

Colorado Dust-on-Snow Program

# WY 2023 Dust Enhanced Runoff Classification

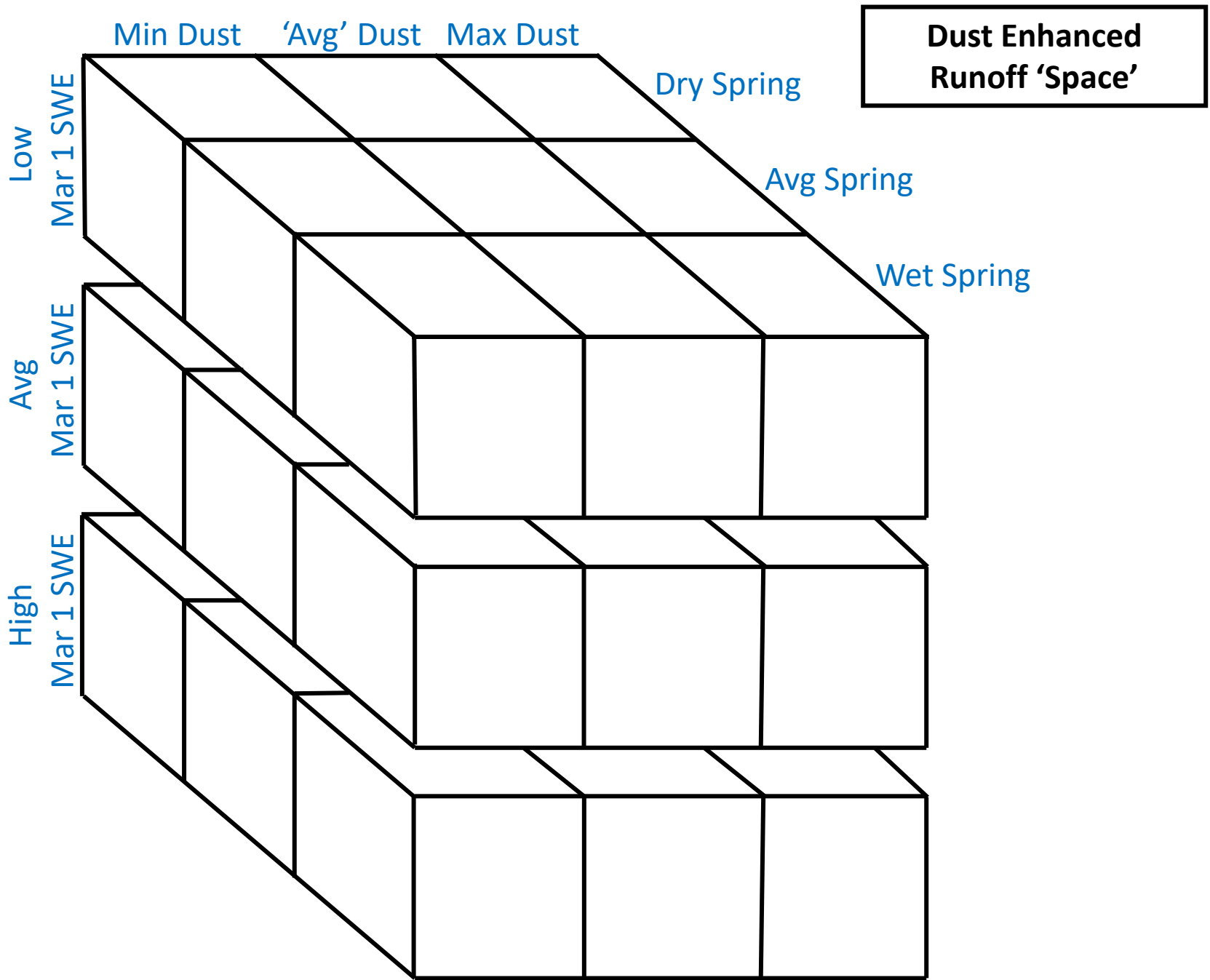
Blue River Watershed

Tarryall Creek Watershed

as of: March 1, 2023 Update

for:

Hoosier Pass Snotel, Blue River near Dillon, Tarryall Creek at Upper Station



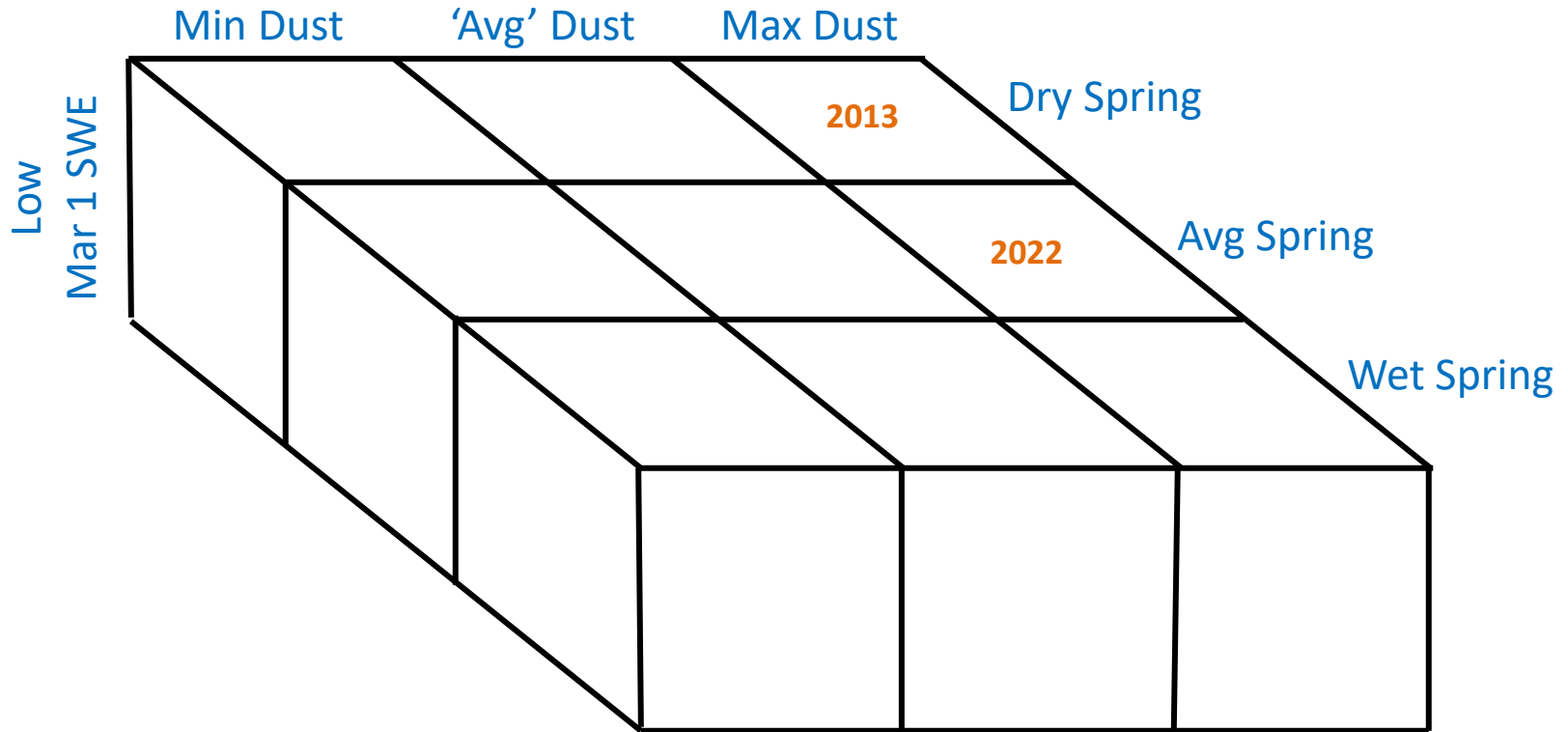
**% 1991-2020 Median March 1 SWE**

SNOTEL Site	Median	Actual	% Median SWE	<b>CODOS Classification based on 1991-2020</b>
	SWE	SWE	1991-2020	
	March 1	March 1	March 1	
	1991-2020	WY 2023	WY 2023	
Red Mtn Pass	17.1	22.6	132%	<b>High</b>
Slumgullion	10.6	10.5	99%	<b>Average</b>
Upper San Juan	23.9	32.4	136%	<b>High</b>
Wolf Creek Summit	24.4	34.1	140%	<b>High</b>
Beartown	16.6	22.8	137%	<b>High</b>
Lizard Head	11.8	16.8	142%	<b>High</b>
Park Cone	8.2	10.1	123%	<b>High</b>
Schofield Pass	24.2	34.1	141%	<b>High</b>
McClure Pass	13.4	21.2	158%	<b>High</b>
Independence Pass	13.0	13.0	100%	<b>Average</b>
Hoosier Pass	11.4	9.7	85%	<b>Low</b>
Grizzly Peak	13.6	12.9	95%	<b>Average</b>
Berthoud Summit	13.8	14.6	106%	<b>Average</b>
Willow Creek Pass	10.6	13.1	124%	<b>High</b>
Rabbit Ears Pass	19.6	23.9	122%	<b>High</b>
Mesa Lakes	12.3	16.1	131%	<b>High</b>

