

Water Supply Reserve Account – Grant and Loan Program
Water Activity Summary Sheet
March 16-17, 2016
Agenda Item 14(w)

Applicant & Fiscal Agent: Mancos Conservation District

Water Activity Name: Mancos River Habitat and Diversion Project – Phase III

Water Activity Purpose: Agricultural/Implementation

County: Montezuma

Drainage Basin: Southwest

Water Source: Mancos River

Amount Requested/Source of Funds: \$59,000 Southwest Basin Account

Matching Funds: Applicant & 3rd Party Match = \$26,646 (\$18,200 cash; \$8,446 in-kind) of total project costs (\$85,646)
(refer to *Funding Summary/Matching Funds* section)

| |
|---|
| Staff Recommendation: |
| Staff recommends approval of up to \$59,000 from the Southwest Basin Account to help fund the project titled: Mancos River Habitat and Diversion Project - Phase III. |

Water Activity Summary: WSRA funds, if approved, will be expended to complete two simultaneous efforts. One effort will physically improve the agricultural and ecological function of a 2-mile reach of the East Mancos River, by installing improved diversion structures at 3 irrigation ditch headings. The improved structures will save irrigators annual maintenance costs of irrigating 413 acres, while also allowing fish and sediment passage at higher flows, and promoting channel stability. The other effort will convene a collaborative process to integrate existing data into an assessment of the resiliency of the Mancos River in light of a changing climate. This stakeholder assessment will be useful to land owners and managers interested in where/how to invest resources to maintain/improve the value of the Mancos River for multiple uses into the future. The Mancos River Habitat and Diversion Project – Phase III is a multipurpose project building on and integrating the products of Phases I and II. Phase III will continue to implement the findings developed in the Mancos River Diversion Project- Phase I to improve the ecological and agricultural function of an additional 1.5-mile reach of the lower East Mancos River.

Discussion: This project aligns well with several of the Southwest Basin Implementation Plan's Basin Goals and Measurable Outcomes as indicated in the grant application; such as B. Meet Agricultural Needs; B2: Implement efficiency measures to maximize beneficial use and production; and B3: Implement IPPs that work towards meeting agricultural water supply need; D. Meet Recreational Water Needs; D1: Maintain, protect and enhance recreational values and economic values to local and statewide economies from recreational water uses, such as fishing, boating, hunting, wildlife watching, camping, and hiking; E. Meet Environmental Water Needs; E2: Protect, maintain, monitor and improve the condition of natural function of streams, lakes, wetlands, and riparian areas to promote self-sustaining fisheries, and to support native habitat in the long term, and

adapt to changing conditions (Section 1: Basin Goals and Measurable Outcomes, Table 1, pages 12-16). While this effort has not been specifically identified as an IPP in the Southwest Basin Implementation Plan, it could be considered a continuation of the Mancos River Habitat and Diversion Project – Phase 2 (SWBIP, Appendix A, Mancos River Basin IPP List, ID # 3-M, page 12 of 18). In addition this effort advances the Critical Goals and Actions to: Maintain Agricultural Viability, and Support Agricultural Conservation and Efficiency (CWP Chapter 10.3, D. Agriculture; page 10-10); and F. Watershed Health, Environment, and Recreation (CWP Chapter 10.3, page 10-12).

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

Threshold and Evaluation Criteria: The application meets all four Threshold Criteria.

Tier 1-3 Evaluation Criteria: n/a

Funding Summary/Matching Funds:

| | <u>Cash</u> | <u>In-kind</u> | <u>Total</u> |
|------------------------------|-----------------|----------------|-----------------|
| Mancos Conservation District | \$15,700 | \$1,348 | \$17,048 |
| US National Park Service | \$2,500 | \$877 | \$3,377 |
| Mountain Studies Institute | \$0 | \$2,148 | \$2,148 |
| Other Entities & Volunteers | \$0 | \$4,073 | \$4,073 |
| Subtotal matching funds | \$18,200 | \$8,446 | \$26,646 |
| WSRA Southwest Basin Account | \$59,000 | n/a | \$59,000 |
| Total Project Costs | \$77,200 | \$8,446 | \$85,646 |

CWCB Project Manager: Craig Godbout

All products, data and information developed as a result of this grant must be provided to the CWCB in hard copy and electronic format as part of the project documentation. This information will in turn be made widely available to Basin Roundtables and the general public and will help promote the development of a common technical platform. In accordance with the revised WSRA Criteria and Guidelines, staff would like to highlight additional reporting and final deliverable requirements. The specific requirements are provided below.

Reporting: The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of the executed contract. The progress report shall describe the completion or partial completion of the tasks identified in the scope of work including a description of any major issues that have occurred and any corrective action taken to address these issues.

Final Deliverable: At completion of the project, the applicant shall provide the CWCB a final report that summarizes the project and documents how the project was completed. This report may contain photographs, summaries of meetings and engineering reports/designs.

Engineering: All engineering work (as defined in the Engineers Practice Act (§12-25-102(10) C.R.S.)) performed under this grant shall be performed by or under the responsible charge of professional engineer licensed by the State of Colorado to practice Engineering.

SOUTHWEST BASINS ROUNDTABLE

Michael Preston, Chair

c/o Dolores Water Conservancy District

P.O. Box 1150

Cortez, Colorado 81321

970-565-7562

January 15, 2016

Mr. Craig Godbout

Water Supply Management Section

Colorado Water Conservation Board

1580 Logan Street, Suite 600

Denver, Colorado 80203

SUBJECT: Mancos River Habitat and Diversion Project – Phase III, \$59,000 from
Southwest Basin Account

Dear Mr. Godbout:

The Southwest Basin Roundtable approved funding of \$59,000 from the Basin Account for Mancos River Habitat and Diversion Project – Phase III. The application was considered in detail and approved at the January 13, 2016 meeting of the Southwest Basin Roundtable. There was a quorum of Roundtable members present.

The proposed project is an IPP in the Southwest BIP and a multi-benefit project which improves irrigation deliveries and stream health as well as boater and fish passage.

The completed Grant Application will be forwarded directly to you by the applicant. Please contact the applicant directly or me at 970-565-7562, mpreston@frontier.net, if you have questions or wish to discuss this application in more detail.

Sincerely,



Michael Preston

Southwest Basin Roundtable Chair

From: Ryan Brown <rcorrickb@aol.com>
To: Rcorrickb <Rcorrickb@aol.com>
Subject: Mancos Conservation District Letter of Support
Date: Tue, Dec 29, 2015 2:28 pm

December, 2015

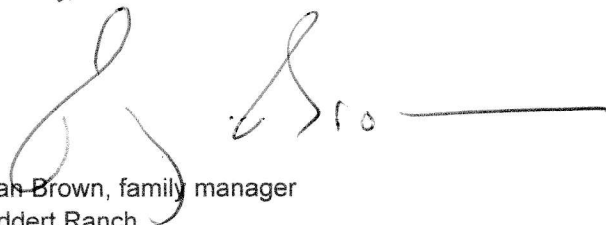
To Whom it May Concern:

I am writing to support the Mancos Conservation District's application for funding to work on the diversions of the Giles and Samson ditches on the East Mancos River.

Both diversions lie on our property, and both need work. The Samson in particular silts up yearly, needs a new headgate, and has a steep drop below where it is dammed up. The Giles ditch carries more water, is more easily accessible and has received more attention in recent years, but the river is wider above it and needs regular channeling to divert the water.

The Reddert Ranch thanks you for your consideration and potential assistance.

