allowed us to further the work completed under the Colorado Water Conservation Board's Water Supply Reserve Fund Grant. In spite of the challenges and unused budget the final Middle Colorado Integrated Water Management Plan is complete and is a living document. Our work to complete the Consumptive Use portion and the condensed "Middle Colorado River Agricultural Water Use Analysis and Infrastructure Assessment" has lead to outreach that will continue past the grant and will further our ability to meet our goal through existing and new programs of providing technical and financial assistance to land and water users to help preserve our natural resources.

Thank you for your support,

 28 June 2022  
Raymond Langstaff, President Bookcliff Conservation District

 06/27/2022  
Jeff Nieslanik, President Mount Sopris Conservation District

 6/28/22  
Brett Jolley, President South Side Conservation District

### **Task 1 - Meeting and Outreach**

- Description of work completed:
  - Continued meetings with Municipal, Industrial and Agricultural Groups.
    - Included Deliverables:
      - Videos from Meetings
      - Minutes from Meetings
      - Final Action Plan
  - Video Series
    - Included Deliverables:
      - Youtube Channel with all completed videos
        - Have been shown at our Annual Dinner, Garfield County's Board of County Commissioner's Working Group meeting and local school groups. They have also been shared with several partners.
      - Sponsored Post - Analytics for all three videos

## **Task 2 - Drafting of the Integrative Watershed Management Plan**

- Description of work completed:
  - Research and collaboration with Middle Colorado Water Council and consulting engineers to draft and finaliar the IWMP.
    - Included Deliverables:
      - Newsletters from MCWC
      - Virtual Meetings
      - Final Consumptive Use Portion of the IWMP
      - Final Middle Colorado IWMP
  - Recommendations on Demand Management from water users
    - Included Deliverables:
      - Data/Input Collected at Local Working Group to access water concerns and used practices locally.

### **Task 3 - SWSI Modeling**

Work on Task 3 - SWSI Modeling had to shift considering that meeting with landowners to review acreage reports was not possible with pandemic shut downs and protocols. The work completed under this task shifted from reviewing acreage reports to looking at different scenarios of stream flows and where there would be shortages. We also looked at Bulk Water Hauling sales from the water stations in three municipalities. This work was included in the final Integrated Water Management plan and helped tie in other Consumptive Use beyond agriculture.

- Included Deliverables:
  - Acreage reports for Water Districts
    - Preliminary Findings
  - Stream Flow Shortages by scenario
    - Including Kendig Model
  - Bulk Water Sales
    - Silt, Parachute and Rifle

#### **Task 4: Interactions with Non-Consumptive Users**

- Description of work completed:
  - Meetings and Planning with Non-Consumptive Use focus groups.
    - Included Deliverables:
      - Community Engagement Plan - Created in collaboration with MCWC. Updated at the start of this grant.
      - Goals workshop powerpoint
      - List of virtual meetings attended by board members, staff members and engineering firm staff - Because Virtual no sign in sheet to provide.
      - Also see the Final IWMP included in deliverables for Task-2 Deliverables
  - Board Member took members of Non-Consumptive group and journalist irrigating on his property.

## Task 5: Education Roll Out

- Description of work completed:
  - Ag Water Workshop Hosted with Colorado Ag Water Alliance
    - Included Deliverables:
      - Sign-in
      - Pictures
      - Presentation
      - Advertisement
  - Presentations
    - Presented at:
      - Garfield County Water Forum
      - Colorado River District's "State of the River"
      - Ditch and River Company Alliance
      - IWMP Update and Focus Group Meetings
  - Events where Water Trailer was used
    - Description of events
    - Photos from events
      - **Water Trailer to three local middle Schools:**

One 7th grade class was learning about Mesopotamian Agricultural and Irrigation practices. Each student group had to design an irrigation system and build it in the water trailer. We rode bikes around town to look at different irrigation system infrastructure. The videos were shown and some of the consumptive use portion of the IWMP was shared.
      - **Colorado Heritage Center - Ranch Day/Riparian Habitat**

Water trailer and staff attended a field day with the Colorado Heritage Center and CSU Graduate Students. IWMP was presented and Water Trailer was used to design Riparian Habitat Areas.



