

1 - Agenda Oct 24, 2023 BOCC Work Session

2 - 2024 Gunnison Co Instream Flow Recommendations, Update from CWCB, BLM, HCCA

3 - HHS, JvS and EM Summary with Fund Balances, 10.20.2023

GUNNISON COUNTY BOARD OF COMMISSIONERS
MEETING NOTICE

DATE: Tuesday, October 24, 2023

Page 1 of 1

PLACE: Board of County Commissioners' Meeting Room at the Gunnison County Courthouse
200 E. Virginia Avenue; Gunnison, CO 81230
(REMOTE OPTION BELOW)

GUNNISON COUNTY BOARD OF COUNTY COMMISSIONERS WORK SESSION:

- 8:30 am
- Call to Order

 - HB1177 Roundtable and Colorado River Water Conservation District; Updates

 - Upper Gunnison River Water Conservancy District; Update
- 9:30 am
- 2024 Gunnison County Instream Flow Recommendations; Marielle Sidell, Colorado Water Conservation Board (CWCB), Roy Smith, Bureau of Land Management (BLM), and Julie Nania, High Country Conservation Advocates (HCCA)

 - **BREAK**

 - 2024 Gunnison County Budget Discussions
 1. Assistant County Manager for Health, Human, and Safety Services Joni Reynolds
 - a) Health and Human Services
 - b) Juvenile Services
 - c) Emergency Management

 - Adjourn

Please Note: Packet materials for the above discussions will be available on the Gunnison County website at <http://www.gunnisoncounty.org/meetings> prior to the meeting.

ZOOM MEETING DETAILS:

Join Zoom Meeting: <https://us02web.zoom.us/j/82753657556?pwd=MjNDdTZHTFNRVdDemZJdC91aVBIZz09>

Meeting ID: 827 5365 7556

Passcode: 471302

One tap mobile

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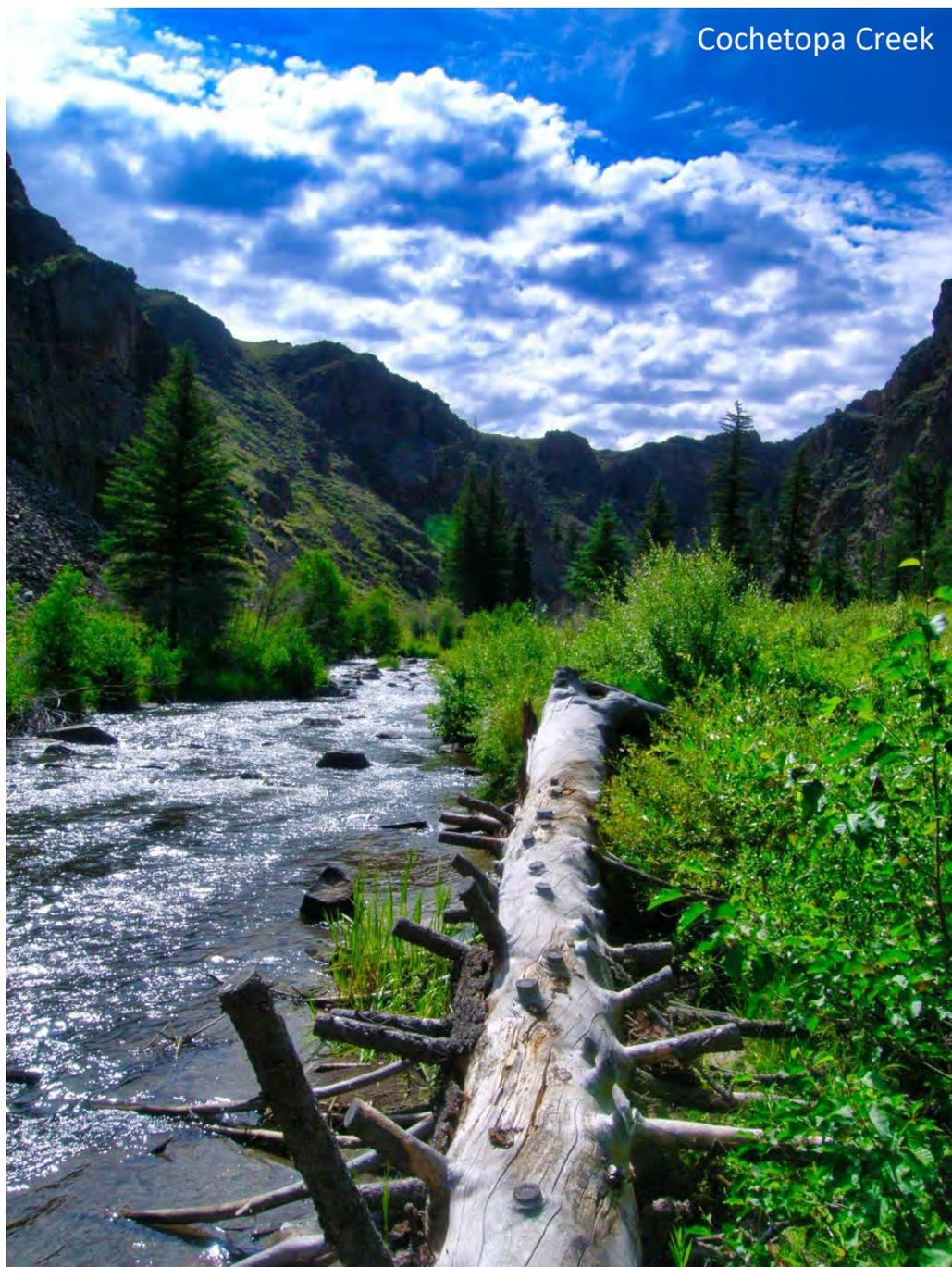


2024 Gunnison County Instream Flow Recommendations
Marielle Sidell (CWCB), Roy Smith (BLM) and Julie Nania (HCCA)



COLORADO
**Colorado Water
Conservation Board**

Department of Natural Resources



Items



Overview of Colorado Water Conservation Board



Instream Flow Program History & Overview



2024 Gunnison County Instream Flow Recommendations



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Colorado Water Conservation Board

Department of Natural Resources



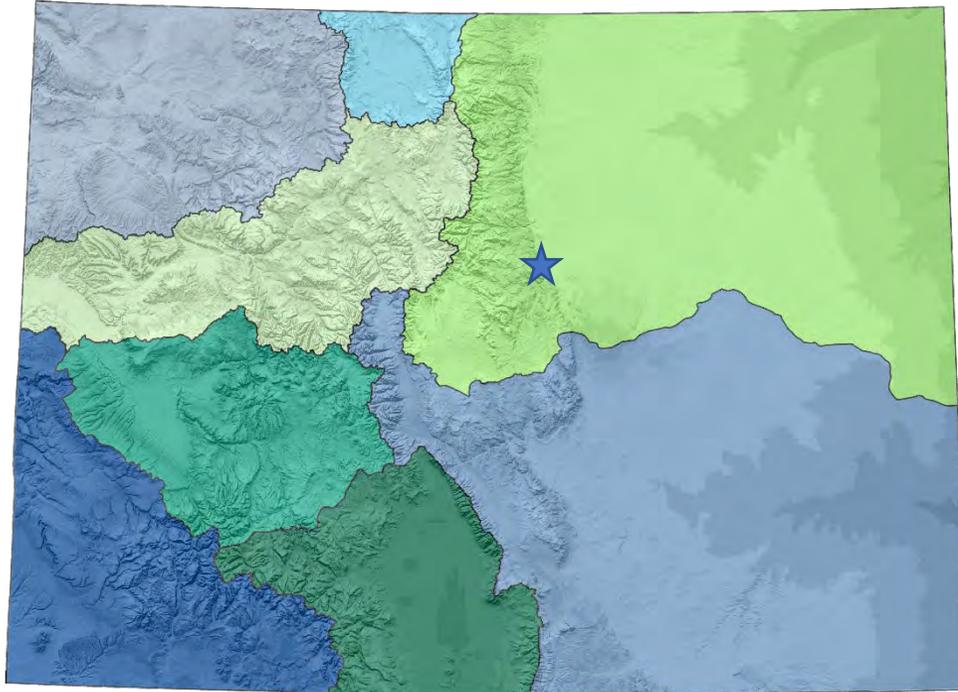
Colorado Water Conservation Board

To promote the protection, conservation, and development of Colorado's water resources for present and future generations

Provides policy direction on water issues

- Finance and Administration
- Interstate & Federal
- Stream and Lake Protection
- Water Supply Planning
- Watershed & Flood Protection

Board of Directors



Ex-Officio Members

Dan Gibbs, DNR Director (*voting*)

Lauren Ris, CWCB Director

Phil Weiser, AG

Kevin Rein, State Engineer

Jeff Davis, CPW Acting Director

Kate Greenberg, Dept. of Ag Director



Jaclyn Brown

CHAIR, YAMPA/WHITE RIVERS

jackie.brown@state.co.us
CWCB Board



Greg Felt

VICE CHAIR, ARKANSAS RIVER

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CITY AND COUNTY OF DENVER

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CWCB Board



Barbara Vasquez

NORTH PLATTE RIVER

CWCB Board



Nathan Coombs

RIO GRANDE

CWCB Board



Lorelei Cloud

SAN MIGUEL, DOLORES, ANIMAS & SAN JUAN RIVERS

CWCB Board



Robert Sakata

SOUTH PLATTE RIVER

robert.sakata@state.co.us
CWCB Board



Dan Gibbs

EXECUTIVE DIRECTOR, COLORADO DEPARTMENT OF NATURAL RESOURCES

dan.gibbs@state.co.us

Senate Bill 73-97

Established Colorado's Instream Flow Program

- Recognized “the need to correlate the activities of mankind with some reasonable preservation of the natural environment”
- Vested the CWCB with the authority “on behalf of the people of the state of Colorado, to appropriate or acquire... such waters of natural streams and lakes as may be required to preserve the natural environment to a reasonable degree.”



Cimarron River – 7/2/2018



Cimarron River – 8/2/2018

What did the ISF legislation establish?

- ISF and NLL rights are “in-channel” or “in-lake” appropriations of water and are recognized beneficial uses of water.
- Made exclusively by the Colorado Water Conservation Board
- To preserve the natural environment to a reasonable degree
- For “minimum flows” between specific points on a stream, or “levels” on natural lakes
- Administered within the State’s water right priority system

What Does the Program Accomplish?

