



**Scope of Work:**  
**WALDO Recovery**

**GRANTEE: Coalition for the Upper South Platte**

**PRIMARY CONTACT: Carol Ekarius**

**ADDRESS: Box 726, Lake George, CO 80827**

**PHONE: 719-748-0033**

**PROJECT NAME: Waldo Fire WARSSS Implementation**

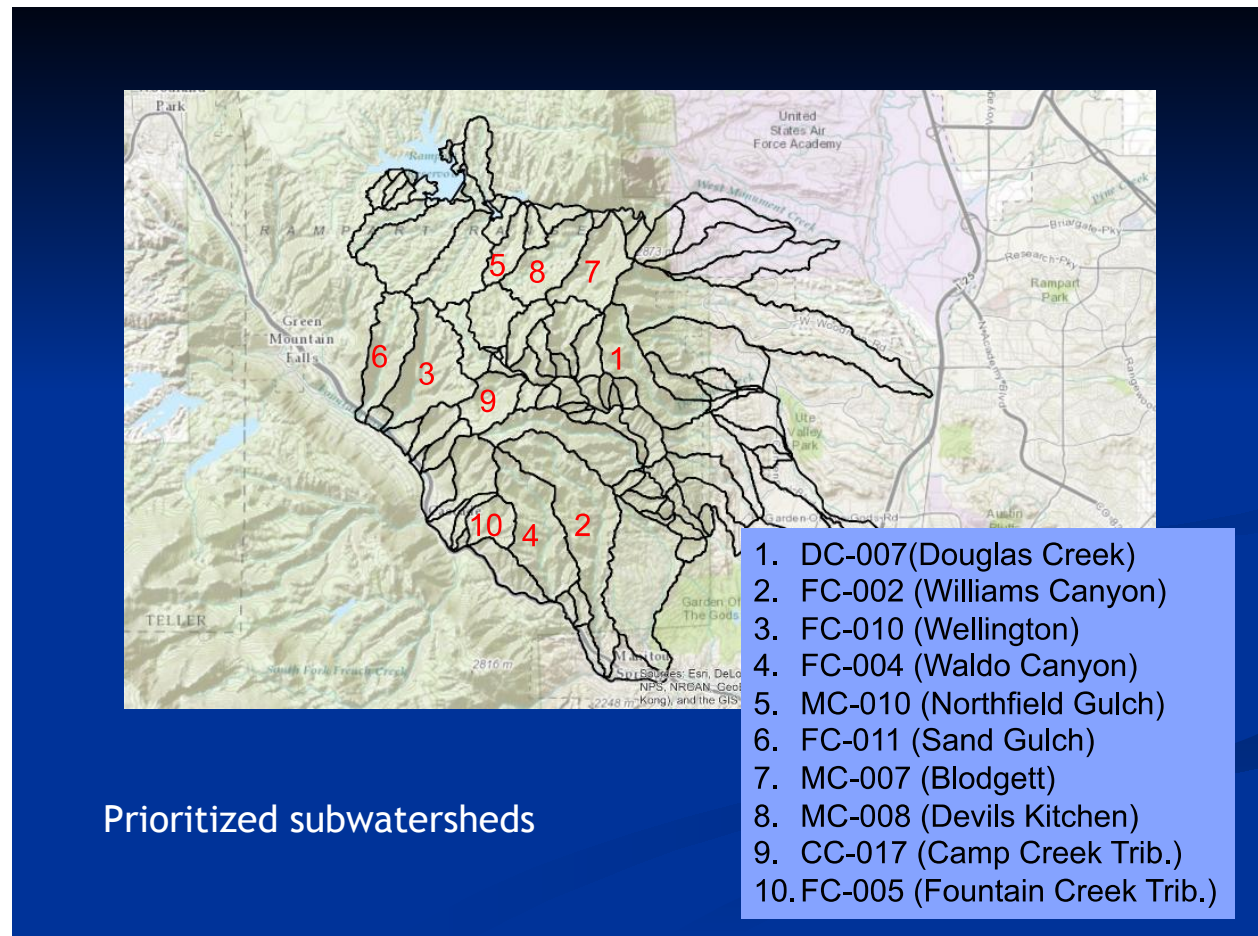
**AMOUNT REQUESTED: \$100,000**

**INTRODUCTION AND BACKGROUND**

The Waldo Canyon Fire burned 18,247 acres over 19 days in June and July. Though most of the fire burned on National Forest System Lands, the post-fire flooding impacts have the potential to cause hundreds of millions or billions of dollars of damage downstream.

