SOUTHWEST BASINS ROUNDTABLE Michael Preston, Chair c/o Dolores Water Conservancy District P.O. Box 1150 Cortez, Colorado 81321 970-565-7562

EMAILED: April 16, 2012

Mr. Todd Doherty Program Manager, Water Supply Management Section Colorado Water Conservation Board 1580 Logan Street, Suite 600 Denver, Colorado 80203

SUBJECT: Mancos River Habitat and Diversion Project – Phase II

\$20,000 from Basin Account, and \$99,340 from Statewide Account

Dear Mr. Doherty:

The Southwest Basin Roundtable is pleased to recommend funding of \$20,000 from the Southwest Basin Account and \$99,340 from the Statewide Account for the Mancos River Habitat and Diversion Project – Phase II. Since the application involves the Statewide Account, the applicant is comfortable with consideration of the application in its entirety at the July CWCB Board meeting.

The application was considered in detail and approved at the April 11, 2012 meeting of the Southwest Basin Roundtable. There was a quorum of Roundtable members present. The Project is a Non-Consumptive IPP in the Southwest Basin SWSI 2010. Since the environmental improvements involve agricultural diversions, it will also benefit irrigators who depend on these diversions, and overall irrigation efficiencies on the Mancos River.

The completed Grant Application will be forwarded directly to you by the applicant. Please contact the applicants directly or me at 970-565-7562, <a href="majoratricolor: mpreston@frontier.net">mpreston@frontier.net</a>, if you have questions or wish to discuss these applications in more detail.

Sincerery,

Michael Preston

Southwest Basin Roundtable Chair



## COLORADO WATER CONSERVATION BOARD

# WATER SUPPLY RESERVE ACCOUNT APPLICATION FORM



Mancos River Habitat and Diversion Project - Phase II

## Name of Water Activity/Project

Mancos Conservation District

## Name of Applicant

Southwest Basins Roundtable

**Amount from Statewide Account:** 

99,340

**Amount from Basin Account(s):** 

20,000

#### **Approving Basin Roundtable(s)**

(If multiple basins specify amounts in parentheses.)

**Total WSRA Funds Requested:** 

119,340

## **Application Content**

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## **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)

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## **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: <a href="http://cwcb.state.co.us">http://cwcb.state.co.us</a> 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: <a href="http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Documents/WSRACriteriaGuidelines.pdf">http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Documents/WSRACriteriaGuidelines.pdf</a>

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:

Greg Johnson – WSRA Application Colorado Water Conservation Board 1580 Logan Street, Suite 200 Denver, CO 80203 gregory.johnson@state.co.us

If you have questions or need additional assistance, please contact Greg Johnson at: 303-866-3441 x3249 or gregory.johnson@state.co.us.

# Water Supply Reserve Account – Application Form Revised December 2011

Part I Description of the Applicant	(Project Sponsor or	Owner);
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1.	Applicant Name(s):	Mancos Conservation District										
	Mailing address:		P O Box 308 Mancos, CO 81328									
	Taxpayer ID#:	84-06	514777									
	<b>Primary Contact</b> :	Lea	Cody	Position/Title:	Manager							
	Email:	Leac	ody.mancoscd@gmai	1.com								
	Phone Numbers:	Cell:	970-739-6797	Office:	970-533-1152							
	Alternate Contact:	Ann	Oliver	Position/Title:	Grant Writer							
	Email:	anns	oliver@gmail.com									
	Phone Numbers:	Cell:	970-903-9361	Office:	970-903-9361							
2. E	Public (Government) — agencies are encourage Federal agencies are el the grant recipient.  Public (Districts) — auti and water activity enter Private Incorporated — Private individuals, par	municip d to work igible, but norities, ' prises. mutual d	Title 32/special districts, (contict companies, homeowners), and sole proprietors are eli	and State of Colo ocal entity should mpelling case for v nservancy, conservancy, co	rado agencies. Federal be the grant recipient. why a local partner cannot be vation, and irrigation districts),							
	not for funding from th  Non-governmental orga		ide Account. s – broadly defined as any or	rganization that is	not part of the government							
	1	~~~~~~	s sisually defined as any of		not part of the go terminent.							

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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 Tuesday 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.

There are no relevant TABOR issues that affect the applicant.

## Part II. - Description of the Water Activity/Project

1. What is the	ne primary purpose of this grant application? (Please check only one)
X	Nonconsumptive (Environmental or Recreational)
	Agricultural
	Municipal/Industrial
	Needs Assessment
	Education
	Other Explain:
2. If you fee	l this project addresses multiple purposes please explain.
function and for four ditc only cost irr improved di sediment pa	diversions along a 2.4 mile reach of the Mancos River. An integral part of this project to improve the condition of a reach of the Mancos River will be the installation of improved diversion structures the headings. These new diversion structures will greatly reduce yearly maintainance activities that not igators time and money, but also cause regular disturbance and promote channel instability. The version structures will save irrigators annual maintainance costs, while also allowing for fish and ssage, and promoting channel stability.  Diject primarily a study or implementation of a water activity/project? (Please check only one)
	Study X Implementation
4. To catalo	g measurable results achieved with WSRA funds can you provide any of the following numbers?
0	New Storage Created (acre-feet)
0	New Annual Water Supplies Developed, Consumptive or Nonconsumptive (acre-feet)
0	Existing Storage Preserved or Enhanced (acre-feet)
2.4	Length of Stream Restored or Protected (linear feet)
0	Length of Pipe/Canal Built or Improved (linear feet)
~\$1600 per ditch	Efficiency Savings (acre-feet/year OR dollars/year – circle one)
~5.6	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: 4134791 N Longitude: 12S 0737005 E