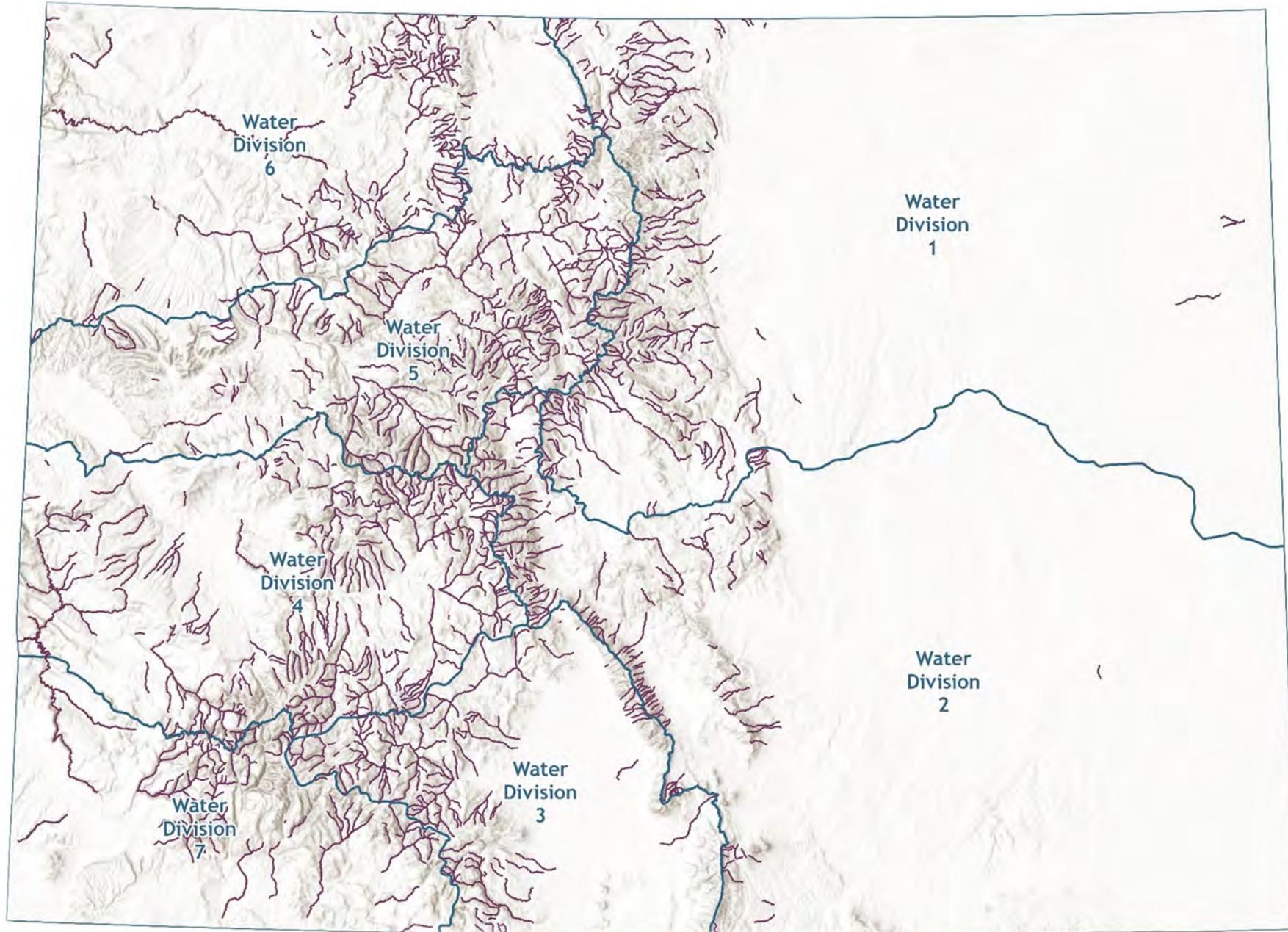


Maintains flows in streams to ensure preservation of the natural environment and achieves a balance with other beneficial uses of water in the state.



Provides regulatory certainty for water users by preserving the doctrine of prior appropriation and operating within the priority system.





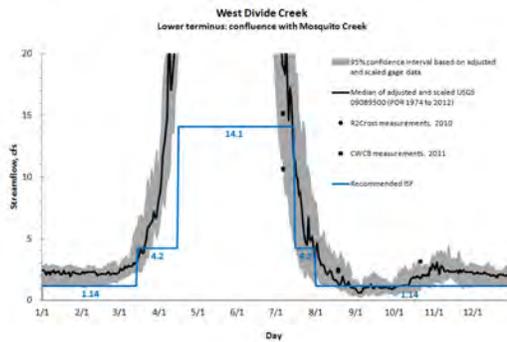
- Over 1,700 ISF water rights in Colorado
- Most located in the western half of the state in perennial, headwater streams

Required Board Findings



A natural environment exists

- Typically identified by the presence of a fishery, but other indicators can be used
Note: Quantification of the amount of water needed is provided by the recommending entity.



Natural environment will be preserved by the water available for appropriation

- Determined by water right and hydrologic investigations
- Daily **Median** hydrology when available – general CWCB policy to show water available 50% of time



No material injury to other rights

- New appropriations are junior water rights and have no effect on existing senior appropriations
- 37-92-102(3) b. Recognition of existing undecreed uses and exchanges



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Colorado Water
Conservation Board

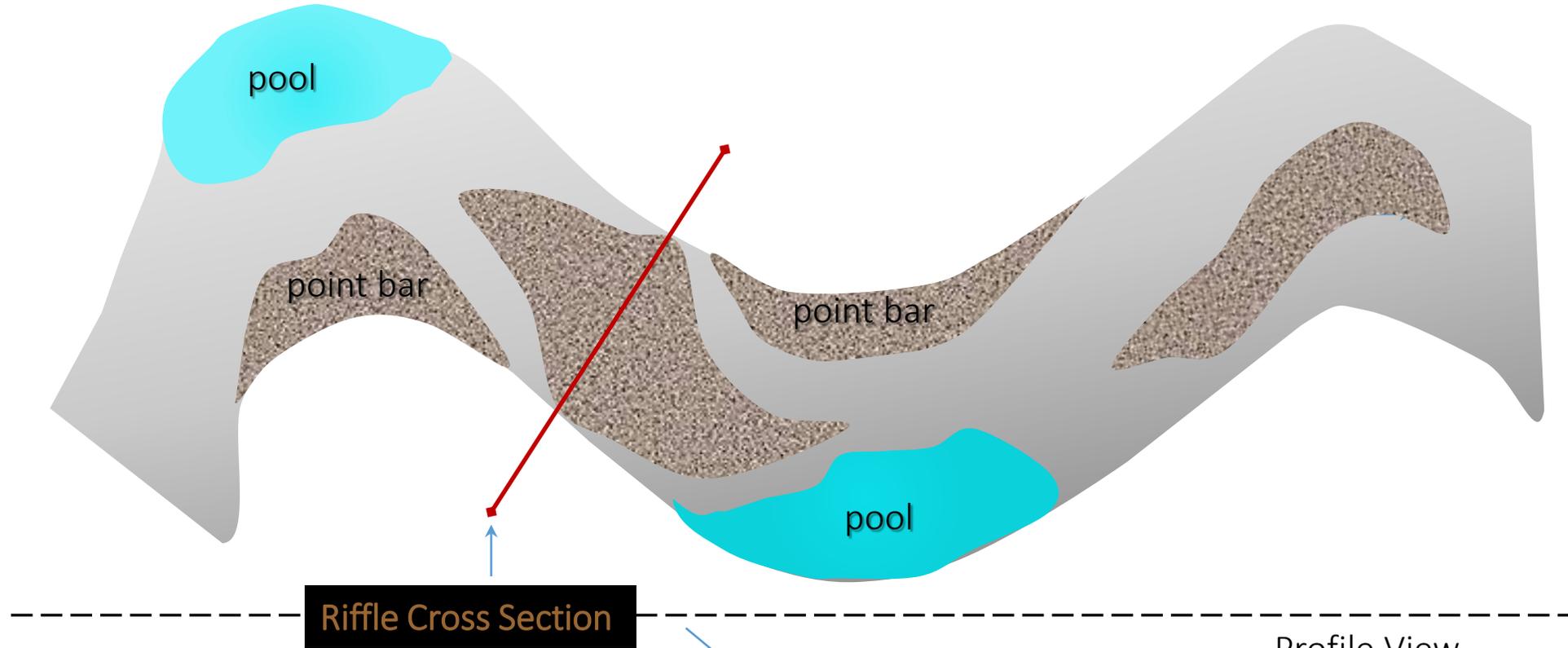
Department of Natural Resources

Developing the Biological Recommendation using R2Cross

Collect streamflow measurements & channel geometry to model hydraulic parameters of average depth, velocity, and percent wetted perimeter

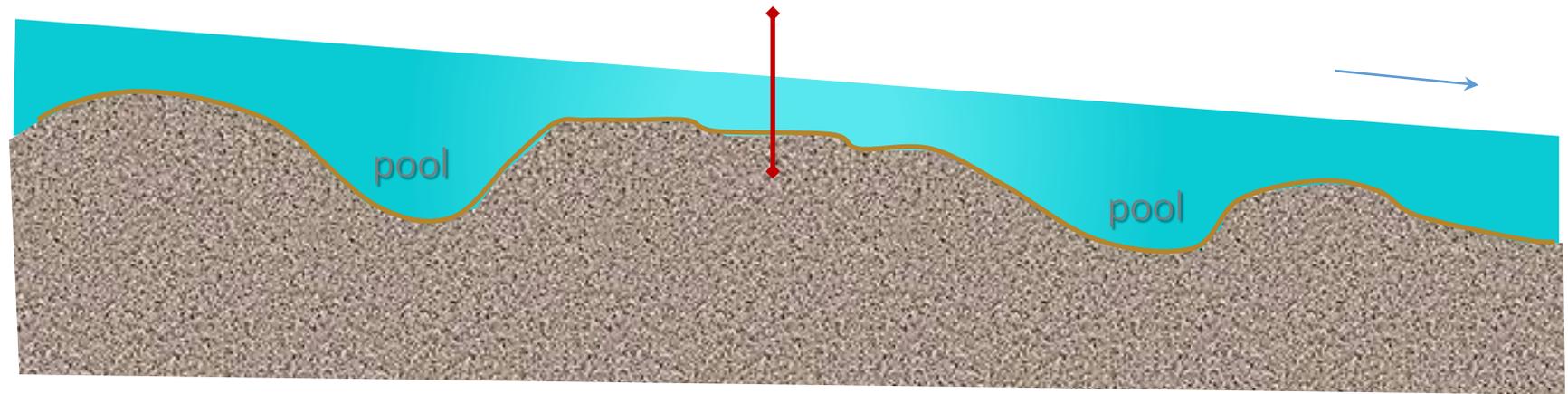
Site Selection

Plan View



Riffle Cross Section

Profile View



R2CROSS Parameters

- Biological R2CROSS recommendation based on maintaining hydraulic parameters related to stream habitat preferences for fish.
- 3 of 3 required for summer flow; 2 of 3 required for winter flow
- Many original R2Cross recommendations were based solely on 2 of 3

Stream Width (ft)	Average Depth (ft)	Average Velocity (ft/sec)	Wetted Perimeter (%)
1 - 20	0.2	1.0	50
21 - 40	0.21 - 0.40	1.0	50
41 - 60	0.41 - 0.60	1.0	50 - 60
61 - 100	0.61 - 1.00	1.0	70 or greater



What Does an ISF Look Like?



Little Cimarron River
3 of 3 criteria = 13 cfs
Measured flow = 13.5 cfs

Water Availability

Water Balance approach, driven by best available data

- Statistical analysis of data to provide *median* daily flow hydrograph when possible.
- Gage Records +20 years, short term gages, temporary gages, spot flow measurements, diversion records.
- Model analysis to provide mean monthly hydrograph when data is limited.
- Detailed CDSS modeling on larger streams.
- Additional information from water commissioners, landowners, ditch or reservoir operators, resource managers.



