

**Water Supply Reserve Account – Grant and Loan Program**  
**Water Activity Summary Sheet**  
**September 19, 2018**  
**Agenda Item 12(d)**

**Applicant & Program Sponsor:** Lake County

**Water Activity Name:** Lake County Derry Flume & Hayden Reservoir Project

**Water Activity Purpose:** Implementation; Recreational, Municipal/Industrial

**County:** Lake County

**Drainage Basin:** Arkansas

**Water Source:** Corske Creek & Hayden Reservoir

**Amount Requested/Source of Funds:** \$2,400 Arkansas River Basin Account  
\$23,905 Statewide Account  
\$26,305

**Matching Funds:** Basin Account Match (\$2,400) = 10% of Statewide Account request (Meets 10% min);  
Applicant's Cash Match (\$3,150) & In-Kind Match (\$10,000 ) = 50% of Statewide Account request (Meets 25% min.);  
Total Match (Basin & Applicant Match of \$15,550 = 65% of Statewide Account request (meets 50% min). (refer to *Funding Summary/Matching Funds* section)

<b>Staff Recommendation:</b>
Staff recommends approval of up to \$2,400 from the Arkansas River Basin Account and \$23,905 from the Statewide account to help fund the project titled: Lake County Derry Flume & Hayden Reservoir Project

**Water Activity Summary:**

If funded, the applicant will use grant funds to purchase and install a flume and diversion structure on Corske Creek, high on Mt. Elbert. A telemetry station will also be installed for proper management of the water right. The applicant has partnered with the United States Forest Service (USFS), as the diversion structure is on USFS owned land. Completing the flume and diversion installation will allow the county to utilize the direct flow in their Augmentation Plan and their integrated system outlined in their water decrees.

Grant funds will also be used to complete a bathymetric survey of Hayden Reservoir to be used for storage of future augmentation replacement credits. Hayden Reservoir will remain the recreational asset that it currently is, for residents and tourists alike.

Education and outreach through the implementation of the augmentation plan, will remain a high priority for the county.

**Discussion:** This project is consistent with the measurable objects set forth in the Colorado Water Plan, such as increasing storage, addressing supply and demand gaps, and strengthening partnerships locally to address watershed health, environment, and recreation sustainability and support.

This project also supports the objectives set forth in the Arkansas River Basin Implementation Plan.

**Issues/Additional Needs:** None.

**Eligibility Requirements:** The application meets requirements of all eligibility components: General Eligibility, Entity Eligibility, Water Activity Eligibility, and Eligibility Based on Match Requirements.

**Evaluation Criteria:** This activity has undergone review and staff has determined it satisfies the Evaluation Criteria outlined in Colorado's Water Plan, Section 9.4. Please refer to Basin Roundtable Chair's Recommendation Letter and the Application for a detailed response.

**Funding Summary/Matching Funds:**

<b><u>Funding Source</u></b>	<b><u>Cash</u></b>	<b><u>In-kind</u></b>	<b><u>Total</u></b>
Lake County Board of County Commissioners	\$3,150	\$10,000	\$13,150
WSRF Arkansas Basin_Account	\$2,400	n/a	\$2,400
WSRF Statewide Account	\$23,905	n/a	\$23,905
<b>Total Project Costs</b>	<b>\$29,455</b>	<b>\$10,000</b>	<b>\$39,455</b>

**CWCB Project Manager:** Rachel Pittinger

# Arkansas Basin Roundtable

July 25, 2018

Via Electronic Mail: [ben.wade@state.co.us](mailto:ben.wade@state.co.us)

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

Re: Water Supply Reserve Fund Grant Application: Lake County Augmentation Plan Implementation Phase 2

Dear Ben:

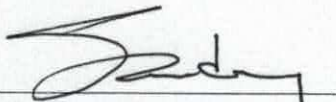
At its July 10, 2018 meeting, the Arkansas Basin Roundtable (ABRT) approved the Lake County Augmentation Plan Implementation Phase 2 grant application for \$2,400 in Basin Funds and \$23,305 in Statewide Funds. The applicant is providing \$13,150 in cash and in-kind contributions. There were no dissenting opinions expressed in the consensus decision.

The project directly supports Colorado Water Plan Objective A. Supply-Demand Gap: Meet Colorado's Water Gaps: Use a grassroots approach to formulate projects and methods that avoid some of the undesirable outcomes of the supply-demand gaps. This project mitigates out of priority depletions for rural water user which impact the Upper Arkansas River. Replacing the depletions is an important step in meeting Colorado's obligations under the Arkansas River Compact. Lake County, as a land use authority, is meeting those obligations through a phased approach to cooperation with other municipal providers in the area.

