

COLORADO RIVER RECOVERY PROGRAM
FY 2015 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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- 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

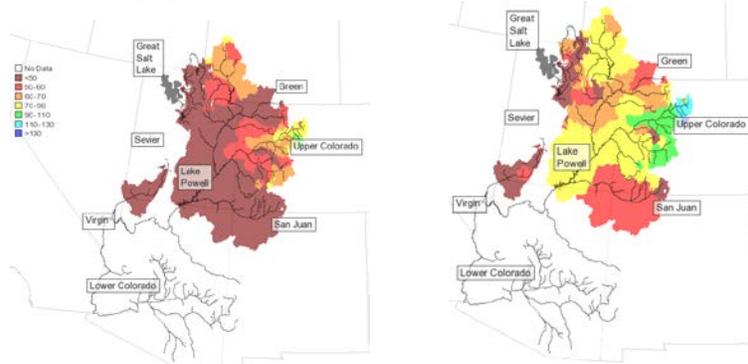
2014 was an above-average snowpack year. Real-time USGS streamflow data were critical in helping managers operate reservoirs to benefit fish habitat and simultaneously prevent flooding in the Colorado's Grand Valley area.

- 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 2015 Deliverables: This year “Miracle May” vastly improved runoff conditions, gage data was crucial for management of water resources.



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.

X. Budget

UCREFRP FY 2015 Cost	\$ 153,963
Wyoming Contribution	- \$ <u>55,967</u>
Reclamation Contribution	\$ 97,996

XI. Status of Data Submissions: Not applicable.

XII. Signed: Jana Mohrman
Principle Investigator

Nov 3, 2015
Date

Budget for FY15, Project 8, Recovery Program Gages

		Funding source			Breakdown of costs						
Gage #		CWCB	UCREFR	COST	Labor	Admin	Facility	Equipment	Data Delivery	Vehicles	Travel
	COLORADO										
	Funds go to Colorado State Engineers Office Steamboat Springs				41%	25%	10%	10%	7%	5%	2%
	Williams Fork Creek near Craig	\$2,810	\$8,430	\$11,240	\$3,456	\$2,108	\$843	\$843	\$590	\$422	\$169
	Funds go to USGS Grand Junction*										
9260050	Yampa @ Deerlodge (Temps)		\$4,769	\$4,769	\$1,955	\$1,192	\$477	\$477	\$334	\$238	\$95
4E+14	Green River above Gates of Lodore		\$4,769	\$4,769	\$1,955	\$1,192	\$477	\$477	\$334	\$238	\$95
9247600	Yampa River near Craig ¼ of O/M (Flow)		\$4,381	\$4,381	\$1,796	\$1,095	\$438	\$438	\$307	\$219	\$88
9106150	Colorado River near Palisade (Flow)		\$17,525	\$17,525	\$7,185	\$4,381	\$1,753	\$1,753	\$1,227	\$876	\$351
9244490	Yampa River above Elkhead Creek (Flow)		\$17,525	\$17,525	\$7,185	\$4,381	\$1,753	\$1,753	\$1,227	\$876	\$351
9260050	Yampa River at Deerlodge (Flow)		\$17,525	\$17,525	\$7,185	\$4,381	\$1,753	\$1,753	\$1,227	\$876	\$351
	Colorado Total	\$2,810	\$74,926	\$77,736							
	UTAH		UCREFR	COST							
9314500	Price R. nr Woodside (Flow, Temp & Cond)		\$24,221	\$24,221	\$9,931	\$6,055	\$2,422	\$2,422	\$1,695	\$1,211	\$484
9272400	Green River at Ouray (Flow)		\$16,298	\$16,298	\$6,682	\$4,074	\$1,630	\$1,630	\$1,141	\$815	\$326
9261000	Green River nr Jensen (Temp only)		\$5,392	\$5,392	\$2,211	\$1,348	\$539	\$539	\$377	\$270	\$108
9295000	Duchesne River at Myton (Flow)		\$16,298	\$16,298	\$6,682	\$4,074	\$1,630	\$1,630	\$1,141	\$815	\$326
9295100	Duchesne R. above Uinta (Flow & Temp)		\$18,993	\$18,993	\$7,787	\$4,748	\$1,899	\$1,899	\$1,330	\$950	\$380
9302000	Duchesne R. nr Randlett (Flow, Temp & Cond)		\$16,298	\$16,298	\$6,682	\$4,074	\$1,630	\$1,630	\$1,141	\$815	\$326
9301500	Uinta River nr Randlett (Flow)		\$16,298	\$16,298	\$6,682	\$4,074	\$1,630	\$1,630	\$1,141	\$815	\$326
	Utah Total		\$113,796	\$113,796							
	I UCREFR FY 2015 (CO and UT)		\$188,721								

Colorado USGS gages

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Utah USGS Gages

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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: 2015 these gages are funded year round and this activity is ongoing.

Performance: All partners are very helpful and this project ran smoothly in 2015.

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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and this activity is ongoing.

Performance: All partners are helpful and this project ran smoothly in 2015.

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

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 ended in 2014.