



Last Update: August 3, 2017

Colorado Water Conservation Board
Water Supply Reserve Fund Grant Application

Instructions		
<p>All WSRF grant applications shall conform to the current 2016 WSRF Criteria and Guidelines.</p> <p>To receive funding from the WSRF, a proposed water activity must be approved by a Roundtable(s) AND the Colorado Water Conservation Board (CWCB). The process for Roundtable consideration and recommendation is outlined in the 2016 WSRF Criteria and Guidelines. The CWCB meets bimonthly according to the schedule on page 2 of this application.</p> <p>If you have questions, please contact the current CWCB staff Roundtable liaison:</p>		
Arkansas Ben Wade ben.wade@state.co.us 303-866-3441 x3238	Gunnison North Platte South Platte Yampa/White Craig Godbout craig.godbout@state.co.us 303-866-3441 x3210	Colorado Metro Rio Grande Southwest Megan Holcomb megan.holcomb@state.co.us 303-866-3441 x3222

WSRF Submittal Checklist (Required)	
X	I acknowledge this request for funding was recommended for CWCB approval by the sponsoring Basin Roundtable(s).
X	I acknowledge I have read and understand the 2016 WSRF Criteria and Guidelines .
X	I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract . ⁽¹⁾
Exhibit A	
X	Statement of Work ⁽²⁾ (Word – see Exhibit A Template)
X	Budget & Schedule ⁽²⁾ (Excel Spreadsheet – see Exhibit A Template)
X	Letters of Matching and/or Pending 3 rd Party Commitments ⁽²⁾
Exhibit C	
X	Map ⁽²⁾
X	Photos/Drawings/Reports
X	Letters of Support
O	Certificate of Insurance ⁽³⁾ (General, Auto, & Workers' Comp.)
Contracting Documents	
O	Certificate of Good Standing ⁽³⁾
O	W-9 ⁽³⁾
O	Independent Contractor Form ⁽³⁾ (If applicant is individual, not company/organization)
O	Electronic Funds Transfer (ETF) Form ⁽³⁾

(1) Click "Grant Agreements". For reference only/do not fill out or submit/required for contracting

(2) Required with application if applicable.



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(3) Required for contracting. While optional at the time of this application, submission can expedite contracting upon CWCB Board approval.

Schedule		
CWCB Meeting	Application Submittal Dates	Type of Request
January	December 1	Basin Account; BIP
March	February 1	Basin/Statewide Account; BIP
May	April 1	Basin Account; BIP
July	June 1	Basin Account; BIP
September	August 1	Basin/Statewide Account; BIP
November	October 1	Basin Account/BIP

Desired Timeline	
Desired CWCB Hearing Month:	May
Desired Notice to Proceed Date:	July

Water Activity Summary	
Name of Applicant	Jerry Eller
Name of Water Activity	Antelope Reservoir Rehabilitation
Approving Roundtable(s)	Basin Account Request(s) ⁽¹⁾
Colorado	\$ 29,600
Basin Account Request Subtotal	\$ 29,600
Statewide Account Request ⁽¹⁾	\$ -
Total WSRF Funds Requested (Basin & Statewide)	\$ 29,600
Total Project Costs	\$ 59,200

(1) Please indicate the amount recommended for approval by the Roundtable(s)



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Grantee and Applicant Information	
Name of Grantee(s)	Jerry Eller
Mailing Address	PO Box 684, Kremmling, CO 80459
FEIN	84-1555455
Grantee's Organization Contact ⁽¹⁾	Jerry Eller
Position/Title	Sole Proprietor
Email	eller.ranch@yahoo.com
Phone	970 724 0999
Grant Management Contact ⁽²⁾	Garrett Eller
Position/Title	Ranch Help
Email	garrett.eller@gmail.com
Phone	970 531 9500
Name of Applicant (if different than grantee)	N/A
Mailing Address	N/A
Position/Title	N/A
Email	N/A
Phone	N/A

(1) Person with signatory authority

(2) Person responsible for creating reimbursement invoices (Invoice for Services) and corresponding with CWCB staff.

