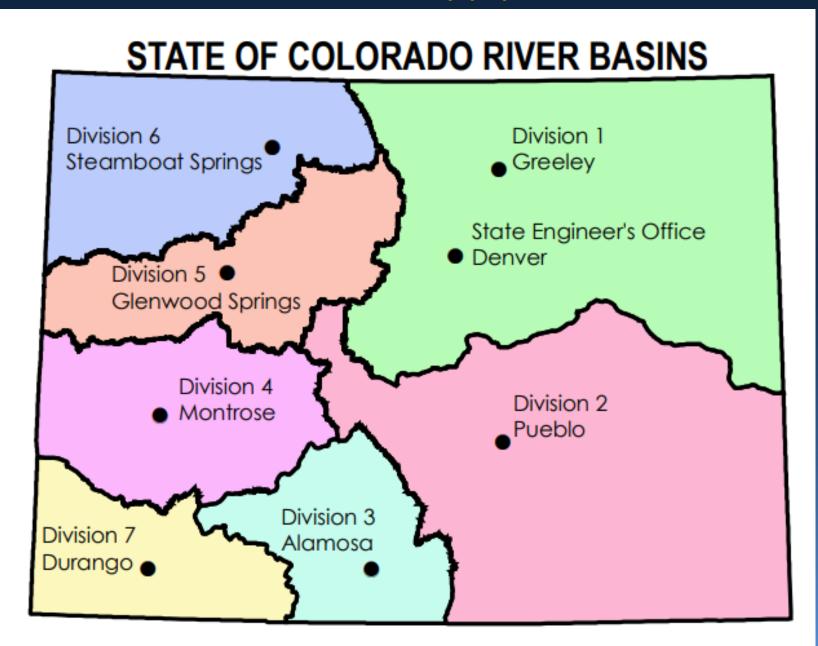


# Presentation Outline

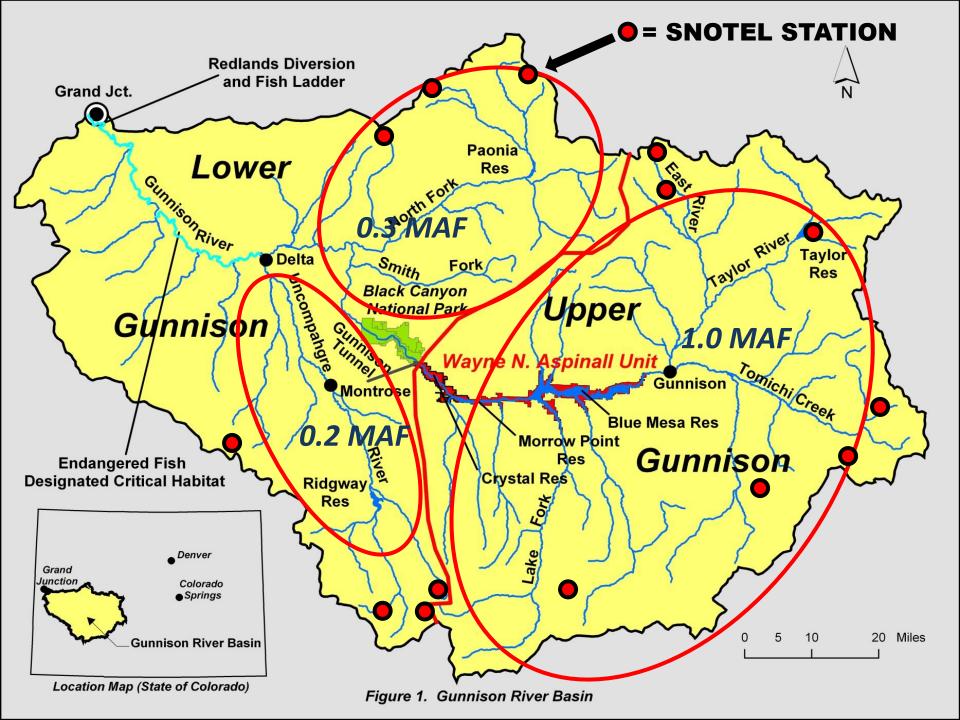
- Introduction Lay of the Land and Sub-Basins of the Gunnison
- Water Supply and Snowpack
- Walk through the Sub-Basins
  - Upper Gunnison and Blue Mesa Reservoir
  - The Uncompange River and Ridgway Reservoir
  - The North Fork Gunnison River (Including the Grand Mesa)
- A Look Ahead

