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Colorado Water Conservation Board

Water Plan Grant Application

Instructions

To receive funding for a Water Plan Grant, applicant must demonstrate how the project, activity, or process (collectively referred to as "project") funded by the CWCB will help meet the measurable objectives and critical actions in the Water Plan. Grant guidelines are available on the CWCB website.

If you have questions, please contact CWCB at (303) 866-3441 or email the following staff to assist you with applications in the following areas:

Supply and Demand Gap Projects: Rebecca.Mitchell@state.co.us

Water Storage Projects: Anna.Mauss@state.co.us

Conservation, Land Use Planning: Kevin.Reidy@state.co.us

Education & Innovation Activities: Mara.MacKillop@state.co.us

Agricultural Projects: Gregory.Johnson@state.co.us

Environmental & Recreation Projects: Linda.Bassi@state.co.us

Applicants interested in submitting an 'Intent to Apply' in the future are encouraged to check here ☐ and fill in all sections with the best information available at the time. Exhibits excluded.

This "Intent to Apply" will help CWCB prioritize Projects that are not ready for fully completed Water Plan Grant Application due to the initial timeframe and deadlines required.

Water Project Summary

Name of Applicant	La Plata Water Conservancy District
Name of Water Project	Bobby K. Taylor Reservoir Recharge Pits

CWP Grant Request Amount	$35,000
Other Funding Sources N/A	$0
Other Funding Sources N/A	$0
Applicant Funding Contribution	$35,000
Total Project Cost	$70,000

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Applicant & Grantee Information	
Name of Grantee(s)	La Plata Water Conservancy District
Mailing Address	P.O. Box 71 Marvel, CO 81326
FEIN	84-1191941
Organization Contact	Brice Lee
Position/Title	President
Email	brice@obii.net
Phone	970-588-3369
Grant Management Contact	Eric Bikis
Position/Title	Project Manager
Email	ericb@sgm-inc.com
Phone	970-385-2340
Name of Applicant (if different than grantee)	Same as above.
Mailing Address	
Position/Title	
Email	
Phone	

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Description of Grantee/Applicant
Provide a brief description of the grantee's organization (100 words or less).
La Plata Water Conservancy District (LPWCD), located in southwest La Plata County, was formed in 1944 by area irrigators and continues to be run by a volunteer Board. LPWCD has been working with irrigators, ditch companies, and the Colorado Division of Water Resources (CDWR) to monitor and help solve water shortage and allocation issues. LPWCD works with a range of water users to achieve water conservation, storage within Bobby K. Taylor (BKT) Reservoir for irrigation supplies, La Plata River Compact compliance, and native fish protection. LPWCD also manages Marvel Spring, an important, non-potable, water supply hauling station for local residents.

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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.
X	**Public (Districts):** Authorities, Title 32/special districts (conservancy, conservation, and irrigation districts), and water activity enterprises.
	Private Incorporated: Mutual ditch companies, homeowners associations, corporations.
	Private Individuals, Partnerships, and Sole Proprietors: Private parties may be eligible for funding.
	Non-governmental organizations (NGO): Organization that is not part of the government and is non-profit in nature.
	Covered Entity: As defined in Section 37-60-126 Colorado Revised Statutes.

Type of Water Project (check all that apply)	
	Study
X	Construction
X	Identified Process or Program
	Other

Category of Water Project (check all that apply)		
X	Supply and Demand Gap Projects - Multi-beneficial projects and those projects identified in basin implementation plans to address the water supply and demand gap. (Applicable Exhibit A Task(s) _1&2__)	
X	Water Storage Projects - Projects that facilitate the development of additional storage, artificial recharge into aquifers, and dredging existing reservoirs to restore the reservoirs' full decreed storage capacity. (Applicable Exhibit A Task(s) __1&2_____)	
	Conservation and Land Use Planning Projects - Activities and projects that implement long-term strategies for conservation, land use, and drought planning. (Applicable Exhibit A Task(s) _____)	
	Engagement & Innovation Projects - Activities and projects that support water education, outreach, and innovation efforts. Please fill out the Supplemental Application available on the website. (Applicable Exhibit A Task(s) _____)	
X	Agricultural Projects - Projects that provide technical assistance and improve agricultural efficiency. (Applicable Exhibit A Task(s) _1____)	
	Environmental & Recreation Projects – Projects that promote watershed health, environmental health, and recreation. (Applicable Exhibit A Task(s) _____)	
	Other	Explain:

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Location of Water Project	
Please provide the general county and coordinates of the proposed project below in **decimal degrees**. The Applicant shall also provide, in Exhibit C, a site map if applicable.	
County/Counties	La Plata County
Latitude	37.191°
Longitude	-108.081°

Water Project Overview

Please provide a summary of the proposed water project (200 words or less). Include a description of the project and what the CWP Grant funding will be used for specifically (e.g., studies, permitting process, construction). Provide a description of the water supply source to be utilized or the water body affected by the project, where applicable. 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, and area of habitat improvements, where applicable. 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, Other Funding Sources/Amounts and Schedule.

The BKT Reservoir is located on Long Hollow just above its confluence with the La Plata River. The primary water sources for the BKT Reservoir include: natural drainage and groundwater irrigation return flows from Long Hollow and Government Draw, along with precipitation. LPWCD obtained a final decree in Division 7, Case No. 00CW49 that grants storage rights for the filling of BKT Reservoir through recharge to the Red Mesa aquifer by means of seepage from ditches and percolation through recharge pits. Practically speaking, LPWCD would divert available water in-priority from the La Plata River through existing agricultural ditches and percolate those supplies into the aquifer for natural and delayed conveyance to BKT Reservoir.

This project would consist of constructing three recharge pits atop the Red Mesa aquifer, each approximately 50 ft. x 50 ft. x 5 ft., with 3:1 side slopes. In addition, a total of 11,020 linear feet across six laterals, each approximately 2 ft. x 2 ft., with 2:1 side slopes, would be constructed from existing ditches to the new recharge pits. This project would also include the installation of six headgates and fourteen measurement structures for LPWCD operation and CDWR administration.

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Measurable Results

To catalog measurable results achieved with the CWP Grant funds, please provide any of the following values as applicable:

N/A	New Storage Created (acre-feet)	
250-500 AF	New Annual Water Supplies Developed or Conserved (acre-feet), Consumptive or Nonconsumptive	
N/A	Existing Storage Preserved or Enhanced (acre-feet)	
N/A	Length of Stream Restored or Protected (linear feet)	
N/A	Efficiency Savings (indicate acre-feet/year OR dollars/year)	
N/A	Area of Restored or Preserved Habitat (acres)	
N/A	Quantity of Water Shared through Alternative Transfer Mechanisms	
N/A	Number of Coloradans Impacted by Incorporating Water-Saving Actions into Land Use Planning	
3 11,020	Other	Explain: Recharge Pits Linear feet of laterals installed

Water Project Justification

Provide a description of how this water project supports the goals of Colorado's Water Plan, the most recent Statewide Water Supply Initiative, and the applicable Roundtable Basin Implementation Plan and Education Action Plan. 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).

The proposed water project shall be evaluated based upon how well the proposal conforms to Colorado's Water Plan Framework for State of Colorado Support for a Water Project (CWP, Section 9.4, pp. 9-43 to 9-44;)

The BKT Reservoir Recharge Pits project will provide an estimated average of 250-500 AF per year of new water supply development, depending on the type of water year, to further enhance the inflows into BKT Reservoir. The Southwest Basin Roundtable specifically addressed these BKT Reservoir recharge pits in its Basin Implementation Plan Appendix A Identified Projects and Processes (IPP) List in ID No.14-LaP.

The La Plata River Basin is over-appropriated, under strict administration by the Division of Water Resources, and is bound by the 1922 La Plata River Compact. The BKT Reservoir stores water during the non-Compact season for multiple uses, including: the exchange of stored supplies for 23 irrigation ditches, whose combined service area is approximately 21,000 acres; supplemental water supply to meet the La Plata River Compact; and to provide water during low flows to support the native fisheries in the La Plata River, per the 2007 Memorandum of Understanding with the LPWCD, Colorado Department of Natural Resources, Colorado Division of Parks and Wildlife (CDPW), and the Division of Water Resources.