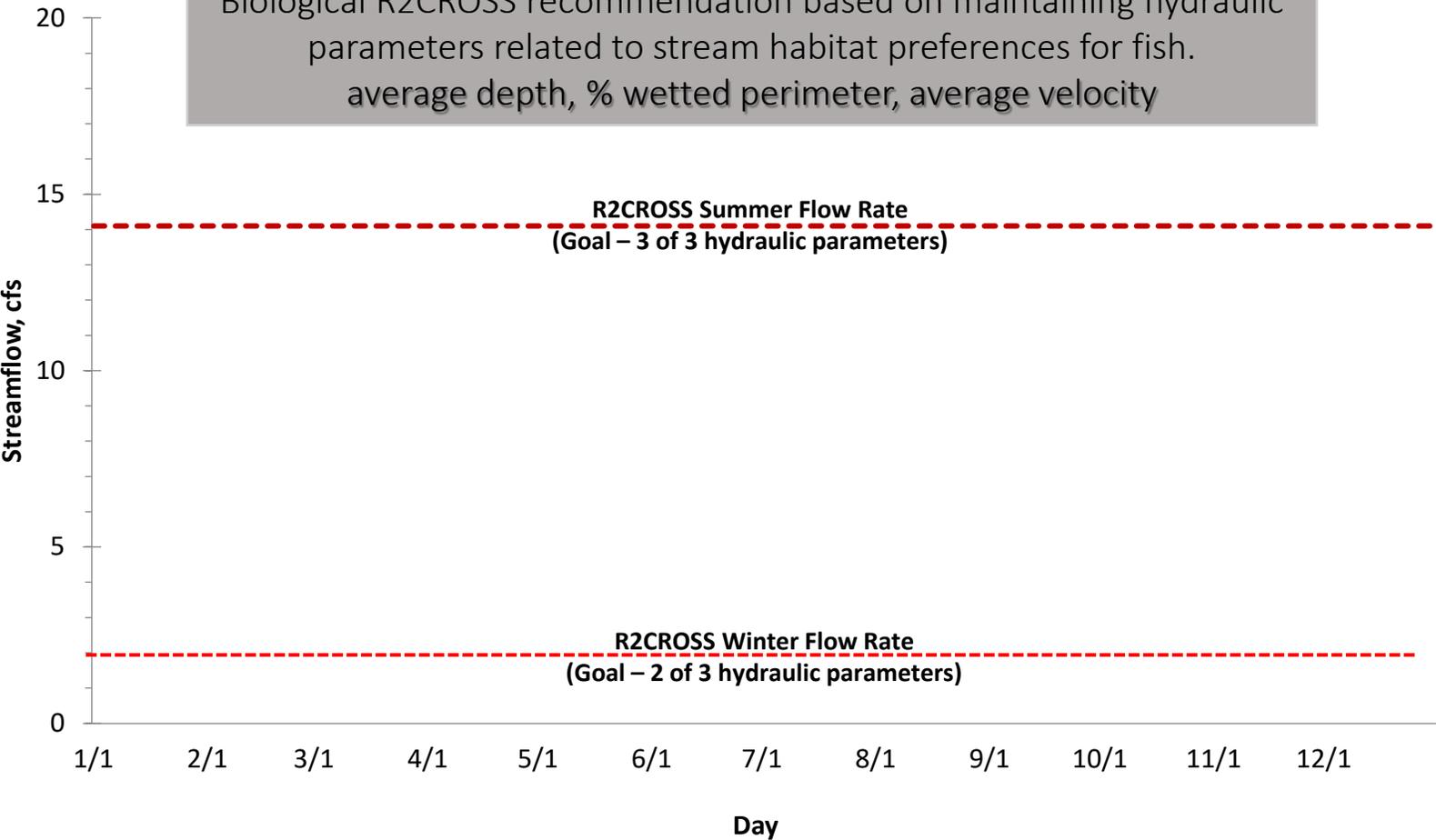
USGS 0930622 (Piceance Creek near White River, Co) Approximately 47 years of record

Water Availability

West Divide Creek

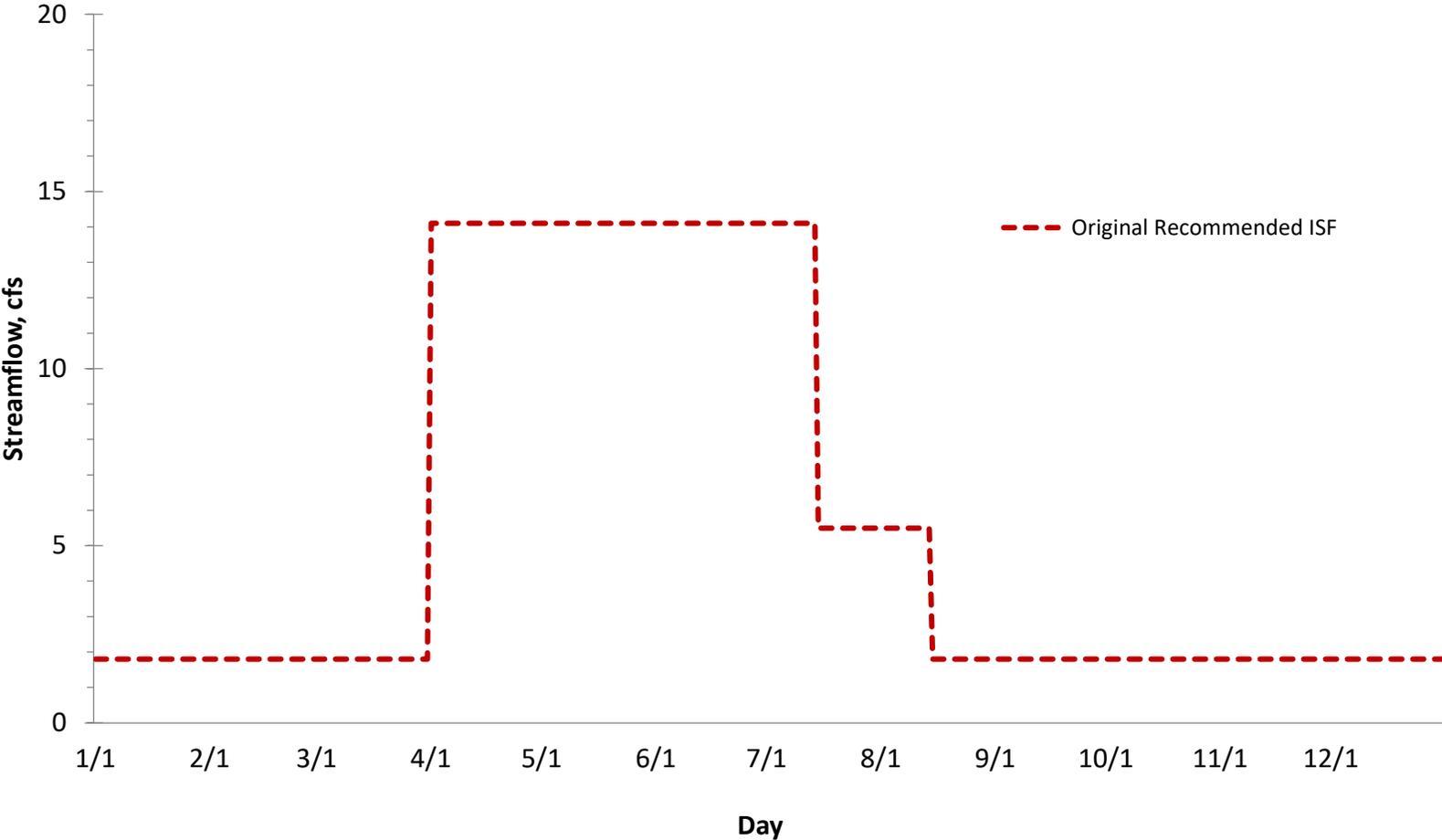
Lower terminus: confluence with Mosquito Creek

Biological R2CROSS recommendation based on maintaining hydraulic parameters related to stream habitat preferences for fish.
average depth, % wetted perimeter, average velocity



