Instream Blow Segments

In the

Wind/Bighorn Basin

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Vyoming Game and Fish Department



WGFD Mission:

"Conserving Wildlife -Serving People"

Fish Division Mission

"As stewards of Wyoming's aquatic resources, we are committed to conservation and enhancement of all aquatic wildlife and their habitats for future generations through scientific resource management and informed public participation. We will use an integrated program of protection, regulation, propagation, restoration, and control to provide diverse, quality fisheries resources and angling opportunities. Our efforts will balance the productive capacity of habitats with public desires

Our Charge...

- "...report...those segments of stream which ...have the most critical need for instream flows" (from 41-3-1003(b))
- We have interpreted this to mean "important" sport fisheries like the Wind River
- More recently, native trout fisheries Yellowstone, Bonneville and Colorado River Cutthroat trout.

Instream Flow Water Right Process



Instream Flow Water Right Process

Game and Fish (89 IF applications since '86, recently submitted 5 for

Greybull basin streams)

Water Development

State Engineer

26 approved63 await decisions

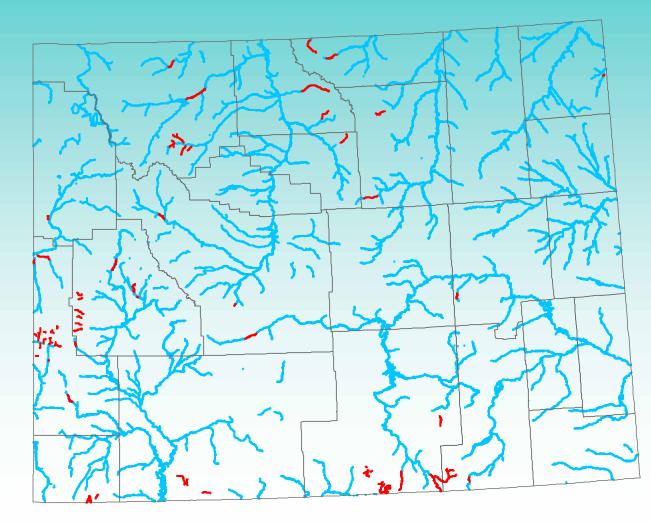
Public Hearing

4 adjudicated

State Engineer Decision

Board of Control Adjudication

Instream Flow Filings

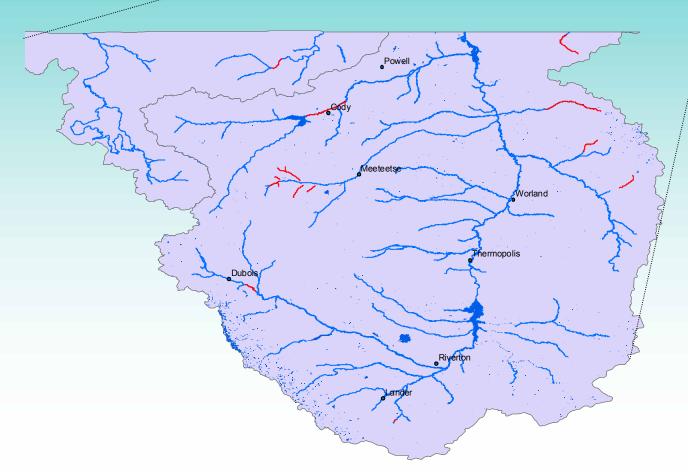


92 filings on 91
segments covering
426 miles

Segments rangefrom 0.1 to 22.3miles in length

Priority datesrange from 1986 toFebruary 2004

Bighorn Basin Instream Flow Filings



18 filings for101 miles

Segments rangefrom 1.4 to 15.1miles in length

Priority datesrange from 1986 toFebruary 2004

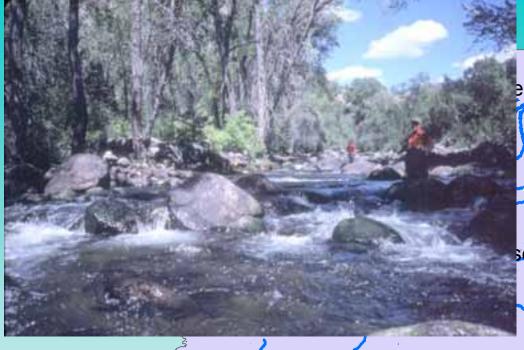


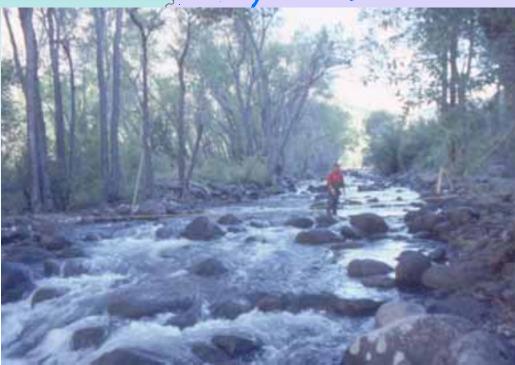
Clarks Fork

- •The first IF segment
- •1986 priority date, issued in 1988 for 220 cfs year around.
- •5.8 miles

•Overlaps Wild and Scenic segment

Mixed trout fishery of Brook, Rainbow,
Yellowstone Cutthroat
Trout and Mountain
Whitefish





Tensleep Creek

Worland

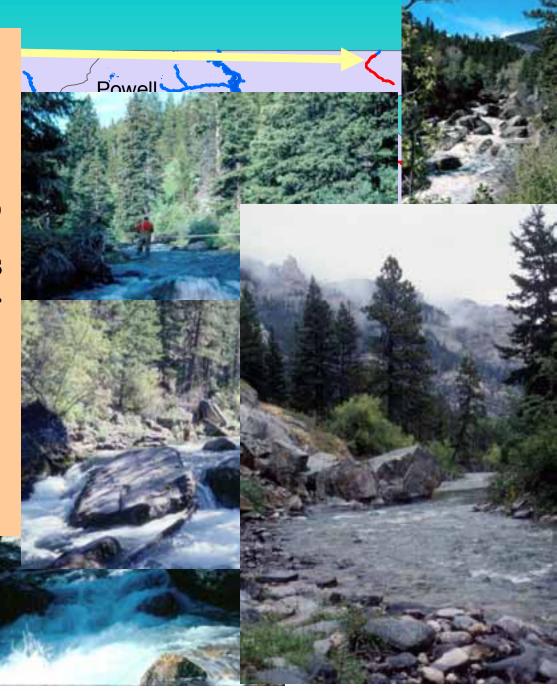
•1987 priority date, issued in 1991 for 22 cfs year around.

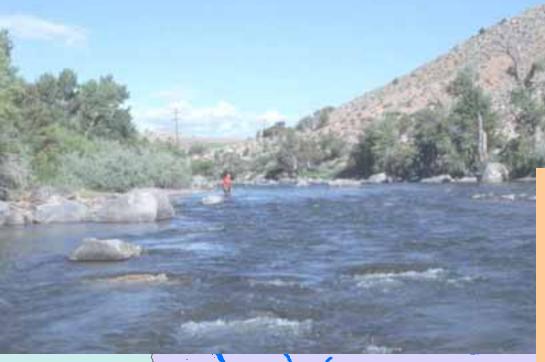
•7.9 miles

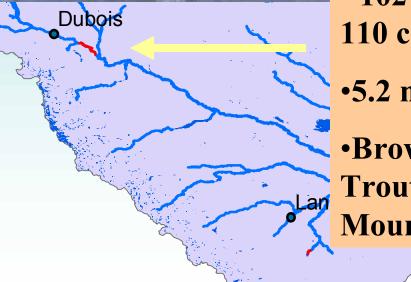
•Mixed trout fishery of Brook, Brown, and Rainbow Trout and Mountain Whitefish

