



Last Update: July 31, 2018

Colorado Water Conservation Board

Water Supply Reserve Fund Grant Application

Instructions

All WSRF grant applications shall conform to the current [2016 WSRF Criteria and Guidelines](#).

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.

If you have questions, please contact the current CWCB staff Roundtable liaison:

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 was recommended for CWCB approval by the sponsoring roundtable.
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⁾
Application Documents	
X	Exhibit A: Statement of Work ⁽²⁾ (<i>Word – see Template</i>)
X	Exhibit B: Budget & Schedule ⁽²⁾ (<i>Excel Spreadsheet – see Template</i>)
X	Letters of Matching and/or Pending 3 rd Party Commitments ⁽²⁾
X	Map ⁽²⁾
	Photos/Drawings/Reports
X	Letters of Support
Contracting Documents ⁽³⁾	
	Detailed/Itemized Budget ⁽³⁾ (<i>Excel Spreadsheet – see Template</i>)
	Certificate of Insurance ⁽⁴⁾ (<i>General, Auto, & Workers' Comp.</i>)
	Certificate of Good Standing ⁽⁴⁾
	W-9 Form ⁽⁴⁾
	Independent Contractor Form ⁽⁴⁾ (<i>If applicant is individual, not company/organization</i>)
	Electronic Funds Transfer (ETF) Form ⁽⁴⁾

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

(2) Required with application if applicable.

(3) Additional documentation providing a Detailed/Itemized Budget maybe required for contracting. Applicants are encouraged to coordinate with the CWCB Project Manager to determine specifics.

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



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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:	March
Desired Notice to Proceed Date:	June 1, 2019

Water Activity Summary		
Name of Applicant	Catlin Canal Company	
Name of Water Activity	Water Delivery and Accounting Feasibility Study	
Approving Roundtable(s)		Basin Account Request(s) ⁽¹⁾
Arkansas Basin		\$3,000
Basin Account Request Subtotal		\$3,000
Statewide Account Request ⁽¹⁾		\$30,000
Total WSRF Funds Requested (Basin & Statewide)		\$33,000
Total Project Costs		\$49,500

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



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Grantee and Applicant Information	
Name of Grantee(s)	Catlin Canal Company
Mailing Address	917 Elm Ave. Rocky Ford, CO 81067
FEIN	
Grantee's Organization Contact ⁽¹⁾	George Hanzas
Position/Title	Secretary
Email	catlincanalco@yahoo.com
Phone	(719) 254-3389
Grant Management Contact ⁽²⁾	Amber Weber
Position/Title	Owner of Ark Valley Writing and Planning Services, LLC
Email	arkvalleywps@gmail.com
Phone	(719) 688-9941
Name of Applicant (if different than grantee)	
Mailing Address	
Position/Title	
Email	
Phone	

(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).
Catlin Canal Company was founded in 1884, with the goal of delivering water to its users across the canal in Otero County. The canal is composed of 18,660 shares of mutual stock with the conversion of approximately 7,608 shares for augmentation purposes. Catlin Canal Company is overseen by a board of directors, ditch riders, and a secretary. Underneath the Catlin Canal, there are 209 head gates, 16 check stations, and 2 augmentation stations through Crooked Arroyo and Timpas Creek. The shareholders also hold water rights out of Pisgah Reservoir and Ditch Company.



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Type of Eligible Entity (check one)	
	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
X	Private Incorporated: mutual ditch companies, homeowners associations, corporations
	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)	
X	Study
	Implementation

Category of Water Activity (check all that apply)		
	Nonconsumptive (Environmental)	
	Nonconsumptive (Recreational)	
X	Agricultural	
	Municipal/Industrial	
X	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	Otero county
Latitude	38° 07' 31"N to 37° 56' 08" N
Longitude	103° 56' 39" W to 103° 38' 32" W



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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, 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.

Catlin Canal Company has a goal to completely upgrade its entire accounting system to ensure that all water users of the canal get their entitled share of water. The Catlin Canal Company would like to install a water measurement device at every head gate and check point, complete with new flumes, pipe, telemetry, etc. The automated system will be controlled by technology in the office to ensure that the proper amount of water is delivered. The canal's current system was purchased in 1965 and is outdated and inaccurate in delivery as any amount of trash, grass, etc. hinders the system from delivering the proper amount of water through the gate. The ditch riders have difficulty in delivery the correct amount of water in small shares and when water is transferred. The current thread system is not adequate for the small changes in the ditch, as a half thread turn can usually change about 10%, but anything less than that simply does not work. With the expansion of Alternative Transfer Methods, water will have to be measured more directly and this project will help deliver water for the super ditch, Catlin Aug, and CWPDA, as well as its local shareholders. Future contracts require Catlin Canal to deliver upwards of 2,000 ac.-ft. of water through the Super Ditch. This grant will cover the first phase, of two phases, of the project with research to find the right measuring device for the canal company and their needs, cover the engineering needs for the project including design of the project and a loan feasibility study for the implementation phase, and management of the grant itself.