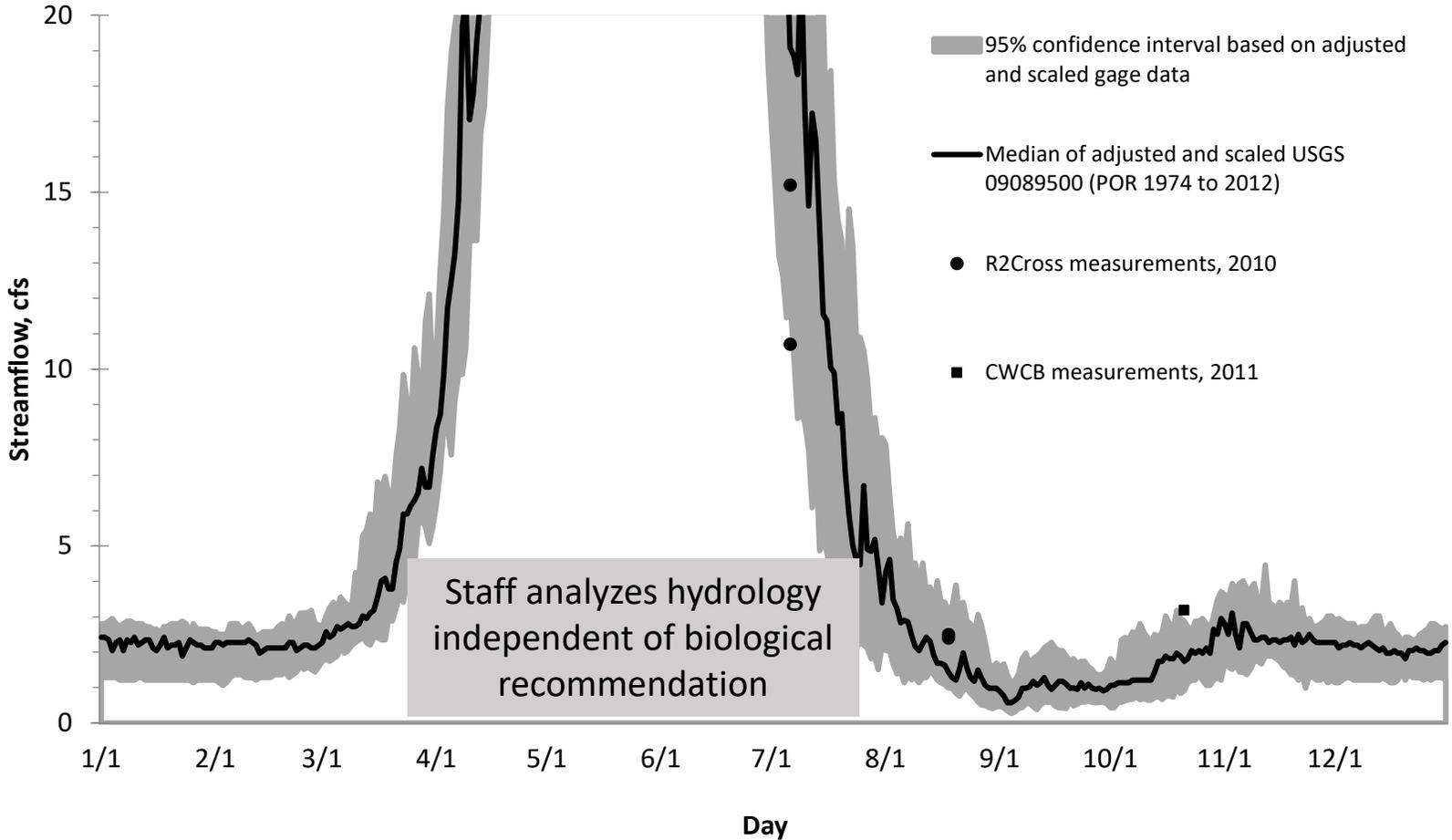
Water Availability

West Divide Creek
Lower terminus: confluence with Mosquito Creek



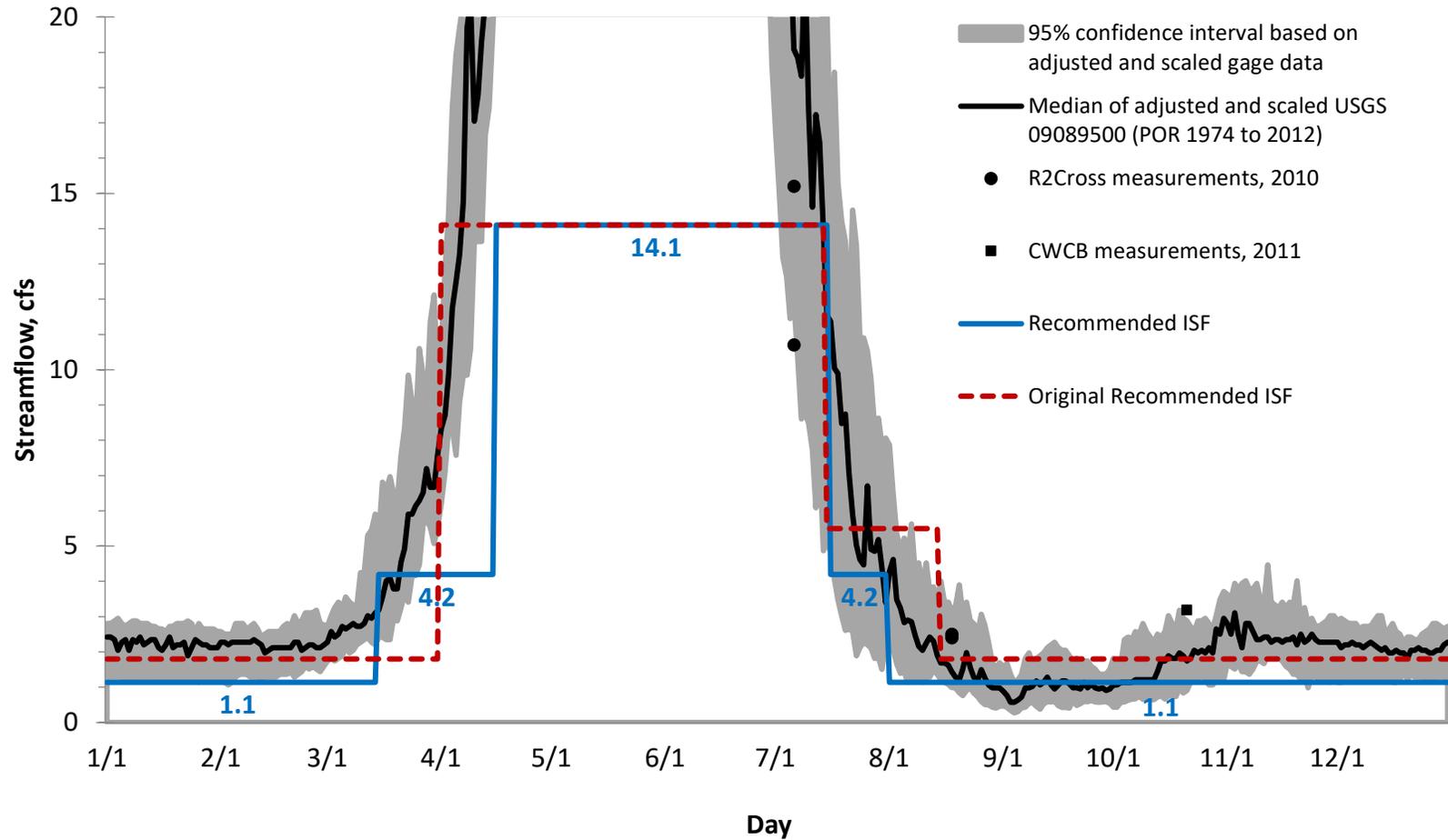
Water Availability

West Divide Creek
Lower terminus: confluence with Mosquito Creek



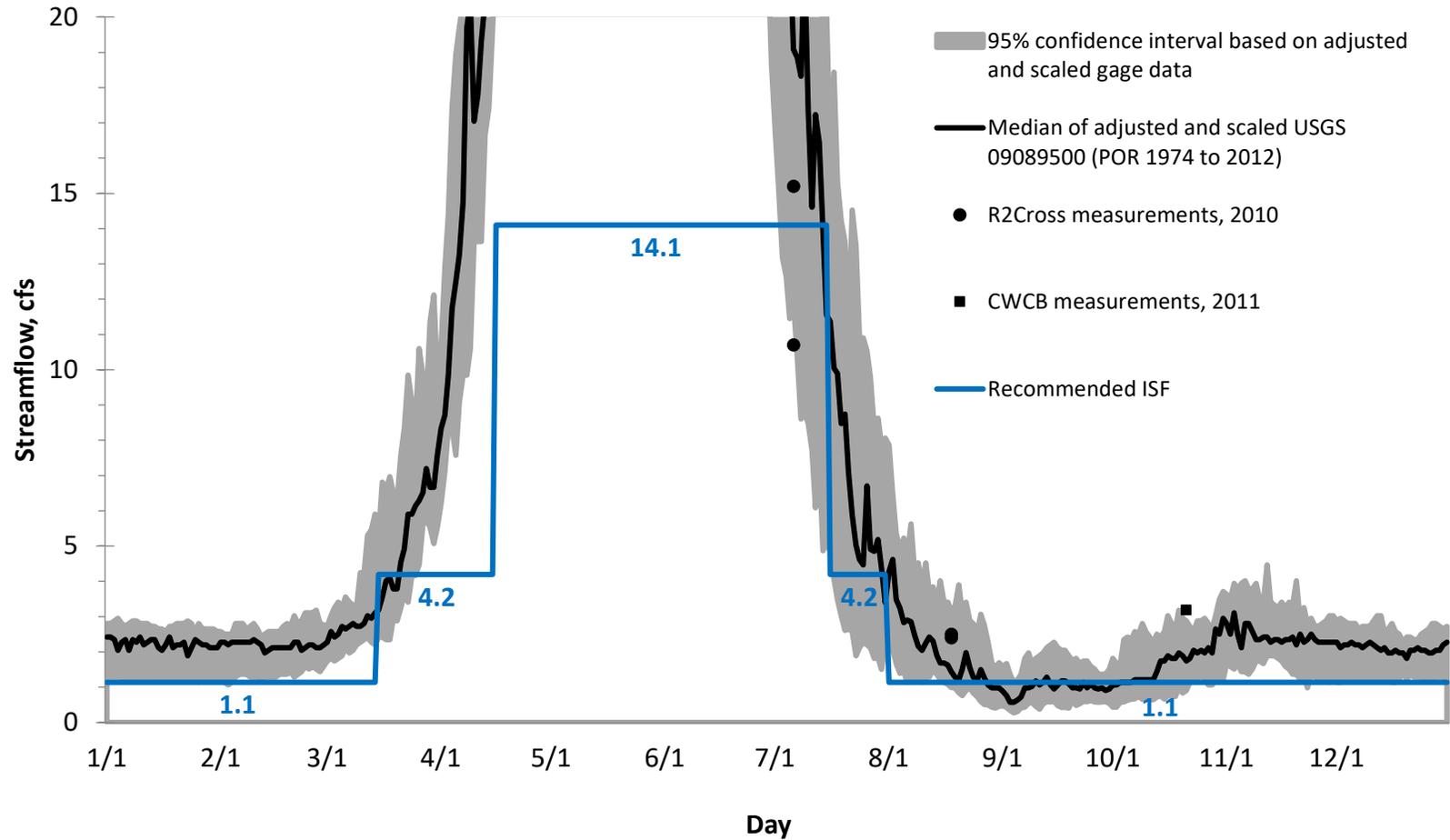
Water Availability

West Divide Creek
Lower terminus: confluence with Mosquito Creek



Water Availability

West Divide Creek
Lower terminus: confluence with Mosquito Creek



Recommender Role

1

Identify streams and determine flow needs

2

Submit recommendations “with specificity and in writing”.

3

Identify stakeholders and participate in outreach efforts.

4

Testify on natural environment and flow requirements if there is a contested hearing.

