2016 Instream Flow Proposals

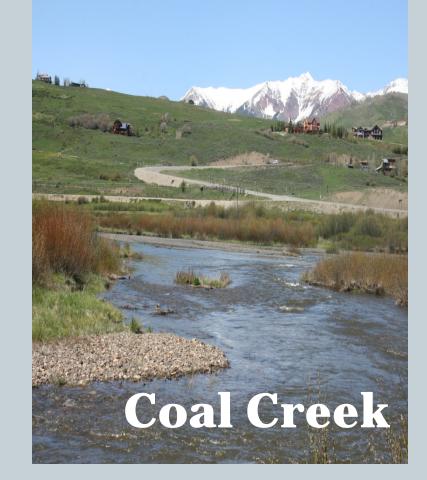
AMERICAN RIVERS & HIGH COUNTRY CONSERVATION ADVOCATES

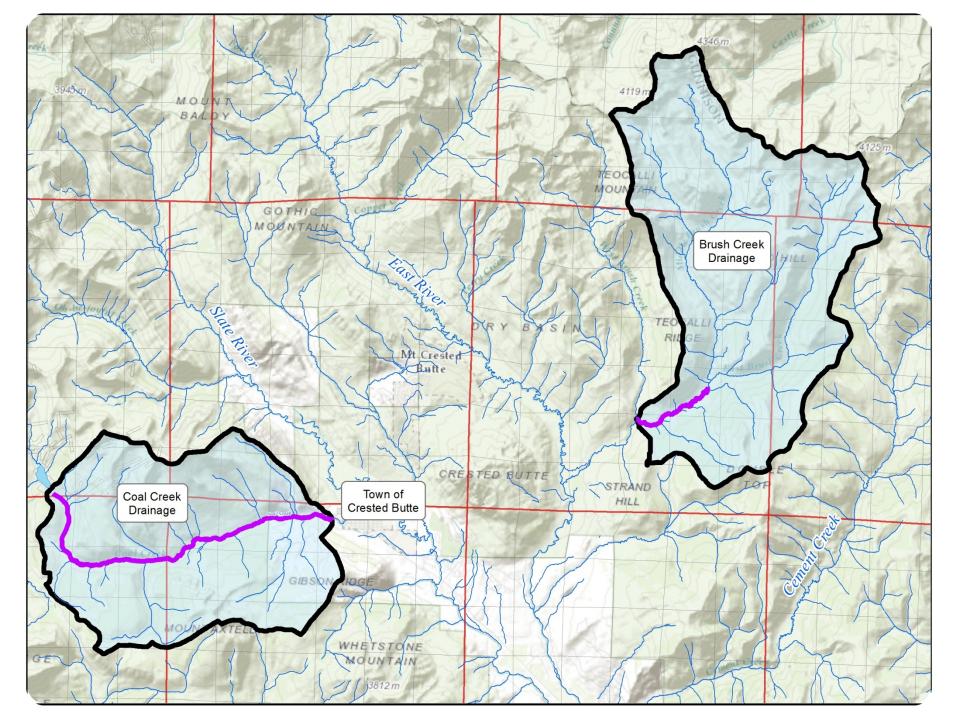
Streams in Water Division 4

Brush Creek Coal Creek

2016 Recommendation Emphasis

New, junior ISF enlargements on creeks with existing, decreed ISF rights to more fully "preserve the natural environment to a reasonable degree" by current R2Cross standards and criteria





Natural Environment

Cutthroat fishery
Healthy riparian area featuring willows

Brush Creek



Existing ISF Water Right

- -Case Number 4-83CW236
- 8 cfs summer
- 5 cfs winter
- Appropriated 6/3/1982

Brush Creek



Stakeholders

US Forest Service Colorado Parks & Wildlife Gunnison County Water rights owners **The Upper Gunnison River Water Conservancy District Local guiding businesses**