Sincerely,

A handwritten signature in black ink, appearing to be 'Ryan Brown', followed by a horizontal line.

Ryan Brown, family manager
Reddert Ranch
10375 Road 44
Mancos, Colorado 81328

Robbins Family Ranches
PO Box 423
Mancos, CO 81328
January 4, 2016

To Whom It May Concern:

I am writing this letter in support of the Mancos Conservation District's application for funding from the San Juan Basin Round Table.

The Graybeal ditch irrigates 61 acres of the Robbins Family Ranch. The work planned at the Graybeal ditch heading will improve flow amounts to the head gate during high and low flow periods. This will eliminate the time that has been required to repair the diversion dam, re-locate silt and rocks and deepening of the diversion channel.

The other benefits derived from this project would include improved aquatic habitat, reduction of silt and debris buildup as well as bank erosion.

Robbins Family Ranch thanks you for your consideration of this project and possible funding.

Sincerely,

A handwritten signature in dark ink, appearing to read "Deana Yoemans", with a stylized, flowing script.

Deana Yoemans, Executor of Robbins Family Ranches Trust
Robbins Family Ranches
PO Box 423
Mancos, CO 81328



COLORADO WATER CONSERVATION BOARD



WATER SUPPLY RESERVE ACCOUNT APPLICATION FORM

Today's Date: January 4, 2015

Mancos River Habitat and Diversion Project - Phase III

Name of Water Activity/Project

Mancos Conservation District

Name of Applicant

Southwest Basins
Roundtable

Amount from Statewide Account:

0

Amount from Basin Account(s):

59,000

Total WSRA Funds Requested:

59,000

Approving Basin Roundtable(s)

(If multiple basins specify amounts in parentheses.)

FEIN: 84-0614777

Application Content

| | |
|--|---------|
| Application Instructions | page 2 |
| Part I – Description of the Applicant | page 3 |
| Part II – Description of the Water Activity | page 5 |
| Part III – Threshold and Evaluation Criteria | page 7 |
| Part IV – Required Supporting Material | |
| Water Rights, Availability, and Sustainability | page 10 |
| Related Studies | page 10 |
| Signature Page | page 12 |

Required Exhibits

- A. Statement of Work, Budget, and Schedule
- B. Project Map
- C. As Needed (i.e. letters of support, photos, maps, etc.)

Appendices – Reference Material

- 1. Program Information
- 2. Insurance Requirements
- 3. WSRA Standard Contract Information (Required for Projects Over \$100,000)
- 4. W-9 Form (Required for All Projects Prior to Contracting)

Water Supply Reserve Account – Application Form

Revised October 2013

Instructions

To receive funding from the Water Supply Reserve Account (WSRA), a proposed water activity must be approved by the local Basin Roundtable **AND** the Colorado Water Conservation Board (CWCB). The process for Basin Roundtable consideration and approval is outlined in materials in Appendix 1.

Once approved by the local Basin Roundtable, the applicant should submit this application **with a detailed statement of work including budget and schedule as Exhibit A** to CWCB staff by the application deadline.

WSRA applications are due with the roundtable letter of support 60 calendar days prior to the bi-monthly Board meeting at which it will be considered. Board meetings are held in January, March, May, July, September, and November. Meeting details, including scheduled dates, agendas, etc. are posted on the CWCB website at: <http://cwcb.state.co.us> Applications to the WSRA Basin Account are considered at every board meeting, while applications to the WSRA Statewide Account are only considered at the March and September board meetings.

When completing this application, the applicant should refer to the WSRA Criteria and Guidelines available at: <http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Documents/WSRACriteriaGuidelines.pdf>. In addition, the applicant should also refer to the [Supplemental Scoring Matrix](#) applied to Evaluation Criteria Tiers 1-3 for Statewide Account requests .

The application, statement of work, budget, and schedule **must be submitted in electronic format** (Microsoft Word or text-enabled PDF are preferred) and can be emailed or mailed on a disk to:

Craig Godbout - WSRA Application
Colorado Water Conservation Board
1313 Sherman St., Room 721
Denver, CO 80203
Craig.godbout@state.co.us

If you have questions or need additional assistance, please contact Craig Godbout at: 303-866-3441 x3210 or craig.godbout@state.co.us.

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Part I. - Description of the Applicant (Project Sponsor or Owner);

| | | | | |
|----|--------------------|---------------------------------|-----------------|--------------|
| 1. | Applicant Name(s): | Mancos Conservation District | | |
| | Mailing address: | P O Box 694 Mancos, CO 81328 | | |
| | FEIN #: | 84-0614777 | | |
| | Primary Contact: | Gretchen Rank | Position/Title: | Manager |
| | Email: | gretchenr.mancoscd@gmail.com | | |
| | Phone Numbers: | Cell: 970-560-5638 | Office: | 970-533-7317 |
| | Alternate Contact: | Ann Oliver | Position/Title: | Grant Writer |
| | Email: | annsoliver@gmail.com | | |
| | Phone Numbers: | Cell: 970-903-9361 | Office: | 970-903-9361 |

2. Eligible entities for WSRA funds include the following. What type of entity is the Applicant?

- ☐ Public (Government) – municipalities, enterprises, counties, and State of Colorado agencies. Federal agencies are encouraged to work with local entities and the local entity should be the grant recipient. 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.
- ☐ 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 defined as any organization that is not part of the government.

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3. Provide a brief description of your organization

The Mancos Conservation District (MCD or District) is a public corporation organized under State statute within the Colorado Department of Agriculture. MCD was established on August 30, 1948. The District is located in Montezuma County, with a total acreage of 156,000. The mission of the District is to provide educational, financial, and technical assistance to local land owners to: improve grazing sustainability, foster sound range management, prevent soil erosion, protect water quality and quantity, and prevent the spread of noxious weeds. The MCD generates funding through local, state, and federal sources. Local citizens elect the District board to identify and address local natural resource issues. The board involves locals and experts to help develop strategic plans. Meetings, which are open to the public, are held the second Monday of each month.

4. If the Contracting Entity is different then the Applicant (Project Sponsor or Owner) please describe the Contracting Entity here.

The Contracting Entity is the same as the Applicant.

5. Successful applicants will have to execute a contract with the CWCB prior to beginning work on the portion of the project funded by the WSRA grant. In order to expedite the contracting process the CWCB has established a standard contract with provisions the applicant must adhere to. A link to this standard contract is included in Appendix 3. Please review this contract and check the appropriate box.

☒ The Applicant will be able to contract with the CWCB using the Standard Contract

☐ The Applicant has reviewed the standard contract and has some questions/issues/concerns. Please be aware that any deviation from the standard contract could result in a significant delay between grant approval and the funds being available.

6. 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.

MCD has “de-TABORed” and so is not subject to TABOR.

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Part II. - Description of the Water Activity/Project

1. What is the primary purpose of this grant application? (Please check only one)

☐ Nonconsumptive (Environmental or Recreational)

☒ Agricultural

☐ Municipal/Industrial

☐ Needs Assessment

☐ Education

☐ Other

Explain:

2. If you feel this project addresses multiple purposes please explain.

This multi-purpose project will complete two tasks. One task will physically improve the agricultural and ecological function of a 1.5-mile reach of the lower East Mancos River, by installing improved diversion structures at 3 irrigation ditch headings. The improved structures will save irrigators annual maintenance costs, while also allowing fish and sediment passage at higher flows, and promoting channel stability. The other task will integrate existing data into an assessment of the resiliency of the Mancos River in light of a changing climate. This stakeholder assessment will be useful to land owners and managers interested in where/how to invest resources to maintain/improve the value of the Mancos River for multiple uses into the future.

