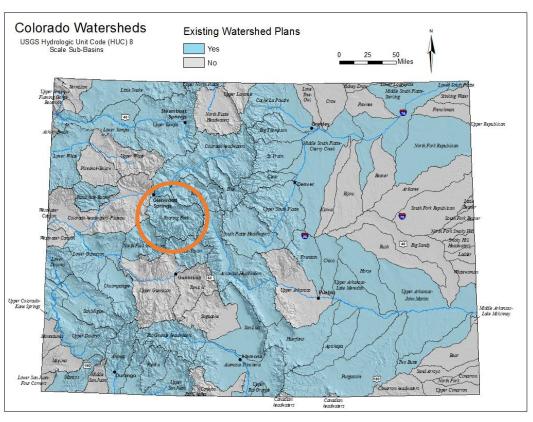


The Roaring Fork and Fryingpan Watersheds



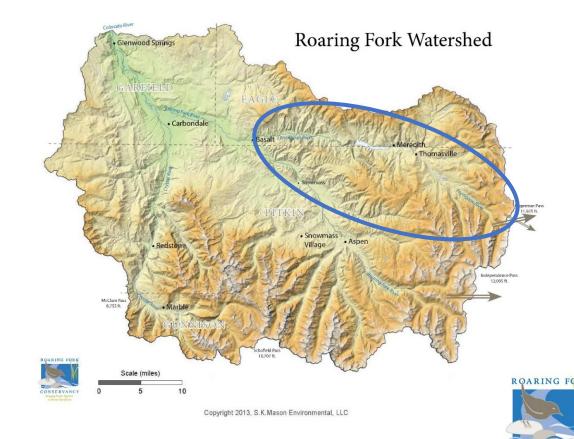


Image: CWCB

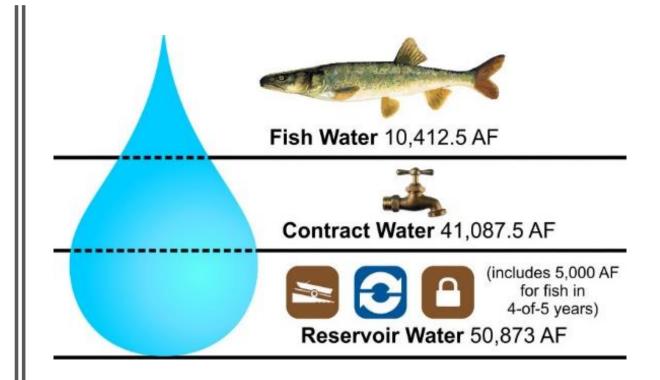






Ruedi Reservoir: History





Ruedi Reservoir: Present



Ownership of Ruedi Reservoir Water

Contract Water

12,000 AF Ute Water Conservancy District 11,413.5 AF Colorado River District (500, 530, 700, 4,683.5, 6,000 AF Exxon Mobil Corp. 2,000 AF Colorado River District (tied to fish water)
1,790 AF Basalt Water Conservancy District (300, 490, 500, 1,250 AF Battlement Mesa Metropolitan District
600 AF West Divide Water Conservancy District (100, 500)
550 AF City of Rifle (200, 350)
500 AF Town of Basalt (200, 300)
500 AF City of Glenwood Springs
500 AF Snowmass Water and Sanitation District
500 AF Town of Carbondale (250, 250)
400 AF Mid-Valley Metropolitan District (100, 300) 400 AF City of Aspen 400 AF Town of New Castle 400 AF Garfield County 330 AF Summit County
330 AF Town of Silt (83, 217)
200 AF Town of Palisade
185 AF Ruedi Water and Power Authority
150 AF Wildcat Ranch Association (50, 100)
140 AF Wildcat Reservoir Company
125 AF Town of DeBeque (25, 100)
100 AF Crown Mountain Park and Recreation District 100 AF W/J Metropolitan District 75 AF Town of Parachute 43 AF Starwood Water District 35 AF Thomas Bailey 30 AF Elk Wallow Ranch LLC 21 AF Owl Creek Meadows 20 AF Westbank Ranch Homeowners Association 15 AF Owl Creek Ranch Homeowners Association 15 AF Ted and Hilda Vaughan

Subtotal: 41,087.5 AF

Fish Water

5,000 AF Colorado Water Conservation Board, for 15-mile reach 5,412.5 AF Colorado River District, for 15-mile reach

