



2024 Instream Flow Proposals





Water Division 4

Canyon Creek





Natural Environment

- No existing ISF right
- Brook and brown trout fishery documented by CPW (fish observed during cross section)
- Colorado Natural Heritage Program Level 4 Potential Conservation Area for unique riparian community; Thinleaf Alder/Mesic Forb Riparian Shrubland community and mesic forbs wet shrubland and montane wet meadows



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)	Flow Recommendation to meet 2 of 3 Criteria (cfs) ^{2,3}	Flow Recommendation to meet 3 of 3 Criteria (cfs) ⁴
Canyon Creek #1	29.2	16.95	1.44	4.57
(6-22-23)				
Canyon Creek #1	3.27	16.43	2.39	4.18
(9-14-23)				
Canyon Creek #2 (9-14-23)	3.39	13.34	0.59	4.88
Average:			1.5	4.5

Water Availability



Physical Availability

- R2Cross
- No gage data available
- CSUflow18 modeling program

Legal Availability

- No diversions



Stakeholders

**US Forest
Service**

Gunnison County

**The Upper
Gunnison River
Water
Conservancy
District**

Instream Flow Reach	Upper Terminus	Lower Terminus	Total Length (miles)	Land Ownership	
				Private (%)	Public (%)
Canyon Creek	Headwaters	Confluence of Tomichi Creek and Canyon Creek	8.6	Riparian Corridor 0.2%	Riparian Corridor 99.8%
				Watershed Composition 0.2%	Watershed Composition 99.8%



Water Division 4

Cabin Creek



Instream Flow

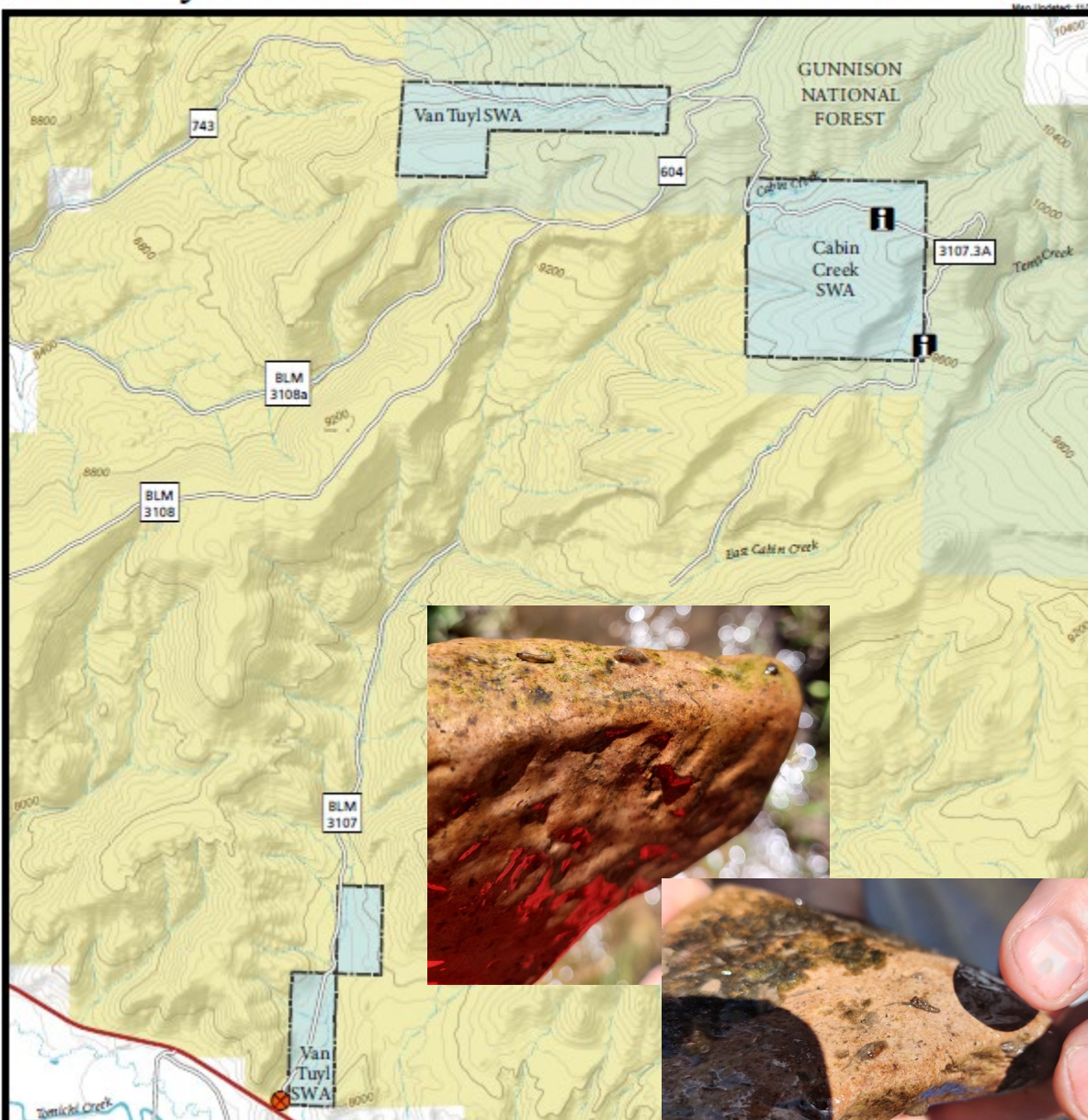
No existing CWCB ISF
right on Cabin Creek



Van Tuyl & Cabin Creek State Wildlife Areas

Natural Environment

- No existing instream flow right on Cabin Creek
- Cabin Creek supports the Cabin Creek and Van Tuyl State Wildlife areas
- Diverse riparian area and macro community
- Historic beaver complexes



Preliminary ISF Rates



Cross Section (Date & Location)	Measured Discharge (cfs)	Bankfull Top Width ¹ (ft)	Flow Recommendation (cfs) to meet 2 of 3 Criteria (cfs) ^{2,3}	Summer Flow Recommendation to meet 3 of 3 Criteria (cfs)
Cabin Creek #1 (6-21-23)	0.32	5.16	0.39	1.1 ⁵
Cabin Creek #2 (6-21-23)	0.32	4.57	0.25	0.98
Average:			0.32	1.1

Water Availability



Physical

- CSUFlow18 Model
- R2Cross

Legal

- Van Tuyl Ditches 1 & 2 (0.4cfs;1.2 cfs 2009)
- Cabin Creek 0.65 cfs; 3.35cfs 1877)
- Springs scattered throughout the basin



Stakeholders

Colorado Parks
and Wildlife

Bureau of Land
Management

United States
Forest Service

Gunnison County

The Upper
Gunnison River
Water
Conservancy
District

Instream Flow Reach	Upper Terminus	Lower Terminus	Total Length (miles)	Land Ownership	
				Private (%)	Public (%)
Cabin Creek	Headwaters	Cabin Creek Ditch	7.9	Riparian Corridor 0%	Riparian Corridor 100%
				Watershed Composition 0%	Watershed Composition 100%

Questions?



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