Supporting cost-effective augmentation of small, domestic depletions in rural areas is a major objective of the Arkansas Basin Implementation Plan. Aggregating these depletions into a comprehensive water augmentation decree implemented by a local public jurisdiction is seen as a very favorable resolution of the many incremental depletions to rivers and streams in small watersheds.

Should you have any questions or concerns, please feel free to contact me either by telephone, 719-742-6164, or by email, [sandy@white-jankowski.com](mailto:sandy@white-jankowski.com).

With warm regards



Michael D. (Sandy) White  
Chair

Copy via email:

Applicant  
ABRT Executive Committee



Last Update: May 19, 2017

## 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](mailto:ben.wade@state.co.us)  
303-866-3441 x3238

#### Gunnison | North Platte | South Platte | Yampa/White

Craig Godbout  
[craig.godbout@state.co.us](mailto:craig.godbout@state.co.us)  
303-866-3441 x3210

#### Colorado | Metro | Rio Grande | Southwest

Megan Holcomb  
[megan.holcomb@state.co.us](mailto: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 <a href="#">2016 WSRF Criteria and Guidelines</a> .
X	I acknowledge the Grantee will be able to contract with CWCB using the <a href="#">Standard Contract</a> . <sup>(1)</sup>
Exhibit A	
X	<a href="#">Statement of Work</a> <sup>(2)</sup> (Word – see Exhibit A Template)
X	<a href="#">Budget &amp; Schedule</a> <sup>(2)</sup> (Excel Spreadsheet – see Exhibit A Template)
X	Letters of Matching and/or Pending 3 <sup>rd</sup> Party Commitments <sup>(2)</sup>
Exhibit C	
X	Map <sup>(2)</sup>
X	Photos/Drawings/Reports
X	Letters of Support
	Certificate of Insurance <sup>(3)</sup> (General, Auto, & Workers' Comp.)
Contracting Documents	
NA	Certificate of Good Standing <sup>(3)</sup>
X	W-9 <sup>(3)</sup>
NA	Independent Contractor Form <sup>(3)</sup> (If applicant is individual, not company/organization)
X	Electronic Funds Transfer (ETF) Form <sup>(3)</sup>

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

(2) Required with application if applicable.

(3) 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:	July 2018
Desired Notice to Proceed Date:	September 2018

Water Activity Summary		
Name of Applicant	Lake County	
Name of Water Activity	Lake County Derry Flume & Hayden Reservoir Project	
Approving Roundtable(s)		Basin Account Request(s) <sup>(1)</sup>
Arkansas Basin Roundtable		\$2,400
Basin Account Request Subtotal		\$2,400 (Approved by Roundtable)
Statewide Account Request <sup>(1)</sup>		\$23,905
Total WSRF Funds Requested (Basin & Statewide)		\$26,305
Total Project Costs		\$39,455

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



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Grantee and Applicant Information	
Name of Grantee(s)	Lake County Government
Mailing Address	PO BOX 964, Leadville CO 80461
FEIN	
Grantee's Organization Contact <sup>(1)</sup>	Sarah Mudge
Position/Title	County Commissioner
Email	<a href="mailto:smudge@co.lake.co.us">smudge@co.lake.co.us</a>
Phone	719-293-0177
Grant Management Contact <sup>(2)</sup>	<u>Sarah Mudge</u>
Position/Title	BOCC
Email	smudge@co.lake.co.us
Phone	719-293-0177
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).
Lake County, population of 7,600, is the location of the headwaters of the Arkansas River Basin. The county is comprised of approximately 78% public lands.
Lake County is working to put into effect our water decrees to serve the needs of residents, county priorities, and other identified beneficial uses, outside Parkville Water District. Lake County decrees (98CW173 (consumptive, municipal, augmentation) and 2011CW86 (storage rights)) provides the legal basis for the Lake County Water Enterprise to develop and implement a blanket augmentation plan for the county.



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Type of Eligible Entity (check one)	
X	<b>Public (Government):</b> 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.
	<b>Public (Districts):</b> authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises
	<b>Private Incorporated:</b> mutual ditch companies, homeowners associations, corporations
	<b>Private Individuals, Partnerships, and Sole Proprietors:</b> are eligible for funding from the Basin Accounts but not for funding from the Statewide Account.
	<b>Non-governmental organizations:</b> broadly, any organization that is not part of the government
	<b>Covered Entity:</b> as defined in <a href="#">Section 37-60-126 Colorado Revised Statutes</a>

Type of Water Activity (check one)	
	Study
X	Implementation

Category of Water Activity (check all that apply)		
	Nonconsumptive (Environmental)	
X	Nonconsumptive (Recreational)	
	Agricultural	
X	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 <b>decimal degrees</b> . The Applicant shall also provide, in Exhibit C, a site map if applicable.	
County/Countries	Lake County
Latitude	Derry:39.06'20.84"N, Hayden:39.09'53.12"N
Longitude	Derry:106.23'43.52"W, Hayden:106.19'25.76"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.

