



Red Creek Instream Flow Proposal



Red Creek - Water Division 4



1984 ISF Flat Rate 1.5 cfs (no seasonal variation)





Natural Environment

- Vibrant macro community
- Headwaters is an outstanding waters
- Brook, brown & rainbow trout
- Dillon herd Rocky Mountain sheep, migratory and resident mule deer and elk



R2Cross Assessment

Hydraulic Criteria

- 1 ft./sec Average Velocity
- 50% Wetted Perimeter
Average Depth

Flow Recommendations

- Flow recommendations meet
3 of 3 hydraulic criteria



Preliminary ISF Rates

Cross Section (Date)	Measured Discharge (cfs)	Bankfull Top Width (ft)	Winter Flow Recommendation ¹ (cfs)	Summer Flow Recommendation ² (cfs)
Red Creek #2 (6-12-2023)	7.46 cfs	14.2 ft	2.71 cfs	2.86 cfs
Red Creek #3 (6-12-2023)	7.46 cfs	15.5 ft	1.31 cfs	5.13 cfs
Preliminary Proposed ISF Rates:			2.0 cfs	4.0 cfs

1. The proposed dates for the winter flow rate are November 1 through March 31.
2. The proposed dates for the summer flow recommendation are April 1 through October 31.



Water Availability



Physical Availability

- R2Cross
- No gage data readily available
- CSUflow18 modeling program

Legal Availability

- No active diversions; historical Carpenter Ditch



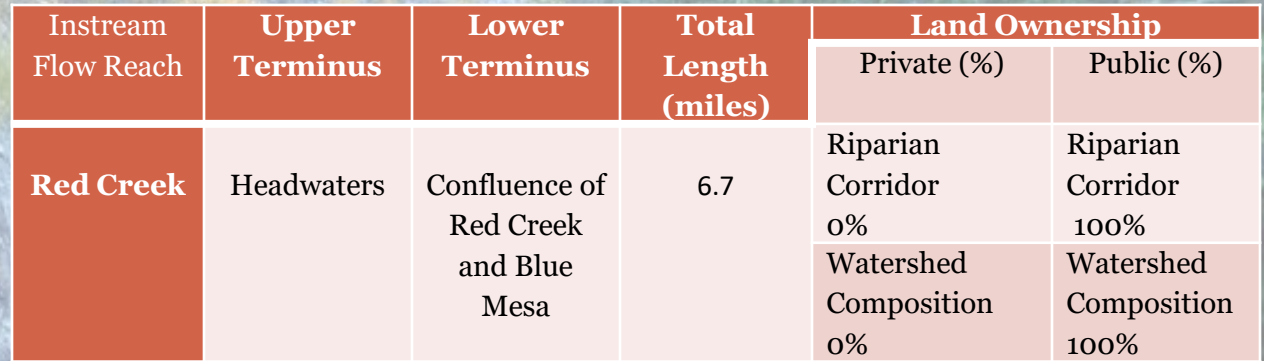
Stakeholders

**Bureau of Land
Management**

Gunnison County

**The Upper
Gunnison River
Water
Conservancy
District**

**Colorado Parks
and Wildlife**



Instream Flow Reach	Upper Terminus	Lower Terminus	Total Length (miles)	Land Ownership	
				Private (%)	Public (%)
Red Creek	Headwaters	Confluence of Red Creek and Blue Mesa	6.7	Riparian Corridor 0%	Riparian Corridor 100%
				Watershed Composition 0%	Watershed Composition 100%



Questions?

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