<b>Blue River Watershed</b>				
Hoosier Pass Snotel				
		<b>Dry Spring</b>	<b>Avg Spring</b>	<b>Wet Spring</b>
<b>LOW March 1 SWE</b>	<b>Min Dust</b>			
	<b>Avg Dust</b>			
	<b>Max Dust</b>		2022	2013
<b>AVG March 1 SWE</b>	<b>Min Dust</b>			2016
	<b>Avg Dust</b>	2012, 2018	2021	
	<b>Max Dust</b>		2010	
<b>HIGH March 1 SWE</b>	<b>Min Dust</b>	2020	2007	2015, 2017
	<b>Avg Dust</b>		2008, 2014	2011, 2019
	<b>Max Dust</b>	2006	2009	

<b>Tarryall Creek Watershed</b>				
Hoosier Pass Snotel				
		<b>Dry Spring</b>	<b>Avg Spring</b>	<b>Wet Spring</b>
<b>LOW March 1 SWE</b>	<b>Min Dust</b>			
	<b>Avg Dust</b>			
	<b>Max Dust</b>		2022	2013
<b>AVG March 1 SWE</b>	<b>Min Dust</b>			2016
	<b>Avg Dust</b>	2012, 2018	2021	
	<b>Max Dust</b>		2010	
<b>HIGH March 1 SWE</b>	<b>Min Dust</b>	2020	2007	2015, 2017
	<b>Avg Dust</b>		2008, 2014	2011, 2019
	<b>Max Dust</b>	2006	2009	

Blue River & Tarryall Creek Watersheds – Hoosier Pass Snotel  
WY 2023 = Low March 1 SWE