**Budget POGG1 2020-2609**

Balance as of last reimbursement	\$48,264.01
Total Grant	\$95,000.00

**Match Details: Spent: 49.19% round to 50% Assuming 1:1 Match**

	Original	Spent	Description
<b>CWP Grant Request Amount</b>	<b>\$95,000.00</b>	<b>\$46,735.99</b>	
Other Funding Sources: CACD	\$2,500.00	\$0.00	Lost funding
Other Funding Sources: Colorado Basin Roundtable	\$1,000.00	\$500.00	POGG1 2018-1014
Other Funding Sources: GarPit CDs	\$2,500.00	\$1,250.00	See Sheet: "Bills not Reimbursed" and "Staff Time not Reimbursed"
WSRF Match	\$46,518.00	\$23,259.00	POGG1 2018-1014
Applicant Funding	\$54,151.00	\$27,075.50	See Sheet: "Bills not Reimbursed" and "Staff Time not Reimbursed"
Inkind (CD Board Member Time)	\$8,712.00	\$4,356.00	See sheet: "In Kind Hours"

**Total Match from Applicant - Assuming 1:1 Match of used Grant Funding**

	Required	Actual
Cash	\$28,325.50	\$28,458.01
Inkind	\$4,356.00	\$10,527.00

## Board Member and Community Members Hours

Date	Activity	Hours	Total Board Members Present	Community/ Partner Members Present	Total Hours	In-Kind Match @ \$22 per hour	Board Members Present	Description/Notes
2020								
1/29/2020	Board Member Present at Colorado Water Congress "Stream Management Plans Aren't Just for Fish: Leveraging SIMPs for Diverse Needs" - prep and time at conference	20	1		20	\$440.00	Sara Dunn	<a href="https://www.cowatercongress.org/uploads/7/1/9/2/119211024/2020_annual_conve_nion_workshops_pmt_final_1.pdf">https://www.cowatercongress.org/uploads/7/1/9/2/119211024/2020_annual_conve_nion_workshops_pmt_final_1.pdf</a>
3/6/2020	Board Member Present DARCA Annual Conference "Is Stream Management Planning Important" - Prep and Time @ Meeting	15	1		15	\$330.00		
7/7/2020	Joint meeting - Discussion of outline/budget for videos	1	10		20	\$440.00		
10/20/2020	BC Monthly Meeting discuss showing videos to GarCO Commissioners	0.5	5	0	2.5	\$55.00	Charles, Tony, Sara, Mike and Raymond	
12/9/2020	Draft Video Review and feedback	2	14		24	\$528.00	All viewed videos	Shared Videos and got input from CCA and NRCS
DECEMBER	Review of drafts of videos and feedback	1	15	3	18	\$396.00		
2021						\$0.00		
01/19/2021	Discussion of Videos and water plan at BC Monthly meeting	1	4		4	\$88.00	Charles, Mike, Sara and Raymond	
01/20/2021	Discussion of Videos and water plan at MS Monthly meeting	1	5		5	\$110.00	Jeff, Sandy, Robert, Mike and Cassie	
01/22/2021	Discussion of Videos and water plan at SS Monthly meeting	1	3		3	\$66.00	Brett, Peter and Nick	
02/16/2021	Discussion of water plan billing and upcoming meeting at MS Monthly meeting	0.5	3	1	2	\$44.00	Jeff, Sandy and Robert	Stephen NRCS
02/25/2021	BC Monthly Meeting Water Plan Bills and Update	0.5	5	2	3.5	\$77.00	Charles, Mike, Sara, Tony and Raymond	Steve GARCO VEG MGT, Stephanie NRCS
MAY	2nd Draft of Videos sent and reviewed	1	14		14	\$308.00	All	