3. Is this project primarily a study or implementation of a water activity/project? (Please check only one)

☐ Study

☒ Implementation

4. To catalog measurable results achieved with WSRA funds can you provide any of the following numbers?

New Storage Created (acre-feet)

New Annual Water Supplies Developed, Consumptive or Nonconsumptive (acre-feet)

Existing Storage Preserved or Enhanced (acre-feet)

Length of Stream Restored or Protected (linear feet)

Length of Pipe/Canal Built or Improved (linear feet)

Efficiency Savings (acre-feet/year OR dollars/year – **circle one**)

Area of Restored or Preserved Habitat (acres)

Other -- Explain:

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4. To help us map WSRA projects please include a map (Exhibit B) and provide the general coordinates below:

Latitude: 37.365825

Longitude: -108.2414304164

5. Please provide an overview/summary of the proposed water activity (no more than one page). Include a description of the overall water activity and specifically what the WSRA funding will be used for. A full **Statement of Work** with a detailed budget and schedule is required as **Exhibit A** of this application.

The Mancos River Habitat and Diversion Project – Phase III is a multipurpose project building on and integrating the products of Phases I and II. Phase III will continue to implement the findings developed in the Mancos River Diversion Project- Phase I to improve the ecological and agricultural function of an additional 1.5-mile reach of the lower East Mancos River. In addition, Phase III will integrate existing data into an assessment of the resiliency of the Mancos River to support multiple values and uses, in light of a changing climate.

The objectives of the Mancos River Habitat and Diversion Project – Phase III are:

- 1) To further the efforts begun in the Mancos River Habitat and Diversion Project – Phases I and II to decrease the time and costs incurred in diverting irrigation water at 3 irrigation diversions, while also improving channel function and fish passage on the reach of the lower East Mancos River stretching from the West Fork upstream to just above the Middle Fork.*
- 2) To complete the effort begun by the Mancos Conservation District, Mountain Studies Institute and the Mancos River Watershed Group in 2015 to integrate existing data into an assessment of the resilience of the Mancos River in meeting multiple uses and values in the face of changing climate conditions.*

Many partners have already collaborated with and supported the Mancos Conservation District to lay the foundations for accomplishing these objectives. Among them are the Southwestern Water Conservation District, Mountain Studies Institute, Mesa Verde National Park, Trout Unlimited, the Ute Mountain Ute Tribe, the San Juan National Forest, the Samson, Giles and Graybeal Ditches, private landowners along the Mancos River (see Exhibit C for letters of support), and local volunteers. Objective 1 will implement designs produced with support from the Southwestern Water Conservation District under the Mancos Diversion Project grant. Work on Objective 2 has already begun with a series of five Mancos River Restoration meetings facilitated by Mountain Studies Institute staff with Mancos Valley Watershed Group stakeholders between April and October 2015.

WSRA funds will be used to fund the contracting of technical expertise, the purchase of materials, project management and fiscal administration services.

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Part III. – Threshold and Evaluation Criteria

1. Describe how the water activity meets these **Threshold Criteria**. (Detailed in Part 3 of the Water Supply Reserve Account Criteria and Guidelines.)

- a) The water activity is consistent with Section 37-75-102 Colorado Revised Statutes.¹

Task 1 of this project will integrate existing data and information to assess the resiliency of the Mancos River; no water rights will be involved. Task 3 of the project will install more efficient and manageable irrigation diversion structures at three ditch headings. It is our vision that existing water rights of the Samson, Giles, and Graybeal ditches will be enhanced by this project through more efficient diversion structures and more accuracy at the point of diversion.

- b) The water activity underwent an evaluation and approval process and was approved by the Basin Roundtable (BRT) and the application includes a description of the results of the BRT's evaluation and approval of the activity. At a minimum, the description must include the level of agreement reached by the roundtable, including any minority opinion(s) if there was not general agreement for the activity. The description must also include reasons why general agreement was not reached (if it was not), including who opposed the activity and why they opposed it. Note- If this information is included in the letter from the roundtable chair simply reference that letter.

Evaluation and approval are pending consideration of this application by the Southwest Basin Roundtable on January 13, 2016. A description of the evaluation and approval by the Southwest Basin Roundtable will be provided in a letter from Mike Preston, Roundtable Chair.

¹ 37-75-102. Water rights - protections. (1) It is the policy of the General Assembly that the current system of allocating water within Colorado shall not be superseded, abrogated, or otherwise impaired by this article. Nothing in this article shall be interpreted to repeal or in any manner amend the existing water rights adjudication system. The General Assembly affirms the state constitution's recognition of water rights as a private usufructuary property right, and this article is not intended to restrict the ability of the holder of a water right to use or to dispose of that water right in any manner permitted under Colorado law. (2) The General Assembly affirms the protections for contractual and property rights recognized by the contract and takings protections under the state constitution and related statutes. This article shall not be implemented in any way that would diminish, impair, or cause injury to any property or contractual right created by intergovernmental agreements, contracts, stipulations among parties to water cases, terms and conditions in water decrees, or any other similar document related to the allocation or use of water. This article shall not be construed to supersede, abrogate, or cause injury to vested water rights or decreed conditional water rights. The General Assembly affirms that this article does not impair, limit, or otherwise affect the rights of persons or entities to enter into agreements, contracts, or memoranda of understanding with other persons or entities relating to the appropriation, movement, or use of water under other provisions of law.

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- c) The water activity meets the provisions of Section 37-75-104(2), Colorado Revised Statutes.² The Basin Roundtable Chairs shall include in their approval letters for particular WSRA grant applications a description of how the water activity will assist in meeting the water supply needs identified in the basin roundtable's consumptive and/or non-consumptive needs assessments.

The Mancos River Habitat and Diversion Project – Phase III continues implementation of several projects and processes identified in Appendix A of the Southwest Basins Implementation Plan (2015), including the following: Environmental and Recreational Needs (1 and 2-MB); Implementation of the Range-Wide Conservation Agreement and Strategy for Roundtail Chub, Flannemouth Sucker, and Bluehead Sucker (5-MB); Mancos River Watershed Stakeholders Group (2-M). It will also provide information pertinent to each of the projects and processes included for the Mancos watershed (1 thru 21-M) (e.g.; Mancos Fishing Habitat Improvements (4-M); Habitat Assessment of the Mancos River (5-M), etc.).

The project addresses consumptive needs by constructing improved agricultural irrigation diversion structures that will increase the efficiency and reduce maintenance costs of irrigating a total of 413 acres, and by convening stakeholders to assess and discuss the resiliency of the Mancos River to continue to support multiple uses including agriculture, municipal, environmental and recreational into the future.

The project will compile and assess information on the resilience of the Mancos River to changing conditions, and foster collaboration throughout the watershed, including protection of Colorado Outstanding Waters (Mancos River through Mesa Verde National Park), and the East Fork of the Mancos, for which a TMDL has been issued by the Colorado Department of Public Health and Environment Water Quality Control Division.

The project addresses environmental needs including four CWCB in-stream flow rights in the Mancos watershed and. conservation of habitat supporting aquatic dependent state threatened, endangered and special concern species. Phase III will improve fish passage and aquatic habitat along a reach of the lower East Mancos River. The Mancos River supports roundtail chub, bluehead sucker and flannemouth sucker as far up at the Town of Mancos (Mancos Valley Watershed Group 2011; Colorado Parks and Wildlife 2012). Roundtail chub, bluehead sucker and flannemouth sucker are three native fish species addressed by a 6- State Conservation Agreement. Conservation of all three species is identified as a non-consumptive need by the Southwest Basins Roundtable (SWSI 2010), goal and measureable outcome (SW Basin Implementation Plan 2015). In addition, the Mancos River supports bald eagle nesting.