Natural Environment

- Healthy brook and brown trout fishery

- Riparian community with willows and alders



Existing ISF Water Right

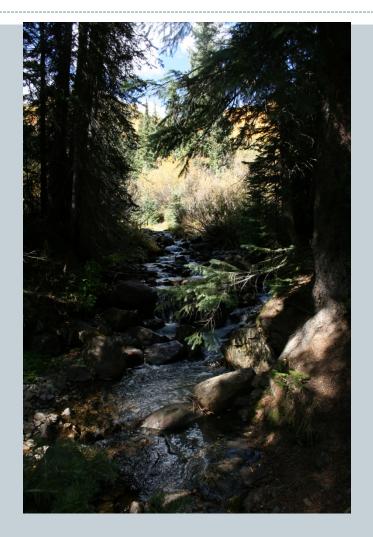
-Case Number
4-80CW102
2 cfs year round
- Appropriated
3/17/1980



Coal Creek

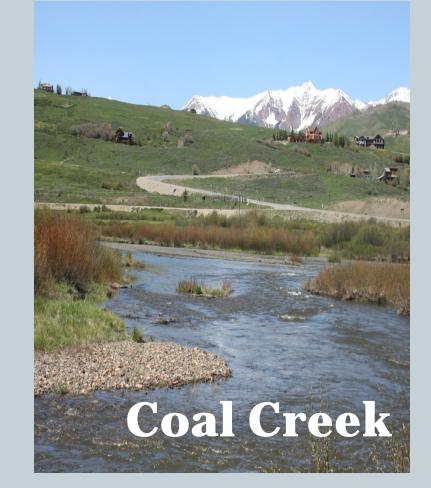
Stakeholders

- **o** US Forest Service
- Bureau of Land Management
- Gunnison County
- Town of Crested Butte
- Water rights owners in the Coal Creek watershed
- Upper Gunnison River Water Conservancy District



2016 Recommendation Emphasis

New, junior ISF enlargements on creeks with existing, decreed ISF rights to more fully "preserve the natural environment to a reasonable degree" by current R2Cross standards and criteria



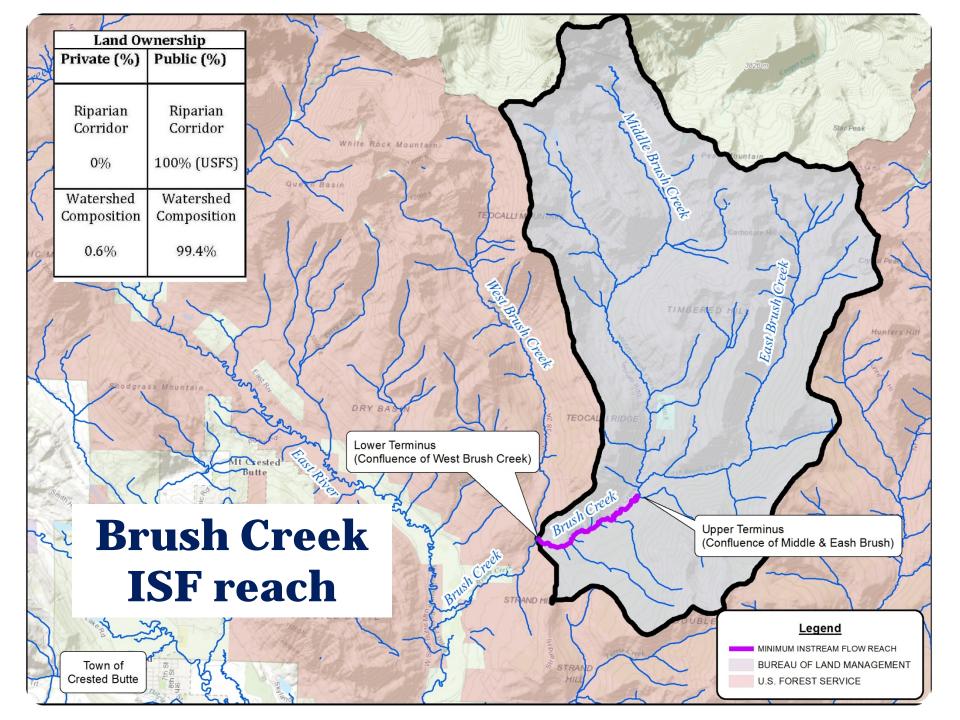
Current R2Cross Criteria

Hydraulic Criteria

- 1 ft/sec Average Velocity
- 50% Wetted Perimeter
- Average Depth 1% of Top Width

