

2017 Instream Flow Proposal



**HIGH COUNTRY CONSERVATION
ADVOCATES**

&

WESTERN RESOURCE ADVOCATES

← DUTCHMAN CR. TR. NO. 490 →
JCT. HICKS GULCH TR. NO. 492 1/2 →

2017 Recommendation Emphasis



Creeks without existing ISF rights to “preserve the natural environment to a reasonable degree” by current R2CROSS standards



Water Division 4



**No existing
ISF protection**



Dutchman Creek

Dutchman Creek Watershed



Dutchman Creek Preliminary Instream Flow Proposal
Saguache County, Colorado

Map prepared for HCCA- Dutchman Creek ISF Proposal

- Water Diversions
- Dutchman Creek Watershed

0 200 400 Feet



Natural Environment

- Fishery
- Healthy riparian area featuring alders and willows

Dutchman Creek



Current R2CROSS Criteria



Hydraulic Criteria

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

Flow Recommendations

- Winter flow meets 2 of 3 hydraulic criteria
- Spring 2017 R2CROSS to obtain revised summer recommendations



Dutchman Creek

Proposed ISF rates

Summer (Apr. 15- Oct. 15)

TBD

Winter (Oct. 16- Apr. 14)

.47 cfs

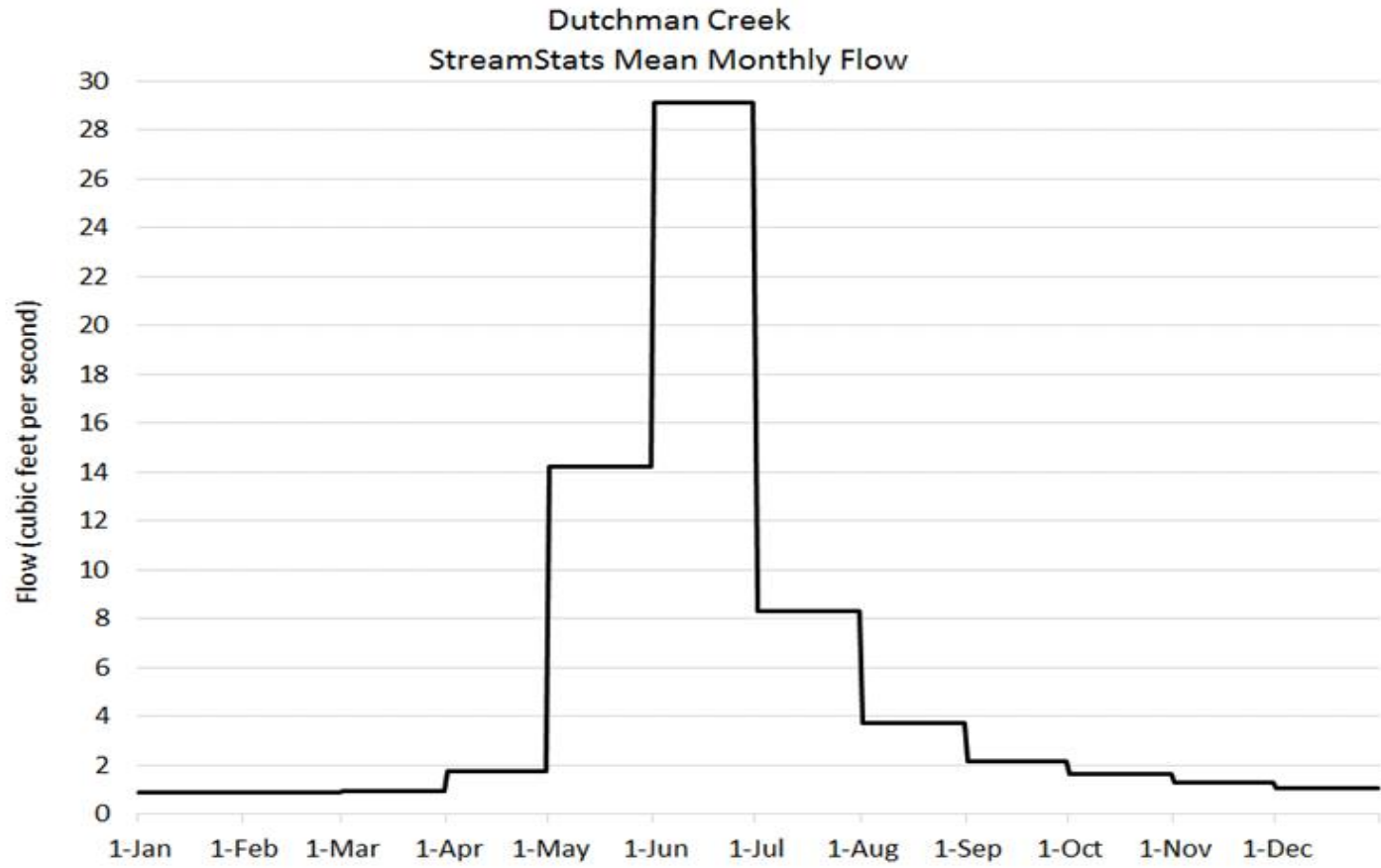


Water Availability



- Headwaters stream
- Originates on USFS lands
- No gage data available
- No diversions on creek

Water Availability





Stakeholders

**US Forest
Service**

**Colorado Parks &
Wildlife**

Saguache County

**Water rights
owners**

**The Upper
Gunnison River
Water
Conservancy
District**

Upper Terminus	Lower Terminus	Total Length (miles)	Land Ownership	
			Private (%)	Public (%)
Headwaters	Confluence with Owens Creek.	Approx. 7 miles	Riparian Corridor 5%	Riparian Corridor 95% USFS
			Watershed Composition 5%	Watershed Composition 95% USFS

