

COLORADO RIVER RECOVERY PROGRAM
FY 2014 ANNUAL PROJECT REPORT

RECOVERY PROGRAM
PROJECT NUMBER: 8

I. Project Title: Basin Wide Stream Gage Operation & Maintenance

II. Bureau of Reclamation Agreement Number(s):

Project/Grant Period: Start date 1990

USGS Contract: R12PG40019 End date: 9/30/16

Colorado Contract: SEO R12AP40009 End date: 9/30/18

Central Utah Contract R11AP40097 End date: 9/30/15

Reporting period end date: 09/30/2014

Is this the final report? Yes _____ No x

III. Principal Investigator:

Jana Mohrman

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Phone: (303) 236-9883 Cell (720)232-6330

IV. The Upper Colorado River Recovery Program employs the nation's expert, the USGS, to provide data to assist in protecting stream for endangered fishes

The USGS operates and maintains the gages as specified in their Cooperative Agreement with the Bureau of Reclamation. USGS produces daily flow and temperature records, which are checked and posted to the internet. Near real-time data is available as provisional on the internet and can be found at :

http://waterwatch.usgs.gov/?id=ww_current

2014 was an above-average snowpack year. Real-time USGS streamflow data were critical in helping managers operate reservoirs to benefit fish habitat and simultaneously prevent flooding in the Colorado's Grand Valley area.

V. Study Schedule: Initial Year - 1990, Final Year - Ongoing

VI. Relationship to RIPRAP:

Colorado River Action Plan I.A.5: Legally protect in stream flows pursuant to Colorado River PBO;; Green River Action Plan I.A.3.d Operate Flaming Gorge Dam to provide...flows; Duchesne River Action Plan; I.A; ID Year-round flow needs for recovery Yampa River Action Plan; I.A.1; ID fish habitat and flow needs.

VII. Accomplishment of FY 2014 Task and Deliverables: This year was a good snowpack year (~130% of normal) gage data was crucial for managing reservoir operations to try to avoid flooding..

VIII. Recommendations:

IX. Project Status: On track and ongoing. The gages are operational and the information is available from the Internet, Watertalk, and the USGS Water Resource paper for Colorado and Utah.

Budget for FY14, Project 8, Recovery Program Gages

Gage #	Funding source	Breakdown of USGS gaging costs									
		COLORADO	CWCB	UCREFR	COST	Labor	Admin	Facility	Equipment	Data Delivery	Vehicles
	Funds go to Colorado State Engineers Office Steamboat Springs				41%	25%	10%	10%	7%	5%	2%
	Williams Fork Creek near Craig	\$2,729	\$8,184	\$10,913	\$3,258	\$1,987	\$795	\$795	\$556	\$397	\$159
	Funds go to USGS Grand Junction*										
9260050	Yampa @ Deerlodge (Temps)		\$4,630	\$4,630	\$1,898	\$1,158	\$463	\$463	\$324	\$232	\$93
404417108524900	Green River above Gates of Lodore		\$4,630	\$4,630	\$1,898	\$1,158	\$463	\$463	\$324	\$232	\$93
9247600	Yampa River near Craig ¼ of O/M (Flow)		\$4,254	\$4,254	\$1,744	\$1,063	\$425	\$425	\$298	\$213	\$85
9106150	Colorado River near Palisade (Flow)		\$17,015	\$17,015	\$6,976	\$4,254	\$1,702	\$1,702	\$1,191	\$851	\$340
9244490	Yampa River above Elkhead Creek (Flow)		\$17,015	\$17,015	\$6,976	\$4,254	\$1,702	\$1,702	\$1,191	\$851	\$340
9260050	Yampa River at Deerlodge (Flow)		\$17,015	\$17,015	\$6,976	\$4,254	\$1,702	\$1,702	\$1,191	\$851	\$340
	Colorado Total	\$2,729	\$72,743	\$75,472							
UTAH											
		CUWCD	UCREFR	Total							
9314500	Price R.nr Woodside (Flow,Temp& Cond)		\$23,630	\$23,630	\$9,688	\$5,908	\$2,363	\$2,363	\$1,654	\$1,182	\$473
9272400	Green River at Ouray (Flow)		\$15,900	\$15,900	\$6,519	\$3,975	\$1,590	\$1,590	\$1,113	\$795	\$318
9261000	Green River nr Jensen (Temp only)		\$5,260	\$5,260	\$2,157	\$1,315	\$526	\$526	\$368	\$263	\$105
9295000	Duchesne River at Myton (Flow)	\$7,155	\$8,745	\$15,900	\$3,585	\$2,186	\$875	\$875	\$612	\$437	\$175
9295100	Duchesne R. above Uinta (Flow &Temp)	\$8,335	\$10,195	\$18,530	\$4,180	\$2,549	\$1,020	\$1,020	\$714	\$510	\$204
9302000	Duchesne R. nr Randlett (Flow, Temp& Cond)	\$7,155	\$8,745	\$15,900	\$3,585	\$2,186	\$875	\$875	\$612	\$437	\$175
9301500	Uinta River nr Randlett (Flow)	\$7,155	\$8,745	\$15,900	\$3,585	\$2,186	\$875	\$875	\$612	\$437	\$175
	TOTAL:	\$29,800	\$81,220	\$111,020							
	Subtotal UCREFRP FY 2014 (CO and UT)		\$153,963								