CUSP contracted with Dave Rosgen of Wildland Hydrology to perform an assessment, develop a plan, and implement a plan for post-fire restoration in the Waldo. The Waldo WARSSS with the Pike National Forest and the Waldo Recovery Committee (made of El Paso County, the Cities of Colorado Springs and Manitou, Colorado Springs Utilities, Regional Building, CDOT, and other stakeholders), and funded by the Pike, the Waldo Recovery Committee members, and CWCBC. This assessment is the Watershed Assessment for River Stability and Sediment Supply or WARSSS. The WARSSS effort has yielded lessons that we will now apply to the Waldo fire. Rosgen and a crew of experts are collecting data for a comparable assessment and planning process across the Waldo fire. This project will provide a strategic path forward by early spring, 2013, so that the partners involved in the project, including the Pike National Forest, NRCS, City of Colorado Springs, City of Manitou Springs, Colorado Springs Utilities, El Paso County,

CDOT, and others. The WARSSS identified top priority subwatersheds for work based on hydrology, potential sediment movement and flood flows, and values at risk (identified by a separate committee of community experts). The WARSSS also identified potential solutions and opportunities for implementation using natural channel design and approaches developed by Wildland, CUSP, and the USFS in the Hayman Fire Trail Creek Restoration Project.



Beginning in early spring, 2013, CUSP and various partners began implementing solutions in sub-watersheds.

This funding will provide support and matching funds to federal grants to continue implementing rehab strategies, as discussed below.

### **OBJECTIVE:**

The primary objects are to: 1.) Reduce flooding and debris flows, and mitigate the impacts of floods that do occur; 2.) Hasten ecological restoration and return hydrologic function to channels and drainages.

## TASKS:

### TASK 1 – Implement Hand Treatments in North Douglas (priority drainage 1)

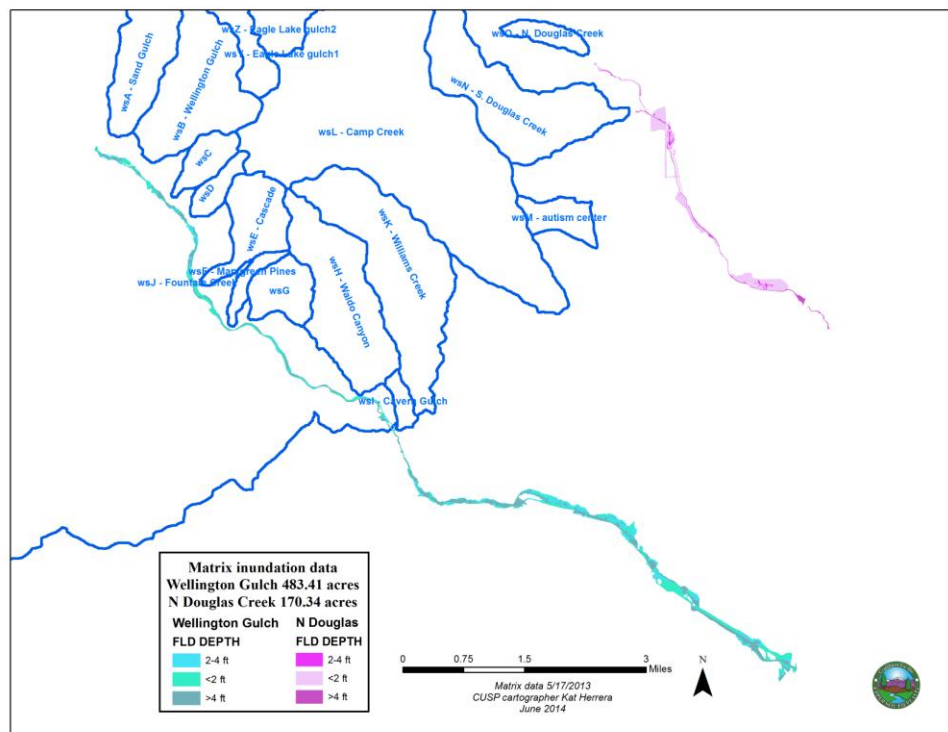
Treatments in North Douglas will help protect the west side of Colorado Springs. The City/County post-Waldo inundation study (funded by CWCB and performed by Matrix Engineering) showed that there is a 170 acres of possible flooding in a developed urban zone below the North Douglas drainage (see map below). Installation of sediment catchments and fan stabilization using sill logs is about complete; however little upland and hillslope work has been completed by handcrews. Funding from CWCB will be utilized to fund handcrews to: 1.) revegetate the alluvial fans with both grasses and willows in areas that are appropriate based on depth to groundwater, 2.) install log erosion barriers or straw wattles on hillslopes, and 3.) seed and mulch hillslopes in area of erosion barriers/wattles.

We expect to seed on at least 25 acres of disturbed hillslope and fans, mulch on at least plant at least 2 acres of willows, and install at least 5,000 lf.

### TASK 2 – Implement Sediment Catchments and Channel Stabilization in Wellington (priority drainage 3)

We have implemented most of the catchments and channel stabilization that were intended in the top priority watersheds, however we have not yet completed them in this drainage, so CWCB funds will provide critical non-federal match to complete outstanding. The inundation study shows 483 acres of flood zone, including Manitou Springs, below Wellington.

We expect to complete at least three sediment catchments and stabilization on at least 500 feet of channel.