CWCB Staff Role

1

Evaluate
Recommender
Data

2

Water Availability
Assessments

3

Outreach &
Education

4

Inform Board &
support
recommendations
in hearings

CWCB Board Role

1

Listen to public feedback

2

Make 3 determinations

3

Decide whether to appropriate ISFs

4

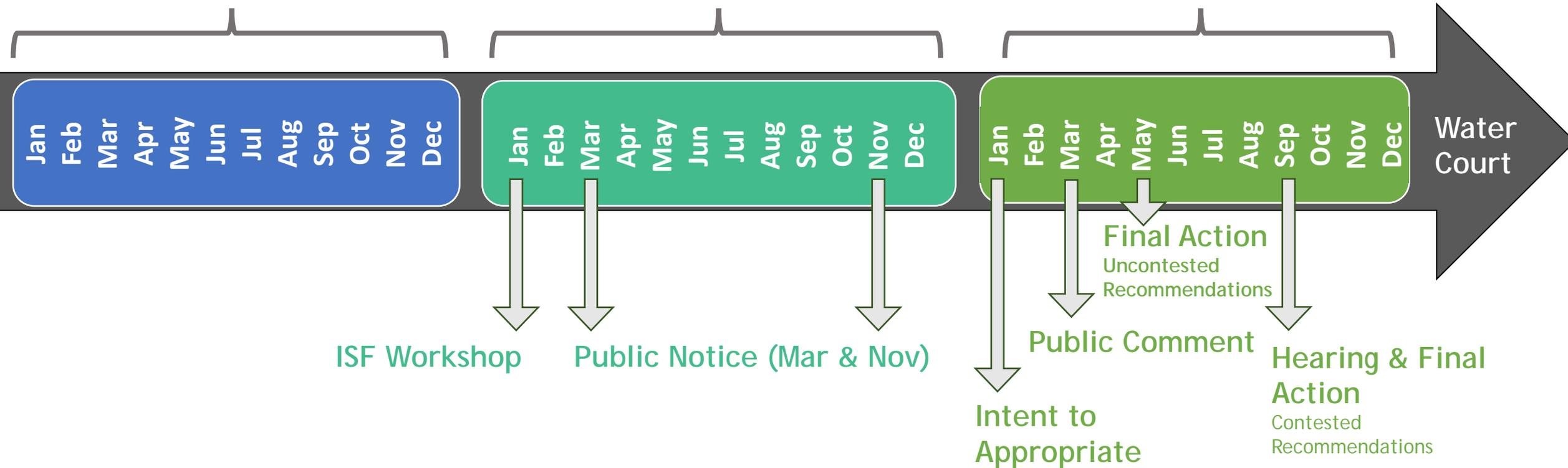
Make decisions in hearings

ISF TIMELINE

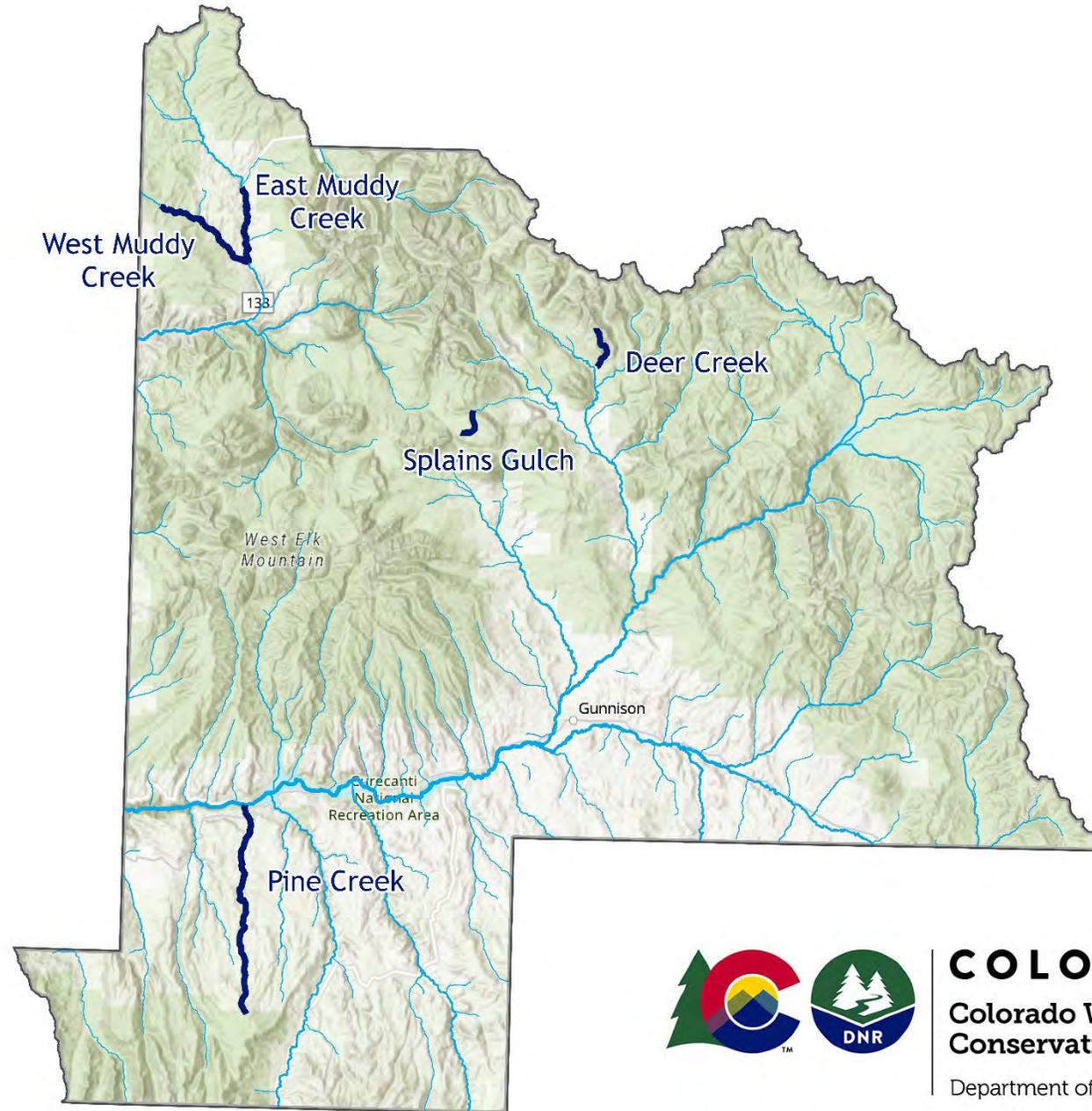
Recommendation Development

Staff Analysis & Public Outreach

Board Decisions & Hearing Process



Timeline shows typical recommendation process, but the exact dates can vary. Please see ISF Rules and CWCB website for more detailed information and important dates.



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**Colorado Water
Conservation Board**

Department of Natural Resources



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Julie Nania
HCCA Water Program Director
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Roy Smith
BLM Water Rights, Instream Flow
Protection, Wild & Scenic Rivers
r20smith@blm.gov

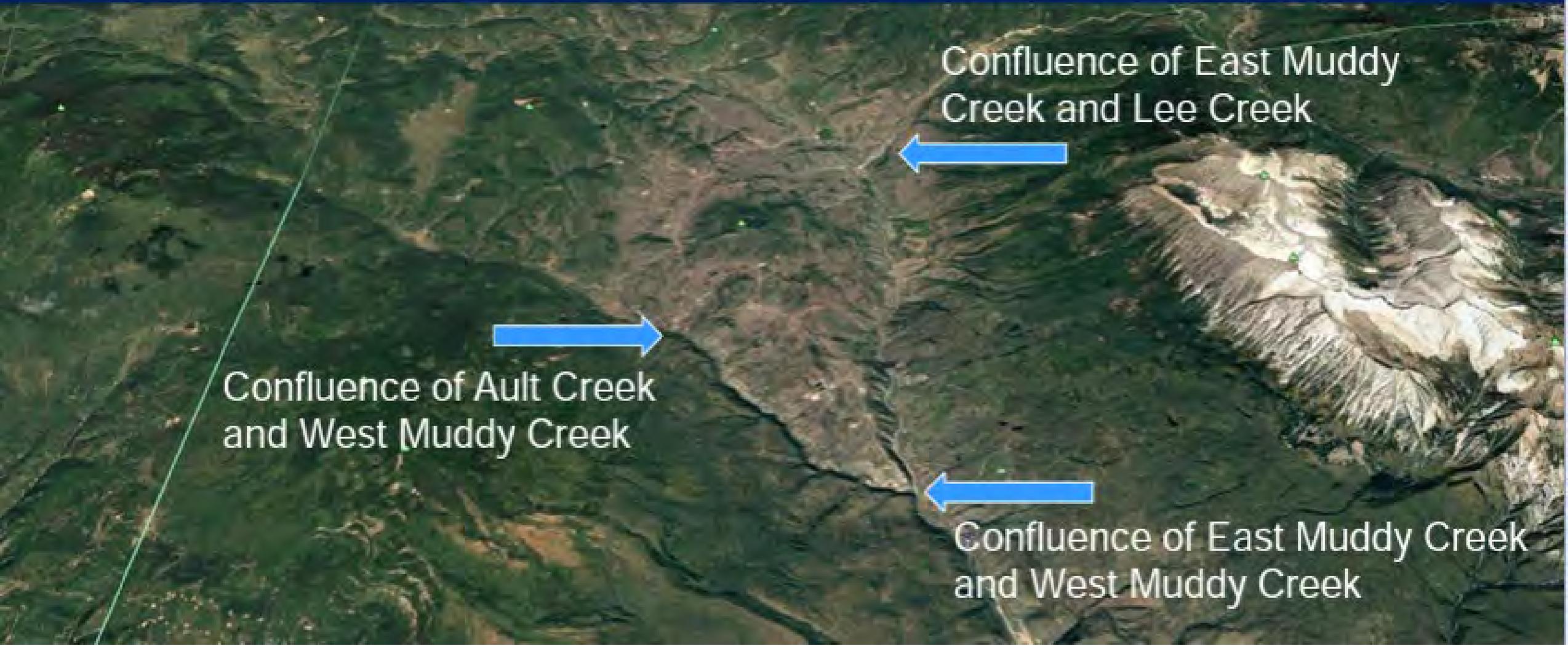
Questions/Concerns/Comments?

2024 BLM Instream Flow Recommendations



West Muddy Creek

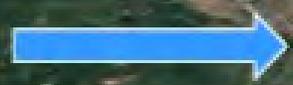
East Muddy Creek and West Muddy Creek - Location



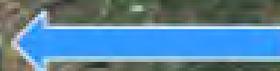
Confluence of East Muddy Creek and Lee Creek



Confluence of Ault Creek and West Muddy Creek



Confluence of East Muddy Creek and West Muddy Creek



East Muddy



Natural Environment:

- Native Fishery: speckled dace, mottled sculpin, bluehead sucker
- Introduced Fishery: rainbow trout, fathead minnow and white sucker
- Riparian community: willow species, alder, spruce and narrowleaf cottonwood

East Muddy



Preliminary ISF Rates:

- 17 cfs: March 1 – March 31
- 23.25 cfs: April 1 – July 15
- 17.0 cfs: July 16 – November 30
- 11.2 cfs: December 1 – February 28

West Muddy



Natural Environment:

- Native Fishery: bluehead suckers, speckled dace, and mottled sculpin.
- Introduced Fishery: brook trout, rainbow trout, and white suckers
- Northern leopard frogs
- Riparian community: willow species, alder, narrowleaf cottonwood and spruce.

West Muddy



Preliminary ISF Rates:

- 5.4 cfs: March 1 – March 31
- 12.9 cfs: April 1 – July 15
- 5.4 cfs: July 16 – November 30
- 4.0 cfs: December 1 – February 28

Questions for BLM?

Contact Roy Smith at r20smith@blm.gov or 303-239-3940



East Muddy Creek
above confluence with
West Muddy Creek



2024 Instream Flow Proposals

**HIGH COUNTRY
CONSERVATION
ADVOCATES**



Water Division 4

Splains Gulch

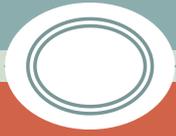


Instream Flow Right



Proposing instream flow protection on
Splains Gulch





Natural Environment

Brook trout fishery documented by CPW (fish observed during sampling)

Healthy riparian area featuring mixed spruce and pine forests and willows



Proposed ISFs

Cross Section (Date)*	Measured Discharge	Bankfull Top Width (ft)	Winter Flow Recommendation (cfs)	Summer Flow Recommendation (cfs)
Splains Gulch (7-7-22)	1.71	7.1	1.07 cfs	1.36 cfs
ISF Recommendations			1.1 cfs (May 1- Aug. 31)	1.4 cfs (Sep. 1 – Apr. 30)

Water Availability



Physical

- R2Cross
- Looked at gage data for Elk Creek and Coal Creek (at McCormick & Splains Gulch road)

