

COLORADO RIVER RECOVERY PROGRAM
FY 2019 ANNUAL PROJECT REPORT

RECOVERY PROGRAM
PROJECT NUMBER: C-9

- I. Project Title: O&M for Elkhead Release and Elkhead Lease
- II. Bureau of Reclamation Agreement Number(s): 05-WC-40-420
- Project/Grant Period: Start date: 02/17/05
End date: Ongoing
Reporting period end date: 09/30/19
Is this the final report? Yes _____ No XX
- III. Principal Investigator(s): Ray Tenney
Colorado River Water Conservation District
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IV. Abstract:

Operations

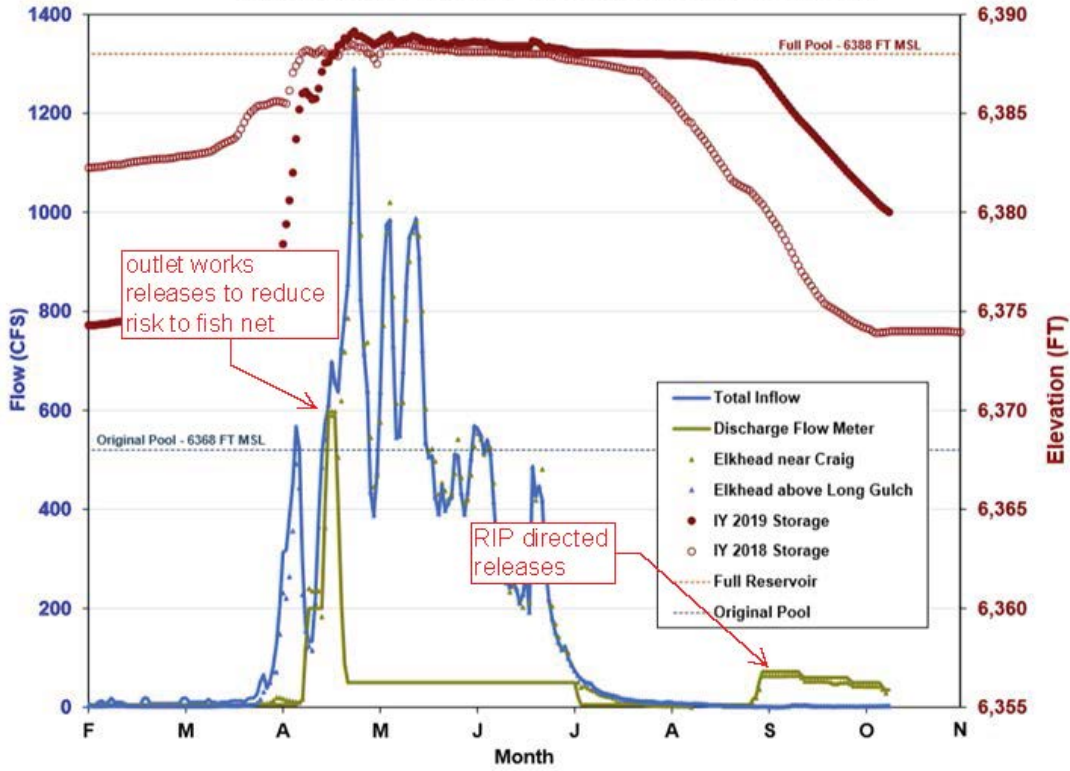
Elkhead Reservoir was operated in 2019 to release the Recovery Program's 5,000 acre feet of water through mid-October 2019. Charges for delivery operations will be included in the 2019 calendar year (2019 CY) invoice to the Recovery Program. Costs summarized below occurred during the Federal Fiscal Year 2019. Weekly coordination calls hosted by the USFWS Regional Hydrologist set the release rate for the upcoming week. Releases were generally made from mid-August through mid-October following the Maybell gage flows as shown in the figures below.