Inundation study  
impacts from  
Wellington and  
North Douglas

### TASK 3 –Facilitating and Coordinating Projects Across Landscape and Reporting

CUSP will provide appropriate project: 1.) oversight of project including managing contracts and contractors, and providing trained field staff. 2.) data collection and mapping of outcomes utilizing GIS shape files, and 3.) interim and final reports to CWCB, which will include a progress report every 6 months, beginning from the date of the executed contract or PO. The progress report will 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. At completion of the project, CUSP will 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 and Schedule

Expenses by Type	Requested Funds from CWCB	Matching Funds	Source of Matching Funding	Total (Requested + Matching Funds)
Personnel	\$40,000.00	\$50,000.00	Volunteers	\$90,000.00
Travel		\$5,000.00	CUSP donations	\$5,000.00
Supplies (Rock, Trees, Anchors, Seed, Straw, Willows, Erosion Fabric)	\$10,000.00	\$20,000.00	CUSP donations from various grants and donations, including 319 Nonpoint Sources, NRCS EWP, and USFS BAER funds	\$30,000.00
Contractual	\$50,000.00	\$75,000	CUSP donations from various grants and donations, including 319 Nonpoint Sources, NRCS EWP, and USFS BAER fund	\$115,000.00
<b>Totals:</b>	\$90,000.00	\$150,000.00		\$240,000.00
Expenses by Task	Requested Funds from CWCB	Matching Funds	Source of Matching Funding	Total (Requested + Matching Funds)
Task 1	\$30,000.00	\$50,000.00	Volunteers	\$80,000.00
Task 2	\$65,000.00	\$100,000.00	CUSP donations	\$165,000.00
Task 3	\$5,000.00		CUSP donations from various grants and donations, including 319 Nonpoint Sources, NRCS EWP, and USFS BAER funds	\$5,000.00
<b>Totals:</b>	\$100,000.00	\$150,000.00		\$250,000.00

Timeline: Work will begin on 11/3/14. Project completion including final reporting will be delivered by 12/15/15.



STATE OF COLORADO  
Department of Natural Resources

<b>ORDER</b>		<b>** IMPORTANT **</b>				
Number: POGG1 PDAA 20150000000000000168		The order number and line number must appear on all invoices, packing slips, cartons and correspondence				
Date: 10/24/14						
Description: PDAA5000 Watershed grant Waldo Fire WARSSS implementation		<b>BILL TO</b> COLORADO WATER BOARD CONSERVATION 1313 SHERMAN STREET, ROOM 718 DENVER, CO 80203				
<b>BUYER</b>		<b>SHIP TO</b>				
Buyer:		COLORADO WATER BOARD CONSERVATION				
Email:		1313 SHERMAN STREET, ROOM 718 DENVER, CO 80203				
<b>VENDOR</b>		<b>SHIPPING INSTRUCTIONS</b>				
COALITION FOR THE UPPER SO PLATTE PO BOX 726 LAKE GEORGE, CO 80827-0726		Delivery/Install Date:				
Contact: MARTHA CAMPBELL		F.O.B:				
Phone: 7197480033		<b>VENDOR INSTRUCTIONS:</b>				
<b>Line Item</b>	<b>Commodity/Item Code</b>	<b>UOM</b>	<b>QTY</b>	<b>Unit Cost</b>	<b>Total Cost</b>	<b>MSDS Req.</b>
1	G1000		0	0.00	\$100,000.00	<input type="checkbox"/>
Description: PDAA5000 Watershed grant Waldo Fire WARSSS implementation						
Start Date: 11/03/14		End Date: 12/31/15				
<b>TERMS AND CONDITIONS</b>						
<a href="https://www.colorado.gov/osc/purchase-order-terms-conditions">https://www.colorado.gov/osc/purchase-order-terms-conditions</a>						
<b>DOCUMENT TOTAL = \$100,000.00</b>						

**Project Name**

Grantee: Coalition for the Upper South Platte

Address: Box 726, Lake George, CO 80827

Phone No.: 719-748-0033

CWCBC Contract or  
Purchase Order No.: POGG1 PDAA 201500000000000168

Grant Amount: \$100,000

Date of Invoice: 19-Dec-14  
Performance Period**FINAL**

Task	Description	Total Budget/Grant Funds	Previously Invoiced	Current Invoice	Remaining Total	Percent Complete	Match to Date
1	Implement North Douglas	\$30,000	\$0	\$30,000	\$0.00	100.0%	89847.81
2	Implement Wellington	\$65,000	\$0	\$65,000	\$0.00	na	121432.45
3	Facilitate	\$5,000	\$0	\$5,000	\$0.00	100.0%	8768.9
4			\$0		\$0.00	#DIV/0!	
5					\$0.00	#DIV/0!	
6					\$0.00	#DIV/0!	
7					\$0.00	#DIV/0!	
TOTALS		\$100,000	\$0	\$100,000	\$0		220049.16

Submitted by:

*Carol Ekarius*

Title:

EXECUTIVE DIRECTOR

Signature:

CAROL EKARIUS

*Chris Sturm* 1/20/15  
 Chris Sturm  
 OK to Pay - *skutty* 1/20/15  
 Date