Water Availability

Legal

- No diversions





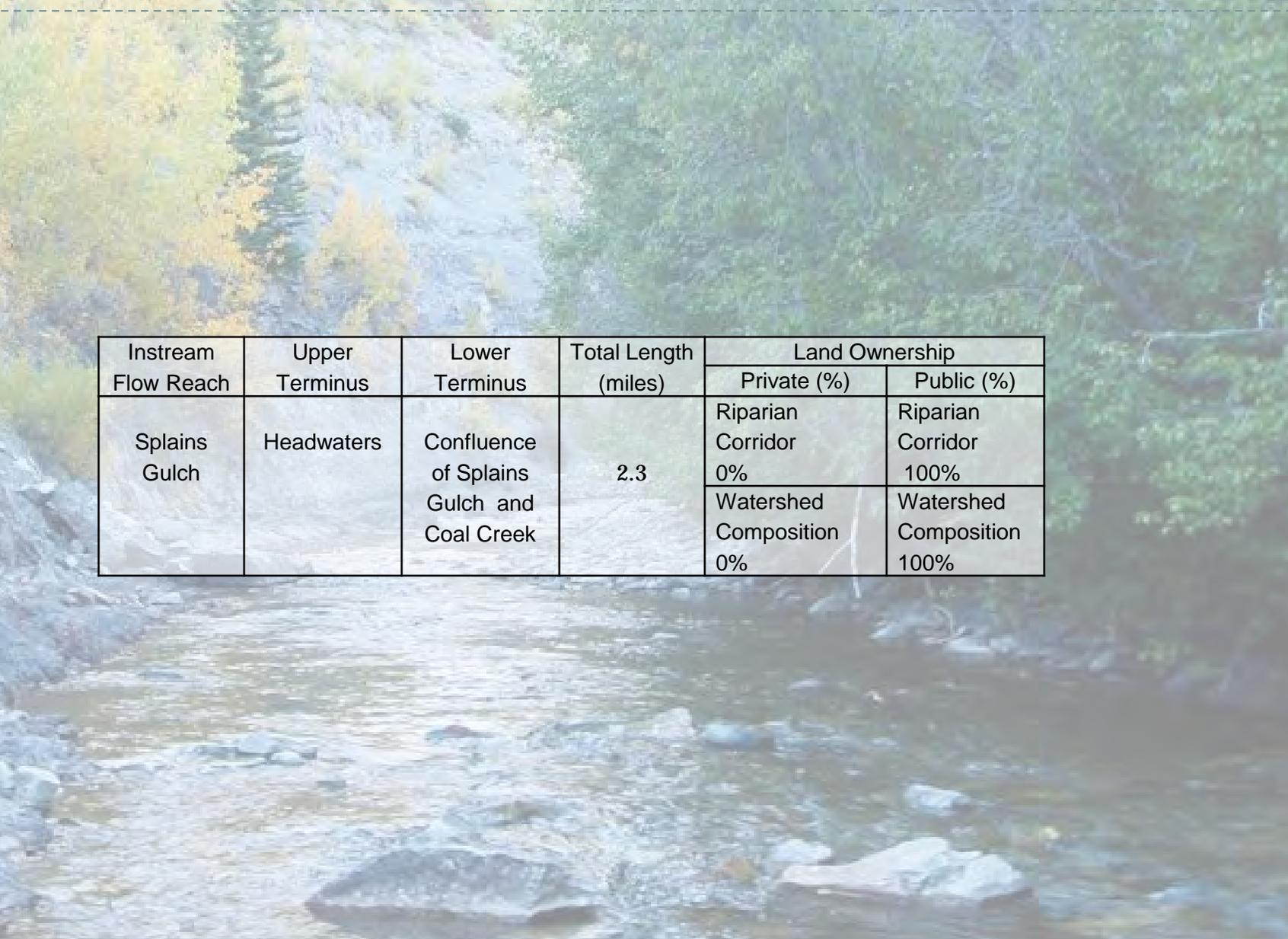
Stakeholders

**US Forest
Service**

**Colorado Parks &
Wildlife**

Gunnison County

**The Upper
Gunnison River
Water
Conservancy
District**



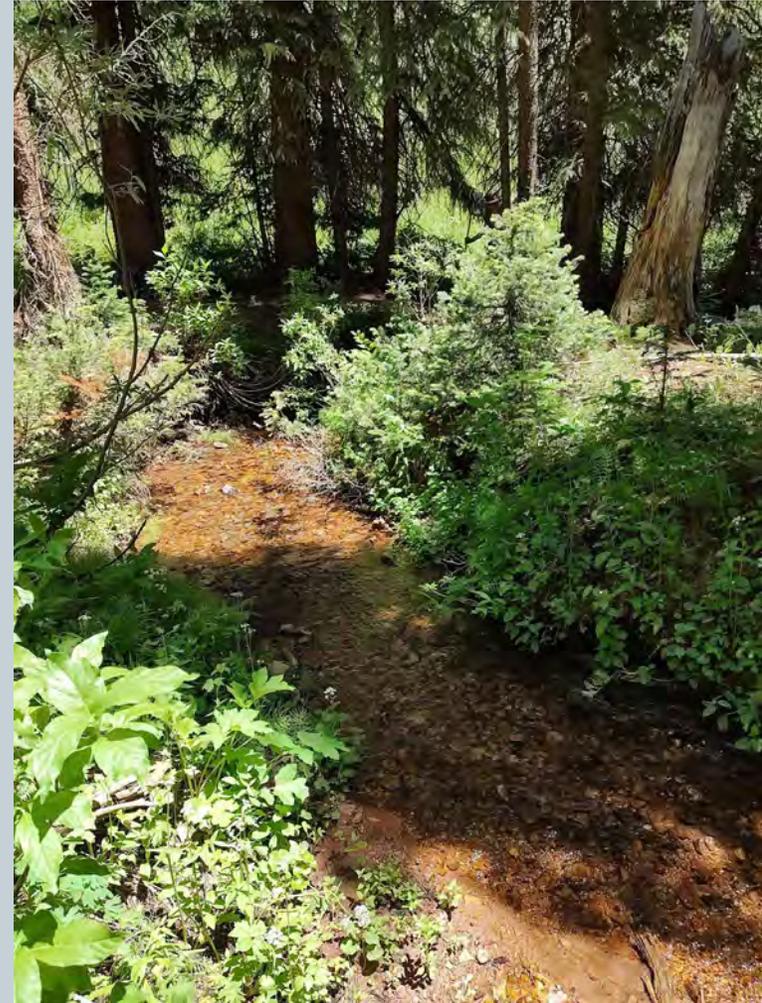
Instream Flow Reach	Upper Terminus	Lower Terminus	Total Length (miles)	Land Ownership	
				Private (%)	Public (%)
Splains Gulch	Headwaters	Confluence of Splains Gulch and Coal Creek	2.3	Riparian Corridor 0%	Riparian Corridor 100%
				Watershed Composition 0%	Watershed Composition 100%

**Water
Division 4**
Deer Creek



Instream Flow

No existing CWCB ISF
right on Deer Creek





CPW conducted sampling 2023 and documented brook trout.

Healthy riparian area featuring riffles and small pools

Abundant macroinvertebrates noted while conducting pebble counts

Natural Environment



Proposed ISFs

Cross Section (Date & Location)	Measured Discharge (cfs)	Bankfull Top Width ¹ (ft)	Winter Flow Recommendation (cfs)	Summer Flow Recommendation (cfs)
Deer Creek (7/8/22)	.33	4.5	0.61	1.01
ISF Recommendations:			0.6 cfs (Oct. 1- Apr. 30)	1.0 cfs (May 1- Sep.30)

Water Availability



Physical

- R2Cross
- Looked at data from the gage on the East River below Cement Creek

Water Availability



Legal





Stakeholders

**US Forest
Service**

**Colorado Parks &
Wildlife**

Gunnison County

**The Upper
Gunnison River
Water
Conservancy
District**

**Water Rights
Holder**

Instream Flow Reach	Upper Terminus	Lower Terminus	Total Length (miles)	Land Ownership	
				Private (%)	Public (%)
Deer Creek	Headwaters	Beitler No. 1 diversion structure	2	Riparian Corridor 0%	Riparian Corridor 100%
				Watershed Composition 0%	Watershed Composition 100%

Questions?



Julie Nania
Julie@hccacb.org



CPW's Instream Flow Efforts

A photograph of a brown trout swimming in a clear stream. The fish is positioned in the center-right of the frame, swimming towards the left. The water is clear, revealing a rocky riverbed with various sized stones and pebbles. The background shows the surface of the water with some ripples and reflections of light.

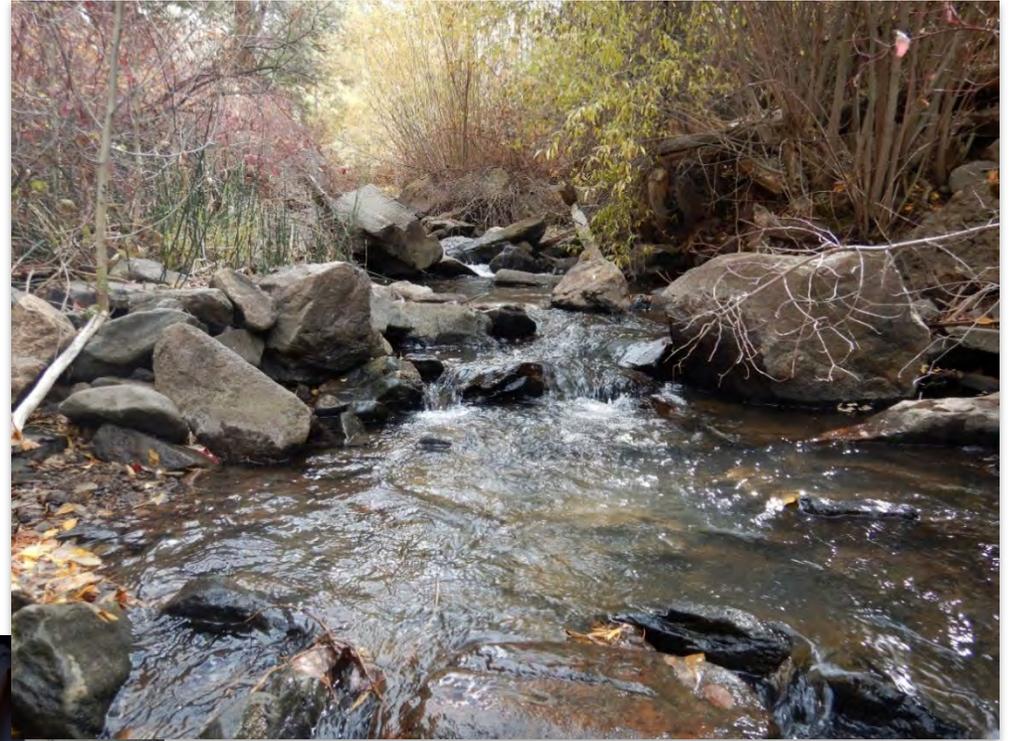
Katie Birch

Instream Flow Program Specialist
Colorado Parks and Wildlife

Pine Creek

In Partnership with BLM and NPS staff:

- Fish Survey
- Considering segmenting (Poison Gulch or Sheep Creek)
- Working with Ute Mountain Tribe stakeholders to identify adequate reach extent and flow protections



LIVE LIFE
OUTSIDE



Questions/Concerns/Comments?

