

Scope of Work

GRANTEE and FISCAL AGENT (if different)
Wildlands Restoration Volunteers

PRIMARY CONTACT
Ed Self

ADDRESS
3012 Sterling Circle, Suite 201
Boulder, CO 80301

PHONE
303-543-1411 x7#

PROJECT NAME
Upper Apple Valley Flood
Revegetation

GRANT AMOUNT
\$15,000



INTRODUCTION AND BACKGROUND

Provide a brief description of the project. (Please limit to half a page)

The September 2013 flood had a devastating impact on the Saint Vrain Creek, particularly in the Lyons area. Many emergency repairs were conducted in this area in 2014, including a site in Apple Valley, downstream of the wood bridge. In September, 2014, Jeff Crane, who did extensive channel work in this area (mostly private land), asked if WRV could revegetate the site. WRV is able to do so in spring, 2015. Having invested substantial resources in this area for channel work, CWCB has the opportunity to support the completion of the revegetation work and use the site as a demonstration of successful restoration, which can be replicated throughout the Saint Vrain watershed in the coming years. It is important to revegetate the site now to reduce risk of soil erosion, help prevent invasion by weeds, and improve the quality of the wildlife habitat.

The Apple Valley site includes about 2500 feet of the North Saint Vrain Creek. The estimated revegetation area encompasses about five acres of bare ground as shown on the aerial below. Additional sites downstream may be added to the scope.

This area is listed as a priority for restoration in the Saint Vrain Master Plan, and the Saint Vrain Watershed Coalition authorizes and supports the work.

Permissions are currently being obtained from the private land owners. Those contacted thus far have been very enthusiastic. Given that these same property owners already authorized the channel work, we anticipate all will welcome the revegetation work.

OBJECTIVES

List the objectives of the project. Please include objectives for all aspects of the project whether funded by the CWCB or not

TASKS

Provide a detailed description of each task using the following format. Detailed descriptions are only required for CWCB funded tasks. Other tasks should be identified but do not require details beyond a brief description.

TASK 1 – [Get Permission from land owners]

Description of Task

Obtain permission from all involved land owners and right of way holders for permission to work on land and release of liability.

Method/Procedure

- **Visit with all land owners to discuss project and garner support.**
- **Meet with CDOT to discuss right of way and site access.**

Deliverable

- **Signed permission forms from all involved parties.**

TASK 2 – [Project Design and planning]

Description of Task

Complete revegetation design for project.

Method/Procedure

- **Conduct onsite visits to determine scope of work.**
- **Determine revegetation treatments, including plant material/species list.**
- **Determine exact materials needed.**
- **Produce design documents for the project.**

Deliverable

- **Design documents**
- **Plan map showing extent of project area.**

TASK 2 – [Community Engagement]

Description of Task

Recruit sufficient volunteers to accomplish the project.

Method/Procedure

- **Recruit about 20 youth volunteers to harvest and stage willows before the project.**
- **Recruit 5 to 10 volunteers to help stage WoodStraw before the project.**
- **Recruit at least 70 volunteers to help accomplish the revegetation, including about 10 trained volunteer leaders.**
- **Recruit these volunteers through WRV network, from greater Lyons community, and affected land owners.**
- **Garner press coverage for the project.**

Deliverable

- **Enough volunteers to get the job done.**
- **Article in local newspaper.**
- **Pool of volunteers to assist in future flood recovery projects in Lyons area.**

TASK 4 – [Materials Acquisition]

Description of Task

Acquire and stage materials for the project.

Method/Procedure

- **Order seed.**
- **Order container plants.**
- **Order WoodStraw mulch.**
- **Harvest, prep and stage willows.**
- **Stage materials before main volunteer event, so volunteers can readily access them.**

Deliverable

- **Materials onsite before the project.**

TASK 5 – [Revegetation]

Description of Task

Revegetate the riparian corridor along North St Vrain Street for approximately 2500 downstream from the log bridge, encompassing about five acres.

Method/Procedure

- **Hand broadcast native seed mix (adapted NRCS mix, mostly grasses), in disturbed areas that have some degree of soil cover and rake into soil where feasible.**
- **Broadcast a very light application of Biosol (500-600 lbs/acre) to augment the fertility of rocky/sandy soil to aid in native vegetation establishment, without stimulating excessive weed growth.**
- **Broadcast WoodStraw mulch to conserve soil moisture to support seed establishment and reduce erosion potential. Woodstraw mulch will only be applied in areas approximately above Bank Full level, so it is not washed away by spring run-off.**
- **Plant locally gathered willow cuttings (estimated 1000+) in patches along the stream and near seeps to help establish over story vegetation and provide long term bank stability.**
- **Plant approximately 200 containerized native trees and shrubs.**
- **Conduct photo documentation before, during, and after project**

Deliverable

- **Revegetated riparian corridor**
- **Photo documentation available on WRV website and sent to CWCB as needed**

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.



STATE OF COLORADO
Department of Natural Resources

ORDER		** IMPORTANT **				
Number: POGG1 PDAA 20150000000000000241		The order number and line number must appear on all invoices, packing slips, cartons and correspondence				
Date: 03/10/15						
Description: pdaa5000 watershed grant upper apple valley revegetation		BILL TO				
Effective Date: 03/11/15 Expiration Date: 06/30/15		COLORADO WATER BOARD CONSERVATION 1313 SHERMAN STREET, ROOM 718 DENVER, CO 80203				
BUYER		SHIP TO				
Buyer:		COLORADO WATER BOARD CONSERVATION				
Email:		1313 SHERMAN STREET, ROOM 718 DENVER, CO 80203				
VENDOR		SHIPPING INSTRUCTIONS				
WILDLANDS RESTORATION VOLUNTEERS 3012 STERLING CIR UNIT 201 BOULDER, CO 80301-2332		Delivery/Install Date: F.O.B: VENDOR INSTRUCTIONS:				
Contact: .						
Phone: 3035431411						
Line Item	Commodity/Item Code	UOM	QTY	Unit Cost	Total Cost	MSDS Req.
1	G1000		0	0.00	\$15,000.00	<input type="checkbox"/>
Description: pdaa5000 watershed grant upper apple valley revegetation						
Service From: 03/11/15 Service To: 06/30/15						
TERMS AND CONDITIONS						
https://www.colorado.gov/osc/purchase-order-terms-conditions						
DOCUMENT TOTAL = \$15,000.00						

Invoice to: Colorado Water Conservation Board
1313 Sherman St. Rm. 721
Denver, Co 80203

Project Name

Grantee: Wildlands Restoration Volunteers

Address: 3012 Sterling Circle, Suite 201
Boulder, CO 80301

Phone No.: 303-543-1412 x7#

CWCB Contract or
Purchase Order No.: POGG1 PDAA 20150000000000000241

Grant Amount: \$15,000

Date of Invoice: 5/18/2015

FINAL

Chris Sturm 5/26/15
Chris Sturm Date
OK to Pay 5/29/15

Task	Description	Total Budget/Grant Funds	Previously Invoiced	Current Invoice	Remaining Total	Percent Complete
1	Get permission from land owners	\$640	\$0	\$640	\$0.00	100.0%
2	Project design and planning	\$1,280	\$0	\$1,280	\$0.00	100.0%
3	Community engagement	\$960	\$0	\$960	\$0.00	100.0%
4	Materials Acquisition	\$8,205	\$0	\$8,205	\$0.00	100.0%
5	Revegetation	\$3,915	\$0	\$3,915	\$0.00	100.0%
		TOTALS \$15,000	\$0	\$15,000	\$0	

Submitted by: Ed Self

Title: Executive Director

Signature: *Ed Self*