Lake County is pursuing funding for Phases Two and Three of a larger six phased project. Lake County completed Phase One through the adjudication of case 2011CW86 and 98CW173. The measurement structures for the water right needs to be placed, including a two-part flume project of installing a measuring device and constructing a diversion from Corske Creek, high on Mt. Elbert. The USFS will remain a key partner, collaborating to be sure that all efforts are mutually beneficial at the Derry site on USFS land. Completing this task will allow Lake to utilize the direct flow in our Augmentation Plan and our integrated system outlined in our decrees. These local efforts match CO Water Plan objectives such as increasing storage, addressing supply and demand gaps, and strengthening partnerships locally so that together entities can collaborate to address watershed health, environment, and recreation sustainability and support.

Phase two will be completing a bathymetric survey of Hayden Reservoir to be used for storage of future augmentation replacement credits. Hayden Reservoir will remain the recreational asset that it currently is, for residents and tourists alike.

Education and outreach through the implementation of the augmentation plan, will remain a high priority for the county.

### Measurable Results

To catalog measurable results achieved with WSRF funds please provide any of the following values.

	New Storage Created (acre-feet)	
4CFS (Derry3 water right)	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive	
51 AF (Hayden Reservoir)	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)	
	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](#) <sup>(1)</sup>. 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](#)).

Lake County has great potential in our linked system of adjudicated strategies and methods. The county must be diligent in collaborating and engaging with our local and basin partners to ensure the best utilization and application of our augmentation plan. In doing so, Lake County mirrors Colorado's "long term goals of meeting municipal, industrial, agricultural, environmental, and recreational needs in a balanced manner". Lake County's project arguably touches on each objective outlined in the CO Water Plan, A-H, also echoed in our Arkansas River Basin Implementation Plan.

Lake County's request supports Colorado Water Plan Values in two significant ways:

1. Colorado's Water Plan values a productive economy that supports vibrant and sustainable cities; viable and productive agriculture, recreation, and tourism industry:

The requested grant will support the development and implementation of a program to provide water resources to parts of the County in support of housing and industry in Lake County. Previously these areas have not had access to a county wide augmentation program which has prevented cost effective development of certain areas where development is preferable.

The development of this water supply aids the County in developing economic activity which in turn supports the recreation and tourism industry, the heart of revenue opportunities and economic diversification of the County.

Not only will increased tools and methods utilized by Lake County benefit our county, but this will strengthen the county's ability to act as a strong partner basin wide.

2. Colorado's Water Plan values efficient and effective water infrastructure:

The development of these facilities for diversion and measurement of water will improve the management of this water supply providing efficiencies and improvements that were not previously available within Lake County's integrated system. With the completion of a survey of Hayden Pond the existing facility will then become a dual use facility providing both recreational opportunities as well as a storage and release facility. Thus providing the efficiencies sought with the project.

Lake County will likely return to the CWCB for future funding as we proceed through our project, specifically with the construction of Birdseye Reservoir. Birdseye Reservoir is a key element in the system that will allow for the expansion of the augmentation service area and increase the county's ability to act as a strong collaborative partner.

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



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Matching Requirements: Basin Account Requests	
<b>Basin (only) Account</b> grant requests require a 25% match (cash and/or in-kind) from the Applicant or 3 <sup>rd</sup> party and shall be accompanied by a <b>letter of commitment</b> 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	
<b>Statewide Account</b> 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 3 <sup>rd</sup> party (cash, in-kind, or combination). The remaining 30% of the required match may be provided from any other source (Basin, applicant, or 3 <sup>rd</sup> party) and shall be accompanied by a <b>letter of commitment</b> . Attach additional sheet if necessary.	
Contributing Entity	Amount and Form of Match (note cash or in-kind):
Lake County Board of County Commissioners	\$3,000 cash \$10,150 In-kind
Arkansas Basin Roundtable Basin Funds	\$2,400
Total Match	\$15,550
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.

There is no current involvement through CWCB, however the Lake County Commissioners will be working through CWCB on the remaining three (3) phases for this project which will include a planning grant on Birdseye Reservoir followed by the construction and development of Birdseye Reservoir, all the while incorporating public education and outreach on the augmentation plan as it relates to county development and sustainability for the future. The implementation of these priorities will contribute greatly toward the goal of diversifying economic vitality especially due to the projected closure (2038) of Climax Mine, currently providing 53% of the county's property tax revenue.

### 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

This is the first application by the Lake County Commissioners, however they work closely with Parkville Water which recently awarded funding through CWCB:

- Evans Reservoir Bypass Flume Project, 2016. Arkansas Basin Roundtable- \$50,000, Statewide- \$250,000. Canterbury Well/Pipeline 2012, DOLA Mineral Impact EIAF #6735 \$500,000.