All additional water supply development in BKT Reservoir benefits local irrigators by reducing the agricultural water supply gap, the CDWR in meeting its daily La Plata River Compact requirements with New Mexico, and the CDPW in supporting native local fisheries, as well as enhancing the La Plata River base flows. LPWCD has obtained a decree for the use of recharge pits to store water in BKT Reservoir, and has initiated technical analyses with the CDWR to coordinate the administration of the

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Water Project Justification

recharge storage. LPWCD is able to fund half of the project and will employ a local contractor who is experienced in ditch work and maintenance. This project is technically and fiscally feasible and shovel-ready.

The construction of the laterals and recharge pits will be conducted on privately held lands whose owners are engaged in ongoing coordination regarding the construction of the recharge pits and facilities, and will not require any permitting. Tracking of the water diversions, including recharge, will be completed by the LPWCD, and will ultimately benefit the CDWR in administering La Plata River Compact operations.

Related Studies

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

LPWCD and its engineers are currently coordinating the required delayed return flow analyses with the CDWR to establish the required structures, monitoring, and delayed inflow timing associated with the recharge of the Red Mesa aquifer.

Previous CWCB Grants, Loans or Other Funding

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; 6) Percentage of other CWCB funding for your overall project.

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Previous CWCB Grants, Loans or Other Funding

1) LPWCD, La Plata River Water Resources Operations Model, $148,823, January 12, 2011, No. C150477. 80% CWCB, 20% LPWCD Match.

2) LPWCD, Long Hollow Reservoir Compact Delivery Study, $52,950, July 16-17, 2014, No. POGGI PDAA 20150000000000000122, 72% CWCB, 19% LPWCD Match, 9% CDWR.

3) LPWCD, Joseph Freed & Red Mesa Headgate and Ditch Improvement Project in the Southwest River Basin, $71,552, September 21-22, 2016, No. POGG1 PDAA 201700000460, 77% CWCB, 23% LPWCD Match.

Taxpayer Bill of Rights

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

LPWCD held a vote amongst its members on November 6, 2001 addressing budget issues related to TABOR. The result was an approval of the following referred issue:

WITHOUT AUTHORIZING ANY PROPERTY TAXES, SHALL THE LA PLATA WATER CONSERVANCY DISTRICT OF LA PLATA COUNTY, COLORADO, BE AUTHORIZED TO COLLECT, AND EXPEND OR RETAIN THE FULL AMOUNT OF ANY REVENUE RECEIVED
AFTER NOVEMBER 6, 2001 FROM ANY SOURCE, INCLUDING NON-FEDERAL GRANTS,
NOT WITHSTANDING ANY RESTRICTION ON REVENUE OR SPENDING, INCLUDING THE REVENUE GROWTH LIMITATIONS CONTAINED IN C.R.S. SECTION 29-1-301, et seq., AND IN ARTICLE X, SECTION 20, OF THE COLORADO CONSTITUTION, SUCH AUTHORIZATION TO CONSTITUTE A VOTER-APPROVED REVENUE AND SPENDING CHANGE?

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Submittal Checklist	
X	I acknowledge the Grantee will be able to contract with CWCB using the Standard Contract.
Exhibit A	
X	Statement of Work(1)
X	Budget & Schedule(1) *(Spreadsheet)*
X	Letters of Matching and/or Pending 3rd Party Commitments(1)
Exhibit C	
X	Map(1)
	Photos/Drawings/Reports
	Letters of Support (Support letter from Basin Roundtable encouraged)
	Certificate of Insurance (General, Auto, & Workers' Comp.)
	Certificate of Good Standing with Colorado Secretary of State(2)
	W-9(2)
	Independent Contractor Form(2) (If applicant is individual, not company/organization)
Engagement & Innovation Grant Applicants ONLY	
	Engagement & Innovation Supplemental Application(1)

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

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Colorado Water Conservation Board

Water Plan Grant - Exhibit A

Statement Of Work

Date:	**August 1, 2017**
Name of Applicant:	**La Plata Water Conservancy District**
Name of Water Project:	**Bobby K. Taylor Reservoir Recharge Pits**
Funding Source:	**CWCB**

Water Project Overview: Please provide a summary of the proposed water project (200 words or less). The same summary can be used from Page 5 of the CWP Grant Application.