## Water Supply



# Snowpack -The Main Source







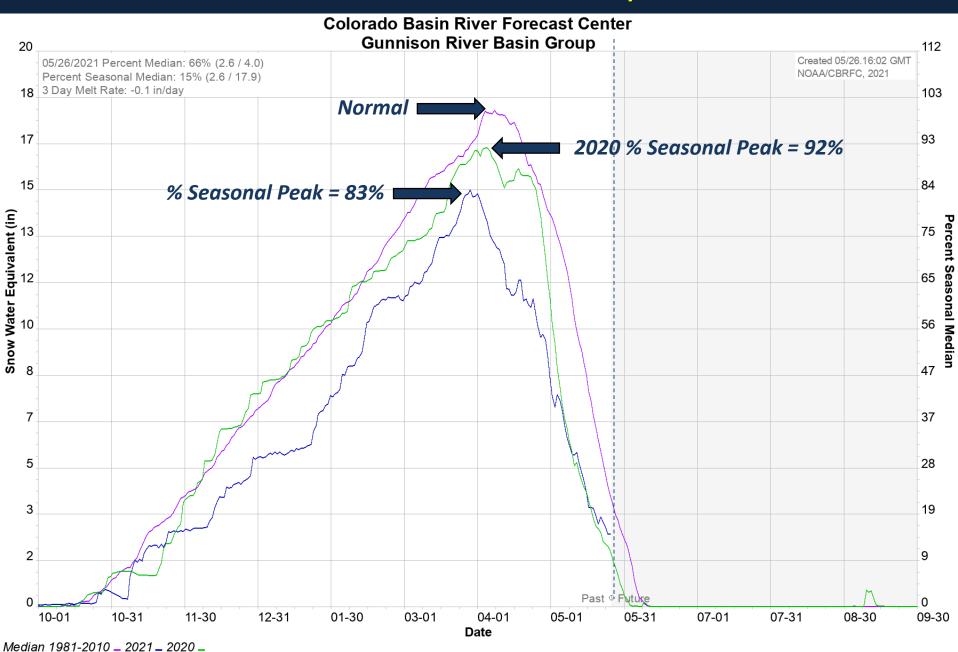








## Gunnison River Basin Snowpack 2021



# Blue Mesa 2007



# Blue Mesa 2002



## The Upper Gunnison River Basin 2021 April –July Runoff Forecast into Blue Mesa Res

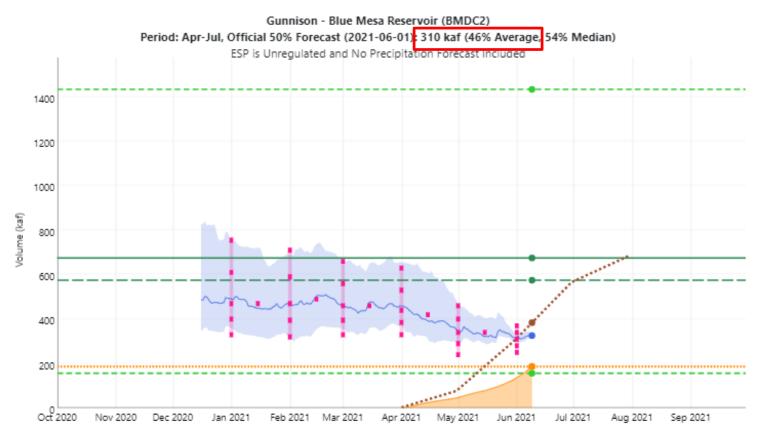


Rivers - Snow - Water Supply -

Reservoirs \*

Last Year (2020) Apr-July Actual Runoff = 387,000 AF

#### Water Supply Forecast



2021/06/09:

Max 1984: 1433.01

Min 2002: 156.55 Average: 675

Median: 575

Observed Accumulation: 187

Observed Total: 187

Normal Accumulation: 384

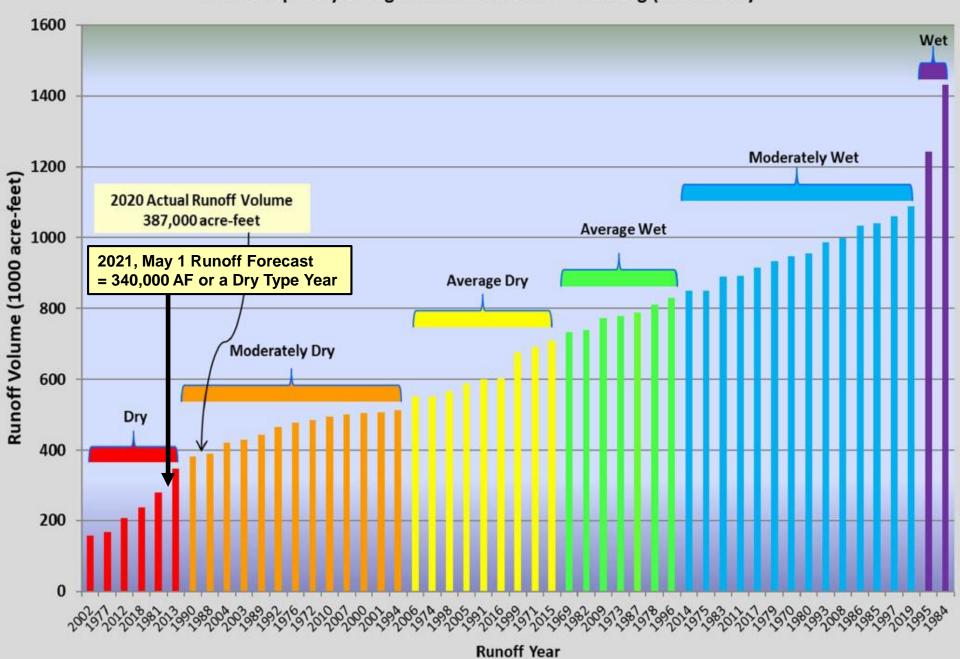
ESP: 326

# Spring Peak & Duration Targets Based on Hydrologic Year Type

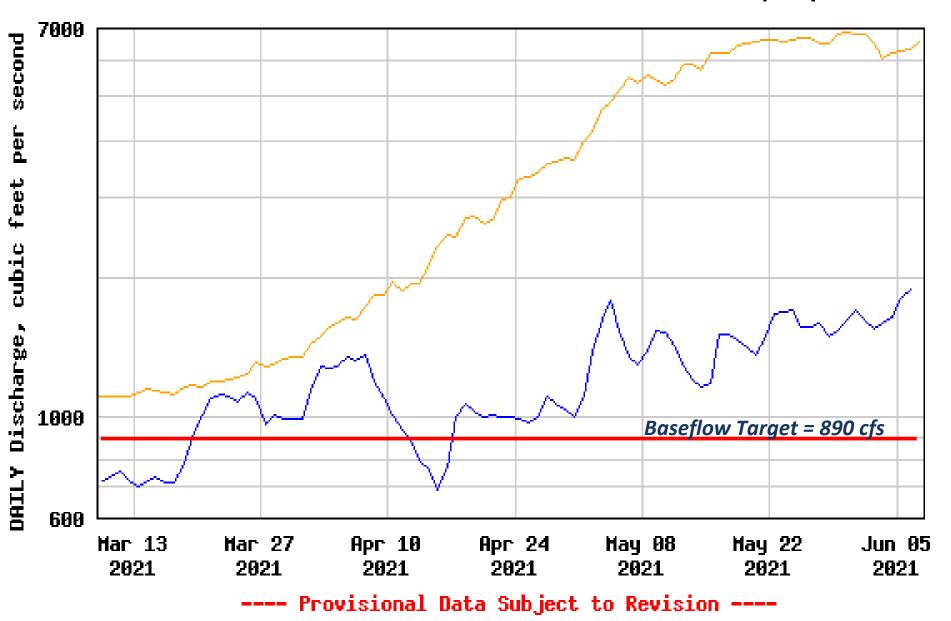
Year Type	Blue Mesa Forecasted	Desired Peak at Whitewater	Duration of Half Bank (8,070 cfs)	Duration of Peak Flow (up to 14,350 cfs)	
	April-July Inflow				
	Af	cfs	Days	Days	
DRY	May 1 Runoff < 381,000	Forecast = 340,000 AF or a I 900	Dry Type Year 0	0	
MOD DRY	381,000 to 516,000	2,600 to 8,070	0	0	
AVG DRY	516,001 to 709,000	8,070	10	0	
AVG WET	709,001 to 831,000	8,070 to 14,350	20	2	
MOD WET	831,001 to 1,123,000	14,350	40	10	
WET	>1,123,000	14,350	60	15	