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	
	Existing Storage Preserved or Enhanced (acre-feet)	
	Length of Stream Restored or Protected (linear feet)	
~50 ac.-ft./yr.	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
	Area of Restored or Preserved Habitat (acres)	
	Length of Pipe/Canal Built or Improved	
	Other	Explain:



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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 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](#)).

This project helps meet the Ark Basin BIP and statewide water plan by accurately measuring water to reduce losses and promote alternative transfer methods which can be used to meet the municipal, industrial, and agriculture gaps. This project can also help with accurate measurements for recharge which leads to storage within the basin. A proper accounting system can lead to a long-term benefit and transparency in the basin for water transfers. According to the plan, The Arkansas Basin addressed conservation by stating, "Stakeholders should take all actions required to maintain current water supplies and prevent future water supply gaps from increasing" (CWP p. 6-67). This is exactly what Catlin Canal is doing, conserving water to be able to meet the supply gap as well as managing water in a smart way that benefits multiple stakeholders. One of the goals of the Arkansas Basin Implementation Plan, was to implement "Master Metering for reliable water flow measurement... The efficient use of all water resources is now embedded in the approach taken by the Arkansas Basin Roundtable in promulgating projects to meet identified needs" (BIP p. 7).

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



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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.

Contributing Entity	Amount and Form of Match (note cash or in-kind)
Total Match	
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):
Catlin Canal Company	\$16,000
Ark Basin WSRF	\$3,000
Public Education, Participation, and Outreach	\$500
Total Match	\$19,500
If you requested a Waiver to the Statewide Account matching, indicate % you wish waived. (Max 50% reduction of requirement).	



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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.

The Catlin Canal Company is involved in the Catlin Pilot Project, a lease fallowing study which delivers water through the canal system, exchanges it up to Pueblo Reservoir, and up through the Fountain Valley Conduit to Fountain and Security. The efficiency of monitoring the water will help deliver water through the pilot project, reducing losses at the head gates.

The Catlin Augmentation Association delivers water through the canal for augmentation purposes to service irrigation wells under the Catlin Canal. This will help Catlin Augmentation efficiently deliver water to their permanent augmentation plan. Catlin Augmentation Station recently built recharge ponds to deliver delayed return flows for augmentation purposes using CWCB funds.

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

Catlin Canal has not applied for any CWCB grants.

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.

Not applicable due to mutual ditch obligations.

Water Supply Reserve Account – Grant and Loan Program
Water Activity Summary Sheet
March 21, 2019
Agenda Item 24(t)

Applicant & Program Sponsor: Catlin Canal Company
Water Activity Name: Water Delivery and Accounting Feasibility Study
Water Activity Purpose: Study – Agricultural, Needs Assessment
County: Otero
Drainage Basin: Arkansas
Water Source: Catlin Canal
Amount Requested/Source of Funds: \$3,000 Arkansas Basin Account
\$30,000 Statewide Account
\$33,000 Total Grant Request

Matching Funds: Basin Account Match (\$3,000) = 10% of Statewide Account request (Meets 10% min);
Applicant's In-kind Match (\$16,500) = 55% of Statewide Account request (Meets 25% min.);
Total Match (Basin & Applicant Match of \$19,500 = 65% of Statewide Account request (meets 50% min). (refer to *Funding Summary/Matching Funds* section)

Staff Recommendation:

Staff recommends approval of up to \$3,000 from the Arkansas Basin Account and \$30,000 from the Statewide account to help fund the project/study titled: <i>Water Delivery and Accounting Feasibility Study</i>
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Water Activity Summary:

If approved, the applicant will use grant funds to achieve their goal to completely upgrade their entire accounting system to ensure that all water users of the canal get their entitled share of water.

The Catlin Canal Company would like to install a water measurement device at every head gate and check point, complete with new flumes, pipes, telemetry, etc. The automated system will be controlled by technology in the company's office to ensure that the proper amount of water is delivered.