The BKT Reservoir is located on Long Hollow just above its confluence with the La Plata River. The primary water sources for the BKT Reservoir include: natural drainage and irrigation return flows from Long Hollow and Government Draw, along with precipitation. LPWCD obtained a final decree in Division 7, Case No. 00CW49 that grants storage rights for the filling of BKT Reservoir through recharge to the Red Mesa aquifer by means of seepage from ditches and percolation through recharge pits. Practically speaking, LPWCD would divert available water in-priority from the La Plata River through existing agricultural ditches and percolate those supplies into the aquifer for natural and delayed conveyance to BKT Reservoir.

This project would consist of constructing three recharge pits atop the Red Mesa aquifer, each approximately 50 ft. x 50 ft. x 5 ft., with 3:1 side slopes. In addition, a total of 11,020 linear feet across six laterals, each approximately 2 ft. x 2 ft., with 2:1 side slopes, would be constructed from existing ditches to the new recharge pits. This project would also include the installation of six headgates and fourteen measurement structures for LPWCD operation and CDWR administration.

Objectives: List the objectives of the project.

Objectives of the proposed work:

- Construct three recharge pits and associated laterals, headgates, and measurement structures that can be used during the non-compact season to recharge the Red Mesa aquifer.
- Recharge of the Red Mesa aquifer will increase inflows into the BKT Reservoir.
- Water stored in the BKT Reservoir can be used to:
    - Reduce the agricultural water supply gap by developing additional agricultural supplies for exchange.
    - Improve La Plata River Compact deliveries and streamline water management.
    - Help to support native fish species.
    - Enhance La Plata River base flows.

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Tasks
Provide a detailed description of each project task using the following format:
Task 1 – Construct three recharge pits and equip six recharge pits
Description of Task:
• Construct three recharge pits atop the Red Mesa aquifer; an additional three pits currently exist. • Equip six recharge pits with CDWR approved measurement devices.
Method/Procedure:
• LPWCD contractor will use a dozer, backhoe, and excavator to construct three recharge pits.   ○ Each pit will measure approximately 50 ft. x 50 ft. x 50 ft., with 3:1 side slopes.
Grantee Deliverable: Describe the deliverable the grantee expects from this task
Construction of three recharge pits and equip six recharge pits.
CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task
A final report for task 1 will be submitted documenting work performed including photographs.

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Tasks
Provide a detailed description of each task using the following format:
Task 2 – Construction of Recharge Pit Laterals
Description of Task:
• Construct a total of 11,020 linear feet combined for six laterals from existing ditches to the six recharge pits. • Equip laterals with operable headgates. • Equip laterals with six headgates and eight CDWR-approved measurement structures.
Method/Procedure:
• LPWCD contractor will use a dozer, backhoe, and excavator to construct six laterals and associated measurement structures.   ○ Each lateral will measure approximately 2 ft. x 2 ft., with 2:1 slopes
Grantee Deliverable: Describe the deliverable the grantee expects from this task
Construction of six laterals, six headgates, and eight associated measurement structures.
CWCB Deliverable: Describe the deliverable the grantee will provide CWCB documenting the completion of this task
A final report for task 2 will be submitted documenting work performed including photographs.

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Budget and Schedule

This Statement of Work shall be accompanied by a combined Budget and Schedule that reflects the Tasks identified in the Statement of Work and shall be submitted to CWCB in excel format.

Reporting Requirements

Progress Reports: The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of issuance of a purchase order, or the execution of a contract. The progress report shall describe the status of the tasks identified in the statement of work, including a description of any major issues that have occurred and any corrective action taken to address these issues. The CWCB may withhold reimbursement until satisfactory progress reports have been submitted.

Final Report: At completion of the project, the applicant shall provide the CWCB a Final Report on the applicant's letterhead that:

- Summarizes the project and how the project was completed.
- Describes any obstacles encountered, and how these obstacles were overcome.
- Confirms that all matching commitments have been fulfilled.
- Includes photographs, summaries of meetings and engineering reports/designs.