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 II is a comprehensive project to refresh the Mancos Valley Watershed Group's watershed stewardship goals, to continue collaborative river condition monitoring begun in 2006, and to implement the findings and plans developed in the Mancos River Diversion Project- Phase I to improve the ecological and agricultural function of a 2.4 mile reach of the Mancos River.

The objectives of the Mancos River Habitat and Diversion Project – Phase II are to

- reassess the condition of the Mancos River at 17 different sites and to host a training in the Rapid Stream Riparian Assessment methodology;
- to maintain the momentum of the Mancos Valley Watershed Group by convening the group to review
  progress and identify the next set of priorities for action to steward the health and productivity of the
  Mancos River;
- to implement the findings, recommendations and plans developed through the Mancos River Diversion Project - Phase I, and by the 2007 Functional Assessment of the Mancos River Watershed (Stacey 2007) through design and installation of improvements to four irrigation diversions, together with measures to improve channel function and habitat condition along the 2.4 mile South Town to Exon reach of the Mancos River.

Many partners will collaborate to make this project a success, including the Mancos Conservation District, Natural Resources Conservation Service, Trout Unlimited, Dr. Peter Stacey at the University of New Mexico, the Wild Utah Project, irrigation ditch companies, private landowners along the Mancos River, and local volunteers. WSRA funds will specifically be used to fund the contracting of project management services, and the materials and contracted services necessary to install the river channel restoration measures and the diversion improvements.

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#### Part III. - Threshold and Evaluation Criteria

- 1. <u>Describe how</u> 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.<sup>1</sup>

A portion of this project will monitor river condition to produce additional data characterizing the functional condition of the Mancos River and its tributaries at 17 different sites; no water rights will be involved. The project will also design and install more efficient and more easily measurable irrigation diversion structures. We have worked with our water commissioner to learn what the needs for more accurate measurement at diversion sites are, such that we can incorporate those into the design and construction of the new structures. It is our vision that existing water rights will be enhanced by this project with 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 BRTs 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 SW Basins Roundtable on April 11, 2012.

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<sup>&</sup>lt;sup>1</sup> 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.<sup>2</sup> 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 II continues implementation of several projects and processes identified in the Southwest Basins Non-Consumptive IPP list (SWSI 2010), including the efforts of the Mancos Valley Watershed Group, the Mancos River Instream Flow Study, the Mancos Watershed Plan, and the Mancos River Diversion Project. The project addresses non-consumptive needs including protection of Colorado Outstanding Waters (Mancos River through Mesa Verde National Park, conservation of aquatic dependant state threatened, endangered and special concern species, 303d listed segments, and four CWCB in-stream flow rights.

The project will monitor aquatic and riparian condition and foster collaboration throughout the watershed, including the East Fork of the Mancos, many segments of which are on the Colorado Department of Public Health and Environment Water Quality Control Division 303(D) List, and improve fish passage and aquatic habitat along a reach of the Mancos River situated several miles upstream of a reach near the Colorado/New Mexico State line where roundtail chub, bluehead sucker and flannelmouth sucker were found to be present in August 1990 US Fish and Wildlife Service sampling (Mancos Valley Watershed Group 2011). Bluehead sucker have also been sampled upstream in the reach through the town of Mancos in 2009 by Colorado Parks and Wildlife, and upstream in Chicken Creek on US Forest Service lands. Roundtail chub is a Federal Candidate Species and Colorado State Species of Special Concern, while bluehead sucker and flannelmouth sucker are both 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). In addition, the South Town to Exon Reach is in an area known to support bald eagle nesting.

d) Matching Requirement: For requests from the **Statewide Fund**, the applicants is required to demonstrate a **20 percent** (or greater) match of the request from the Statewide Account. Statewide requests must also include a minimum match of **5 percent** of the total grant amount from Basin Funds. 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 application was submitted to the CWCB. 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)

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<sup>&</sup>lt;sup>2</sup> 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.

The following sources are supplying a total match of \$24,803:

	<u>Cash</u>	<u>In-Kind</u>
Mancos Conservation District	\$1160	\$7501
NRCS	-	\$6621
Trout Unlimited	\$5000	\$1000
Dr. Peter Stacey, University of New Mexico	-	\$1000
Watershed Volunteers	-	\$2520

2. For Applications that include a request for funds from the **Statewide Account**, <u>describe how</u> 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.** 

<u>Evaluation Criteria</u> – 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. 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.