Subtotal: 10,412.5 AF

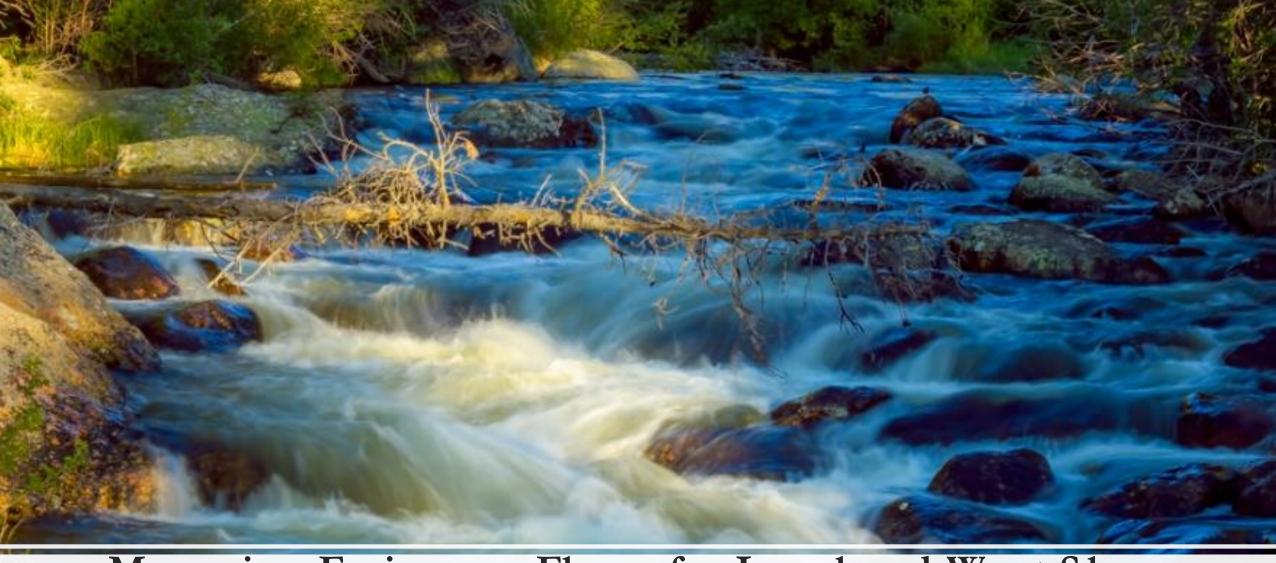
Reservoir Water

28,000 AF replacement pool 21,778 AF recreation and remaining regulatory pool 1,032 AF inactive pool 63 AF dead pool