Description of Grantee
Provide a brief description of the grantee's organization (100 words or less).
<p>The organization is a family operated cattle ranch in Grand County near Muddy Creek. The ranch runs about 400 cow and calf pairs. The cattle graze both leased and deeded land during warm months and are fed hay during the winter. The main source of hay is a large hay meadow typically yielding around 300 tons of hay. The meadow is flood irrigated in summer months with water supplied from Antelope reservoir. Run-off water from the hay meadow returns to Antelope creek, which flows to Muddy Creek just upstream of Wolford reservoir.</p>

Type of Eligible Entity (check one)



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	Public (Government): municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities. Federal agencies are eligible, but only if they can make a compelling case for why a local partner cannot be the grant recipient.
	Public (Districts): authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises
	Private Incorporated: mutual ditch companies, homeowners associations, corporations
X	Private Individuals, Partnerships, and Sole Proprietors: are eligible for funding from the Basin Accounts but not for funding from the Statewide Account.
	Non-governmental organizations: broadly, any organization that is not part of the government
	Covered Entity: as defined in Section 37-60-126 Colorado Revised Statutes

Type of Water Activity (check one)	
	Study
X	Implementation

Category of Water Activity (check all that apply)		
	Nonconsumptive (Environmental)	
	Nonconsumptive (Recreational)	
X	Agricultural	
	Municipal/Industrial	
	Needs Assessment	
	Education & Outreach	
	Other	Explain:

Location of Water Activity	
Please provide the general county and coordinates of the proposed activity below in decimal degrees . The Applicant shall also provide, in Exhibit C, a site map if applicable.	
County/Counties	Grand
Latitude	40.2124
Longitude	-106.3828

Water Activity Overview
Please provide a summary of the proposed water activity (200 words or less). Include a description of the activity and what the WSRF funding will be used for specifically (e.g. studies, permitting,



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construction). Provide a description of the water supply source to be utilized or the water body affected by the activity. Include details such as acres under irrigation, types of crops irrigated, number of residential and commercial taps, length of ditch improvements, length of pipe installed, area of habitat improvements. If this project addresses multiple purposes or spans multiple basins, please explain. The Applicant shall also provide, in Exhibit A, a detailed Statement of Work, Budget, and Schedule.

Antelope reservoir, located about 12 miles north of Kremmling, stores approximately 350 acre-feet. The primary use is for irrigation of a 200 acre hay meadow. The reservoir is located on public land with water rights belonging to the applicant.

A 2014 state dam inspection found a number of items at the reservoir that required action. Follow up video inspection of the outlet pipe found a significant amount of rust, requiring a repair of the pipe. Due to state dam inspector requirements, any outlet pipe repair must be designed by a dam engineer. The scope of the project is listed as follows:

1. Engineering and construction observation for the outlet pipe repairs
2. Repair of the 24in x 170ft outlet piping, likely by cure in place pipe (CIPP) lining
3. Replace the stem casing that operates the head-gate valve on the outlet pipe
4. Earthwork on the dam including scarping repair, vegetation removal, and crest grading

The pipe lining (item 2) is the major component of the project, requiring a specialized contractor and engineering to meet the state dam inspector requirements. We anticipate items 3 and 4 to be self-performed with the primary cost being the materials and labor.

Measurable Results		
To catalog measurable results achieved with WSRF funds please provide any of the following values.		
	New Storage Created (acre-feet)	
	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive	
347 AF	Existing Storage Preserved or Enhanced (acre-feet)	
	Length of Stream Restored or Protected (linear feet)	
	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
	Area of Restored or Preserved Habitat (acres)	
165 FT	Length of Pipe/Canal Built or Improved	
	Other	Explain:

Water Activity Justification
Provide a description of how this water activity supports the goals of Colorado's Water Plan , the most recent Statewide Water Supply Initiative , and the respective Roundtable Basin Implementation Plan



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[and Education Action Plan](#) ⁽¹⁾. The Applicant is required to reference specific needs, goals, themes, or Identified Projects and Processes (IPPs), including citations (e.g. document, chapters, sections, or page numbers).

For applications that include a request for funds from the Statewide Account, the proposed water activity shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan criteria for state support (CWP, Section 9.4, pp. 9-43 to 9-44;) (Also listed pp. 4-5 in [2016 WSRF Criteria and Guidelines](#)).