**Blue Mesa Reservoir** 

Historic Apr-July Unregulated Inflow Volume Ranking (1969-2019)



#### USGS 09152500 GUNNISON RIVER NEAR GRAND JUNCTION, CO.

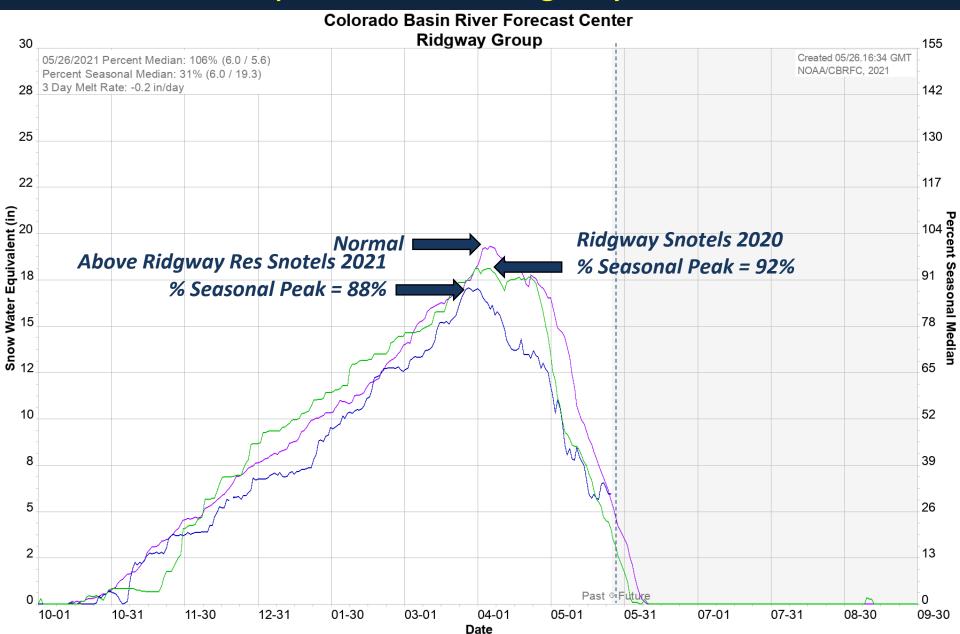


— Median daily statistic (112 years) — Daily mean discharge