Colorado USGS gages

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Utah USGS Gages

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X. Budget

UCREFRP FY 2014 Cost	\$ 153,963
Wyoming Contribution	- <u>\$ 55,967</u>
Reclamation Contribution	\$ 97,996

XI. Status of Data Submissions: Not applicable.

XII. Signed: <u>Jana Mohrman</u>	<u>Oct 27, 2014</u>
Principle Investigator	Date

ANNUAL PERFORMANCE PROGRESS REPORT (PPR)

BUREAU OF RECLAMATION AGREEMENT NUMBERS:

USGS Contract: R12PG40019

End date: 9/30/16

UPPER COLORADO RIVER RECOVERY PROGRAM PROJECT NUMBER: 8

Project Title: Basin Wide Stream Gage Operation & Maintenance

Principal Investigator:

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Project/Grant Period: Period of performance: 2014 these gages are funded year round
and this activity is ongoing.

Performance: All partners are very helpful and this project ran smoothly in 2014.

USGS: both in Utah and Colorado the USGS runs all aforementioned stream gages year-round during all types of weather and flow conditions. The USGS is the nation's expert in collecting and reporting stream flow data.

ANNUAL PERFORMANCE PROGRESS REPORT (PPR)

BUREAU OF RECLAMATION AGREEMENT NUMBERS:

Colorado Contract: SEO R14AP40009 End date: 9/30/18

UPPER COLORADO RIVER RECOVERY PROGRAM PROJECT NUMBER: 8

Project Title: Basin Wide Stream Gage Operation & Maintenance

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Project/Grant Period: Period of performance: 2014 these gages are funded year round
and this activity is ongoing.

Performance: All partners are helpful and this project ran smoothly in 2014.

Colorado: CWCB pays for a third of the Williams Fork gage.

ANNUAL PERFORMANCE PROGRESS REPORT (PPR)

BUREAU OF RECLAMATION AGREEMENT NUMBERS:

Central Utah Contract R11AP40097

End date: 9/30/15

Central Utah WCD R11AP40097

UPPER COLORADO RIVER RECOVERY PROGRAM PROJECT NUMBER: 8

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Project/Grant Period: Period of performance: 2014 these gages are funded year round and this activity is ongoing.

Performance: All partners are helpful and this project ran smoothly in 2014.

Central Utah WCD provided \$29,800 in matching funds for Utah gage operations