The project addresses recreational needs, goals and measureable outcomes identified by the Southwest Basins Roundtable (SWSI 2010; SW Basin Implementation Plan 2015) including boating, fishing and waterfowl hunting and viewing on Jackson Gulch and Joe Moore Reservoirs, and fishing on the West Mancos, East Mancos and

² 37-75-104 (2)(c). Using data and information from the Statewide Water Supply Initiative and other appropriate sources and in cooperation with the on-going Statewide Water Supply Initiative, develop a basin-wide consumptive and nonconsumptive water supply needs assessment, conduct an analysis of available unappropriated waters within the basin, and propose projects or methods, both structural and nonstructural, for meeting those needs and utilizing those unappropriated waters where appropriate. Basin Roundtables shall actively seek the input and advice of affected local governments, water providers, and other interested stakeholders and persons in establishing its needs assessment, and shall propose projects or methods for meeting those needs. Recommendations from this assessment shall be forwarded to the Interbasin Compact Committee and other basin roundtables for analysis and consideration after the General Assembly has approved the Interbasin Compact Charter.

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Middle Mancos Rivers.

- d) Matching Requirement: For requests from the **Statewide Fund**, the applicants will be required to demonstrate a **25 percent** (or greater) match of the total grant request from the other sources, including by not limited to Basin Funds. A minimum match of 5% of the total grant amount shall be from Basin funds. A minimum match of 5% of the total grant amount must come from the applicant or 3rd party sources. Sources of matching funds include but are not limited to Basin Funds, in-kind services, funding from other sources, and/or direct cash match. Past expenditures directly related to the project may be considered as matching funds if the expenditures occurred within 9 months of the date the contract or purchase order between the applicant and the State of Colorado is executed. Please describe the source(s) of matching funds. (NOTE: These matching funds should also be reflected in your Detailed Budget in **Exhibit A** of this application)

*The following sources are supplying a **total match of \$26,646** (45% of the total grant request):*

| | <u>Cash</u> | <u>In-Kind</u> |
|--|----------------|----------------|
| <i>Mancos Conservation District</i> | <i>\$15700</i> | <i>\$1348</i> |
| <i>National Park Service</i> | <i>\$2500</i> | <i>\$877</i> |
| <i>Mountain Studies Institute</i> | <i>-</i> | <i>\$2148</i> |
| <i>Other Watershed Partners and Volunteers</i> | <i>-</i> | <i>\$4073</i> |

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2. For Applications that include a request for funds from the **Statewide Account**, describe how the water activity/project meets all applicable **Evaluation Criteria**. (Detailed in Part 3 of the Water Supply Reserve Account Criteria and Guidelines and repeated below.) Projects will be assessed on how well they meet the Evaluation Criteria. **Please attach additional pages as necessary.**

Evaluation Criteria – the following criteria will be utilized to further evaluate the merits of the water activity proposed for funding from the Statewide Account. In evaluation of proposed water activities, preference will be given to projects that meet one or more criteria from each of the three “tiers” or categories. Each “tier” is grouped in level of importance. For instance, projects that meet Tier 1 criteria will outweigh projects that only meet Tier 3 criteria. The applicant should also refer to the Supplemental Scoring Matrix applied to Evaluation Criteria Tiers 1-3 for Statewide Account requests. WSRA grant requests for projects that may qualify for loans through the CWCB loan program will receive preference in the Statewide Evaluation Criteria if the grant request is part of a CWCB loan/WSRA grant package. For these CWCB loan/WSRA grant packages, the applicant must have a CWCB loan/WSRA grant ratio of 1:1 or higher. Preference will be given to those with a higher loan/grant ratio.

Tier 1: Promoting Collaboration/Cooperation and Meeting Water Management Goals and Identified Water Needs

- a. The water activity addresses multiple needs or issues, including consumptive and/or non-consumptive needs, or the needs and issues of multiple interests or multiple basins. This can be demonstrated by obtaining letters of support from other basin roundtables (in addition to an approval letter from the sponsoring basin).

The Mancos River Habitat and Diversion Project – Phase III addresses non-consumptive needs including fish passage, channel bed and channel bank stability, and channel width to depth ratios together with consumptive needs including efficient and cost effective diversion of irrigation water rights, as well as the multiple interest issues of the resilience of the water supply, water quality, habitat and wildlife supported by the Mancos River system, and highly valued by agricultural, municipal, environmental and recreational interests alike.

These issues were identified as needs by several assessments including the Mancos River Basin In-Stream Flow Report: Preliminary Evaluation of Flow Restoration Options (Beatie and Smith 2011), Mancos Watershed Plan (Mancos Valley Watershed Group 2011), Mancos River Watershed Diversions (Lanci 2009), and the Functional Assessment of the Mancos River Watershed: Mancos Valley and Adjacent Areas (Stacey 2007), as well as the Southwest Roundtable Needs Assessment (SWSI 2010) and Basin Implementation Plan (2015). The Mancos Conservation District; Mancos River Watershed Group, Samson; Giles and Graybeal irrigation ditch companies; Natural Resources Conservation Service; Mesa Verde National Park; San Juan National Forest; Tres Rios BLM Area; Trout Unlimited, and Mountain Studies Institute have helped identify these issues as top concerns to be addressed in the Mancos Watershed.

- b. The number and types of entities represented in the application and the degree to which the activity will promote cooperation and collaboration among traditional consumptive water interests and/or non-consumptive interests, and if applicable, the degree to which the water activity is effective in addressing intrabasin or interbasin needs or issues.

The Mancos River Habitat and Diversion Project – Phase III involves communication and collaboration among ditch companies and irrigators, traditional consumptive water interests, and traditionally non-consumptive

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water interests such as Trout Unlimited, as well as entities that inherently represent multiple water interests, both “consumptive” and “non-consumptive” at the same time including the Mancos Conservation District, the Mancos River Watershed Group, the National Park Service, the Ute Mountain Ute Tribe, or that do not necessarily represent any water interest, such as the Mountain Studies Institute. The specific Project activities that will require collaboration and cooperation include a collaborative assessment of the resilience of the Mancos River to meet multiple uses into the future given a changing climate and implementing a project within a 1.5 mile river reach to improve 3 irrigation diversions.

- c. The water activity helps implement projects and processes identified as helping meet Colorado’s future water needs, and/or addresses the gap areas between available water supply and future need as identified in SWSI or a roundtable’s basin-wide water needs assessment.

The Mancos River Habitat and Diversion Project – Phase III continues implementation of several projects and processes identified in Appendix A of the Southwest Basins Implementation Plan (2015), including the following: Environmental and Recreational Needs (1 and 2-MB); Implementation of the Range-Wide Conservation Agreement and Strategy for Roundtail Chub, Flannelmouth Sucker, and Bluehead Sucker (5-MB); Mancos River Watershed Stakeholders Group (2-M). It will also provide information useful to each of the projects and processes included for the Mancos watershed (1 thru 21-M) (e.g.; Mancos Fishing Habitat Improvements (4-M); Habitat Assessment of the Mancos River (5-M), etc.).