05/20/2021	BC Monthly Meeting Water Plan Bills, Video Discussion and Update	0.5	5		2.5	\$55.00	Charles, Mike, Sara, Tony and Raymond	
05/11/2021	Discussion of Videos and water plan at MS Monthly meeting	0.5	4	1	2.5	\$55.00	Jeff, Sandy, Robert and Cassie	Stephen NRCS
06/10/2021	SS Monthly Meeting Water Plan Bills and Update	0.5	4		2	\$44.00	Brett, Peter and Sarah T	
06/17/2021	BC Monthly Meeting Water Plan Bills, Video Discussion and Update	0.5	3		1.5	\$33.00		
06/15/2021	Discussion of Videos and water plan at MS Monthly meeting	0.5	3	1	2	\$44.00		
JULY	Joint Meeting Water Plan Discussion and Trout Unlimited Presentation	1	11	2	13	\$286.00		Task 4: Interaction with Non-Consumptive User
08/19/2021	BC Monthly Meeting Water Plan Bills (Dispute bill from Wendy), Video Discussion and Update	1	5		5	\$110.00	Charles, Mike, Tony and Raymond - Angela SS	
08/10/2021	MS Monthly Meeting Water Plan Bills (Dispute bill from Wendy), Video Discussion and Update	1	3	0	3	\$66.00		
09/14/2021	MS Monthly Meeting Update and budget	0.5	3	1	2	\$44.00	Stephen NRCS	
09/23/2021	BC Monthly Meeting Water Plan Bills and Update	0.5	6		3	\$66.00		
09/14/2021	SS Monthly Meeting Water Plan Bills and Update - Discussion of Videos and Budget	0.5	3		1.5	\$33.00	Brett, Peter and Angela	
12/3/2021	Showing of Water Plan Videos at Annual Dinner	0.5	8		4	\$88.00		
12/3/2021	Attendees at Annual Dinner viewed videos and were given an update of the water plan.	0.5		35	17.5	\$385.00		OUTREACH
2022								
1/18/2022	Joint Meeting - Water Plan	2.5	11		25	\$550.00	MS: Jeff, Cassie, Robert, Mike BC: Charles, Sara, Mike, Tony SS: Brett, Peter, Angela	Staff: Hannah, Mike and Emily and Wendy
02/04/2022	Garfield County Water Forum - Board member attendance update included IWMP	2	3	5	16	\$352.00	Brett, Raymond and Sara, Sam Potter committee member, BOCC member, Paula Stepp	Task 4: Interaction with Non-Consumptive User
02/09/2022	MS Monthly Meeting - Discussion of Budget and remaining work, Planning for Ag Water Workshop	2	3	1	8	\$176.00	Jeff, Sandy and Robert, Stephen, NRCS	Staff: Emily
02/09/2022	SS Monthly Meeting - Discussion of Budget and remaining work, Planning for Ag Water Workshop	1.5	6	1	10.5	\$231.00	SS: Brett, Nick, Peter and Angela, BC: Charles and Raymond (CSCB Board Member) Stephen, NRCS	Staff: Emily
02/17/2022	BC Monthly Meeting - Discussion of Budget and remaining work, Planning for Ag Water Workshop	2	6	1	14	\$308.00	BC: Raymond, Charles, Tony, Mike and Sara, SS: Angela NRCS, Stephen	Staff: Emily
03/02/2022	What will your "Ditch look like in 20 Years?" Workshop with Colorado Ag Water Alliance	4	4	30	136	\$2,992.00	Robert Burry, Mike Wilde, Raymond Langstaff, Sara Dunn	Staff: Emily - Sign in from event included.
03/09/2022	SS Monthly Meeting - Discussion of Budget and remaining work, Re-cap and follow up for Ag Water Workshop	3	1		3	\$66.00	Brett, Peter, Angela	Staff: Emily