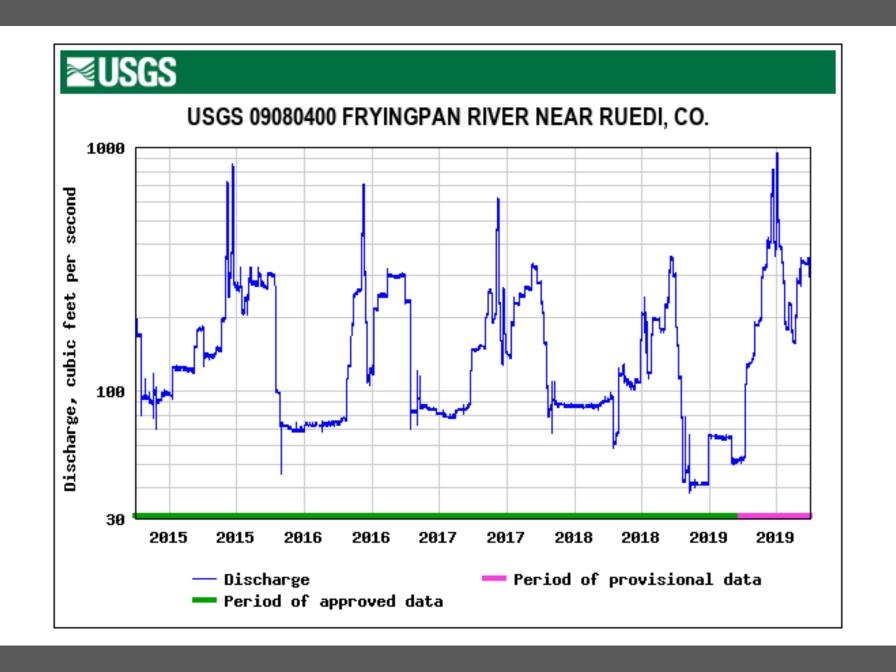
Subtotal: 50,873 AF

Total Water: 102,373 AF





Managing Fryingpan Flows for Local and West Slope Needs





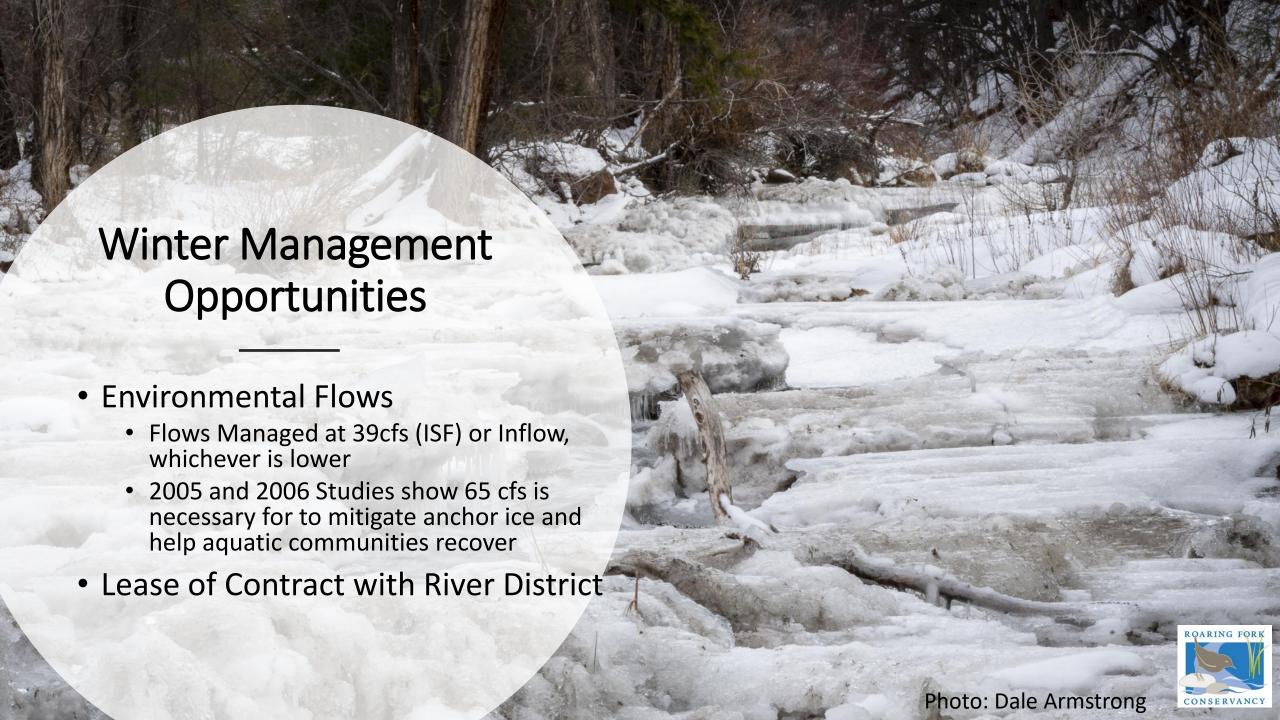


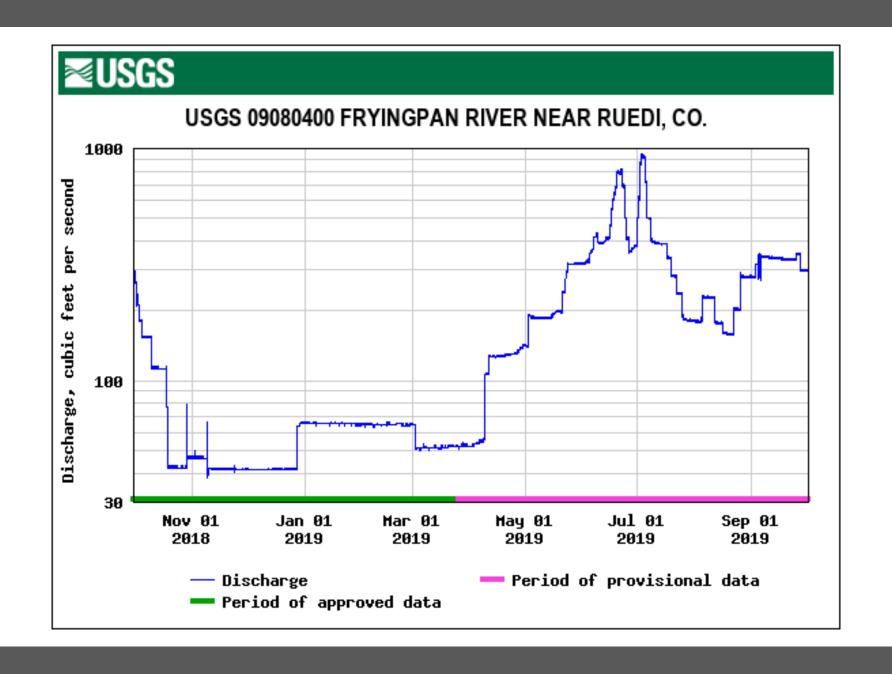


- Environmental Concern:
 Anchor Ice
 - Impact to Aquatic Life
 - Economic Impact \$1.8 million