Repairs made in 2018 to the Malburg Pond revetment and the spillway concrete walls held up well in 2019. The City of Craig crews repaired guard rail damage on the dam crest road, saving engaging a contractor from the front range.

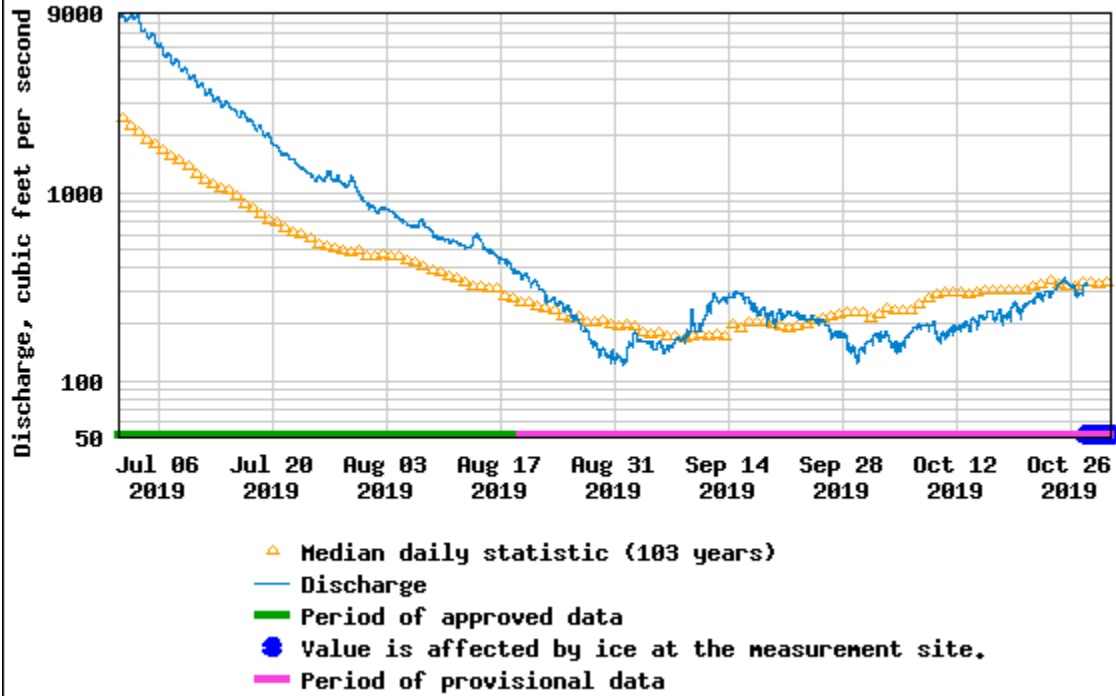
Wetlands monitoring was performed in September and the results suggest the project has achieved the mitigation requirements with the continued growth of the wetlands in the Elkhead Creek inlet area. Reports are being prepared to support the acceptance of the wetland mitigation for the enlargement and release of the ongoing monitoring requirement. As the wetlands are passively irrigated by the reservoir surface weed management will likely be the only ongoing operational expense related to mitigation.

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Elkhead Reservoir IY 2019 Flows and Elevation



USGS 09251000 YAMPA RIVER NEAR MAYBELL, CO



Graph courtesy of the U.S. Geological Survey

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- V. Study Schedule: Deliveries began in 2007 and will continue as requested.
- VI. Relationship to RIPRAP: Green River Action Plan: Yampa and Little Snake Rivers, I.B.2.a.(2)(b), Deliver water for endangered fish.
- VII. Accomplishment of FY 2019 Tasks and Deliverables, Discussion of Initial Findings and Shortcomings:

Reservoir operations were routine. No short comings. No unexpected maintenance issues.
- VIII. Additional noteworthy observations: None to report.
- IX. Recommendations:

Restoration of SCADA communication may be achieved in 2020 switching the system to cell phone based. The City of Craig staff is pursuing the purchase and installation of equipment to make this connection with the City's SCADA system..
- X. Project Status: On track and ongoing.
- XI. FY 2019 Budget Status
- A. Funds Provided: \$75,159.76
 - B. Funds Expended: \$75,159.76
 - C. Difference: 0
 - D. Percent of the FY 2019 work completed, and projected costs to complete: All work completed
 - E. Recovery Program funds spent for publication charges: 0
- XII. Status of Data Submission (Where applicable): N/A.
- XIII. Signed: _____ Date
Principal Investigator
(Just put name and date here, since you will be submitting the report electronically)

Appendix: Cost accounting spread sheet for Federal Fiscal 2019

Elkhead Reservoir Federal Fiscal Year 2019 Summary

C:\Don\Annual Reports 2019\2019Elkhead FFY OMR from RTenney Nov2019.xlsx\SSummary

	Totals	Entire Pool 24777 af	Enlargement Pool 11956 af	RIP Only	Non-Reimbursible Expenses
Weed Control	\$ 24,263.55	\$ 24,263.55	\$ -	\$ -	\$ -
Rec. Fees	\$ 15,000.00	\$ -	\$ 15,000.00	\$ -	\$ -
Electric X 0.40	\$ 5,113.00	\$ 2,045.20	\$ -	\$ 3,067.80	\$ -
Operating	\$ 70,185.61	\$ 24,740.47	\$ 45,445.14	\$ -	\$ -
Gauging	\$ 22,606.97	\$ 11,303.49	\$ 11,303.49	\$ -	\$ -
Labor	\$ 19,454.52	\$ 3,890.90	\$ 15,563.61	\$ (0.00)	\$ -
Management/Admin. Fee	\$ 15,662.36	\$ 6,624.36	\$ 8,731.22	\$ 306.78	\$ -
Subtotals	\$ 172,286.01	\$ 72,867.97	\$ 96,043.46	\$ 3,374.58	\$ -
City of Craig Expenses	50,441.25	19,313.75	31,127.50	-	-
Grand Totals	\$ 222,727.26	\$ 92,181.72	\$ 127,170.96	\$ 3,374.58	\$ -

URS

OM&R Labor

10/1/18 - 9/30/19 Craig's costs
(Per RT email 11/11/19)
Materials, Parts & Service = \$24,700.41
Trips & Mileage = \$2,900.00
Manpower = \$18,255.27
Admin 10% = \$4,585.57

Enter Craig's cost & add
10% Mgmt Fee FFY 2015
entered

FFY 2019 Prorated Costs Calculations

Partipants	af	%	%	Prorated Costs	Cost/af
**Yampa Participants	8408	33.93%		\$ 31,281.59	\$ 3.72
City of Craig	4413	17.81%		\$ 16,418.37	\$ 3.72
Recovery Program	5000	20.18%	41.82%	\$ 75,159.76	\$ 15.03
CO River District	6956	28.07%	58.18%	\$ 99,867.54	\$ 14.36
		100.00%		\$ 222,727.26	

Ray Tenney:
includes 50% of \$15000
payment to Parks + 1/3
other costs

includes 1/2 of the \$15000 payment to
parks + 2/3 of the other expenses

2019 Reconciliation Between CRWCD & Others

Partipants	Prorated Costs	Pmts/Credits	Balance	Agreement Carry Forward	Balance Due
**Yampa Participants	\$ 31,281.59	\$ -	\$ 31,281.59	\$ -	\$ 31,281.59
City of Craig	\$ 16,418.37	\$ 50,441.25	\$ (34,022.88)	\$ -	\$ (34,022.88)
Recovery Program	\$ 75,159.76	\$ -	\$ 75,159.76	\$ -	\$ 75,159.76
Totals	\$ 122,859.72	\$ 50,441.25	\$ 72,418.47	\$ -	\$ 72,418.47