### 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.

In November of 2011 Lake County residents passed Referendum 1B, debrucing Lake County from TABOR law and revenue restrictions imposed by the state.



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<b>Colorado Water Conservation Board</b>	
<b>Water Supply Reserve Fund</b>	
<b><u>Exhibit A - Statement of Work</u></b>	
<b>Date:</b>	<b>June 1, 2018</b>
<b>Water Activity Name:</b>	<b>Lake County Derry Flume &amp; Hayden Reservoir Project</b>
<b>Grant Recipient:</b>	<b>Lake County Government</b>
<b>Funding Source:</b>	<b>Arkansas Basin Roundtable, Statewide Account, Lake County</b>
<b>Water Activity Overview:</b> (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.  Lake County is pursuing funding for Phases Two and Three of a larger six phased project. Lake County completed Phase One through the adjudication of case 2011CW86 and 98CW173. The measurement structures for the water right needs to be placed, including a two-part flume project of installing a measuring device and constructing a diversion from Corske Creek, high on Mt. Elbert. The USFS will remain a key partner, collaborating to be sure that all efforts are mutually beneficial at the Derry site on USFS land. Completing this task will allow Lake to utilize the direct flow in our Augmentation Plan and our integrated system outlined in our decrees. These local efforts match CO Water Plan objectives such as increasing storage, addressing supply and demand gaps, and strengthening partnerships locally so that together entities can collaborate to address watershed health, environment, and recreation sustainability and support.  Phase two will be completing a bathymetric survey of Hayden Reservoir to be used for storage of future augmentation replacement credits. Hayden Reservoir will remain the recreational asset that it currently is, for residents and tourists alike.  Education and outreach through the implementation of the augmentation plan, will remain a high priority for the county.	
<b>Objectives:</b> (List the objectives of the project)	
<ol style="list-style-type: none"><li><b>1. Obtain permitting and a plan in partnership with the USFS for the Derry 3 right</b></li><li><b>2. Purchase and install the flume and diversion infrastructure</b></li><li><b>3. Purchase and Install telemetry station and measuring equipment</b></li><li><b>4. Complete a Bathymetric Survey on Hayden Reservoir</b></li><li><b>5. Manage both projects with close communication and accountability with partners and CWCB</b></li></ol>	



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Tasks
Provide a detailed description of each task using the following format:
<b><u>Task 1 – Permitting with the US Forest Service</u></b>
Description of Task:  Lake County will work with the USFS and the Division Engineer to obtain needed USFS permitting, as the county's right and devices will be located on USFS lands. Lake County will continue conversations in finalizing the appropriate type and location of facilities at the Corske Creek diversion site.
Method/Procedure:  Lake County will work directly with staff of the USFS and Division Engineers office to assure that the appropriate methods, scope, and considerations are applied to the area at the Derry 3 location on USFS land.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)  Lake County expects to obtain USFS permitting for the complete install of necessary measuring devices and continued maintenance of our water right.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)  CWCB will receive progress reports on the status of this task which will include final documentation of USFS permitting.

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



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Tasks	
<b><u>Task 2 – Flume Purchase &amp; Install</u></b>	
Description of Task:	Lake County will purchase the flume and other needed materials for management of the right. We will use Lake County Public Works department to install the flume and diversion under guidance of the Division Engineer.
Method/Procedure:	Lake County will procure the infrastructure and hardware needed by fair bid. Lake County Public works will likely grade the USFS road for continued reasonable access to the site, haul equipment and materials, and work with USFS and other partners to properly install and improve the site of the Derry 3 right.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)	Lake County will have completed install of measuring devices, allowing us to incorporate this piece we are decreed in our blanket augmentation plan.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)	Lake County will provide CWCB with proof of purchase, layout documentation, and images of completed install.



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Tasks
Provide a detailed description of each task using the following format:
<b><u>Task 3 – Telemetry Station &amp; Measuring Equipment Purchase and Install</u></b>
Description of Task: Lake County will install a telemetry station to facilitate safety and efficiency in the operation and maintenance of the right.
Method/Procedure: This water right location is in a remote location near the base of Mt. Elbert. In considering safety of staff and efficiency of time and dollars, the county has determined that telemetry is the best method for which to monitor, maintain, and report.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task) Lake County expects that reporting will be received by the county with ease via satellite. We expect to be able to identify physical issues that need immediate attention more easily, as well as allowing the county to comply with our reporting to the Division Engineer, outlined in our decree.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) In the progress report of the project the completion of this task will be outlined with installation dates and completion photos.