# The Uncompangre River Basin Ridgway Reservoir



# Snowpack Above Ridgway Res 2021

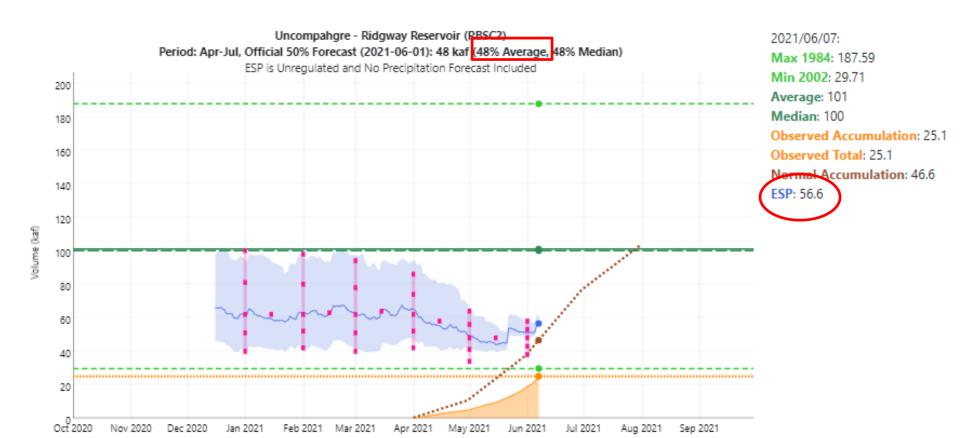


Median 1981-2010 \_ 2021 \_ 2020 \_

## 2021 April –July Runoff Forecast into Ridgway Res

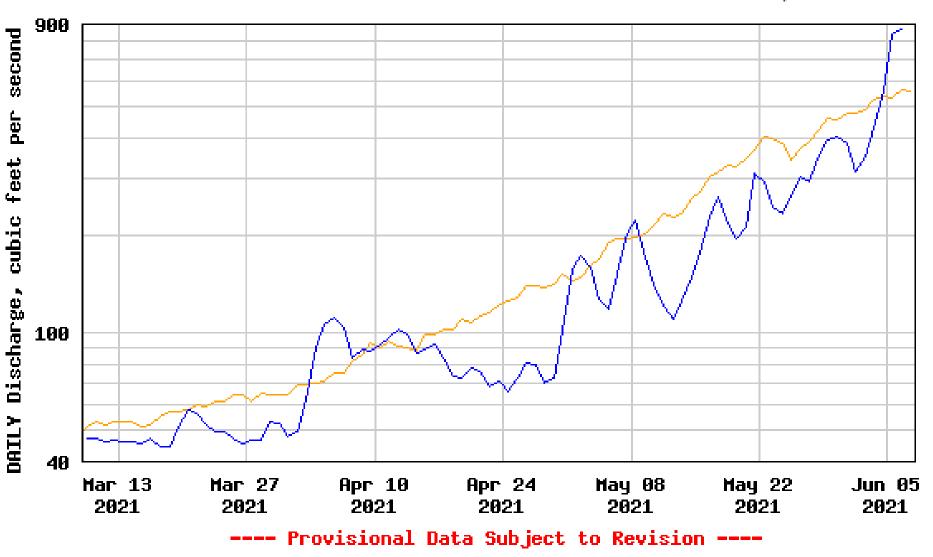


#### Water Supply Forecast

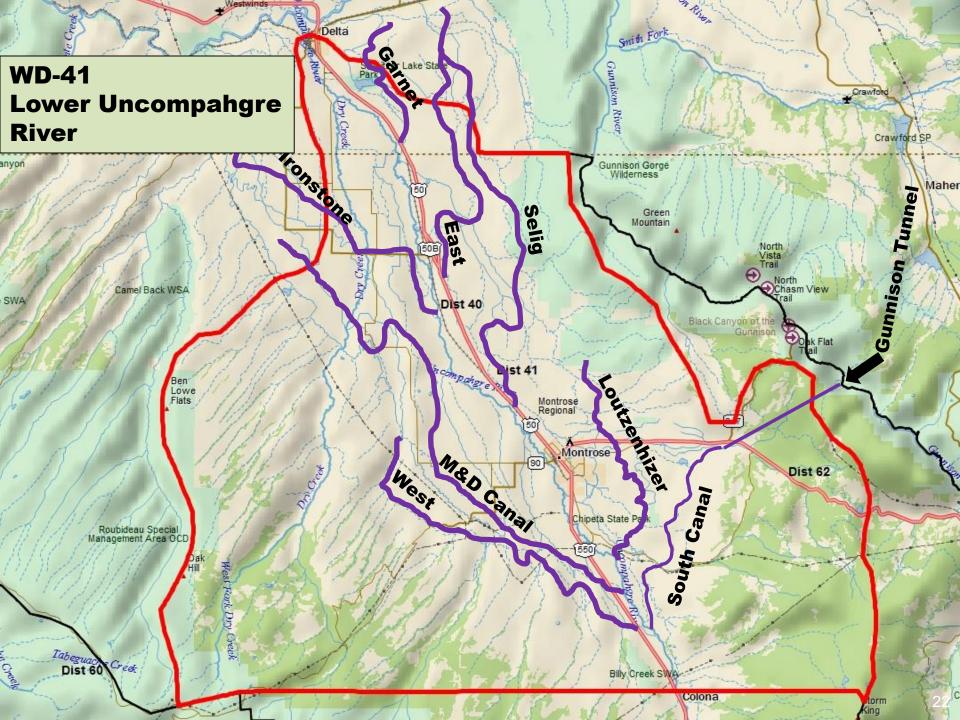