- Other Concerns: Hydropower
- Low flows could damage infrastructure







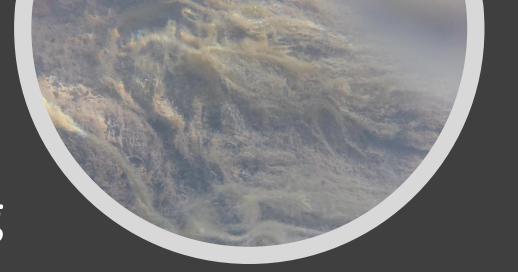




December 18, 2018

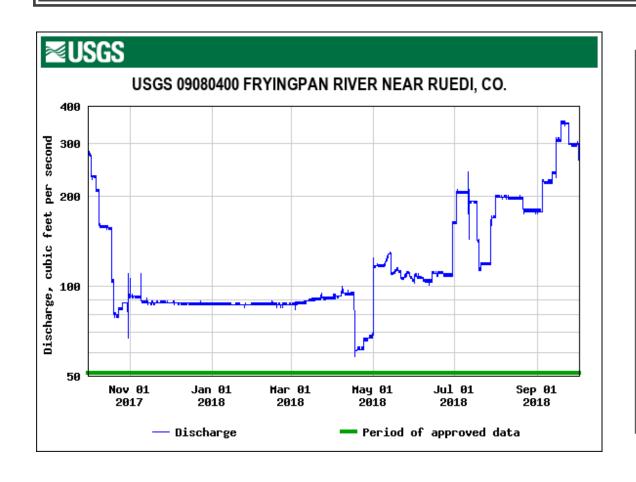
Fryingpan Flows: Spring

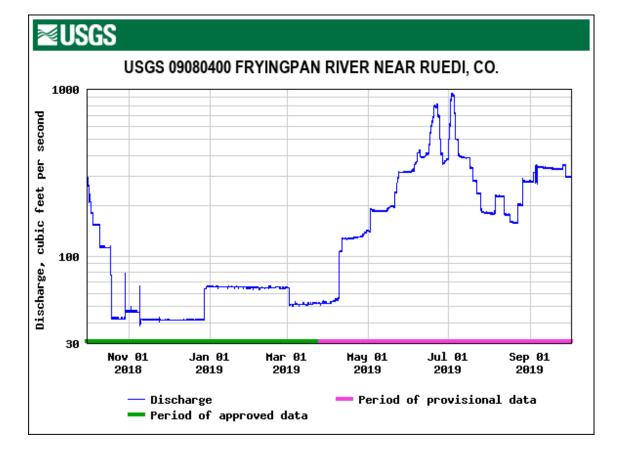
- Environmental Concern: Lack of Peak Flows
 - Didymo
 - Sediment