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Tasks
Provide a detailed description of each task using the following format:
<b><u>Task 4 – Hayden Reservoir Bathymetric Survey</u></b>
Description of Task:  Lake County will contract for the service of this survey with a contractor selected through the County's procurement procedures.
Method/Procedure:  Lake County will review and approve of the methods employed by the selected contractor. Physical capacity measurement of the existing reservoir will be completed on site. Without a contractor selected we are not certain of the methods to be used by contractor for this relatively small body of water (Multi-beam surveying, Single-beam surveying, Acoustic Doppler Current Profiler).
Grantee Deliverable: (Describe the deliverable the grantee expects from this task)
Lake County expects to receive an area capacity curve for use in monitoring storage volumes of this storage facility.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task)
In the progress report of the project the completion of this task will result in a documented capacity survey of the reservoir.





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Tasks
Provide a detailed description of each task using the following format:
<b><u>Task 5 – Project Management</u></b>
Description of Task: Lake County Commissioners will dedicate time as in-kind contributions to the project which will include permitting, progress reports, documentation, and photos. The purpose of this is to ensure that the project moves forward and gets completed following the budget, tasks, and timeline as outlined.
Method/Procedure: Lake County will manage the project providing oversight and reporting on all the activities.
Grantee Deliverable: (Describe the deliverable the grantee expects from this task) To manage the project from beginning to end and completion of progress reports throughout the project.
CWCB Deliverable: (Describe the deliverable the grantee will provide CWCB documenting the completion of this task) Progress reports provided to CWCB showing the permitting, pre-construction, post construction, design, and progress photos will be provided to reflect the work that has been completed.



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## Budget and Schedule

**Budget:** This Statement of Work and Schedule shall be accompanied by a Budget ([link?](#)) that reflects the Tasks identified in the Statement of Work and Schedule and shall be submitted to CWCB in an excel format.

**Schedule:** This Statement of Work and Budget shall be accompanied by a Schedule ([link?](#)) that reflects the Tasks identified in the Statement of Work and Budget and shall be submitted to CWCB in an excel format.

## Reporting Requirements

**Reporting:** The grantee shall provide their respective Roundtable(s) and the CWCB a Progress Report every 6 months, beginning from the date of executed contract. The Progress Report shall describe the status of the water activity, 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 to address these issues. The CWCB may withhold reimbursement until satisfactory Progress Reports have been submitted.

**Final Deliverable:** At the completion of the water activity, the grantee shall provide their respective Roundtable(s) and the CWCB a final report on the grantee's letterhead that:

- Summarizes the water activity and how the water activity was completed
- Describes any obstacles encountered, and how these obstacles were overcome
- Explains the Proposed Budget versus the Actual Budget
- Confirms that all matching commitments have been fulfilled
- Includes photographs, summaries of meeting and engineering reports/design, if appropriate

The CWCB will withhold the last 10% of the entire water activity budget until 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.

Last Update: 10/17/17



## COLORADO

Colorado Water  
Conservation Board

Department of Natural Resources

## Colorado Water Conservation Board

### Water Supply Reserve Fund

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

Date:

Water Activity Name:

**Grantee Name:**

<u>Task No.</u> <sup>(1)</sup>	<u>Description</u>	<u>Start Date</u> <sup>(2)</sup>	<u>End Date</u>	<u>Matching Funds</u> <u>(cash &amp; in-kind)</u> <sup>(3)</sup>	<u>WSRF Funds</u> <u>(Basin &amp;</u> <u>Statewide</u> <u>combined)</u> <sup>(3)</sup>	<u>Total</u>
1	Permitting with USFS			\$ 3,000		\$3,000
2	Flume Purchase & Installation			\$ 7,000	\$ 12,000	\$19,000
3	Bathymetric Survey				\$ 4,000	\$4,000
4	Telemetry Station & Equipment				\$ 10,305	\$10,305
5	Grant Administration			\$ 3,150		\$3,150
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
						\$0
<b>Total</b>				\$13,150	\$26,305	\$39,455

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

(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.

- |   |
|---|
| <ul style="list-style-type: none"> <li>• Reimbursement eligibility commences upon the grantee's receipt of a Notice to F</li> <li>• NTP will not be accepted as a start date. Project activities may commence as soon as the grantee enters contract and receives formal signed State</li> </ul>                    |
| 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   |
| <ul style="list-style-type: none"> <li>• Additionally, the applicant shall provide a progress report every 6 months, beginning from the date of contract execution</li> <li>• Standard contracting procedures dictate that the Expiration Date of the contract shall be 5 years from the Effective Date.</li> </ul> |



<b>Colorado Water Conservation Board</b>
<b>Water Supply Reserve Fund</b>
<b><u>Exhibit C - MAP</u></b>