## <u>Tier 1: Promoting Collaboration/Cooperation and Meeting Water Management Goals and Identified Water Needs</u>

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 II addresses non-consumptive needs including fish passage, channel bed and channel bank stability, shading, channel width to depth ratios, and aquatic habitat diversity, together with consumptive needs including efficient and measureable diversion of irrigation water rights. 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). The Mancos Conservation District, Mancos Valley Watershed Group, NRCS, irrigation ditch companies, Colorado Division of Water Resources, Trout Unlimited, have all identified 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-

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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 II involves communication and collaboration among ditch companies and irrigators, traditional consumptive water interests, and traditionally nonconsumptive water interests such as Trout Unlimited and the Wild Utah Project. The specific Project activities that will require collaboration and cooperation include a training in Rapid Stream Riparian Assessment to involve water managers, land owners, and agency participants in assessing the nonconsumptive condition of the Mancos River, convening the Mancos Valley Watershed Group to refresh priorities, and implementing a project along 2.4 miles of the Mancos River to improve irrigation diversions, river channel stability and habitat condition.

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.

This activity will continue implementation of measures to improve structural integrity for appropriated waters.

## 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 River Habitat and Diversion Project – Phase II to purchase the materials and contract the construction and project management services necessary to complete the project.

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.

Commitment of direct contributions and demonstrable in-kind contributions by the Mancos Conservation District, NRCS, Trout Unlimited, Dr. Peter Stacey and watershed volunteers, allow the Mancos River Habitat and Diversion Project — Phase II to complete 17% (\$24,803) of the total project cost with match: 4% (\$6,160) in direct cash contributions and 13% (\$18,643) in-kind contributions. This match represents 25% of our Statewide Account request. With this application we are also proposing to increase this match through a grant of \$20,000 from the Southwest Basins Roundtable WSRA Basin Account. Should this request to the Basin Account be approved, our total match would be \$44,803 or 45% of the Statewide 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 Options (Beatie and Smith 2011), Mancos Watershed Plan (Mancos Valley Watershed Group 2011), Mancos

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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 maintainance costs by approximately \$1600/year.

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 II will assist in improving fish passage and aquatic habitat along a reach of the Mancos River situated several miles 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 Federal Candidate Species and Colorado State Species of Special Concern, while bluehead sucker and flannelmouth sucker are both 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. The Mancos River Habitat and Diversion Project will compliment the outcomes of these previous grants by implementing the final design developed under Phase I, and by completing the design and installation of three additional diversion structures in a reach that lies immediately downstream of one of the structures, and includes the second structure, installed by the Watershed Restoration Grant.

Continued: Explanation of how the water activity/project meets all applicable **Evaluation Criteria**. **Please attach additional pages as necessary.** 

## 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 body affected by the water activity is the Mancos River and a small reach of Chicken Creek. Diversion structures used by four irrigation ditches will be improved. The four ditches and their total decrees are the Veits (11.75 cfs), Sheek (8.89 cfs), Bolen (12.59 cfs) and Exon (1.84 cfs).

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

The Mancos Conservation District and partners have supported the completion of several different 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).

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; installing 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. Two of the four diversions (the Sheek and the Veits) to be treated by the Mancos River Habitat and Diversion Project – Phase II 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 four 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 through-out the Mancos Watershed. At each reach, 38 parameters were rated using the Rapid Stream Riparian Assessment Protocol to characterize the reach's Water Quality,

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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. Two of the reaches assessed in 2007 fall within the South Town to Exon Reach where this project proposes to install diversion and habitat improvements. The overall scores for these two reaches in 2007 were 3.3 and 2.9, compared to a maximum possible overall score of 5.

### 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 5 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: Lea Cody, District Manager - for the Mancos Conservation District

Project Title: Mancos River Habitat and Diversion Project Phase II

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

Greg Johnson – WSRA Application Colorado Water Conservation Board 1580 Logan Street, Suite 200 Denver, CO 80203 gregory.johnson@state.co.us

# Water Supply Reserve Account – Application Form Revised December 2011

# Exhibit A <u>Statement of Work</u>

#### WATER ACTIVITY NAME - Mancos River Habitat and Diversion Project – Phase II

#### **GRANT RECIPIENT – Mancos Conservation District**

#### **FUNDING SOURCE – WSRA Basin and Statewide**

#### 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 II is a comprehensive project to refresh the Mancos Valley Watershed Group's watershed stewardship goals, to continue collaborative river condition monitoring begun in 2006, and to implement the findings and plans developed in the Mancos River Diversion Project- Phase I to improve the ecological and agricultural function of a 2.4 mile reach of the Mancos River.