The CWCB will withhold disbursement the last 10% of the 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 purchase order or grant will be closed without any further payment.

LA PLATA WATER CONSERVANCY DISTRICT
PO Box 71
Marvel, CO 81329-0071

August 1, 2017

Email: Gregory.Johnson@state.co.us

Mr. Gregory Johnson
Colorado Water Conversation Board
1313 Sherman St, Room 718
Denver, CO 80203

Re: Colorado Water Plan Grant Fund Application – Bobby K. Taylor Reservoir Recharge Pits

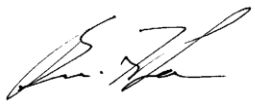
Dear Mr. Johnson,

The La Plata Water Conservancy District (LPWCD) obtained a final decree in Division 7, Case No. 00CW49 that grants storage rights for the filling of Bobby K. Taylor (BKT) Reservoir through recharge to the Red Mesa aquifer by means of seepage from ditching and percolation through recharge pits. LPWCD is seeking CWCB funding through the Colorado Water Plan Grant program to increase storable inflows to the BKT Reservoir. The existing BKT Reservoir is used for agricultural water supply, Compact compliance with New Mexico, and to support native fisheries.

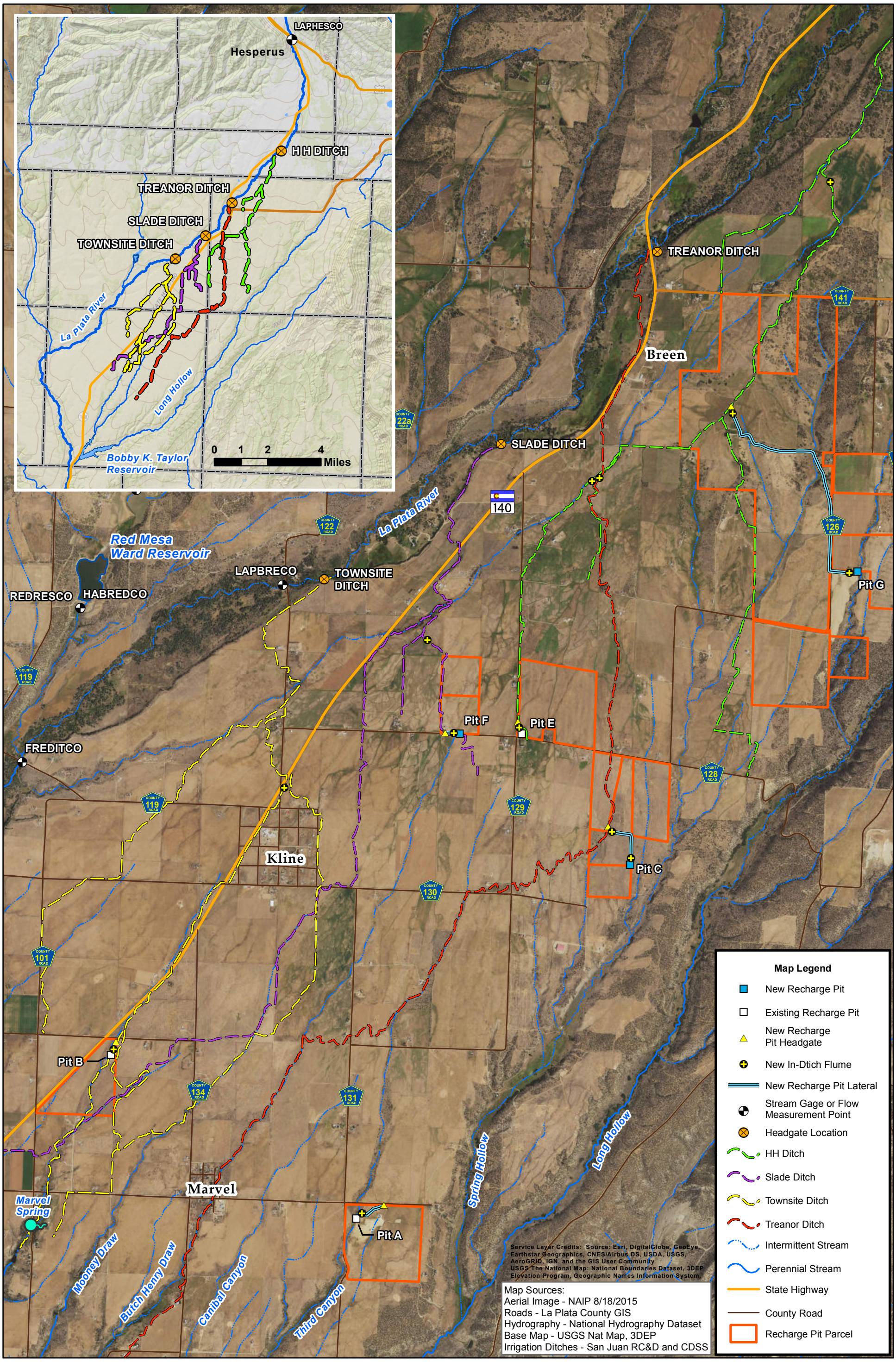
The BKT Reservoir Recharge Pits project will involve the construction of three recharge pits, six laterals, six headgates and fourteen measurement structures. The completion of this project will improve La Plata River compact operation, water management and conservation, increase efficiency of water delivery to Colorado ditches, reduce the agricultural water supply gap, help support native fish populations and enhance the La Plata River base flow.