970-252-6021

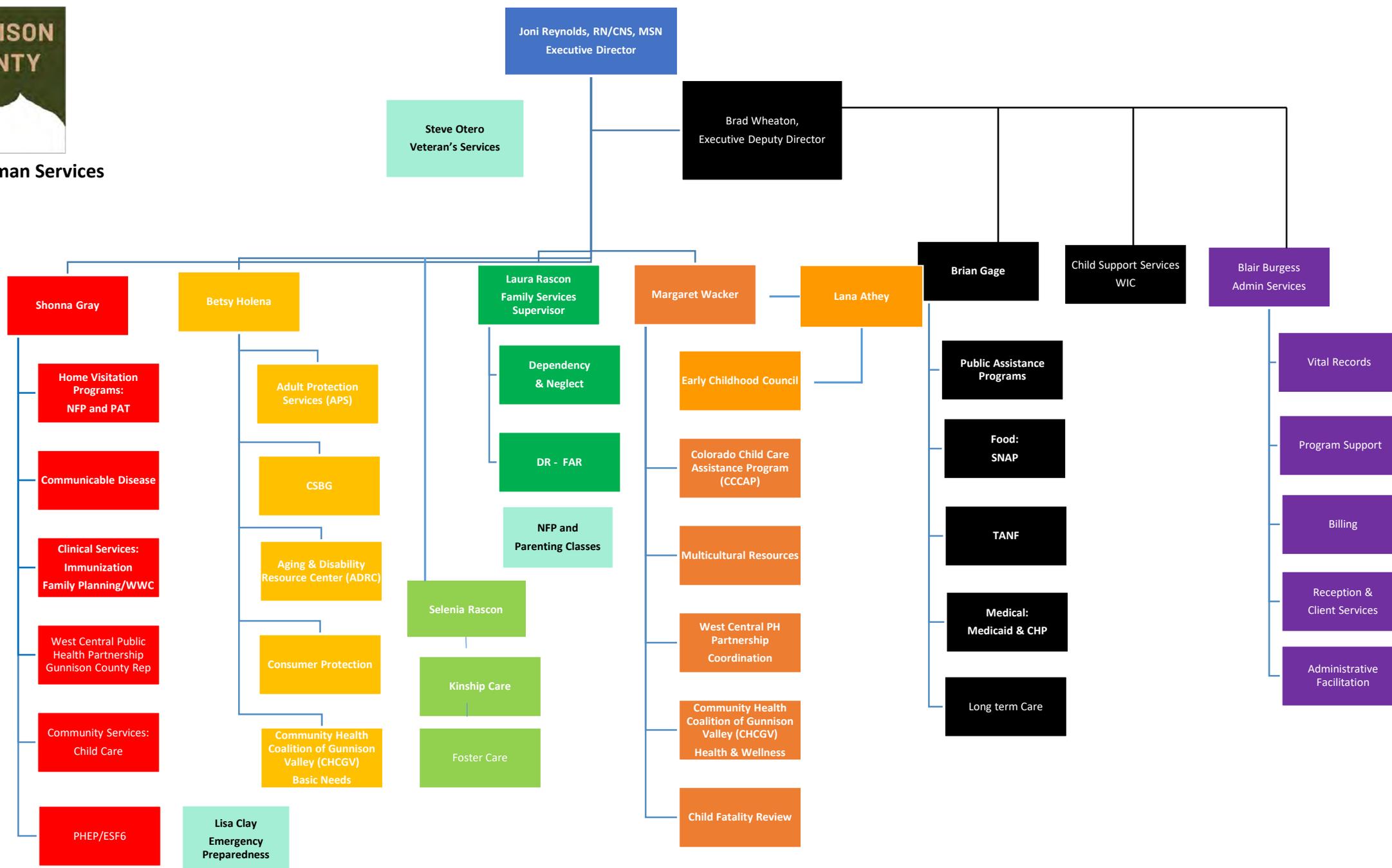
Katie.birch@state.co.us

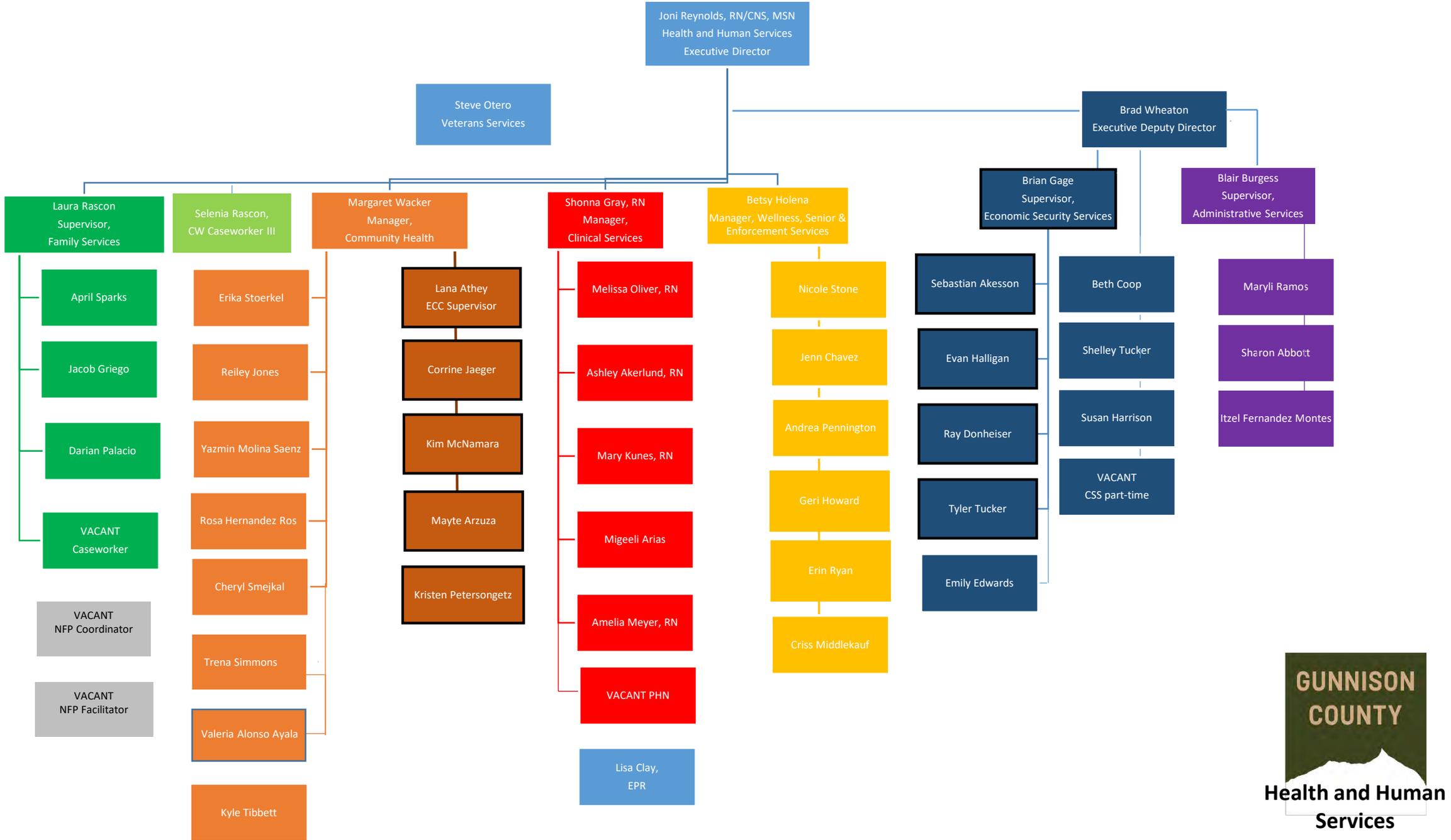


LIVE LIFE
OUTSIDE



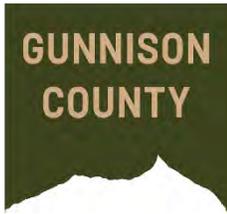
Health & Human Services





October 2023



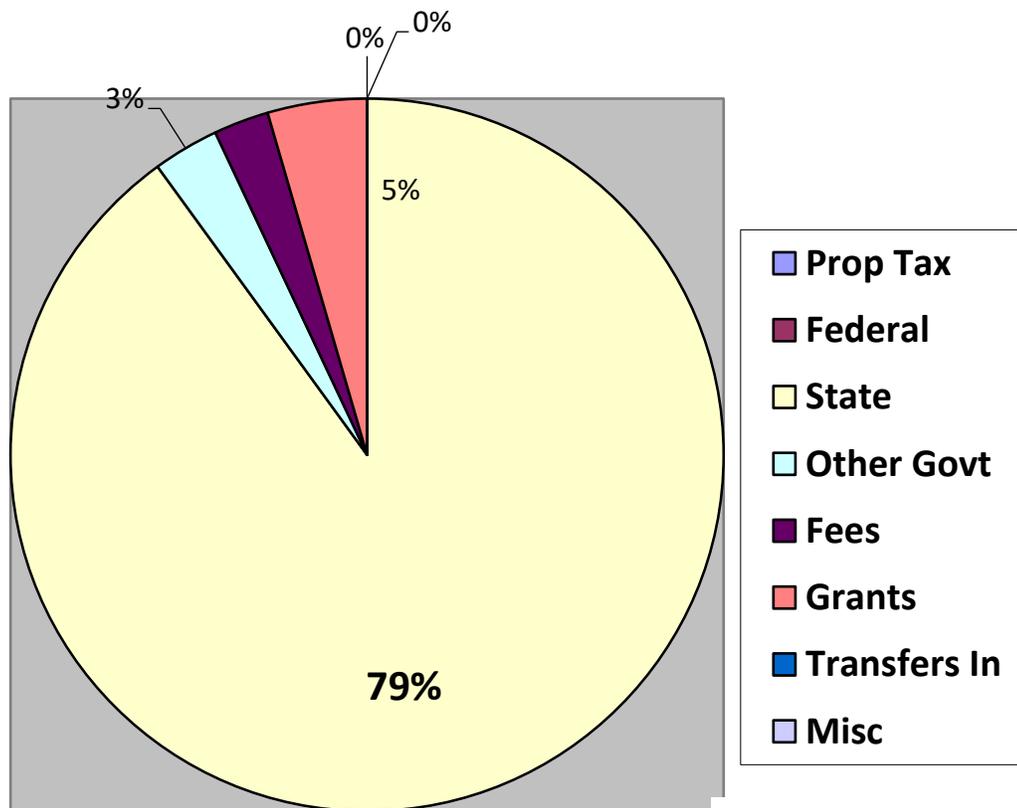


HEALTH & HUMAN SERVICES

Phone: (970) 641-3244 | Fax: (970) 641-3738
220 N. Spruce, Gunnison, CO 81230
Website: www.GunnisonCounty.org

Proposed 2024 FY Human Services Program 01 Funding

Includes: **Senior & Adult Programs:** Aging and Disability Resources Center (ADRC); Education; **Child and Family Health:** Nurse Family Partnership (NFP) program; Nurturing Parenting Program (NPP); Early Childhood Council (ECC); Multicultural Resources (MCR); Family Planning.



0% revenue for Property Tax
0% Transfers In

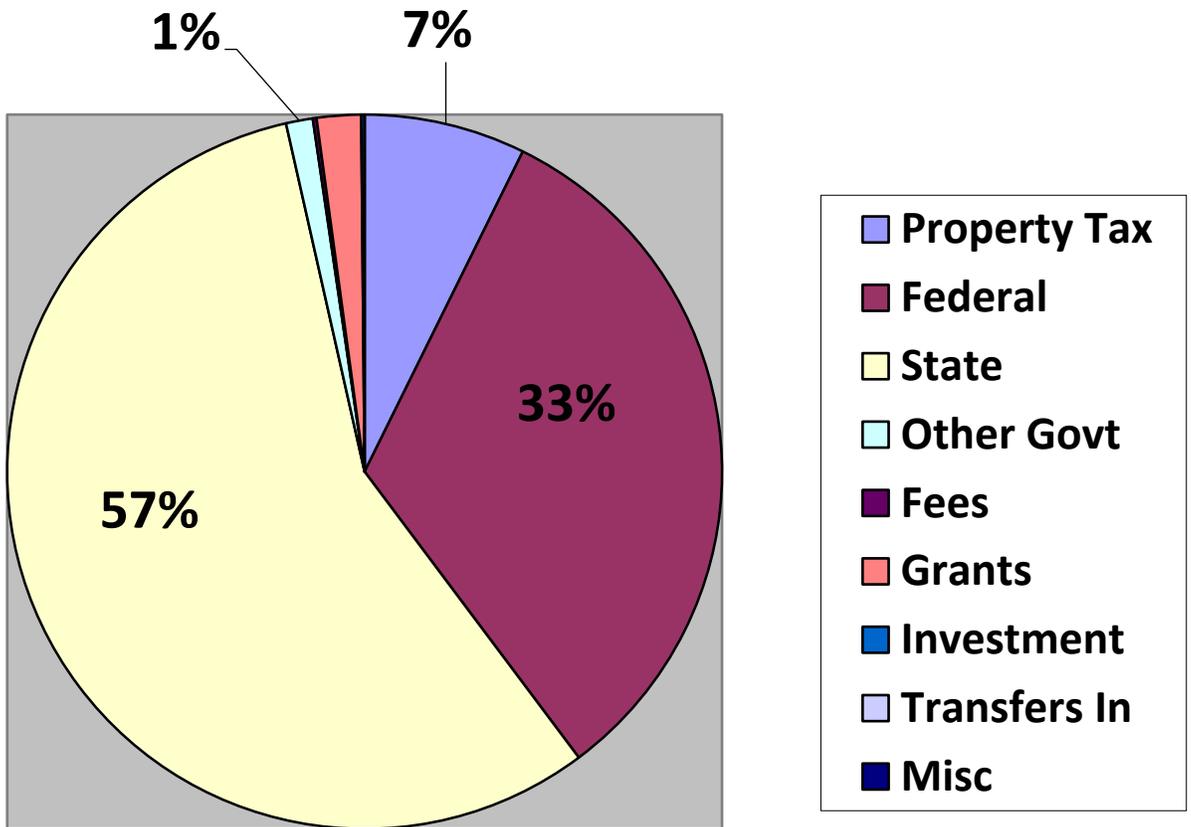
TOTAL FUNDING = \$904,484.