The Mancos River Habitat and Diversion Project – Phase II will reassess the condition of the Mancos River at 17 different sites and to host a training in the Rapid Stream Riparian Assessment methodology. It will help to maintain the momentum of the Mancos Valley Watershed Group by convening the group to review progress and identify the next set of priorities for action to steward the health and productivity of the Mancos River. Finally it will implement the findings, recommendations and plans developed through the Mancos River Diversion Project - Phase I, and by the 2007 Functional Assessment of the Mancos River Watershed (Stacey 2007) through design and installation of improvements to four irrigation diversions, together with measures to improve channel function and habitat condition along the 2.4 mile South Town to Exon reach of the Mancos River.

This project 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 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 maintainance costs by an estimated \$1600/year.

Many partners will collaborate to make this project a success, including the Mancos Conservation District, Natural Resources Conservation Service, Trout Unlimited, Dr. Peter Stacey at the University of New Mexico, the Wild Utah Project, irrigation ditch companies, private landowners along the Mancos River, and local volunteers. WSRA funds will specifically be used to fund the contracting of project management services, and the materials and contracted services necessary to install the river channel restoration measures and the diversion improvements.

#### **OBJECTIVES**

List the objectives of the project

- 1) To reassess the condition of the Mancos River after 5 years and several projects, and to provide a baseline for new river improvement efforts. This reassessment will also provide a baseline for the stream improvement efforts proposed South Town to Exon Diversion Reach. Also serves to improve the assessment protocol and support the efforts of the Mancos Watershed Group to....
- 2) To maintain and refresh the momentum of the Mancos Watershed Group by convening the group to review progress and identify the next set of priorities for action to steward the health and productivity of the Mancos River Watershed.
- 2) To further the efforts begun in the *Mancos River Diversion Project Phase I* project to improve channel function and aquatic habitat condition on the Mancos River for on the South Town to Exon Diversion reach of the Mancos River.
- 3) To decrease time and costs incurred in diverting irrigation water at 5 diversions within the South Town to Exon Diversion reach of the Mancos River.

#### **TASKS**

Provide a detailed description of each task using the following format

## TASK 1 – Rapid Stream-Riparian Assessment training, watershed monitoring and project baseline.

## Description of Task

Host a local training workshop in the Rapid Stream-Riparian Assessment (RSRA) methodology to equip local staff and volunteers to complete a reassessment of the functional condition of the Mancos River Watershed, and to establish a new baseline ahead of proposed river restoration activities. The result will be an assessment of change by reach over the past 5 years, at up to 17 reaches, as well as establishment of a new baseline for condition of reaches throughout the watershed. The South Town to Exon Diversion reach proposed to be restored in this project includes two of the reaches assessed in 2006. Reassessment of these two reaches will provide a baseline by which to gauge the ecological success of this South Town to Exon Diversion project.

#### Method/Procedure

- Complete workshop to train 15 people, including MCD staff and some board members, in the RSRA protocol for assessing the functional condition and ecological health of small and medium sized rivers in the Southwest. Participants in this workshop will reassess two of 17 reaches assessed in 2006.
- Following the workshop, the Project Coordinator and watershed partners will seek permission to access the remaining 15 reaches for reassessment.
- Project Coordinator, MCD, Mancos River Watershed partners, and volunteers reassess reaches where permission is granted.

#### Deliverable

RSRA Training Workshop, results of workshop reach reassessments for 2 reaches, and results of subsequent reassessment of up to 15 remaining reaches.

## TASK 2 - Convene Mancos River Watershed Group.

## **Description of Task**

Convene the Mancos River Watershed Group though an open invitation to participate in a meeting to learn about progress to date and to review and renew priorities for action.

#### Method/Procedure

- Project Manager will identify key partners, work with them to determine an agreeable place and date for the Watershed Group meeting and develop an agenda.
- Project Manager will work with key partners to line up speakers and advertise the meeting to the Mancos Valley community and other interested communities.

#### Deliverable

Meeting notes, presentations and agenda posted on MCD website with links to partners websites.

## TASK 3 - Complete baseline geomorphic survey of South Town to Exon Diversion reach.

## Description of Task

Survey channel dimensions and profile through entire 2.4 mile reach from Mancos Town Sewage Treatment Plant downstream to County Exon Diversion.

### Method/Procedure

- Riverside landowners throughout the South Town to Exon Diversion Reach will be contacted to request permission to conduct a survey of the river channel through their properties.
- Where landowners have granted permission, MCD technicians will use GPS and Total Station surveying equipment to measure channel cross sections and channel profile in the reach.
- Channel measurements will be tied into diversion box and headgate elevations.
- Permanent photographic monitoring points will be established to supplement already established points, and baseline (or repeat) photographs will be taken.
- Volunteers may also assist in surveying the reach.
- Surveying data will be entered into AutoCad to plan view and cross-sectional maps, as well as software to assess and model hydrologic behavior.

#### Deliverable

Baseline survey of stream morphology and pre-project photography of the 2.4 mile South Town to Exon Diversion reach.

## TASK 4 – Develop reach restoration design, including 4 diversion structures in conjunction with channel and riparian restoration measures.

#### **Description of Task**

Design integrated channel and diversion functional restoration measures.

