



COLORADO RIVER RESTORATION & CONSERVATION PROJECT

FINAL GRANT REPORT



Eagle River Watershed Council
Holly Loff, Executive Director

PO Box 5740, Eagle, CO 81631; 970-827-5406; loff@erwc.org
EIN: 20-444-8864

Contract # C150506
Dates Covered by This Grant: 11/26/2012- 6/30/2014

June 24, 2014

EXECUTIVE SUMMARY

After realizing that little data existed for the 55 miles of the Upper Colorado River running through Eagle County, Eagle River Watershed Council sought to fill this gap. The resulting report, the Colorado River Inventory & Assessment (CRIA), will guide forthcoming restoration and conservation efforts on the river. The natural starting point for this effort was to conduct a full, science-based inventory and assessment of the ecology of the river corridor. CRIA also outlines strategies and activities that should be undertaken to protect and enhance the health of the Upper Colorado River as it flows through Eagle County.

The WSRA grant funds, in the amount of \$110,000, supported Task 3 (Inventory & Synoptic Field Survey), Task 4 (Candidate Rehabilitation Projects List & Review), and Task 5 (Colorado River Inventory & Assessment Report). These tasks are the necessary, early steps in the overall Colorado River Restoration & Conservation Project.

PROJECT SCOPE

The goal for these phases of the Colorado River Restoration & Conservation Project was to understand and protect the health of the Colorado River, its inhabitants and ecosystems, by creating a defined, science-based, prioritized list of restoration and conservation projects. The spatial domain of this survey was the Colorado River mainstem from Radium to the western border of Eagle County at Glenwood Canyon.

The ERWC/CSU Inventory & Assessment provides:

- an inventory of channel, riparian, and upland characteristics within Eagle County that influence the ecological integrity, recreational amenities, and aesthetic values of the Colorado River and its major tributaries in the corridor;
- analysis of existing monitoring data and information to assess the status of the river corridor;
- synoptic field surveys of riparian conditions, chemical, physical, and biological water quality, and geomorphic attributes to supplement existing information;.
- and identification and description of candidate rehabilitation projects (structural and non-structural) and links to current issues and likely outcomes.

PROJECT STATUS

Task 3 (Inventory & Synoptic Field Survey) was mostly completed before moving into this grant (C150506), and primarily utilized previously acquired WSRA grant funds. Funding from the C150506 WSRA grant was used to complete Task 4 (Candidate Rehabilitation Projects List & Review) and Task 5 (Colorado River Inventory & Assessment Report). CRIA is in the final stages of editing and will be submitted to CWCB and Colorado Basin Roundtable by the end of July 2014.

The resulting report, CRIA, is very different than the Eagle River Inventory & Assessment (ERIA) completed in 2005, also in partnership between CSU and ERWC. It was intended that CRIA would utilize ERIA as a template. As CSU's fieldwork progressed, however, it became apparent that the differing nature of the Upper Colorado and Eagle Rivers would result in very different final reports.

ERIA identified numerous rehabilitation projects that would greatly improve the health of the Eagle River. These projects primarily focused on stretches of river that were impacted by development. These reaches lent themselves to clear and tangible restoration activities with straightforward benefits. The data gathered in the inventory and assessment of the Colorado River kept pointing to alterations in

the hydrologic regime as the primary threat to its health. ERWC worked with CSU to further develop the project recommendations. The resulting list of projects include recommendations that will help to address the diminishing flushing flows and rising temperatures, invasive species removal, reintroduction of native trout, riparian restoration efforts with landowners, and improved recreational access.

NEXT STEPS

ERWC will be outlining a detailed plan for Phase II of the Colorado River Restoration & Conservation Project in the coming months. Phase II will focus on the implementation of projects listed in Chapter 4 of CRIA.

It should be noted that ERWC completed the tasks of the Colorado River Restoration & Conservation Project, as outlined in our grant application, under budget. We achieved the feasible goals and objectives under this contract only spending \$39,686.16 of the \$110,000. This does not reflect shortcuts, but rather an efficient use of funds and in-kind services. It is the hope of ERWC and our partners that the unspent dollars from this grant will reflect our efficient use of WSRA funds and that this will be taken into account in our future funding requests. ERWC will respectfully request support of the projects in Phase II in the coming months.