Flow Recommendations

- Summer flow meets all 3 hydraulic criteria
- Winter flow meets 2 of 3 hydraulic criteria



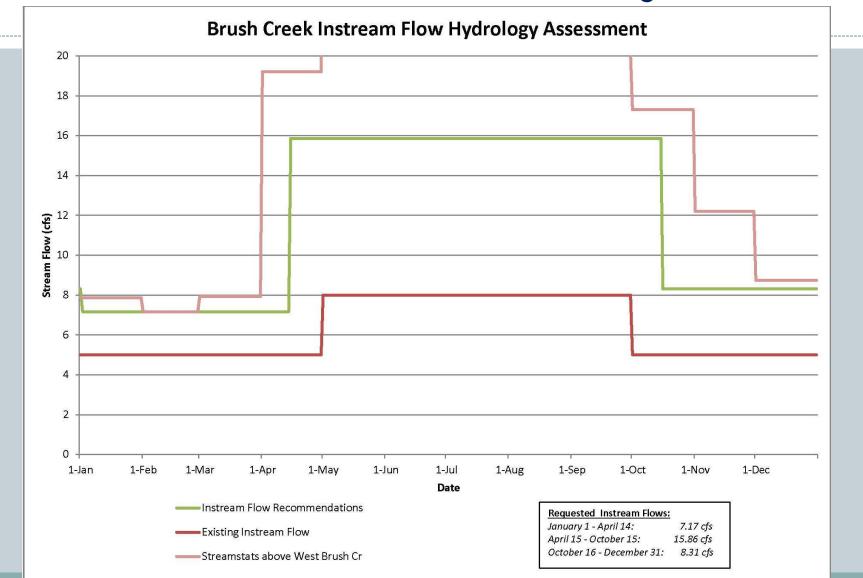
Brush Creek

Water Availability

- Tributaries are headwaters streams
- Middle Brush Creek originates in the Maroon Bells-Snowmass Wilderness Area
- East Brush originates on USFS lands
- No gage data available data