#### Method/Procedure

- Using the geomorphic survey, diversion elevations and hydrologic analysis from Task 3, MCD Technician will develop design drawings for specific measures designed to divert decreed irrigation water to headgates and provide for healthy channel function and aquatic condition.
- All designs will be done in AutoCad and will incorporate the results of hydrologic analyses.
- Identify storage sites and ultimate disposition for any materials generated through excavation. Determine key access points to be used in installation of the designed diversion and channel activities.
- Discuss reach restoration design with ditch operators and landowners. Revise as appropriate.
- Write and submit permit application to US Army Corps staff. Work with staff to address any
  concerns. Secure project permit. Permissions for access secured from landowners. US Army
  Corps Permit secured for implementation of designed restoration measures.

#### Deliverables

Construction-ready design drawings for South Town to Exon Diversion reach of the Mancos River. Drawings will include plan view, cross sections and profiles detailing the construction design for four irrigation diversions together with measures to improve/restore channel function and aquatic condition. Permissions for installation secured from landowners. US Army Corps Permit secured for implementation of designed restoration measures.

## TASK 5 – Install diversion structures and channel habitat and riparian treatments.

#### Description of Task

Implement whole reach restoration plan through installation of 4 diversion structures and channel habitat and riparian treatments as designed in Task 4.

#### Method/Procedure

- 1. Locate and purchase construction materials.
- 2. Hire local trucking company to transport materials from source to project site.
- 3. Hire large track excavator to install rock, concrete and log structures and to excavate pools and banks per whole reach plan.
- 4. Site clean-up (smooth grade disturbed areas and excavated materials).
- 5. Provide construction staking and construction oversight
- 6. Record on Construction Plans any notable changes made in the field.

#### Deliverable

Four irrigation diversion structures installed, and appropriate channel and riparian restoration measures implemented along 2 miles of the Mancos River.

### TASK 6 – Coordinate, manage and report on all aspects of the project.

#### Description of Task

Coordinate completion of tasks 1-5 by various partners, funders and Mancos Conservation District, as well as writing and circulating progress reports and final project report.

### Method/Procedure

Arrange meetings, liaison with funding agencies, track billing and progress, administer grant, write and circulate progress reports to funding agencies and MCD Board, liaison with watershed partners, ditch companies, water commissioners, other stakeholders and Mancos Conservation District. Identify and apply for future implementation funding.

### Deliverable

Coordination of Tasks 1-6, progress reports, 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

Please see attached budget sheet

## **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 5 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.

## Appendix 1 Reference Information

The following information is available via the internet. The reference information provides additional detail and background information.

- Water Supply Reserve Account main webpage:
  - o <a href="http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Pages/main.aspx">http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Pages/main.aspx</a>
- Water Supply Reserve Account Basin Fund Application Details:
  - o <a href="http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Pages/BasinWaterSupplyReserveAccountGrants.aspx">http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Pages/BasinWaterSupplyReserveAccountGrants.aspx</a>
- Water Supply Reserve Account Statewide Fund Application Details:
  - o <a href="http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Pages/StatewideWaterSupplyReserveAccountGrants.aspx">http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Pages/StatewideWaterSupplyReserveAccountGrants.aspx</a>
- Colorado Water Conservation Board main website:
  - o http://cwcb.state.co.us/
- Interbasin Compact Committee and Basin Roundtables:
  - http://cwcb.state.co.us/about-us/about-the-ibccbrts/Pages/main.aspx/Templates/BasinHome.aspx
- House Bill 05-1177 (Also known as the Water for the 21<sup>st</sup> Century Act):
  - o http://cwcbweblink.state.co.us/DocView.aspx?id=105662&searchhandle=28318
- House Bill 06-1400 (Adopted the Interbasin Compact Committee Charter):
  - o http://cwcbweblink.state.co.us/DocView.aspx?id=21291&searchhandle=12911
- Senate Bill 06-179 (Created the Water Supply Reserve Account):
  - o http://cwcbweblink.state.co.us/DocView.aspx?id=21379&searchhandle=12911
- Statewide Water Supply Initiative 2010:
  - o <a href="http://cwcb.state.co.us/water-management/water-supply-planning/Pages/SWSI2010.aspx">http://cwcb.state.co.us/water-management/water-supply-planning/Pages/SWSI2010.aspx</a>

# Appendix 2 Insurance Requirements

NOTE: The following insurance requirements taken from the standard contract apply to WSRA projects that exceed \$25,000 in accordance with the policies of the State Controller's Office. Proof of insurance as stated below is necessary prior to the execution of a contract.

#### 13. INSURANCE

Grantee and its Sub-grantees shall obtain and maintain insurance as specified in this section at all times during the term of this Grant: All policies evidencing the insurance coverage required hereunder shall be issued by insurance companies satisfactory to Grantee and the State.

#### A. Grantee

### i. Public Entities

If Grantee is a "public entity" within the meaning of the Colorado Governmental Immunity Act, CRS §24-10-101, et seq., as amended (the "GIA"), then Grantee shall maintain at all times during the term of this Grant such liability insurance, by commercial policy or self-insurance, as is necessary to meet its liabilities under the GIA. Grantee shall show proof of such insurance satisfactory to the State, if requested by the State. Grantee shall require each Grant with Sub-grantees that are public entities, providing Goods or Services hereunder, to include the insurance requirements necessary to meet Sub-grantee's liabilities under the GIA.