ADDITIONAL INFORMATION

Appendix A- Colorado River Inventory and Assessment

Invoice to:

Colorado Water Conservation Board

1313 Sherman St. Rm. 721

Denver, Co 80203

Project Name

Grantee:

Eagle River Watershed Council

Address:

PO Box 5740, Eagle, CO 81631

Phone No.:

970-827-5406

CWCB Contract or
Purchase Order No.:

C150506

Grant Amount:

\$110,000

Date of Invoice:


6/27/2014

Task	Description	Total Budget/Grant Funds	Previously Invoiced	Current Invoice	Remaining Total	Percent Complete
3	Physical Inventory & Synoptic Field Survey	\$49,904.00	\$22,927.24	\$0.00	\$26,976.76	45.9%
4	Candidate Rehab Project List & Review	\$19,203.00	\$0.00	\$3,030.75	\$16,172.25	15.8%
5	Colo River Inventory & Assessment Report	\$40,893.00	\$7,749.41	\$5,978.76	\$27,164.83	33.6%
TOTALS		\$110,000.00	\$30,676.65	\$9,009.51	\$70,313.84	

Submitted by: Holly Loff

Title: Executive Director, ERWC

Signature:





Lotic Hydrological, LLC
PO Box 1524
Carbondale, Colorado 81623
seth@LoticHydrological.com
(970) 903-7561
LoticHydrological.com

Holly Loff
Eagle River Watershed Council
PO Box 5740
Eagle, Colorado 81631

INVOICE 2014026
May 2nd, 2014
Payment due by June 1st, 2014

Quantity	Details	Unit Price (\$)	Sales Tax	Net Subtotal (\$)
54:27 Hours	Project Management, Coordination, and Reporting	75.00	0%	4,083.75
Net Total				4,083.75
Sales Tax				0.00
USD Total				\$4,083.75

Payment Details

Wells Fargo Bank
Payment Reference: 2014026

Other Information

Project: Colorado River Inventory and Assessment



Copy Copy
PO BOX 2174
Avon, Colorado 81620
970.949.9385
avon@copycopy.biz
www.copycopy.biz

Quote No: 301
Date: 06/20/14

Page:
1

Sold To: Eagle River Watershed Council
PO Box 7688
Avon, CO 81620

Customer No: 63
Phone No:

Cust. Order #:

Salesperson: #4 - Sara

Product Code	Item Description	Qty	Unit Price	Amount
46	CLC LTR Laser 28lb	6625	0.22	1457.50
180	Coil Bind Clear F&B	25	3.99	99.75

X _____

Printed Name _____

Sub-Total: 1557.25

:

Shipping: 0.00

Tax [0]: EXEMPT*

Total: 1557.25

T h a n k
Y o u

Amount Paid: 0.00

Amount Due: 0.00

Change: 0.00

Eagle River Watershed Council
CRRCP Project Management and Admin

Holly Loff			
	Hours	Rate	Subtotal
May 2014	6	\$38.04	\$228.24
June 2014	15	\$38.04	\$570.60
Total	21	\$38.04	\$798.84

Kate Burchenal			
	Hours	Rate	Subtotal
May 2014	6	\$17.29	\$103.74
June 2014	4	\$17.29	\$69.16
Total	10	\$17.29	\$172.90

Doug Serrill			
	Hours	Rate	Subtotal
June 2014	8	\$20.00	\$160.00
Total	8	\$20.00	\$160.00

Total	\$1,131.74
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(970) 903-7561
LoticHydrological.com

Holly Loff
Eagle River Watershed Council
PO Box 5740
Eagle, Colorado 81631

INVOICE 2014034
June 26th, 2014
Payment due by July 26th, 2014

Quantity	Details	Unit Price (\$)	Sales Tax	Net Subtotal (\$)
27:49 Hours	Project Management, Coordination, and Reporting	75.00	0%	2,086.25
Expense	Silt BLM office, CRIA (141.2 miles at \$0.555/mile on 15 May 14)	78.37	0%	78.37
Expense	Upper C site visits, Avon-Radium-Dotsero-Avon (130 miles at \$0.555/mile on 27 May 14)	72.15	0%	72.15
Net Total				2,236.77
Sales Tax				0.00
USD Total				\$2,236.77

Payment Details

Wells Fargo Bank
Payment Reference: 2014034

Other Information

Project: Colorado River Inventory and Assessment