The canal's current system was purchased in 1965 and is outdated and inaccurate in delivery as any amount of trash, grass or other obstructions hinder the system from delivering the proper amount of water through the gate. The ditch riders have difficulty in delivering the correct amount of water in small shares and when water is transferred. The applicant states "the current thread system is not adequate for the small changes in the ditch, as a half thread turn can usually change about 10%, but anything less than that simply does not work".

With the expansion of Alternative Transfer Methods, water will have to be measured more directly and this project will help deliver water for the super ditch, Catlin Aug, and Colorado Water Protective and Development Association, as well as its local shareholders. Future contracts require Catlin Canal to deliver upwards of 2,000 ac.-ft. of water through the Super Ditch. This grant proposal would assist in funding the first of two phases, of the project with research to find the right measuring device for the canal company and their needs; cover the engineering needs for the project including design of the project; and a loan feasibility study for the implementation phase, and management of the grant itself.

Discussion: This project helps meet the Ark Basin BIP and Colorado Water Plan Objectives A, B, and C by accurately measuring water to reduce losses and promote alternative transfer methods which can be used to meet the municipal, industrial, and agriculture gaps. According to the plan, The Arkansas Basin addressed conservation by stating, “Stakeholders should take all actions required to maintain current water supplies and prevent future water supply gaps from increasing” (CWP p. 6-67).

One of the goals of the Arkansas Basin Implementation Plan, was to implement “*Master Metering for reliable water flow measurement... The efficient use of all water resources is now embedded in the approach taken by the Arkansas Basin Roundtable in promulgating projects to meet identified needs*” (BIP p. 7).

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

Eligibility Requirements: The application meets requirements of the three subsections of the Eligibility Requirements: General Eligibility, Entity Eligibility, and Water Activity Eligibility.

Eligibility Based on Funding Match Requirements:

The application meets the Statewide Account Matching requirements.

Evaluation Criteria:

This activity has undergone review and evaluation and staff has determined that it satisfies the Evaluation Criteria. Please refer to WSRF Application for applicant’s detailed response.

<u>Funding Source</u>	<u>Cash</u>	<u>In-kind</u>	<u>Total</u>
Catlin Canal Company	\$16,000	\$0	\$16,000
Arkansas Basin PEPO	\$500	\$0	\$500
WSRF Arkansas Basin Account	\$3,000	n/a	\$3,000
WSRF Statewide Account	\$30,000	n/a	\$30,000
Total Project Costs	\$49,500	\$0	\$49,500

CWCB Project Manager: Ben Wade

ARKANSAS BASIN ROUNDTABLE

Mr. Ben Wade
Water Supply Reserve Account
Colorado Water Conservation Board
1313 Sherman Street, Room 721
Denver, CO 80203

January 22, 2019

Re: Arkansas Basin Roundtable Letter of Support- WSRA: Catlin Canal Water Delivery and Accounting Feasibility Study

Dear Mr. Ben Wade:

At its January 9, 2019 meeting, the Arkansas Basin Roundtable approved the above referenced project for \$3,000 in Basin funds and consideration of \$30,000 in State funds through the Water Supply Reserve Account. There were no dissenting opinions expressed in the consensus decision.

The Arkansas Basin Roundtable supports the Catlin Canal Company's first phase of the above referenced project to complete a feasibility study that will investigate technology, engineering & design, and loan feasibility with the goal of updating their entire system. The project meets the needs of the BIP through the support of sustaining agriculture & addressing the supply-demand gaps. Regarding the Colorado Water Plan, this project supports the following objectives:

Objective A- Supply-Demand Gap: Use a grassroots approach to formulate projects and methods that avoid some of the undesirable outcomes of the supply-demand gaps.

Objective B- Conservation: Address projected gaps between future water needs and available water provisions from both the supply side and the demand side.

Objective C- Agriculture: The State will encourage innovation and creativity by agricultural producers and research institutions to maximize the productivity of every drop of water.

Should you have any questions or concerns, please feel free to contact me at mshea@csu.org or 719-668-8028.