Tier 2: Facilitating Water Activity Implementation

- d. Funding from this Account will reduce the uncertainty that the water activity will be implemented. For this criterion the applicant should discuss how receiving funding from the Account will make a significant difference in the implementation of the water activity (i.e., how will receiving funding enable the water activity to move forward or the inability obtaining funding elsewhere).

Funding from the WSRA account will enable the Mancos Conservation District to purchase the materials and contract the construction, technical facilitation and project management services necessary to complete the Mancos River Habitat and Diversion Project – Phase III.

- e. The amount of matching funds provided by the applicant via direct contributions, demonstrable in-kind contributions, and/or other sources demonstrates a significant & appropriate commitment to the project.

Direct contributions by Mancos Conservation District and Mesa Verde National Park, and in-kind contributions by the Mancos Conservation District, National Park Service, Mountain Studies Institute, Trout Unlimited, Ute Mountain Ute Tribe, Dr. Peter Stacey of New Mexico State University, Wild Utah Project, CO Natural Heritage Program, CO Division of Reclamation Mining and Safety, CO Cooperative Extension, and San Juan National Forest, and three professional volunteers, allow the Mancos River Habitat and Diversion Project – Phase III to complete the project with 21% (\$18,200) of the total project cost in direct cash contributions and 10% (\$8,446) in-kind contributions. This total match represents 45% of our total Basin Account request.

Tier 3: The Water Activity Addresses Other Issues of Statewide Value and Maximizes Benefits

- f. The water activity helps sustain agriculture & open space, or meets environmental or recreational needs.

The water activity not only helps meet environmental needs but also helps sustain agriculture. Assessments including the Mancos River Basin In-Stream Flow Report: Preliminary Evaluation of Flow Restoration

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Options (Beatie and Smith 2011), Mancos Watershed Plan (Mancos Valley Watershed Group 2011), Mancos River Watershed Diversions (Lanci 2009), and the Functional Assessment of the Mancos River Watershed: Mancos Valley and Adjacent Areas (Stacey 2007) have identified improvement of diversions and channel and riparian improvements as a priority strategy for improving the rivers functional condition. Improving diversions will assist in sustaining agriculture by reducing annual diversion maintenance costs by approximately \$1600/year/ditch.

Climate Change in Colorado: A Synthesis to Support Water Resources Management and Adaptation (CWCB, CIRES, and WWA 2008) reported that Colorado has grown warmer by two degrees Fahrenheit in the last three decades and this trend is anticipated to continue. The Phase III Project's collaborative Mancos River Resilience Assessment will enable MCD and stakeholders to anticipate changes in the timing of snowmelt, runoff, and use of water by crops, and consider how to improve resilience in the face of these changes.

- g. The water activity assists in the administration of compact-entitled waters or addresses problems related to compact entitled waters and compact compliance and the degree to which the activity promotes maximum utilization of state waters.

Not applicable.

- h. The water activity assists in the recovery of threatened and endangered wildlife species or Colorado State species of concern.

The Mancos River Habitat and Diversion Project – Phase III will assist in improving fish passage and aquatic habitat along a reach of the Mancos River situated upstream of a reach near the Colorado/New Mexico State line where roundtail chub, a Federal Candidate Species and Colorado State Species of Special Concern, bluehead sucker and flannelmouth sucker were found to be present by US Fish and Wildlife Service sampling in August 1990 (Mancos Valley Watershed Group 2011). Roundtail chub is a Colorado State Species of Special Concern, and together with bluehead sucker and flannelmouth sucker are species addressed by a 6 State Conservation Agreement.

- i. The water activity provides a high level of benefit to Colorado in relationship to the amount of funds requested.
- j. The water activity is complimentary to or assists in the implementation of other CWCB programs.

In 2009, the Southwest Basins Roundtable granted \$24,753 to the Mancos River Diversion Project – Phase I to map diversion structures within the Mancos River Watershed, to evaluate options for restoring flows, and to produce designs for new diversion structures. In 2011, CWCB's Watershed Restoration Program granted \$19,900 to install two of the structures designed under the Phase I project. In 2012, the CWCB granted \$119,000 to the Mancos River Habitat and Diversion Project Phase II to complement the outcomes of these previous grants by implementing the designs developed under Phase I, and by designing and installing three additional diversion structures in a reach that lies immediately downstream of the structures installed under the Watershed Restoration Grant. Phase III proposes to build upon these successful projects by continuing to improve irrigation structures identified as problematic in the Phase I grant, and to maintain the momentum of the

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Mancos Valley Watershed Group and community focus on watershed issues through collaboration in assessing the river's resilience in the face of a changing climate.

Continued: Explanation of how the water activity/project meets all applicable **Evaluation Criteria**.

Please attach additional pages as necessary.

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Part IV. – Required Supporting Material

1. **Water Rights, Availability, and Sustainability** – This information is needed to assess the viability of the water project or activity. Please provide a description of the water supply source to be utilized, or the water body to be affected by, the water activity. This should include a description of applicable water rights, and water rights issues, and the name/location of water bodies affected by the water activity.

The water bodies affected by the water activity are the Mancos River and a small stretch of the East Mancos River. Diversion structures used by three irrigation ditches irrigating a total of 413 acres will be improved. The three ditches and their total decrees are the Samson Ditch (3.33 cfs) irrigating 125 acres, Giles Ditch (6.80 cfs) irrigating 227 acres, and the Graybeal Ditch (2.75 cfs) irrigating 61 acres.

2. Please provide a brief narrative of any related studies or permitting issues.

*The Mancos Conservation District and Mancos Valley Watershed Group have completed of several studies and plans to assess the condition of the Mancos River Watershed and to identify management priorities. These include: the **Mancos River Basin In-Stream Flow Report: Preliminary Evaluation of Flow Restoration Options** (Beatie and Smith 2011), **Mancos Watershed Plan** (Mancos Valley Watershed Group 2011), **Mancos River Watershed Diversions** (Lanci 2009), and the **Functional Assessment of the Mancos River Watershed: Mancos Valley and Adjacent Areas** (Stacey 2007). In additions, the Ute Mountain Ute Tribe and the Colorado Water Quality Control Division have documented water quality conditions in the upper and lower reaches of the watershed.*

*The CO Water Quality Control Commission has identified the East Mancos River as impaired for dissolved copper since 2002 and for dissolved manganese since 2012. In 2012, the CO Water Quality Control Division issued a **Total Maximum Daily Load (TMDL)** for the East Mancos River. The TMDL document allocates levels of dissolved copper and manganese to identify load reductions necessary to meet current standards The TMDL finds that the sources of pollutants in the East Mancos are related to both natural geology and historic mine activity. As the TMDL explains, “the East Mancos River is classified as abandoned mine lands through EPA nomenclature, and a Comprehensive Environmental Response, Compensation and Liability Action (CERCLA ID CO0012947186) and site assessment has been performed to characterize, or assess, the abandoned mine lands in the East Mancos River drainage.”*

*The Ute Mountain Ute Tribe’s **Mancos River Water Quality and Trends Assessment: 2011 – 2012** summarizes water quality sampling conducted at various sites along the Mancos River within the tribal boundary. The sampling “confirmed historic, longstanding (presumably since irrigation and grazing were initiated in the area circa 1880)*

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trends in water quality impairment for selenium, salinity and bacteria persist. Post-fire water quality impacts to the River from the Weber Fire were significant and resulted in the complete elimination of what had been a healthy and recovering (since the last major fires in the watershed in 2002) population of native fish. High organic content and resulting low dissolved oxygen levels, along with the high levels of several metals at toxic concentrations (copper, zinc, manganese, iron, aluminum)."