East Brush Creek

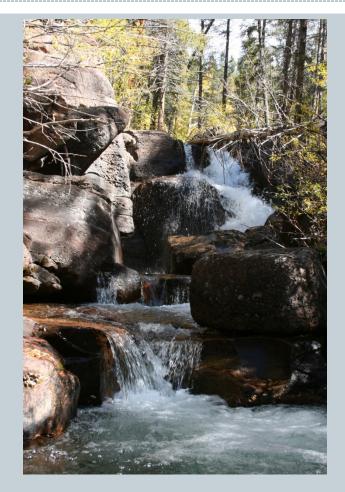
Water Availability



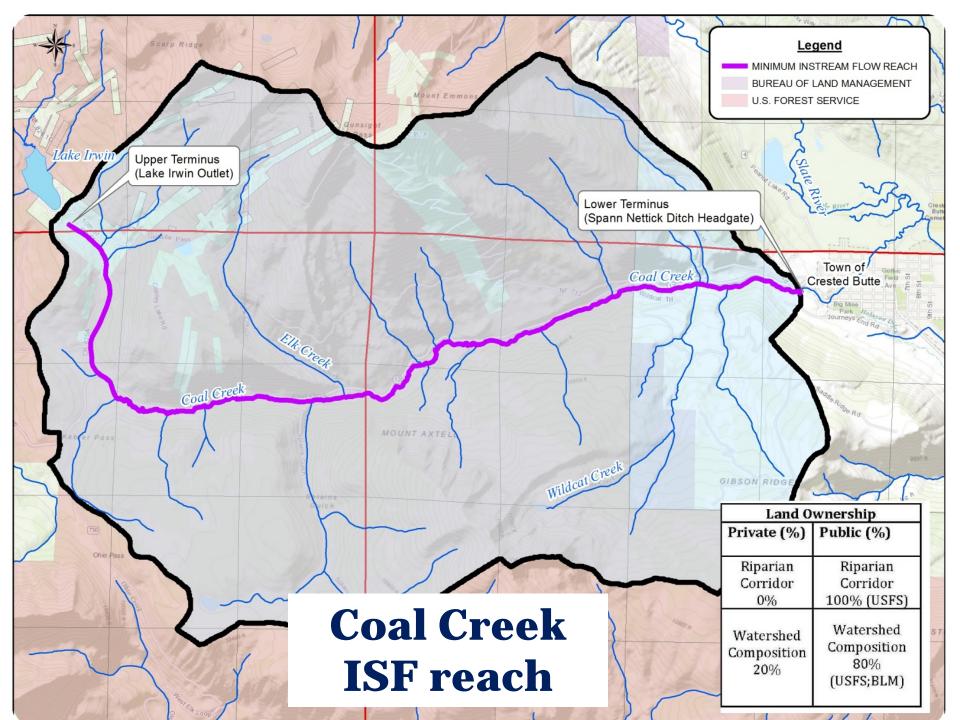
Brush Creek

Proposed ISF rates

Apr. 15th- Oct. 15th
 × 15.86 cfs
 Oct. 16th- Jan. 1st
 × 8.31 cfs
 Jan. 1st- Apr. 14th
 × 7.17 cfs



East Brush Creek

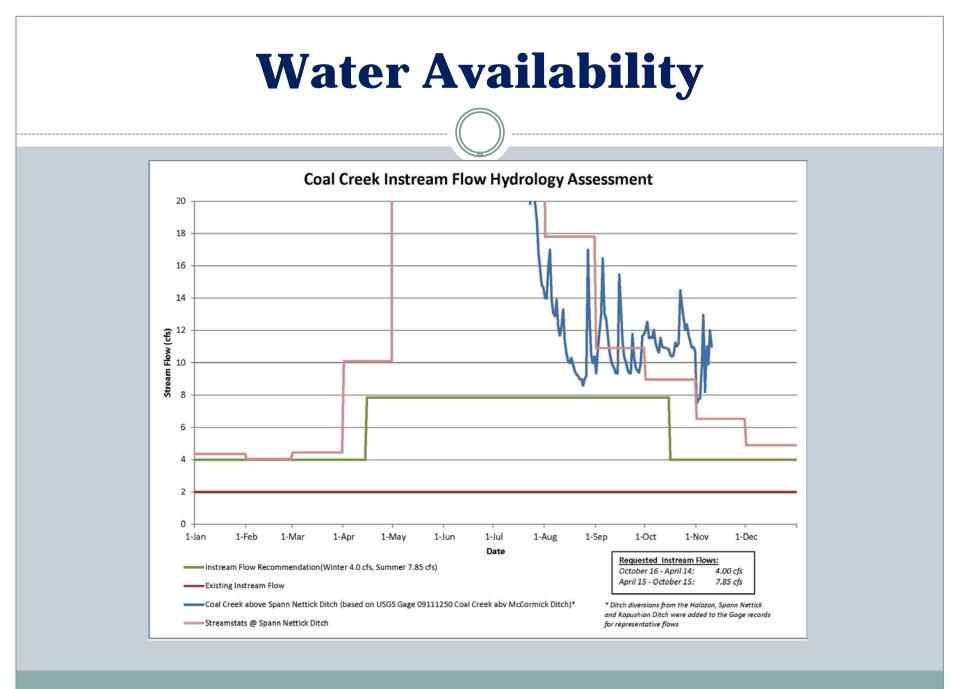


Water Availability



- Headwaters stream
- Originates on USFS lands

 Some gage data available data but short period of record



Proposed ISF rates

Apr. 15- Oct. 15 7.85 cfs

Oct. 16⁻ Apr. 14 4 cfs



Self-serving photo of big rainbow I caught ©