The rehabilitation of Antelope reservoir aligns with the Colorado Water Plan (CWP) and the Colorado Roundtable BIP. The Colorado Water Plan states that agriculture viability is a priority (Pg 6-127, CWP); this project will ensure irrigation water supply for our hay meadow for many decades with minimal maintenance. If the project is not completed the reservoir is at risk for failure or being classified as 'No Storage'. Therefore, completion of the project also aligns with the Colorado Basin Roundtable's goal to reduce agriculture water shortages (Pg 6-139, CWP).

This project is also a good candidate for funding from the WSRF grant because the Statewide Water Supply Initiative recognizes that the ability of agriculture water users to address their water needs is often limited by their financial capabilities (SWSI ES-41).

The project is the most efficient and effective way for the ranch to ensure steady irrigation and water supply through dry summer months. While both the Water Plan and the BIP reference the needs for increased storage from new dams, they also support rehabilitation of existing infrastructure, noting that rehabilitating existing reservoirs provide more options and are typically more economical than new storage projects (Pg 6-147, CWP).

A secondary benefit comes from maintaining a more consistent flow in Antelope creek. Because Antelope reservoir is filled during high spring run-off and returns more water to Antelope creek later in the summer, a more steady flow is maintained in antelope creek than if the reservoir was not in place. In turn, this should help in managing the flow into and out of Wolford Mountain Reservoir.

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(1) Access Basin Implementation Plans or Education Action Plans from Basin drop down menu.

Matching Requirements: Basin Account Requests

Basin (only) Account grant requests require a 25% match (cash and/or in-kind) from the Applicant or 3rd party and shall be accompanied by a **letter of commitment** as described in the 2016 WSRF Criteria and Guidelines (submitted on the contributing entity's letterhead). Attach additional sheet if necessary.



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Contributing Entity	Amount and Form of Match (note cash or in-kind)
Sole Proprietor	\$14,600 (in-kind)
Colorado River District (Annual Grant - Application submitted)	\$15,000 (grant)
Total Match	\$29,600
If you requested a Waiver to the Basin Account matching requirements, indicate the percentage you wish waived.	

Matching Requirements: Statewide Account Requests

Statewide Account grant requests require a 50% match as described in the 2016 WSRF Criteria and Guidelines. A minimum of 10% match shall be from Basin Account funds (cash only). A minimum of 10% match shall be provided by the applicant or 3rd party (cash, in-kind, or combination). The remaining 30% of the required match may be provided from any other source (Basin, applicant, or 3rd party) and shall be accompanied by a **letter of commitment**. Attach additional sheet if necessary.

Contributing Entity	Amount and Form of Match (note cash or in-kind):
Total Match	\$
If you requested a Waiver to the Statewide Account matching, indicate % you wish waived. (Max 50% reduction of requirement).	

Related Studies

Please provide a list of any related studies, including if the water activity is complimentary to or assists in the implementation of other CWCB programs.



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Colorado Division of Water Resources – Engineers Inspection Report, 11/4/2014

Previous CWCB Grants

List all previous or current CWCB grants (including WSRF) awarded to both the Applicant and Grantee. Include: 1) Applicant name; 2) Water activity name; 3) Approving RT(s); 4) CWCB board meeting date; 5) Contract number or purchase order

NA

Tax Payer Bill of Rights

The Tax Payer Bill of Rights (TABOR) may limit the amount of grant money an entity can receive. Please describe any relevant TABOR issues that may affect the applicant.

NA

**Water Supply Reserve Fund
Water Activity Summary Sheet
May 24, 2018
Agenda Item 29(e)**

Applicant & Grantee: Jerry Eller
Water Activity Name: Antelope Reservoir Rehabilitation
Water Activity Purpose: Agricultural Implementation
County: Grand
Drainage Basin: Colorado
Water Source: Antelope Creek
Amount Requested: \$30,000 Colorado Basin Account
Matching Funds: Applicant Match (cash & in-kind) = \$29,600

- 99% of the Basin Account request (meets 25% min)
- 50% of the total project cost of \$59,200

Staff Recommendation:

Staff recommends approval of up to \$30,000 from the Colorado Basin Account to help fund the project titled: Antelope Reservoir Rehabilitation.