The Mancos River Basin In-Stream Flow Report: Preliminary Evaluation of Flow Restoration Options (Beatie and Smith 2011) conducted preliminary water rights and hydrologic analyses of the Mancos River, outlined some potential tools for protecting or restoring flows and recommended some next steps. The four recommendations were 1) examine potential for new instream flow appropriations, 2) examine potential for instream flow acquisitions, 3) continue efficiencies projects, and 4) consider other projects (eradication of non-native phreatophytes, stream channel modifications, etc.) as appropriate.

The Mancos Watershed Plan (Mancos Valley Watershed Group 2011) is based on the EPA's nine minimum elements and includes methods to develop an educational/informational component, to finance the work required and monitoring methods to assess the effectiveness of the programs implemented. The plan identified eight priority management measures to be implemented: restore reaches impacted by historical levees; install new structures at 12 priority diversions along with riparian restoration and improvement of hydrogeomorphology; acquire water for in-stream flows; reduce salinity loads; reduce selenium; close, improve and maintain roads on National Forest lands; reduce sediment loads from burn areas; and rehabilitate habitat in Mancos Canyon. One of the three diversions (the Graybeal Ditch) to be treated by the Mancos River Habitat and Diversion Project – Phase III were among the 12 diversions prioritized in Appendix 1 of this plan.

The Mancos River Watershed Diversions (Lanci 2009) report mapped, photographed and described diversion structures throughout the watershed. All three of the diversions to be addressed in this project were mapped and described in this report.

The Functional Assessment of the Mancos River Watershed: Mancos Valley and Adjacent Areas (Stacey 2007) conducted field assessments of 17 reaches throughout the Mancos Watershed. At each reach, 38 parameters were rated using the Rapid Stream Riparian Assessment Protocol to characterize the reach's Water Quality, Hydrogeomorphology, Fish/Aquatic Habitat, Riparian Vegetation, and Terrestrial Wildlife Habitat. These ratings were then combined to provide an overall score of the functional condition of that reach. One of the reaches assessed in 2007, the Reddert Ranch Reach, falls within the reach where Phase III project proposes to install three improved diversions. The overall score for this reach in 2007 was 3.8 out of a maximum possible overall score of 5. The reach was resurveyed on June 9, 2012 as part of the Phase II project, with an overall score of 3.5.

The Climate Change in Colorado: A Synthesis to Support Water Resources Management and Adaptation Report (Lukas et al, 2014) provides a synthesis of climate science for all of Colorado. Mountain Studies Institute prepared the **Climate Change Assessment for the San Juan Mountains, Southwest Colorado** (Nydick et al. 2012) integrating climate research specifically targeting the San Juan Mountains and their watersheds. Mean annual temperatures in Southwestern Colorado have risen almost 2°C in only three decades (Rangwala and Miller 2010), a rate of warming greater than the western U.S., or any other region of the U.S. except Alaska (Ray et al. 2008). The timing of snowmelt has shifted two weeks earlier in Western Colorado and this earlier seasonal release of water resources is of particular concern to all western states (Clow 2010). Fire and disturbance regimes are considered to be outside of the historic range of variability in some forest types (Romme et al 2009). Current challenges for the region include changes in forests due to pests and diseases, drought challenges for agriculture,

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intensive recreation use, fire management for natural and prescribed fires, and increasing development in the wildland-urban interface. Communities are vulnerable to changes from a warmer and dryer climate that would affect frequency and intensity of wildfires, shift vegetation and range of forest types, and increase pressures on water supplies.

3. Statement of Work, Detailed Budget, and Project Schedule

The statement of work will form the basis for the contract between the Applicant and the State of Colorado. In short, the Applicant is agreeing to undertake the work for the compensation outlined in the statement of work and budget, and in return, the State of Colorado is receiving the deliverables/products specified. **Please note that costs incurred prior to execution of a contract or purchase order are not subject to reimbursement.** All WSRA funds are disbursed on a reimbursement basis after review invoices and appropriate backup material.

Please provide a detailed statement of work using the template in Exhibit A. Additional sections or modifications may be included as necessary. Please define all acronyms and include page numbers.

REPORTING AND FINAL DELIVERABLE

Reporting: The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of the executed contract. The progress report shall describe 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 taken to address these issues.

Final Deliverable: At completion of the project, the applicant shall provide the CWCB a final report that summarizes the project and documents how the project was completed. This report may contain photographs, summaries of meetings and engineering reports/designs.

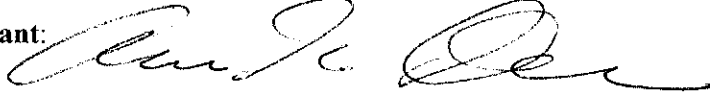
PAYMENT

Payment will be made based on actual expenditures and invoicing by the applicant. Invoices from any other entity (i.e. subcontractors) cannot be processed by the State. The request for payment must include a description of the work accomplished by major task, and estimate of the percent completion for individual tasks and the entire water activity in relation to the percentage of budget spent, identification of any major issues and proposed or implemented corrective actions. The last 10 percent of the entire water activity budget will be withheld until final project/water activity documentation is completed. All products, data and information developed as a result of this grant must be provided to the CWCB in hard copy and electronic format as part of the project documentation. This information will in turn be made widely available to Basin Roundtables and the general public and help promote the development of a common technical platform.

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The above statements are true to the best of my knowledge:

Signature of Applicant:



Print Applicant's Name: Ann Oliver, Grant Writer for Mancos Conservation District