We are very supportive of this project and are seeking LPWCD Board approval of $35,000 to fund the Bobby K. Taylor Reservoir Recharge Pits Project at the upcoming LPWCD board meeting to be held on August 8th, 2017. We anticipate the Board will fully endorse and approve of this use of LPWCD funds for the BKT Reservoir Recharge Pits project. We request the CWCB also support this important project in the La Plata River Basin. Please contact me if you have any questions.

LA PLATA WATER CONSERVANCY DISTRICT



Brice F. Lee, President



SGM
555 RiverGate Lane, Suite B4-82
Durango, CO 81301
(970) 385-2340ph 385-2341fx
www.sgm-inc.com

N

0 1,500 3,000 6,000 Feet

1 inch = 3,000 feet

Designed by:RZM
Checked by: NJD
Date: 8/1/2017
Scale: 1:36,000

LPWCD Recharge Pits and Laterals

DRAFT

Figure 1

P:\Project Files\00206 LPWCD\Mapping\ArcMap_files\2017\Recharge-Pits\Fig1-LPWCDPitsLaterals.mxd

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COLORADO
Colorado Water Conservation Board
Department of Natural Resources

Colorado Water Conservation Board

Water Plan Grant - Exhibit A
Budget and Schedule

Date: August 1, 2017

Name of Applicant: La Plata Water Conservancy District

Name of Water Project: Bobby K. Taylor Reservoir Recharge Pits

Task No.	Task Description	Start Date[1]	End Date	Water Project Funding Category	Grant Funding Request	Match Funding	Total
1	Construct three recharge pits (50 ft x 50 ft x 5 ft with 3:1 side slope)	1/15/2018	5/31/2018	Agricultural	$4,500	$4,500	$9,000
2	Construct laterals from ditches to recharge pits with diversion and measurement structures (11,020 ft x 2 ft x 2 ft with 2:1 side slope)	01/15/2018	5/31/2018	Agricultural	$30,500	$30,500	$61,000
				Total	$35,000	$35,000	$70,000

(1) Start Date for funding under $100K, minimum 45 Days from Board Approval; Start Date for funding over $100K, minimum 90 Days from Board Approval.

·Round values up to the nearest hundred dollars.

·Reimbursement eligibility commences upon the grantee's receipt of a Notice to Proceed (NTP)

·NTP will not be accepted as a start date. Project activities may commence as soon as grantee enters contract and receives formal NTP if prior to the listed "Start Date".

·The applicant shall provide a progress repost every 6 months, beginning from the date of contract execution.

·CWCB will withhold disbursement of the last 10% of the total grant amount until a Final Report is completed to the satisfaction of CWCB staff (2017 CWP Grant Guidelines).