Outreach Event

## Board Member and Community Members Hours

Date	Activity	Hours	Total Board Members Present	Community/ Partner Members Present	Total Hours	In-Kind Match @ \$22 per hour	Board Members Present	Description/Notes
03/15/2022	MS Monthly Meeting - Discussion of Budget and remaining work. Re-cap and follow up for Ag Water Workshop	3	1	0	3	\$66.00	Jeff, Sandy and Robert, Stephen, NRCS	Staff: Emily
03/17/2022	Ditch Inventory Review and IWMP Discussion with Ditch Company	2	0	2	4	\$88.00	Paul Ditch Pres. , Emily and Mike	
03/17/2022	BC Monthly Meeting - Discussion of Budget and remaining work. Re-cap and follow up for Ag Water Workshop	1	5	1	6	\$132.00		Staff: Emily
03/28/2022	Round Table Presentation	6	1		6	\$132.00	Raymond Langstaff presentation and prep Staff: Emily	Task 4: Interaction with Non-Consumptive User
04/14/2022	Ditch Inventory Follow-up with Aspen Valley Land Trust discussion and Questions about IWMP	1.5	0	4	6	\$132.00		Staff: Emily and Mike
04/19/2022	SS Monthly Meeting - Discussion of Budget and remaining work. Re-cap and follow up for Ag Water Workshop	0.5	3	0	1.5	\$33.00		Staff: Emily
04/19/2022	MS Monthly Meeting - Discussion of Budget and remaining work. Re-cap and follow up for Ag Water Workshop	1	4	1	5	\$110.00		Staff: Emily
04/20/2022	BC Monthly Meeting - Discussion of Budget and remaining work. Re-cap and follow up for Ag Water Workshop	1	5	1	6	\$132.00		Staff: Emily
05/03/2022	Colorado River Districts "State of the River" - Raymond Presentation	5	1		5	\$110.00		Task 4: Interaction with Non-Consumptive User
05/03/2022	Attend Colorado River Districts "State of the River"	2	3	1	8	\$176.00	Raymond, Angela, Charles and Ginny	
06/09/2022	Joint Meeting - Review final report and 4th Video Viewing	1	10	2	12	\$264.00	BC: Raymond, Tony, Charles SS: Brett, Peter, Nick, Angela MS: Jeff, Sandy, Mike	
06/16/2022	Bookcliff board President meet with Trout Unlimited Richard Van Gyenbeek to review potential further work on Fish Passage	2	1	1	4	\$88.00	Raymond Langstaff and Richard Van Gyenbeek	Task 4: Interaction with Non-Consumptive User
06/16/2022	West Divide Water Conservancy - Board Meeting Review Kendig Video	0.5		6	3	\$66.00		Board Reviewed and provided feedback on Video
06/23/2022	Inventory Review w/ Ditch Company in MS - Discussion of IWMP/Consumptive use and potential funding	1		2	3	\$66.00		Staff: Emily and Mike Ditch Vice President and Walker
06/27/2022	Review of Final Report/Deliverables and signatures of presidents	0.5	6	0	3	\$66.00		
Totals:						478.5	\$10,527.00	

Outreach Event

11/01/2021 - 06/28/2022

QuickBooks Payroll Reports

**Rates & Hours worked for (All)**

Customer: Job (All)

Item Type Compensation

SSN/Tax ID	Transaction Name	Payroll Item	Rate	Hours	Paid Amount
	Hannah M Judge	Water Plan	20.5	33	676.5
	Michael T. Kishimoto	Water Plan	25	200	5,000.00
	Emily A Schwaller	Water Plan	26.5	338	8,957.00
Grand Total				571	14,633.50

Date	From	For	Amount	Status
09/02/2021	Colorado River Engineering	Task 5- Roll out and focus groups	\$1,063.75	P/D Check #591
09/01/2021	Align Multimedia	Videos	\$6,195.00	P/D Check #593
02/16/2022	Colorado River Engineering	Task 5	\$1,207.50	P/D Check #596
03/09/2022	CO Ag Water Alliance	Outreach Event	\$220.00	P/D Check #597
03/11/2022	Colorado River Engineering	Task 1 & 3	\$747.50	P/D Check #598
04/13/2022	Colorado River Engineering	Task 1 & 4	\$1,120.00	P/D Check #599
05/01/2022	Colorado River Engineering	Files on Drive	\$350.00	P/D Check #601
04/21/2022	Walmart	External Hard Drive for all files from Colorado River Engineering	\$48.84	P/D Check #600
06/27/2022	Align Multimedia	4th Video Kendig	\$2,750.00	P/D Check #602
06/20/2022	Facebook	Sponsor Videos	\$121.92	P/D Check #603

Total **\$13,824.51**