### USGS 09146200 UNCOMPAHGRE RIVER NEAR RIDGWAY, CO.



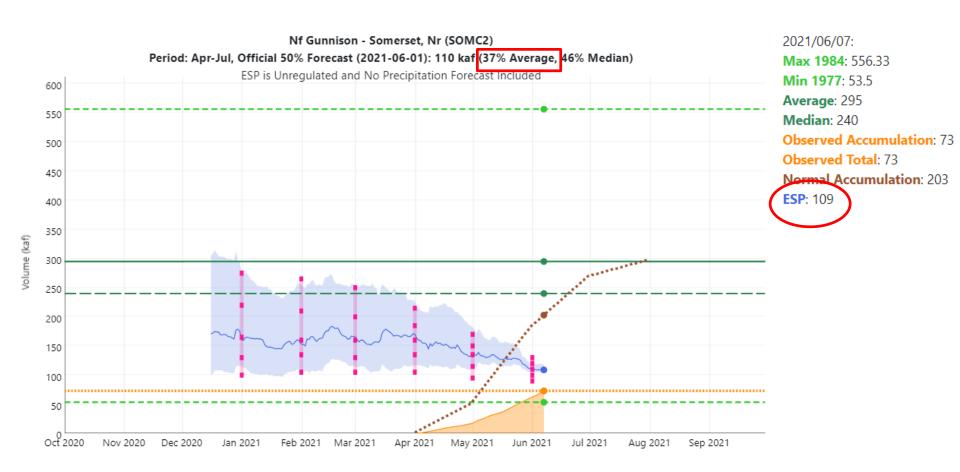
Median daily statistic (62 years) — Daily mean discharge



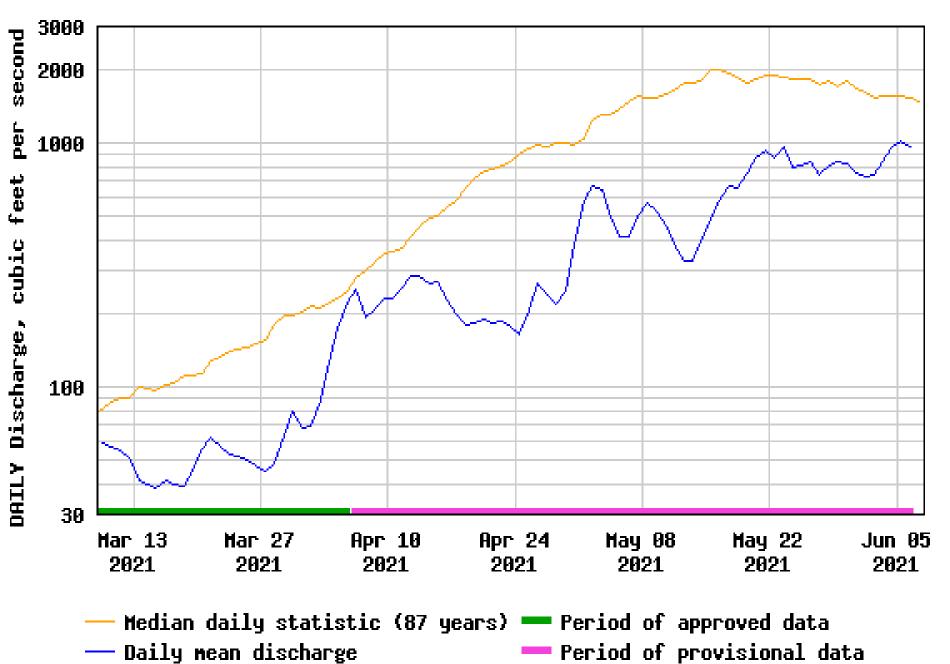
## 2021 April –July Runoff Forecast North Fork Gunnison River