Little Bighorn River

- •1989 priority date, issued in 1996
- •4.4 miles; FS boundary up
- •60 cfs Oct 1-Nov 15; 50 cfs Nov 16-Mar 30, 60 cfs Apr 1-Jun 30, 62 cfs Jul 1-Sep 30
- •Brown Trout, Rainbow Trout, Cutthroat Trout, Mountain Whitefish







Wind River

•1989 priority date, issued in 1997

- 102 cfs Oct 1 Jun 30; 110 cfs Jul 1 – Sep 30
- •5.2 miles

•Brown Trout, Rainbow, **Trout, Cutthroat Trout and Mountain Whitefish**

Medicine Lodge Creek

- •1990 priority date
- Not issued
- •15 cfs Oct 1 Nov 30
- •9 cfs Dec 1 Jun 30
- •20 cfs Jul 1 Sep 30
- •7.5 miles

•Brown Trout, Rainbow Trout, Mountain Whitefish



Shoshone River

Pow •1991 priority date for 162 to 350 cfs.

•No permit

nder

Meeteel •15.1 mile segment from **Buffalo Bill downstream to Corbett Diversion**

> •Wild Brown Trout, stocked Yellowstone **Cutthroat Trout and some Rainbow Trout.**

Shell Creek #1 & #2

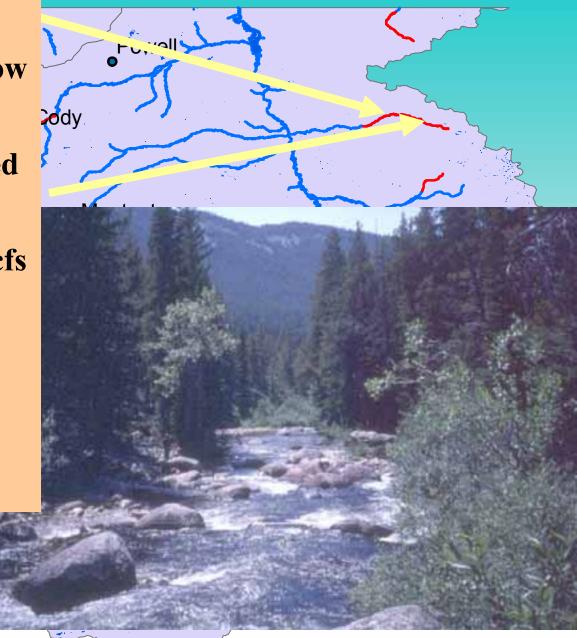
•Segments above and below Shell Falls – 16.6 miles

•1993 priority dates, issued in 1999.

•<u>Upper:</u> 19cfs winter, 70 cfs spring, 40 cfs summer

•<u>Lower:</u> 23 cfs winterspring, 40 cfs summer

•Brown Trout, Rainbow Trout



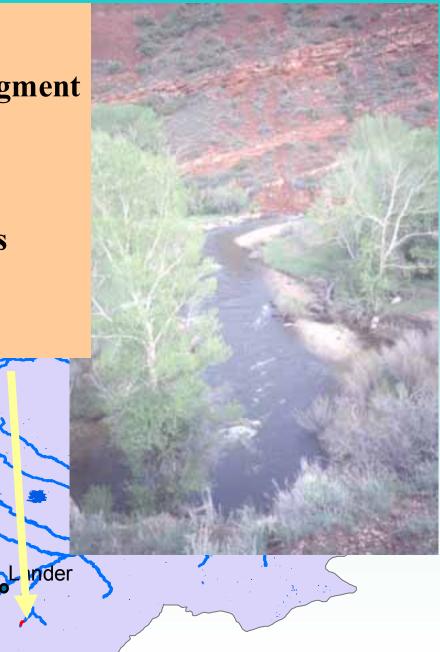
Little Popo Agie River

•1993 priority date for 1.4 mile segment on Public Fishing Access area.