2023 Funding = \$892,632.

Our Mission is to provide culturally-competent advocacy, prevention, protection and support services to families of Gunnison and Hinsdale counties so they can prosper and thrive in a healthy and supportive community.

Proposed 2024 FY Human Services Program 03 Funding

Includes: **Senior & Adult Programs:** Adult Protection; **Child and Family Services:** Child Welfare, Core Services, Foster Care Program, Adoption Services, SB94, and Child Support Services. **Economic Security Programs:** Childcare Assistance, Medical Assistance, Food Assistance, Colorado Works/TANF program, Community Service Block Grant (CSBG), and other Assistance programs (i.e. LEAP, OAP, EOC).

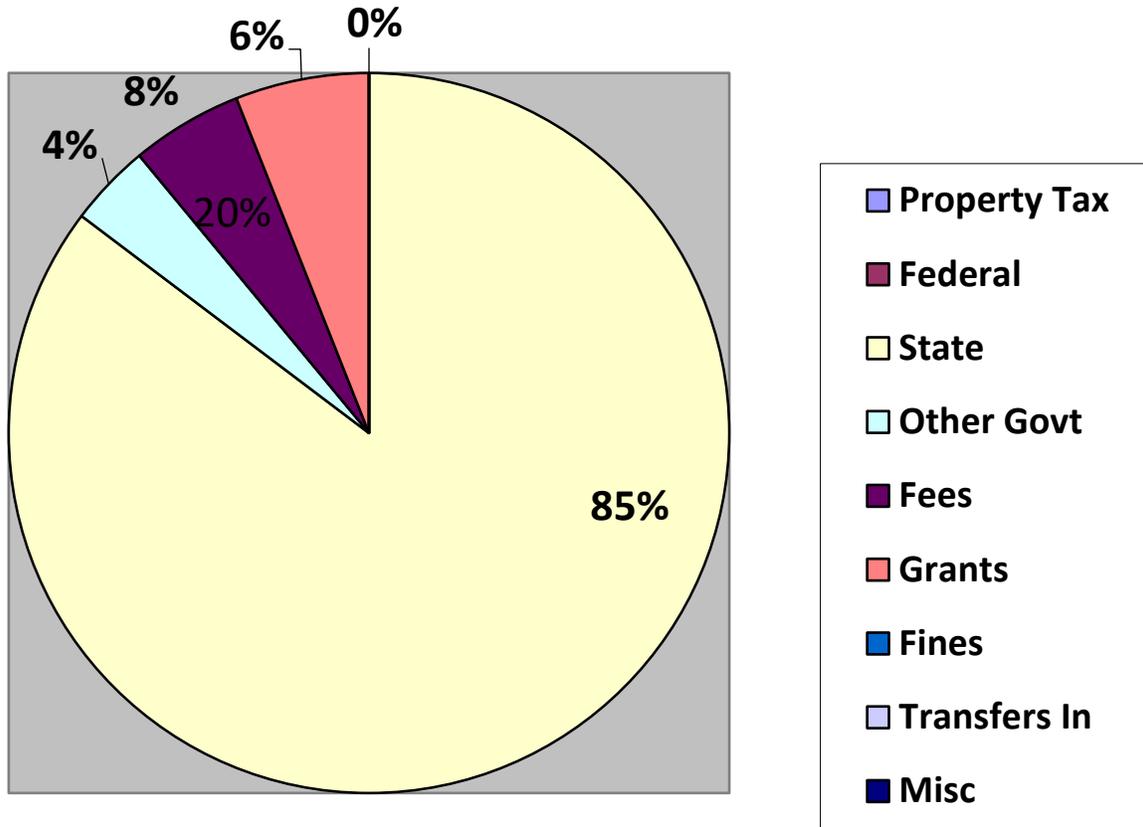


TOTAL FUNDING = \$6,031,004.

2023 Funding = \$6,444,166.

Proposed 2024 FY Public Health Program 04 Funding

Includes: **Public Health Programs:** Program Support; Women’s Wellness Connection (WWC); Women, Infant & Children (WIC), Immunizations, West Central Partnership, Child Fatality Review, Education, Public Health Emergency Preparedness (PHEP).



TOTAL FUNDING = \$2,070,993

0% revenue for Property Tax

Transfers in = General Fund

2023 Funding = \$2,351,693.

**Gunnison County HHS
2024 Proposed Budget**

		2024 Proposed Budget		2023 Projected Actuals	2023 Revised Budget	2022 Revised Budget	2022 Actuals
Fund 01	SUMMARY						
General Fund	Revenues	(\$904,484.00)	8.0%	\$ (837,684.36)	\$ (892,632.00)	\$ (856,943.00)	\$ (721,776.03)
	Payroll	\$692,706.00	16.4%	594,905.45	578,220.00	418,769.00	385,423.41
	Operations	\$249,197.00	-11.7%	282,163.56	356,472.00	483,699.00	362,646.82
	Net Operating Results	37,419.00	-5.0%	39,384.65	42,060.00	45,525.00	26,294.20
Fund 03	SUMMARY						
HHS	Revenues	(\$6,031,004.00)	19.5%	\$ (6,444,166.30)	\$ (5,048,720.00)	\$ (6,527,046.00)	\$ (6,140,531.06)
	Payroll	\$2,097,599.00	4.7%	1,757,521.53	2,004,185.00	1,834,510.00	1,528,034.48
	Operations	\$4,036,187.16	18.2%	4,467,120.02	3,415,179.00	4,845,160.00	4,599,433.54
	Net Operating Results	102,782.16	-72.3%	(219,524.75)	370,644.00	152,624.00	(13,063.04)
Fund 04	SUMMARY						
Public Health	Revenues	(\$2,070,993.52)	-11.9%	\$ (2,351,692.82)	\$ (2,776,765.00)	\$ (2,962,768.86)	\$ (2,424,586.99)
2023 Projected and 2024 Budget do not include General Fund transfers	Payroll	\$1,605,891.00	10.3%	1,455,783.21	1,807,367.00	1,892,756.39	1,483,955.90
	Operations	\$873,277.26	20.1%	727,358.47	920,355.00	1,017,904.70	940,631.09
	Net Operating Results	408,174.74	-342.2%	(168,551.14)	(49,043.00)	(52,107.77)	-

HHS Fund 01 Net Cost to General Fund		2024 Proposed Budget	2023 Expected	2022 Total	2021 Total	2020 Total	2019 Total	2018 Total	2017 Total
(HHS in Fund 01 has Fund Balance combined with all General Fund)	Net Results Decr/(Incr) to General Fund Balance	\$ 37,419.00	\$ 37,419.00	\$ 28,634.14	\$ 92,534.74	\$ 55,510.46	\$ 62,586.17	\$ 54,010.45	\$ 65,718.45
HHS Fund 03 Fund Balance and Net Results HHS Fund									
	Net Results Decr/(Incr) FB	102,782.16	(219,524.75)	(16,424.53)	(46,849.67)	(84,257.46)	(19,061.86)	384,200.13	56,443.45
(Target Fund Balance = \$200,000)	Fund Balance	(465,662.25)	(568,444.41)	(348,919.66)	(332,495.13)	(285,645.46)	(201,388.00)	(182,326.14)	(566,526.27)
HHS Fund 04 Fund Balance and Net Results Public Health Fund									
	Net Results Decr/(Incr) FB	408,174.74	(168,551.14)	(25,589.54)	163,730.41	140,851.10	211,114.63	270,590.51	257,844.91
	Xfer from General Fund	(197,000.00)	-	(42,627.05)	(231,947.00)	(163,419.00)	(229,517.00)	(298,000.00)	(283,245.00)
(Target Fund Balance = \$25,000)	Fund Balance	(25,592.99)	(236,767.73)	(68,216.59)	(68,216.59)	(22,567.90)	(18,402.37)	(27,409.49)	(25,400.09)
No transfer from General Fund anticipated for 2023									
Note: a negative number in Fund Balance denotes a POSITIVE FUND BALANCE									

Juvenile Services

		2024 Proposed Budget		2023 Projected Actuals	2023 Revised Budget	2022 Revised Budget	2022 Actuals
Fund 01 General Fund	Revenues	\$ (1,680,269.68)	41.3%	\$ (1,362,279.95)	\$ (1,189,529.90)	\$ (896,404.00)	\$ (662,439.77)
	Payroll	1,001,690.00	37.6%	782,323.22	728,237.00	620,809.00	451,527.87
	Operations	821,035.00	20.8%	762,722.81	679,405.00	413,755.00	340,629.17
	Net Operating Results	142,455.32	-34.7%	182,766.08	218,112.10	138,160.00	129,717.27
Fund 03 HHS	Revenues	\$ (144,000.00)	7.2%	\$ (116,025.00)	\$ (134,289.00)	\$ (146,366.00)	\$ (107,375.13)
	Payroll	128,764.00	17.0%	103,085.88	110,064.00	126,450.00	100,204.88
	Operations	22,736.00	-2.4%	11,339.12	23,306.00	17,840.00	6,166.39
	Net Operating Results	7,500.00	-916.1%	(1,600.00)	(919.00)	(2,076.00)	(1,003.86)
Fund 04 Public Health	Revenues	\$ (1,017,236.00)	36.2%	\$ (841,450.00)	\$ (746,954.00)	\$ (644,054.86)	\$ (602,201.33)
	Payroll	438,643.00	2.5%	433,125.20	427,950.00	349,364.39	297,477.62
	Operations	508,259.10	92.7%	362,472.53	263,813.00	246,677.70	259,656.70
	Net Operating Results	(70,333.90)	27.4%	(45,852.27)	(55,191.00)	(48,012.77)	(45,067.01)

Juvenile Services withing Fund 3 and 4 results are included in the HHS Summary: these results are not additive to the prior summary page

Emergency Management

		2024 Proposed Budget		2023 Projected Actuals	2023 Revised Budget	2022 Revised Budget	2022 Actuals
Fund 01 General Fund	Revenues	\$ (37,883.00)	-1.27%	\$ (38,370.52)	\$ (37,883.00)	\$ (36,940.00)	\$ (48,501.62)
	Payroll	156,667.00	26.14%	124,204.22	122,017.00	118,880.00	108,658.33
	Operations	51,806.00	45.69%	35,559.20	40,140.00	37,110.00	38,371.89
	Net Operating Results	170,590.00	40.53%	121,392.90	124,274.00	119,050.00	98,528.60

Emergency Management is within General Fund (Fund 01)