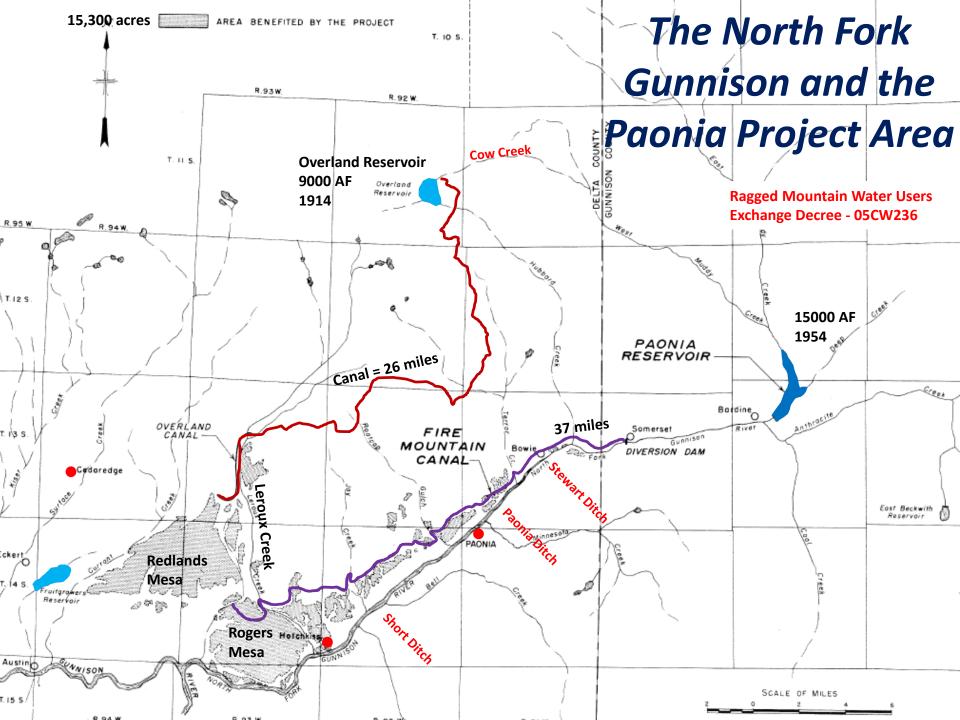


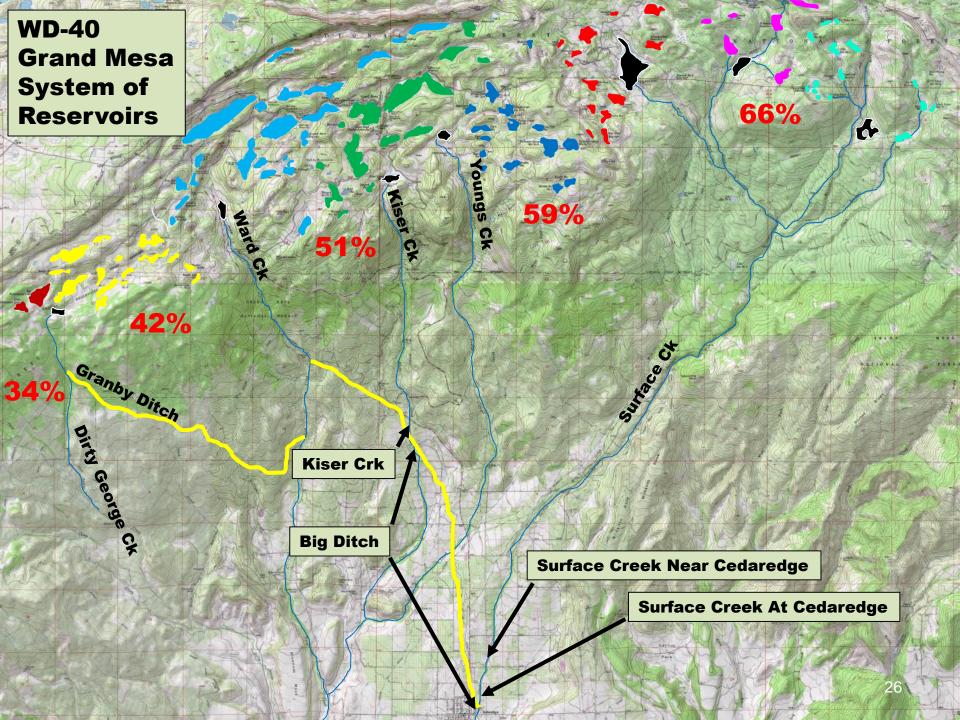
#### **Water Supply Forecast**



#### USGS 09132500 NORTH FORK GUNNISON RIVER NEAR SOMERSET, CO.







## Current Colorado Statewide Drought Conditions 2021

U.S. Drought Monitor
Colorado

#### June 1, 2021

(Released Thursday, Jun. 3, 2021)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

*	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	51.10	8.90	43.36	35.53	29.15	16.39
Last Week 05-25-2021	33.83	66.17	46.22	35.53	29.15	16.39
3 Month's Ago 03-02-2021	0.00	100.00	98.57	88.76	56.66	15.89
Start of Calendar Year 12-29-2020	0.00	100.00	100.00	93.73	76.17	27.60
Start of Water Year 09-29-2020	0.00	100.00	99.29	89.35	52.88	2.64
One Year Ago 06-02-2020	23.22	76.78	63.50	47.08	19.46	0.00

#### Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx

#### Author:

Brian Fuchs National Drought Mitigation Center

# 30-Day Weather Outlook