Water Activity Summary: WSRF grant funds, if approved, will help the Eller family make repairs to Antelope Reservoir. Located about 12 miles north of Kremmling, the reservoir stores approximately 350 acre-feet and is located on public land with water rights belonging to the applicant. The Eller family operates a cattle and haying operation in Grand County just north of Wolford Mountain Reservoir. Antelope Creek Reservoir (350 acre-feet) is its main water source for irrigation.

A 2014 state dam inspection found a number of items at the reservoir that required action. Follow up video inspection of the outlet pipe found a significant amount of rust, requiring a repair of the pipe. Due to state dam inspector requirements, any outlet pipe repair must be designed by a dam engineer. The scope of the project includes: (1) engineering and construction observation, (2) repair of 170 feet of 24 inch outlet piping, likely by cure in place pipe (CIPP) lining, (3) replacement of stem casing that operates the head-gate valve on the outlet pipe, and (4) earthworks on the dam including scarping repair, vegetation removal, and crest grading. The pipe lining is the major component of the project, requiring a specialized contractor and engineering to meet the state dam inspector requirements.

Discussion: As described in the Colorado basin roundtable (BRT) chair's recommendation letter, this project was supported and recommended for approval by the roundtable on March 26, 2018. This project assists in satisfying Colorado's Water Plan Critical Goals and Actions as identified in Chapter 10.3, D. Agriculture. Colorado's Water Plan states that agriculture viability is a priority (pg. 6-127, CWP); this project will ensure irrigation water supply for our hay meadow for many decades with minimal maintenance. If the project is not completed the reservoir is at risk for failure or being classified as 'No Storage'. Therefore, completion of the project also aligns with the BRT's goal to reduce agriculture water shortages (pg. 6-139, CWP). This project is also a good candidate for

funding from the WSRF grant because the Statewide Water Supply Initiative recognizes that the ability of agriculture water users to address their water needs is often limited by their financial capabilities (SWSI ES-41).

The project is the most efficient and effective way for the ranch to ensure steady irrigation and water supply through dry summer months. While both Colorado's Water Plan and the BIP reference the needs for increased storage from new dams, they also support rehabilitation of existing infrastructure, noting that rehabilitating existing reservoirs provide more options and are typically more economical than new storage projects. A secondary benefit comes from maintaining a more consistent flow in Antelope creek. Because Antelope reservoir is filled during high spring run-off and returns more water to Antelope creek later in the summer, a more steady flow is maintained in antelope creek than if the reservoir was not in place. In turn, this should help in managing the flow into and out of Wolford Mountain Reservoir.

Issues/Additional Needs: No additional needs have been identified.

Eligibility Requirements: The application meets requirements of all eligibility components.

Evaluation Criteria: Staff has determined this activity satisfies the Evaluation Criteria.

Funding Summary / Matching Funds:

<u>Funding Source</u>	<u>Cash</u>	<u>In-Kind</u>	<u>Total</u>
Sole Proprietor	\$14,600	\$0	\$14,600
Colorado River District	\$15,000	\$0	\$15,000
Sub-total	\$29,600	\$0	\$29,600
WSRF Colorado Basin Account	\$30,000	n/a	\$30,000
Totals	\$59,600	\$0	\$59,600

CWCB Project Manager: Megan Holcomb

THE COLORADO BASIN ROUNDTABLE
C/O P.O. BOX 1120
GLENWOOD SPRINGS, COLORADO 81602

April 3, 2018

Colorado Water Conservation Board

WSRF Grants

1313 Sherman Street

Denver CO

(303) 866-3441

megan.holcomb@state.co.us

Dear Staff:

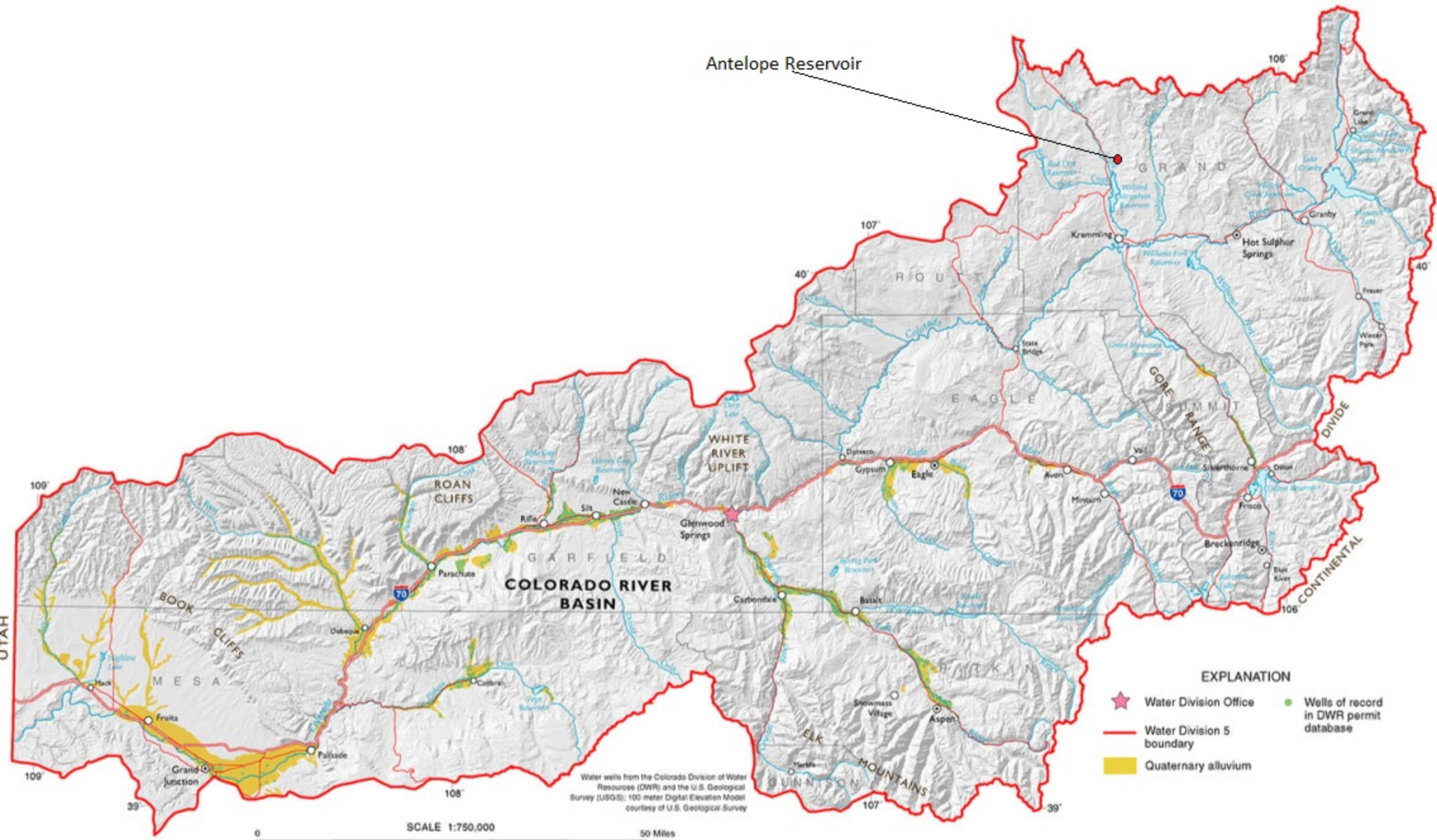
The Colorado Basin Roundtable voted unanimously at its March 26, 2018 meeting to forward the Eller Family's WSRF Basin grant application for CWCB staff review and Board approval. The amount is for \$30,000.

Sustaining Agriculture is one of our BIP's six themes. The Eller family operates a cattle and haying operation in Grand County just north of Wolford Mountain Reservoir. Antelope Creek Reservoir (350 acre-foot) is its main water source for irrigation. Dam safety issues arose upon inspection in 2014 necessitating repair of the rusted outlet pipe. The repair of existing irrigation infrastructure is key to sustaining ag operations in Colorado and we agree this is a worthy project comporting with Colorado's Water Plan and our BIP. Were the safety conditions to go unmet, the dam could be ordered to be breached in time, harming the historical ag operation and robbing the creek of late season return flows.

Sincerely yours,

A handwritten signature in black ink, reading "Jim Pokrandt". The signature is fluid and cursive, with a long horizontal stroke extending from the end of the name.

Jim Pokrandt
Chair, Colorado Basin Roundtable





Antelope Reservoir

40

40

Wolford Mountain Reservoir

Google

Little Wolford Mountain

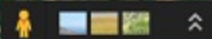


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