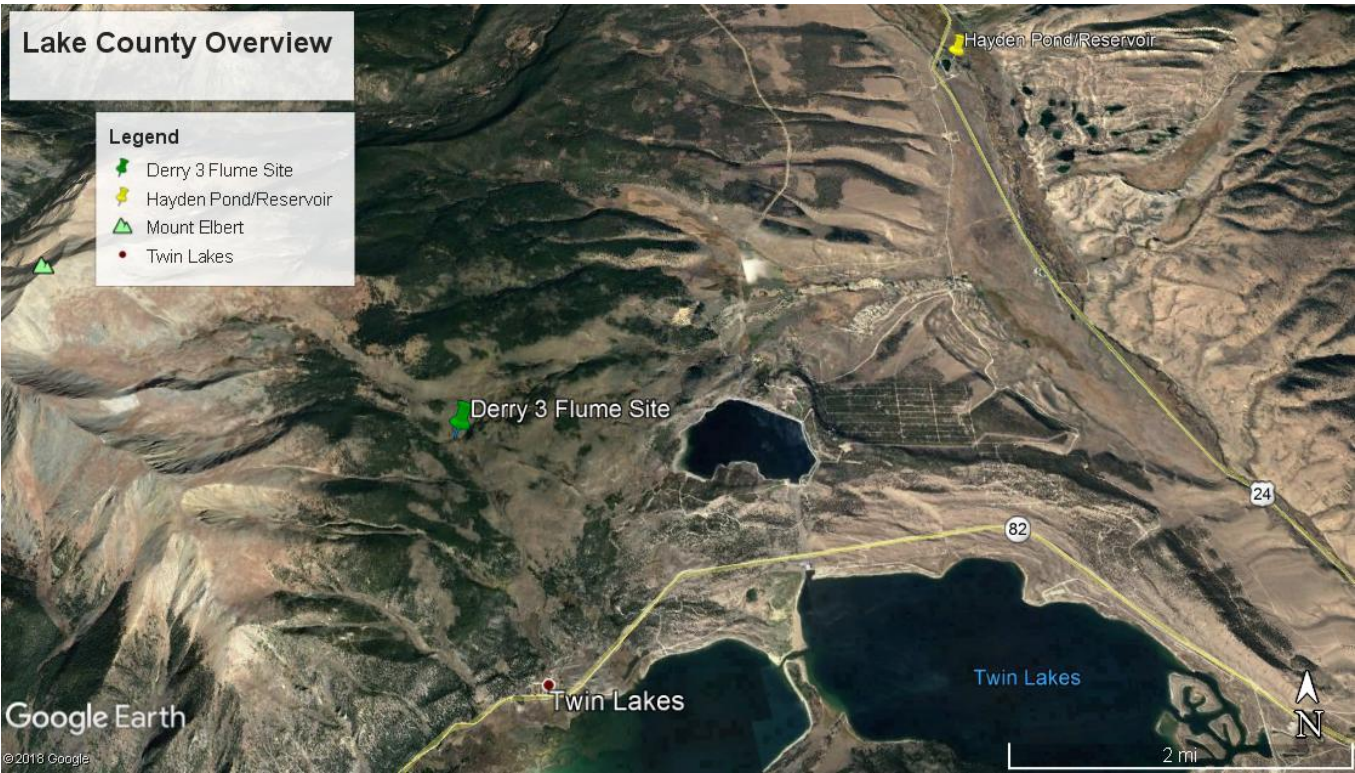


Figure 1: Location of the Flume through Google Earth



Figure 2: Location of the Hayden Reservoir through Google Earth





Figure 3: Location of the Flume on Mt. Elbert





Picture of Diversion Example for Derry 3



To: Sarah Mudge, LLC

8/24/18

From: Greg Brunjak, Quality Fisheries Management

RE: Derry No. #3 Preliminary Conceptual Diversion Design

Derry #3 diversion is currently located 10S, 81W, S12, from Corske Creak, with an intended diversion down Barlett Gulch toward Twin Lakes, in Lake County, Colorado. It is located in close proximity to the south Mt. Elbert trailhead. The diversion is almost completely unusable due to inadequate maintenance. The attached figure is a preliminary proposal to install a new diversion structure that will allow proper execution of the 4 cfs (Derry Ditch No. 3) water right owned by Lake County.



Current natural flow pattern of Corske Creak.



Boulder Cross Vein (see engineered plan).



Boulder Sill to protect overflow channel.



Steel (12 gauge) headgate diversion structure.



200' 15" ADS pipe.