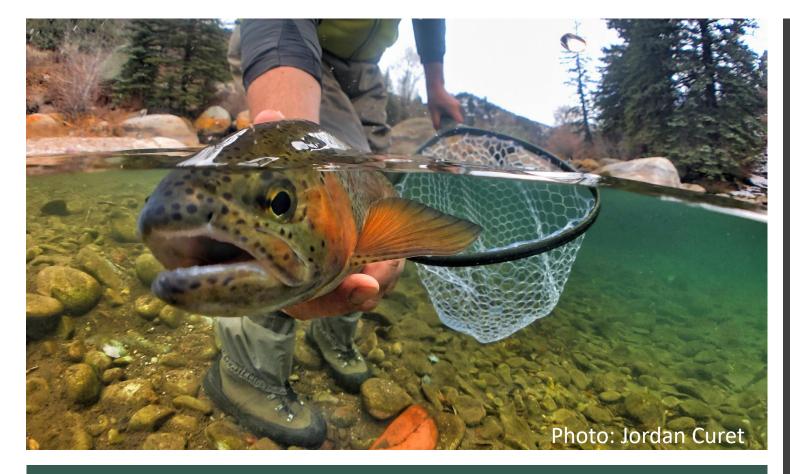


High and Low Flow Variability









Summer Flows

Environmental Concern:
Temperature on the Roaring
Fork

Economic Concern: Angling

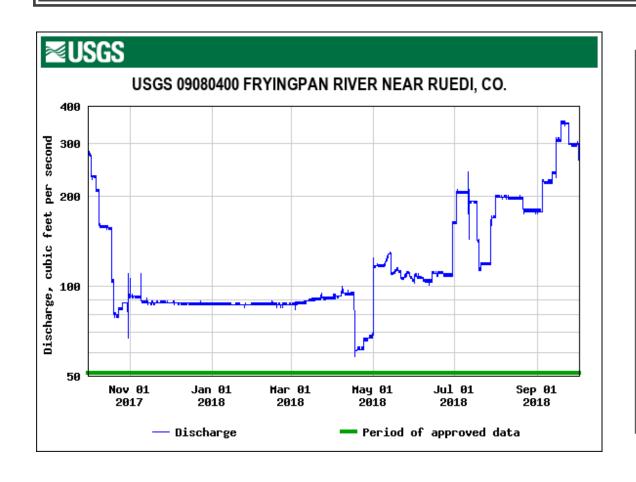
• \$3.8 Million Annually

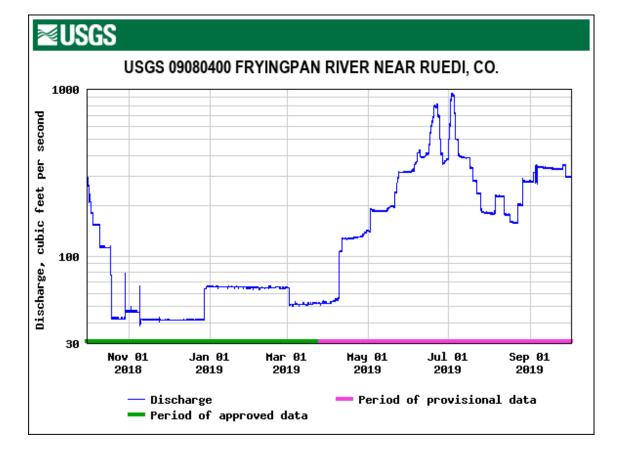
• Ideal flow: 250cfs

Other Concerns: Hydropower

• Ideal flow: 300cfs

High and Low Flow Variability





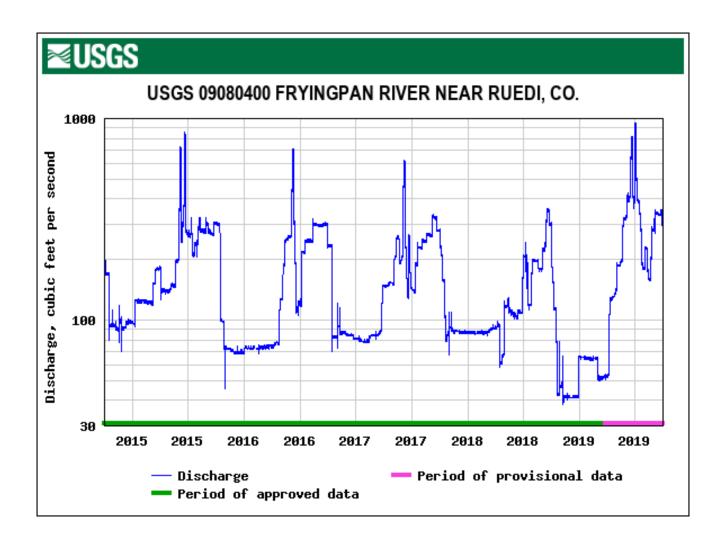
Fall Flows

Environmental Concern: Artificially high flows

Economic Concern: Angling









Other Management: Lake Christine Fire



Other Management: Temperature



Other Management: Irrigation Leases



Creative Management at Ruedi

- Releases from Ruedi have the potential to benefit 3 rivers simultaneously
- We need to better understand the environmental impacts of both low and high flows on the Fryingpan