#### ii. Non-Public Entities

If Grantee is not a "public entity" within the meaning of the GIA, Grantee shall obtain and maintain during the term of this Grant insurance coverage and policies meeting the same requirements set forth in §13(B) with respect to sub-Grantees that are not "public entities".

#### **B.** Sub-Grantees

Grantee shall require each Grant with Sub-grantees, other than those that are public entities, providing Goods or Services in connection with this Grant, to include insurance requirements substantially similar to the following:

#### i. Worker's Compensation

Worker's Compensation Insurance as required by State statute, and Employer's Liability Insurance covering all of Grantee and Sub-grantee employees acting within the course and scope of their employment.

#### ii. General Liability

Commercial General Liability Insurance written on ISO occurrence form CG 00 01 10/93 or equivalent, covering premises operations, fire damage, independent Grantees, products and completed operations, blanket Grantual liability, personal injury, and advertising liability with minimum limits as follows: (a)\$1,000,000 each occurrence; (b) \$1,000,000 general aggregate; (c) \$1,000,000 products and completed operations aggregate; and (d) \$50,000 any one fire. If any aggregate limit is reduced below \$1,000,000 because of claims made or paid, Sub-grantee shall immediately obtain additional insurance to restore the full aggregate limit and furnish to Grantee a certificate or other document satisfactory to Grantee showing compliance with this provision.

#### iii. Automobile Liability

Automobile Liability Insurance covering any auto (including owned, hired and non-owned autos) with a minimum limit of \$1,000,000 each accident combined single limit.

#### iv. Additional Insured

Grantee and the State shall be named as additional insured on the Commercial General Liability and Automobile Liability Insurance policies (leases and construction Grants require additional insured coverage for completed operations on endorsements CG 2010 11/85, CG 2037, or equivalent).

#### v. Primacy of Coverage

Coverage required of Grantee and Sub-grantees shall be primary over any insurance or self-insurance program carried by Grantee or the State.

#### vi. Cancellation

The above insurance policies shall include provisions preventing cancellation or non-renewal without at least 45 days prior notice to the Grantee and the State by certified mail.

### vii. Subrogation Waiver

All insurance policies in any way related to this Grant and secured and maintained by Grantee or its Sub-grantees as required herein shall include clauses stating that each carrier shall waive all rights of recovery, under subrogation or otherwise, against Grantee or the State, its agencies, institutions, organizations, officers, agents, employees, and volunteers.

#### C. Certificates

Grantee and all Sub-grantees shall provide certificates showing insurance coverage required hereunder to the State within seven business days of the Effective Date of this Grant. No later than 15 days prior to the expiration date of any such coverage, Grantee and each Sub-grantee shall deliver to the State or Grantee certificates of insurance evidencing renewals thereof. In addition, upon request by the State at any other time during the term of this Grant or any sub-grant, Grantee and each Sub-grantee shall, within 10 days of such request, supply to the State evidence satisfactory to the State of compliance with the provisions of this §13.

# Appendix 3 Water Supply Reserve Account Standard Contract Information

NOTE: The standard contract is required for WSRA projects that exceed \$100,000. (Projects under this amount will normally be funded through a purchase order process.) Applicants are encouraged to review the standard contract to understand the terms and conditions required by the State in the event a WSRA grant is awarded. Significant changes to the standard contract require approval of the State Controller's Office and often prolong the contracting process.

It should also be noted that grant funds to be used for the purchase of real property (e.g. water rights, land, conservation easements, etc.) will require additional review and approval. In such cases applicants should expect the grant contracting process to take approximately 3 to 6 months from the date of CWCB approval.

The standard contract is available here under the header "Additional Resources" on the right side: <a href="http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Pages/BasinWaterSupplyReserveAccountGrants.aspx">http://cwcb.state.co.us/LoansGrants/water-supply-reserve-account-grants/Pages/BasinWaterSupplyReserveAccountGrants.aspx</a>

## Appendix 4 W-9 Form

NOTE: A completed W-9 form is required for all WSRA projects prior execution of a contract or purchase order. Please submit this form with the completed application.