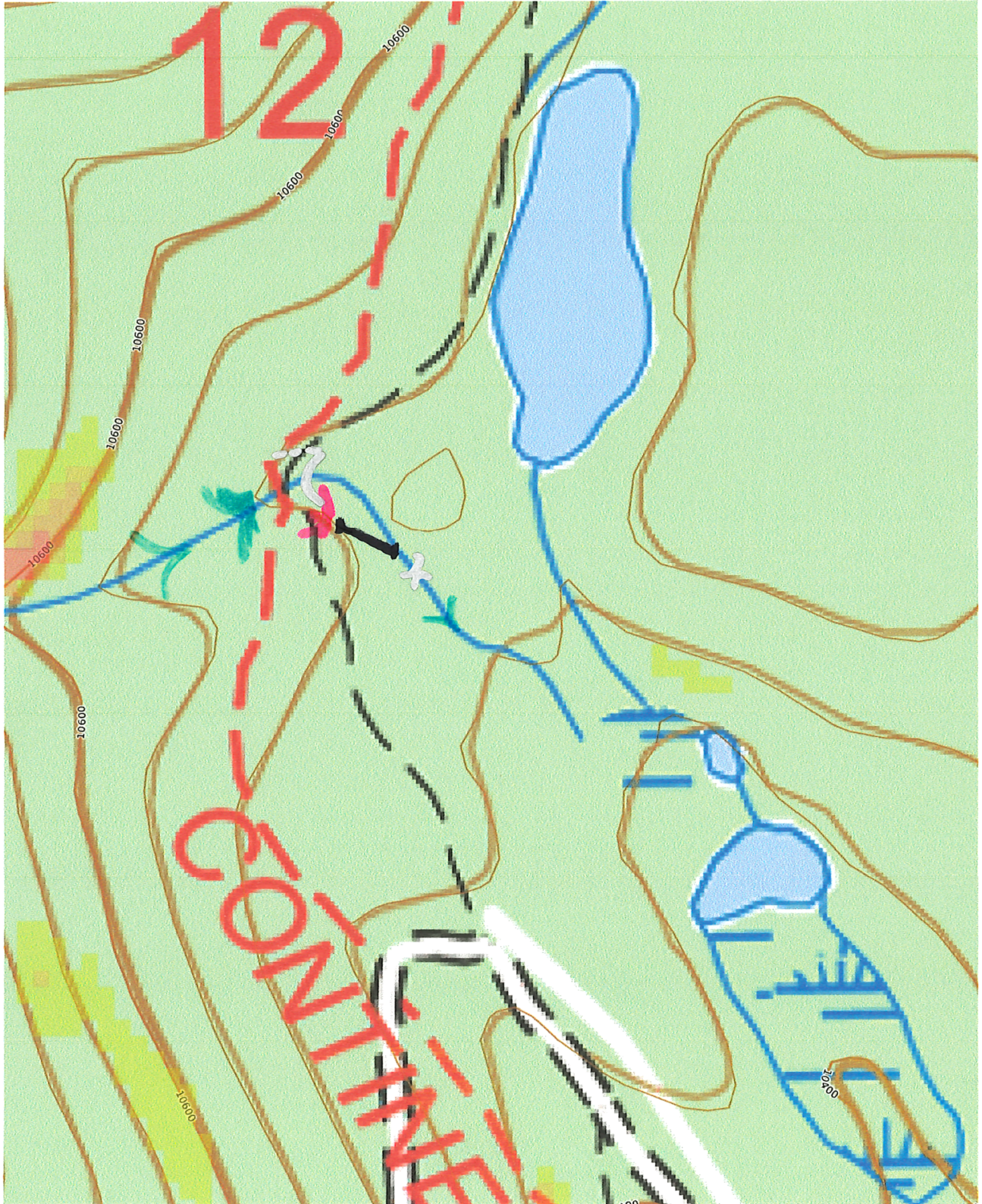


Existing Parshall Flume.

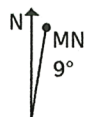
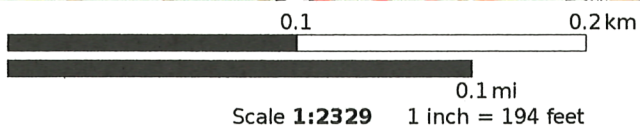
The diversion structure and sill will be constructed with 3'-4' boulders.

The steel headgate structure will be 6' X 6' with 6' X 3' wings set at 45 degree angles. A 15" headgate will attach directly to the headgate structure. The 15" ADS pipe will attach to the headgate.