Project Title: Mancos River Habitat and Diversion Project Phase III

Date: January 4, 2016

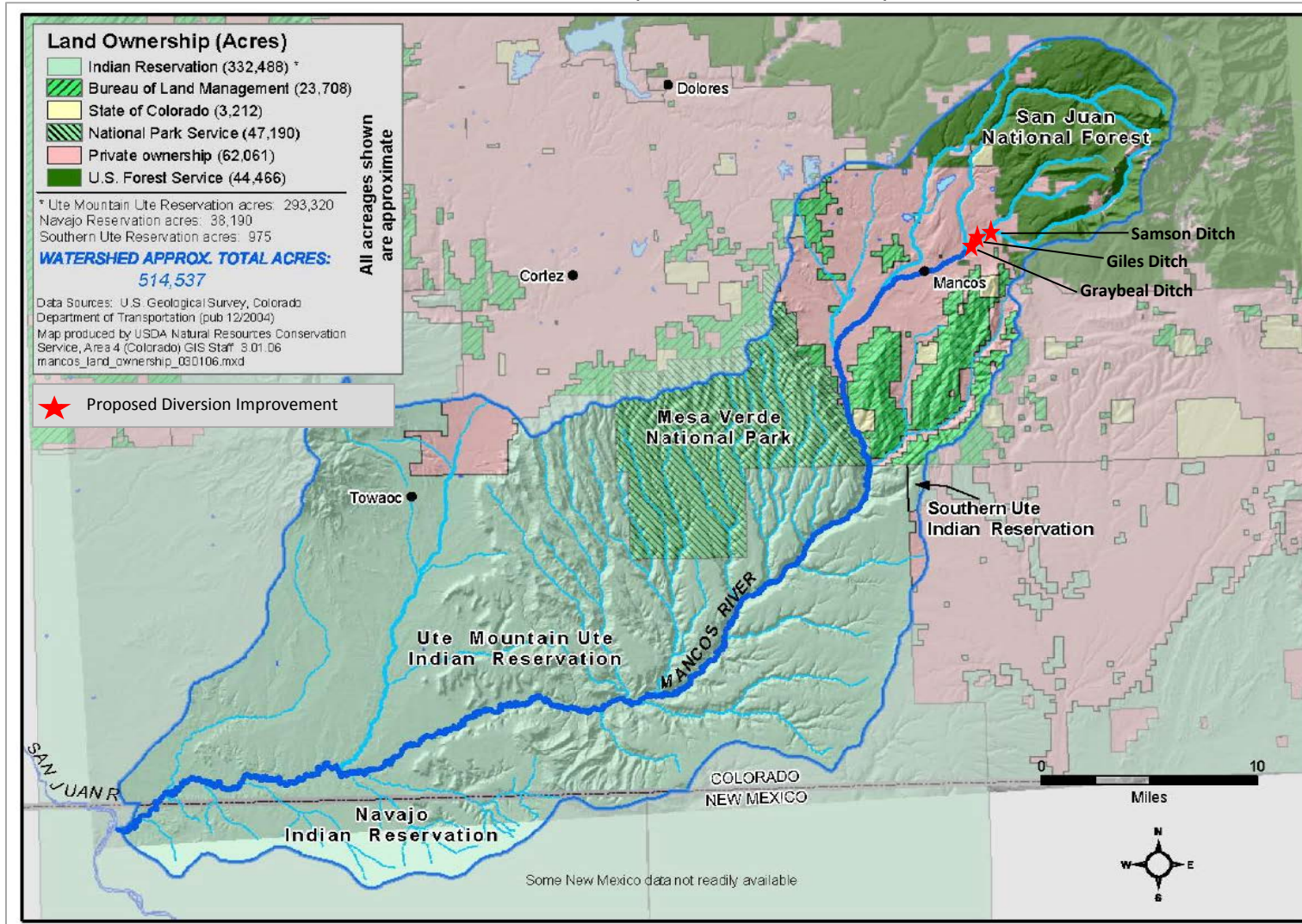
Return an electronic version (hardcopy may also be submitted) of this application to:

Craig Godbout – WSRA Application
Colorado Water Conservation Board
1313 Sherman St., Room 721
Denver, CO 80203
303-866-3441, ext. 3210 (office)
303-547-8061 (cell)
craig.godbout@state.co.us

Exhibit B

Mancos Habitat and Diversion Improvement Project Phase III Map

Mancos Watershed and Proposed Diversion Improvements



Photos of Existing Irrigation Diversion Structures

Samson Diversion



Giles Diversion



Graybeal Diversion



Exhibit A
Statement of Work
Date: January 4, 2015

WATER ACTIVITY NAME – Mancos River Habitat and Diversion Project Phase III

GRANT RECIPIENT – Mancos Conservation District

FUNDING SOURCE – Water Supply Reserve Account Basin Fund (proposed)

INTRODUCTION AND BACKGROUND

Provide a brief description of the project. (Please limit to **no more than 200 words**; this will be used to inform reviewers and the public about your proposal)

The Mancos River Habitat and Diversion Project – Phase III is a multipurpose project building on and integrating the products of Phases I and II. Phase III will continue to implement the findings developed in the Mancos River Diversion Project- Phase I to improve the ecological and agricultural function of an additional 1.5-mile reach of the lower East Mancos River. In addition, Phase III will integrate existing data into an assessment of the resiliency of the Mancos River to support multiple values and uses, in light of a changing climate.

This multi-purpose project will complete two simultaneous efforts. One effort will physically improve the agricultural and ecological function of a 2-mile reach of the East Mancos River, by installing improved diversion structures at 3 irrigation ditch headings. The improved structures will save irrigators annual maintenance costs, while also allowing fish and sediment passage at higher flows, and promoting channel stability. The other effort will convene a collaborative process to integrate existing data into an assessment of the resiliency of the Mancos River in light of a changing climate. This stakeholder assessment will be useful to land owners and managers interested in where/how to invest resources to maintain/improve the value of the Mancos River for multiple uses into the future.

Many partners have already collaborated with and supported the Mancos Conservation District to lay the foundations for accomplishing these objectives. Among them are the Southwestern Water Conservation District, Mountain Studies Institute, Mesa Verde National Park, Trout Unlimited, the Ute Mountain Ute Tribe, the San Juan National Forest, the Samson, Giles and Graybeal Ditches, MCD board members and staff, private landowners along the Mancos River (see Exhibit C for letters of support), and local volunteers. Objective 1 will implement designs produced with support from the Southwestern Water Conservation District under the Mancos Diversion Project grant to the Mancos Conservation District. Work on Objective 2 has already begun with a series of five Mancos River Restoration meetings facilitated by Mountain Studies Institute staff with Mancos Valley Watershed Group stakeholders between April and October 2015.

OBJECTIVES

List the objectives of the project

The objectives of the Mancos River Habitat and Diversion Project – Phase III are:

- 1) To further the efforts begun in the Mancos River Habitat and Diversion Project – Phases I and II to decrease the time and costs incurred in diverting irrigation water at 3 irrigation diversions, while also*

improving channel function and fish passage on the reach of East Mancos River stretching from the West Fork upstream to just above the Middle Fork.

- 2) *To complete the effort begun by the Mancos Conservation District, Mountain Studies Institute and the Mancos River Watershed Group in 2015 to integrate existing data into an assessment of the resilience of the Mancos River to continue to meet multiple uses and values in the face of changing climate conditions.*

TASKS

Provide a detailed description of each task using the following format

TASK 1 – Complete Mancos River Resiliency Assessment

Develop a Mancos River Resilience Report publication for stakeholder and public use. The Assessment, in a report card format, will outline current conditions and existing data on the Mancos River and identify areas of needed data and information. The purpose of this collaborative Mancos River Resilience Assessment is two-fold: 1) to compile the wealth of Mancos River data that currently exists within various entities and forms into one usable reference, and 2) assess the overall functional condition of the Mancos River through the lens of climate resiliency to inform future restoration strategies in light of a changing climate. The Assessment will be helpful in addressing private and public land managers concerns regarding where and how effort and resources can be invested in order to maintain or improve the resilience and value of the Mancos River for multiple uses (environmental, agricultural, municipal, industrial) into the future.

Method/Procedure

- *Host a full-day science workshop to*
 - *Complete follow-up of the October 1 data sharing meeting*
 - *Agree on Mancos River Resilience metrics*
- *Develop a Mancos River Resilience Report*
 - *complete an assessment of the current conditions based on existing data*
 - *develop a list of further information needed to assess resilience metrics*
 - *design, edit and publish a “Mancos River Resilience Report”*
- *Host a 2-hour stakeholder meeting in Mancos to share draft Mancos River Resilience Report to the public and invite feedback (1 hour presentation, with discussion)*

Deliverables

One science workshop with notes summarizing results shared online; Mancos River Resilience Report publication (official title TBD) shared online, and 1 public community meeting hosted by Mancos River Watershed Group and Mancos Conservation District.

TASK 2 – Design Diversion Improvements.

Design improved diversion structures for the Graybeal, Giles and Samson Ditches.

Method/Procedure

- *Southwester Water Conservation District funded the Mancos Conservation District Mancos Diversion Project grant request in 2015.*
- *Mancos Conservation District contracted Russell Klatt in September 2015 to produce construction ready designs in AutoCad for the Graybeal, Giles and Samson Ditches.*
- *Mancos Conservation District received and payed for the final designs in November 2015.*

Deliverables

Construction-ready design drawings for new diversion structures at the Graybeal, Giles and Samson Ditches.