With warm regards,



Mark Shea
ABRT Chair



February 11, 2019

Mr. Ben Wade
Colorado Water Conservation Board
1313 Sherman St., Room 271
Denver, CO 80203

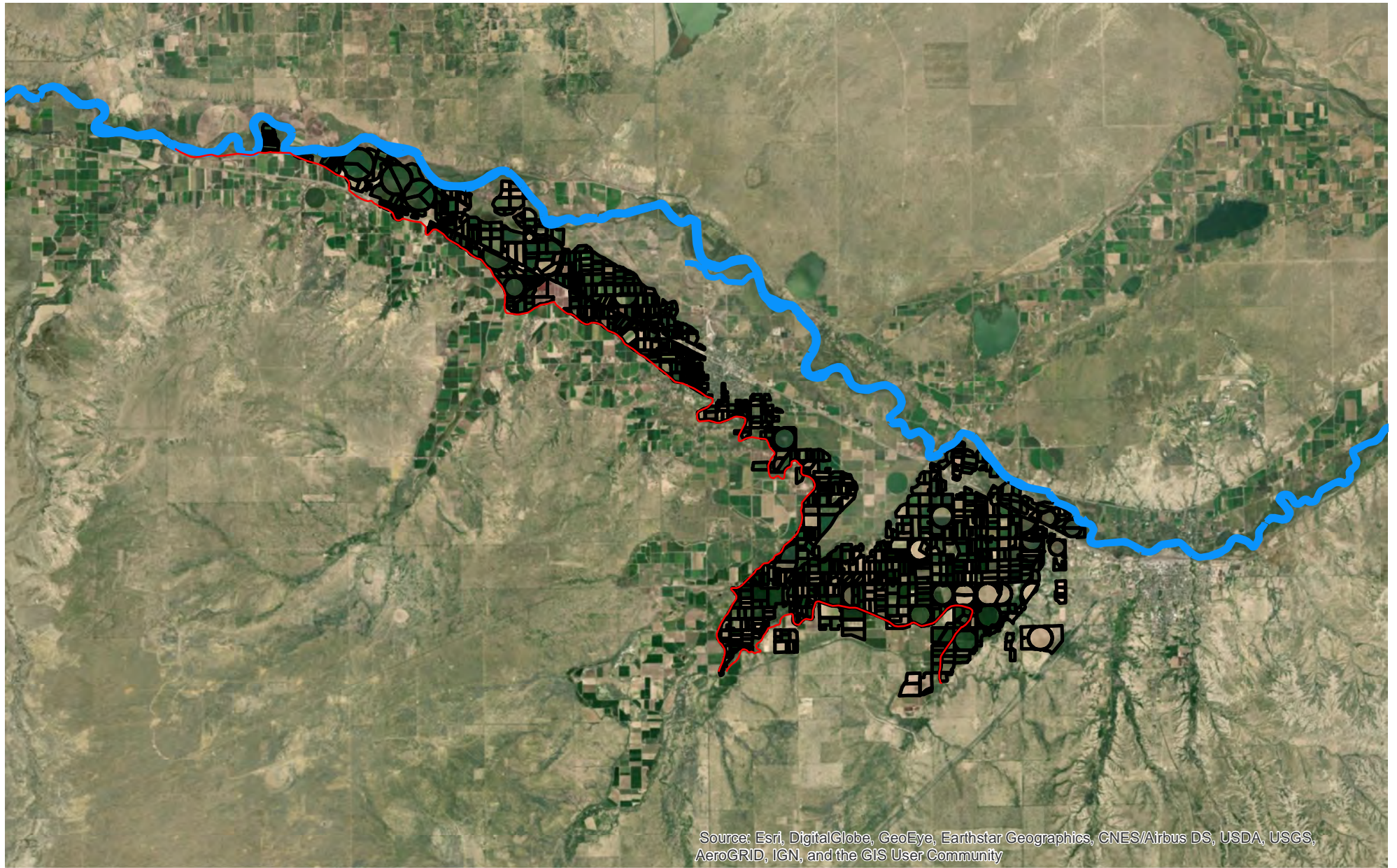
Dear Mr. Wade,

Thank you for your consideration of the Catlin Canal Water Delivery and Accounting Feasibility Study, Phase I Project. The Arkansas Basin Roundtable's Public Education, Participation, & Outreach (PEPO) supports the outreach plan for this project. It is our understanding that information learned from the Feasibility Study will be shared with other ditch and canal companies within the basin. This is an excellent opportunity for others to utilize information gleaned from the study and eliminating the need to reproduce the same information. PEPO has agreed to contribute up to \$500 to educate other irrigators about the results of the Feasibility Study.

Sincerely,




A handwritten signature in blue ink that reads "Jean Van Pelt". The signature is written in a cursive, flowing style.

Jean Van Pelt
ABRT PEPO Coordinator



Catlin Canal

Legend

-  Catlin_Canal
-  Arkansas_River
-  Catlin_Irrigated_Acres

0 2 4 6 8 Miles