#### Mancos River Restoration and Diversion Project - Phase II Budget and Schedule

Mancos Conservation District, Mancos, CO

## Budget & Timeline Table

		CW	/CB Funds			Ot	ther Fund	linį	g Cash	Other Funding In-Kind									
				Ma	aterials and											Pe	ter Stacey,		
Task	Description		Labor	Е	quipment		MCD	TU			MCD		NRCS		TU		UNM	Volunteers	
1	Rapid Stream-Riparian Assessment training, monitoring, baseline.	\$	=	\$	-	\$	1,160.00	\$	-	\$	704.00	\$	304.00	\$	-	\$	1,000.00	\$ 2,520.00	
2	Convene Mancos Valley Watershed Group.	\$	=	\$	-	\$	-	\$	-	\$	-	\$	-	\$	1,000.00	\$	-		
3	Baseline geomorphic survey of South Town to Exon Diversion reach.	\$	=	\$	-	\$	-	\$	-	\$	722.00	\$	722.00	\$	-	\$	-		
4	Design diversion structures and other habitat improvements.	\$	-	\$	-	\$	-	\$	-	\$	4,280.00	\$	3,800.00	\$	-	\$	-		
5	Install diversion structures and other habitat improvements.	\$	57,040.00	\$	54,600.00	\$	-	\$	5,000.00	\$	1,748.00	\$	1,748.00	\$	-	\$	-		
6	Coordinate, manage and report on all aspects of the project.	\$	7,700.00	\$	-	\$	-	\$	-	\$	47.50	\$	47.50	\$	-	\$	-		
	TOTALS	\$	64,740.00	\$	54,600.00	\$	1,160.00	\$	5,000.00	\$	7,501.50	\$	6,621.50	\$	1,000.00	\$	1,000.00	\$ 2,520.00	

### **Labor Costs**

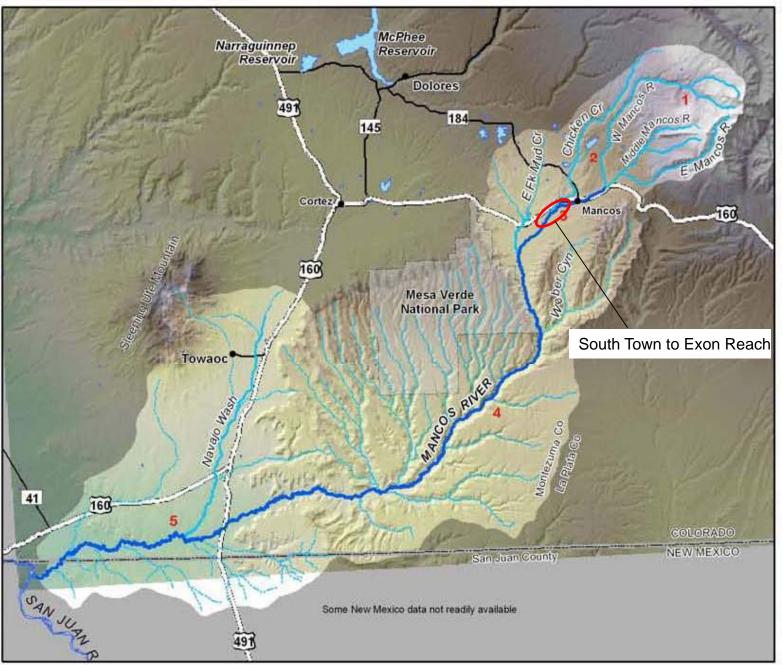
		Project	Proj	ect	Pr	oject	
		Personnel:	Manager			stallation	
Task	Description	Hourly rate:		70.00		By job	Total
1	Rapid Stream-Riparian Assessment training, monitoring, baseline.		\$	-	\$	-	\$ -
2	Convene Mancos Valley Watershed Group.		\$	-	\$	-	\$ -
3	Baseline geomorphic survey of South Town to Exon Diversion reach		\$	-	\$	-	\$ -
4	Design diversion structures and other habitat improvements.		\$	-	\$		\$ -
5	Install diversion structures and other habitat improvements.		\$	-	\$	57,040.00	\$ 57,040.00
6	Coordinate, manage and report on all aspects of the project.		\$	7,700.00	\$	-	\$ 7,700.00
	TOTALS		\$	7,700.00	\$	57,040.00	\$ 64,740.00

#### **In -Kind Contributions**

																	TU Staff an		l Peter			
		Project	MC	NCD N		MCD N		MCD Board N		CD	Total MCD Ir		- NRCS		Mapping		Sta	cey,	Wa	atershed		
_		Personnel:	Tech	nnician 1	Techi	nician 2	Men	nber	Ma	nager	Kind	d	Tec	chnician	Ser	vices	UN	M	Vol	lunteers		
Task	Description	Hourly rate:	\$	19.00	\$	19.00	\$	25.00	\$	20.00			\$	19.00			80	0/day	\$	21.00		
1	Rapid Stream-Riparian Assessment training, monitoring, baseline.		\$	152.00	\$	152.00	\$	400.00	\$	-	\$	704.00	\$	304.00	\$	500.00	\$	1,000.00	\$	2,520.00		
2	Convene Mancos Valley Watershed Group.		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	500.00	\$	-	\$	-		
3	Baseline geomorphic survey of South Town to Exon Diversion reach		\$	722.00	\$	-	\$	-	\$	-	\$	722.00	\$	722.00	\$	-	\$	-	\$	-		
4	Design diversion structures and other habitat improvements.		\$	3,800.00	\$	-	\$	-	\$	480.00	\$	4,280.00	\$	3,800.00	\$	-	\$	-	\$	-		
5	Install diversion structures and other habitat improvements.		\$	1,748.00	\$	-	\$	-	\$	-	\$	1,748.00	\$	1,748.00	\$	-	\$	-	\$	-		
6	Coordinate, manage and report on all aspects of the project.		\$	47.50	\$	-	\$	-	\$	-	\$	47.50	\$	47.50	\$	-	\$	-	\$	-		
	TOTALS		\$	6,469.50	\$	152.00	\$	400.00	\$	480.00	\$	7,501.50	\$	6,621.50	\$	1,000.00	\$	1,000.00	\$	2,520.00		