TASK 3 – Install Diversion Improvements.

Installation of 3 diversion structures as designed in Task 2.

Method/Procedure

1. *Purchase construction materials.*
2. *Hire local trucking company to transport materials from source to project site.*
3. *Provide construction staking and construction oversight*
4. *Hire large track excavator to install structures.*
5. *Site clean-up (smooth grade disturbed areas and excavated materials).*

Deliverable

Three irrigation diversion structures installed at the Graybeal, Giles and Samson Ditches on the East Mancos River.

TASK 4 – Administer, coordinate, manage and report on the project.

Coordinate completion of tasks 1-4 by various partners, funders and Mancos Conservation District, as well as writing and circulating progress reports and final project report. Provide fiscal administration of the grant.

Method/Procedure

Arrange meetings, liaison with funding agencies, track and document project progress, track match and invoices, prepare reimbursement requests, administer grant, write and circulate progress reports to funding agencies and MCD Board, liaison with watershed partners and stakeholders, contractors, ditch companies.

Deliverable

Coordination of Tasks 1-4, progress reports every 6 months, and a final report documenting the methods, costs and outcomes of the project, including pre- and post-project photographs, and deliverables for each task.

REPORTING AND FINAL DELIVERABLE

Reporting: The applicant shall provide the CWCB a progress report every 6 months, beginning from the date of the executed contract. The progress report shall describe 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 taken to address these issues.

Final Deliverable: At completion of the project, the applicant shall provide the CWCB a final report that summarizes the project and documents how the project was completed. This report may contain photographs, summaries of meetings and engineering reports/designs.

BUDGET

Provide a detailed budget by task including number of hours and rates for labor and unit costs for other direct costs (i.e. mileage, \$/unit of material for construction, etc.). A detailed and perfectly balanced budget that shows all costs is required for the State's contracting and purchase order processes. Sample budget tables are provided below. Please note that these budget tables are examples and will need to be adapted to fit each individual application. Tasks should correspond to the tasks described above.

| | | CWCB Funds | | Other Funding Cash | | Other Funding In-Kind^ | | | |
|------|---|---------------------|-------------------------|---------------------|---------------------|------------------------|--------------------|------------------|-------------------------------|
| Task | Description | Labor* | Materials and Equipment | MCD | NPS | MCD | MSI | NPS | Other Entities and Volunteers |
| 1 | Complete Mancos River Resilience Assessment | \$ 10,430.00 | \$ - | \$ - | \$ 2,500.00 | \$ 848.00 | \$ 2,148.00 | \$ 877.00 | \$ 3,935.00 |
| 2 | Design diversion structures. | \$ - | \$ - | \$ 2,800.00 | \$ - | \$ 500.00 | \$ - | \$ - | \$ 138.42 |
| 3 | Install diversion structures. | \$ 25,760.00 | \$ 14,910.00 | \$ 12,200.00 | \$ - | | \$ - | \$ - | \$ - |
| 4 | Administer, coordinate, manage and report on the project. | \$ 7,900.00 | \$ - | \$ 700.00 | \$ - | \$ - | \$ - | \$ - | \$ - |
| | TOTALS | \$ 44,090.00 | \$ 14,910.00 | \$ 15,700.00 | \$ 2,500.00 | \$ 1,348.00 | \$ 2,148.00 | \$ 877.00 | \$ 4,073.42 |
| | TOTAL MATCH | | | | \$ 18,200.00 | | | | \$ 8,446.42 |
| | TOTAL REQUEST | | \$ 59,000.00 | | | | | | |

| *Labor Costs | | | | | | | |
|--------------|---|--------------------|--------------------|--------------------|----------------------|---|---------------------|
| | | Project Personnel: | Project Manager | MCD Fiscal Admin. | Project Installation | Science Facilitation and Document Preparation | |
| Task | Description | Rate: | 70/hr | 5% | By job | 45-55/hr | Total |
| 1 | Complete Mancos Watershed Resilience Assessment | | \$ - | \$ - | \$ - | \$ 10,430.00 | \$ 10,430.00 |
| 2 | Design diversion structures. | | \$ - | \$ - | \$ - | \$ - | \$ - |
| 3 | Install diversion structures. | | \$ - | \$ - | \$ 25,760.00 | \$ - | \$ 25,760.00 |
| 4 | Administer, coordinate, manage and report on the project. | | \$ 4,950.00 | \$ 2,950.00 | \$ - | \$ - | \$ 7,900.00 |
| | TOTALS | | \$ 4,950.00 | \$ 2,950.00 | \$ 25,760.00 | \$ 10,430.00 | \$ 44,090.00 |

BUDGET (continued)

| In-Kind Contributions | | | | | | | | | | | | | | | | | |
|-----------------------|-------------------|-------------------|-------------|-------------------|------------------------|-------------------------|----------|-------------------|-------------------|-------------------|----------|--------------------|----------------------------------|-------------------|----------|-----------|-------------------------|
| Task | Project Personnel | MCD Board Members | MCD Manager | Total MCD In-Kind | Landowner Field Visits | MSI Staff and Resources | NPS | Peter Stacey, UNM | Wild Utah Project | TU Staff and Vols | USFS | Colorado Extension | Professional Pro-bono Volunteers | Ute Mtn Ute Staff | CNHP | DRMS | Total In-Kind (minimum) |
| | Rate: | \$ 25.00 | \$ 20.00 | | \$ 23.07 | . | \$ 23.07 | 800/day | \$ 23.07 | \$ 23.07 | \$ 23.07 | \$ 23.07 | Varied | \$ 23.07 | \$ 23.07 | \$ 23.07 | |
| 1 | | \$ 688.00 | \$ 160.00 | \$ 848.00 | \$ - | \$2,148.00 | \$877.00 | \$ 400.00 | \$ 185.00 | \$ 81.00 | \$ 46.00 | \$ 46.00 | \$ 2,576.00 | \$ 358.00 | \$ 58.00 | \$ 185.00 | \$ 7,808.00 |
| 2 | | \$ 500.00 | \$ - | \$ 500.00 | \$ 138.42 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 638.42 |
| 3 | | \$ - | \$ - | \$ - | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| 4 | | \$ - | \$ - | \$ - | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| | | \$1,188.00 | \$ 160.00 | \$1,348.00 | \$ 138.42 | \$2,148.00 | \$877.00 | \$ 400.00 | \$ 185.00 | \$ 81.00 | \$ 46.00 | \$ 46.00 | \$ 2,576.00 | \$ 358.00 | \$ 58.00 | \$ 185.00 | \$ 8,446.42 |

~ This row reflects in-kind contributions of professional time. Where the pay rate of a professional is not known, their time is valued at the Independent Sector Estimated Value of Volunteer Time (\$23.07/hr). Time and mileage contributed to attend meetings are not included.

SCHEDULE

Provide a project schedule including key milestones for each task and the completion dates or time period from the Notice to Proceed (NTP). This dating method allows flexibility in the event of potential delays from the procurement process. Sample schedules are provided below. Please note that these schedules are examples and will need to be adapted to fit each individual application.

| Schedule | | | |
|----------|--|-------------------|-------------------|
| Task | Description | Target Start Date | Target Completion |
| 1 | Complete Mancos Watershed Resilience Assessment | NTP | 6/30/2017 |
| 2 | Design diversion structures. | . | 11/30/2015 |
| 3 | Install diversion structures. | NTP | 12/31/2016 |
| 4 | Administer, Coordinate, manage and report on the project | NTP | 6/30/2017 |
| | TOTALS | | |