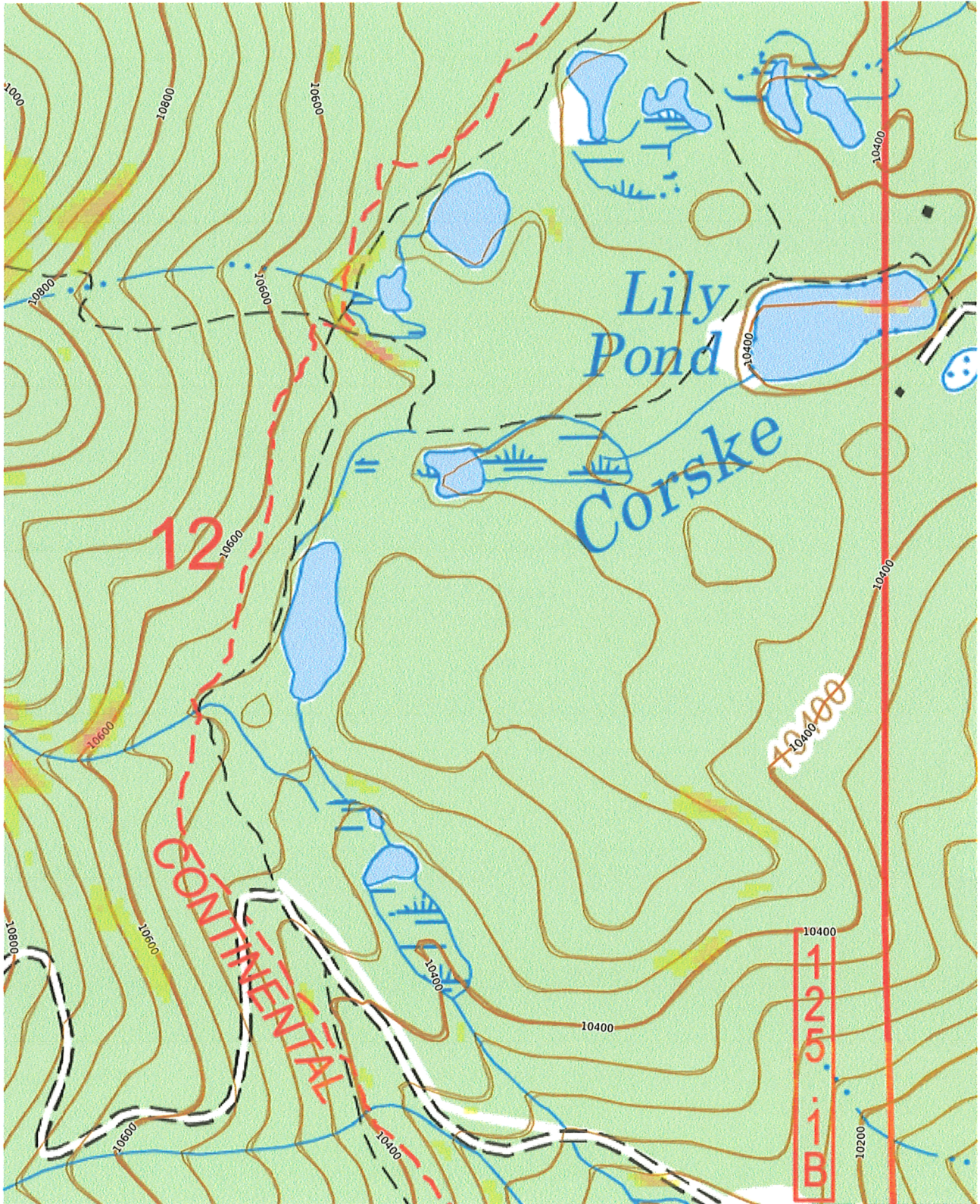




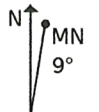
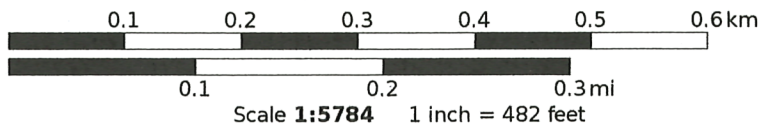
Mercator Projection  
WGS84  
USNG Zone 13SCD  
CalTopo







Mercator Projection  
WGS84  
USNG Zone 13SCD  
CalTopo









## Lake County Government

PO BOX 964  
505 Harrison Avenue  
Leadville, CO 80461  
Phone: 719-486-4101



August 1, 2018  
Lake County Government  
PO Box 964  
Leadville, CO 80461

Dear Colorado Water Conservancy Board,

Lake County appreciates the opportunity to submit an application to the Colorado Water Conservancy Board for WSRF funds towards our Derry Flume and Hayden Reservoir projects. We have worked very hard alongside our partners over the years and are pleased with the current momentum to implement Lake County's Blanket Augmentation Plan with continue planning and outreach in our community.

Please find a completed application package including:

1. Lake County Cover Letter
2. WSRF Grant Application
3. WSRF Exhibit A
4. WSRF Exhibit B
5. WSRF Exhibit C
6. WSRF Exhibit D, Letter of Support

Contracting Documents:

7. W9
8. ETF
9. Certificate of Insurance

Lake County would like to thank you for our opportunity and continued support of our partners in the community and Arkansas Basin. We look forward to growing a strong relationship with CWCB and partners. Please reach out with further questions, needs, or concerns about the submission.

Thank you for your strong consideration,

A handwritten signature in blue ink, appearing to read "Sarah Mudge".

Sarah Mudge  
County Commissioner