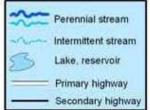
## Schedule

		Target Start	Target
Task	Description	Date	Completion
1	Rapid Stream-Riparian Assessment training, monitoring, baseline.	6/11/2012	NTP + 30 days
2	Convene Mancos Valley Watershed Group.	NTP	NTP + 30days
3	Baseline geomorphic survey of South Town to Exon Diversion reach	NTP	NTP + 90 days
4	Design diversion structures and other habitat improvements.	NTP + 90 days	6/1/2013
5	Install diversion structures and other habitat improvements.	8/1/2013	11/1/2014
6	Coordinate, manage and report on all aspects of the project.	NTP	3/1/2015
	TOTALS		



2006 Cooperative Conservation
Partnership Initiative:
Rapid Watershed Assessment
for the
Mancos River Watershed
(Eight-digit Hydrologic Unit Code
of 14080107)

Itiap produced by USGA
Hallaria Resources Conservation Service.
Area 4 (Colorado GSS Statt 2.21.07



Data Sources: U.S. Geological Survey, Natural Resources Conservation Service, and Farm Services Agency



Timothy Flanagan 2464 CR 228 Durango, CO 81301 970-247-5593

tflanagan@sisna.com

March 26, 2012

Mr. Russell Klatt Mancos Conservation District Mancos, Colorado

RE: Mancos Diversion Project

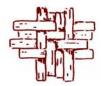
To whom it may concern,

I was contacted by Mr. Russell Klatt in regards to possible improvements along the Mancos River. As a land owner, with approximately 1300 lineal feet of river, I was very glad to hear of the efforts that the Mancos Diversion Project was proposing. Mr. Russsell also sent me some pictures of various areas that they had already restored and improved. Rivers are tremendous assets and I am in full support of any efforts that may improve river stability, water quality and create fish habitat.

Thank you.

Sincerely,

Timothy Flanagan



## Laurie D. Webster, Ph.D.

8360 Road 39 Mancos, CO 81328 (970) 533-7823

March 21, 2012

Mr. Russell Klatt Mancos Conservation District 604 Bauer Ave. Mancos, CO 81328

Dear Mr. Klatt,

As a landowner of property along the Mancos River, I am writing to express my support for the proposed Mancos Diversion Project, which would divert water into irrigation headgates and improve fish and aquatic habitat. I understand that this project would also identify additional areas for future habitat improvement. I have seen the improvements made by the Mancos Conservation District to the Town of Mancos municipal water headgate last year, and I would welcome a similar level of stream habitat improvement along my section of the river. I wish you the best of luck with your grant proposal.

With best regards,

Jaurie D. Webster

Laurie D. Webster

## M letter of support

**Ann Oliver** <annsoliver@gmail.com>
To: Ann Oliver <annsoliver@gmail.com>

Wed, Mar 28, 2012 at 8:14 AM

From: Beverly Capelin [mailto:beverly@deerhillexpeditions.com]

**Sent:** Monday, March 26, 2012 4:01 PM **To:** Klatt, Russell - NRCS, Cortez, CO

Subject: from Beverly

March 26th, 2012

Dear Members of the Colorado Conservation Water Board:

I am writing this letter to applaud the core work that the Mancos Conservation District has done to help build riparian habitat in and sustain the integrity of the Mancos River. This river is the lifeline that threads it's way

through the Mancos Valley. The embankments built by the District, especially the work done at the Town of Mancos' head gate, is substantial, vital and frankly, beautiful!

We have run our family business in Mancos for close to 30 years. As owners of 22+ acres along the Mancos River, we would be delighted to see the shallow flat sections, and there are a lot of them, transformed by the District.

The river sections they have worked on have responded so well and so quickly to their work. It would be delightful to have more biological diversity both along the river banks and in the river itself.

It is one thing to wish that a river actually have it's vitality increased, that it become stronger and richer. It is a blessing that the District be ready, willing and competent enough to tackle the job. I most sincerely hope that the

Mancos Conservation District be awarded financial grant money so they may continue to build a healthier riparian community amidst the Mancos River.

On behalf of my family, friends and neighbors, I thank you for your time. If you have need to contact me, I would be more than glad to answer any concerns that you may have.

Respectfully,

**Beverly Capelin** 



Beverly Capelin | Founder & Owner beverly ill deerhillexpeditions.com 970.533.7492 | 970.759.0883 www.deerhillexpeditions.com

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