Not issued

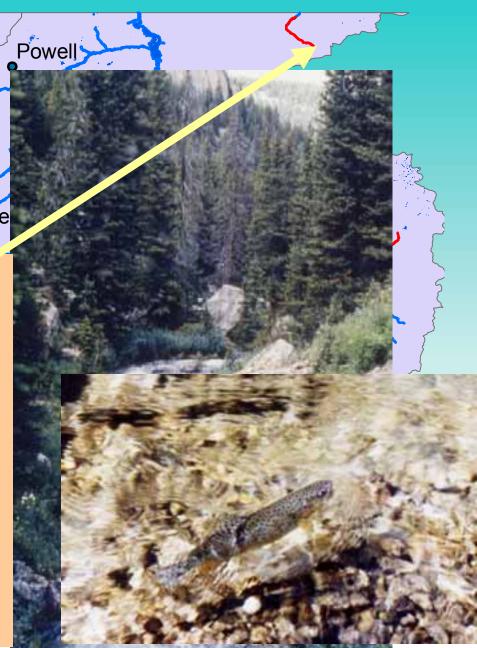
•21 cfs winter, 30 cfs spring, 45 cfs summer

• Brown Trout, Rainbow Trout





- •2000 priority date for 7.4 mile segment
- •Not issued
- •20 cfs winter, 25 cfs spring, 25 cfs summer
- Cutthroat Trout, Brook Trout, Rainbow Trout





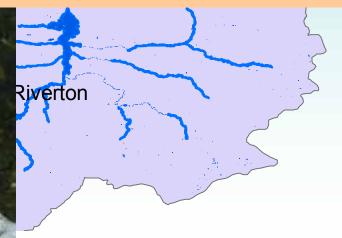
8 Upper Greybull River Segments

•2003 and 2004 priority dates

Meet •Not issued

•29 miles total, all on public land.

• Yellowstone Cutthroat Trout



















Future Instream Flow Segments

- Continue targeting YSC streams on National Forest with healthy habitat and populations.
- Also consider segments for "at risk" populations.
- Attempt to dovetail with restoration efforts
- <u>2004:</u> small tributaries to N.Fk. and S.Fk. Shoshone Rivers
- <u>2005 and beyond:</u> Clarks Fork drainage and Bighorn Mountains.

FLOW MONITORING WGF collects stream flow data to show availability of requested IF amounts, help the WWDC determine feasibility, help the SEO make permit decisions, and help the

BOC adjudicate the permits.

Greybull R. @ Pitchfork

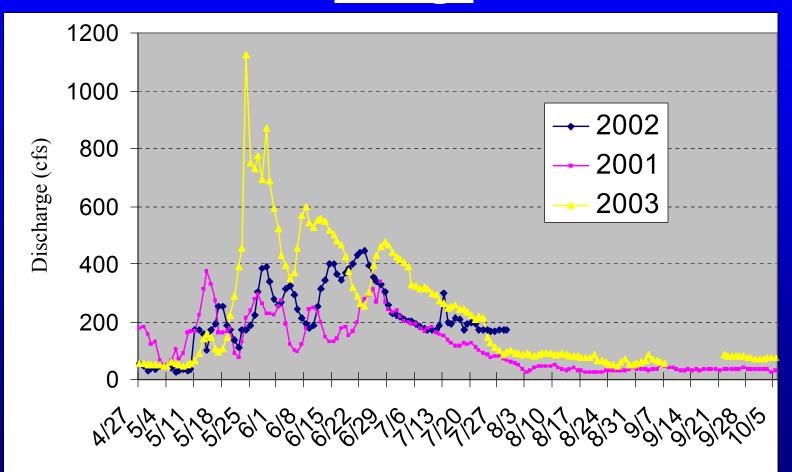
Wood R., Forest boundary

Wood R., above M. Fk.



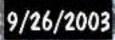
6/3/2002

Greybull River Flows at Pitchfork Bridge



Additional Literature: Instream flow reports
Flow monitoring reports
5 year plan

http://gf.state.wy.us/fish/watermangulstic



Instream flowe protect valuable, fishenes, from future harm while preserving traditional water uses.