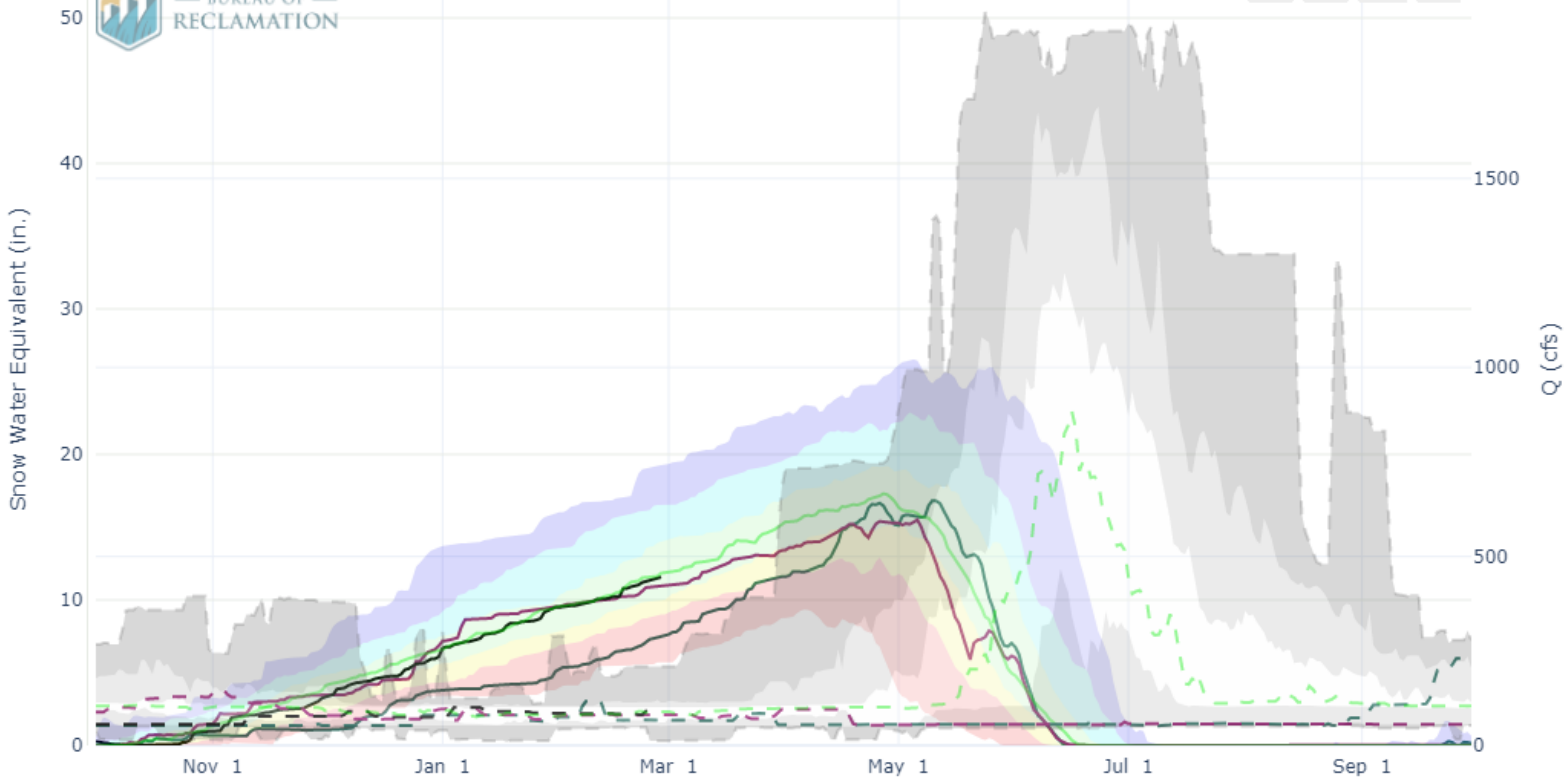


# Snow to Flow Relationship for Blue R bl Dillon Reservoir



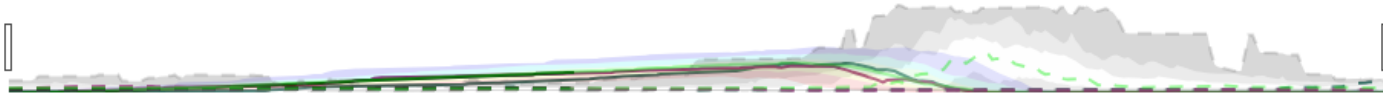
BUREAU OF RECLAMATION

Jan Apr July WY 2000



- Station List
- Median
  - Median
  - Q Stats
  - SWE Stats
  - 2023 (4 sites)
  - 2022 (4 sites)
  - 2021 (4 sites)
  - 2020 (4 sites)
  - 2019 (4 sites)
  - 2018 (4 sites)
  - 2017 (4 sites)
  - 2016 (4 sites)
  - 2015 (4 sites)
  - 2014 (4 sites)
  - 2013 (4 sites)
  - 2012 (4 sites)
  - 2011 (4 sites)
  - 2010 (4 sites)
  - 2009 (4 sites)
  - 2008 (4 sites)
  - 2007 (4 sites)
  - 2006 (4 sites)
  - 2005 (4 sites)
  - 2004 (4 sites)
  - 2003 (4 sites)
  - 2002 (4 sites)

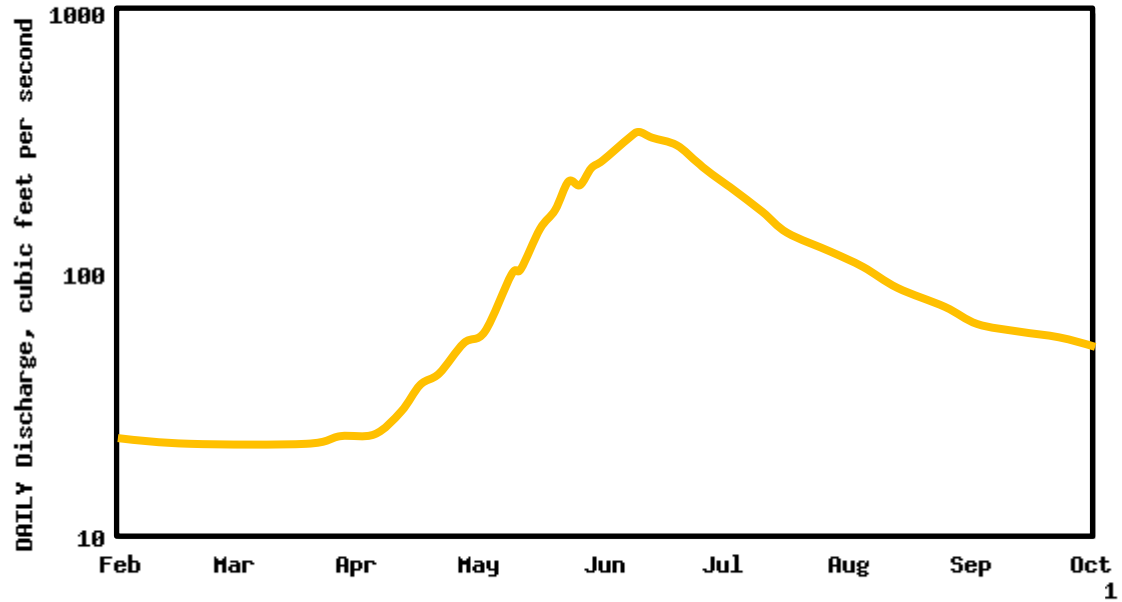
Linear Scale  
Log Scale



\* # of sites does not meet basin threshold. Data from this year will not for use in calculation of statistics  
Updated: "Tuesday, Feb 28, 2023 @ 04 AM PST"



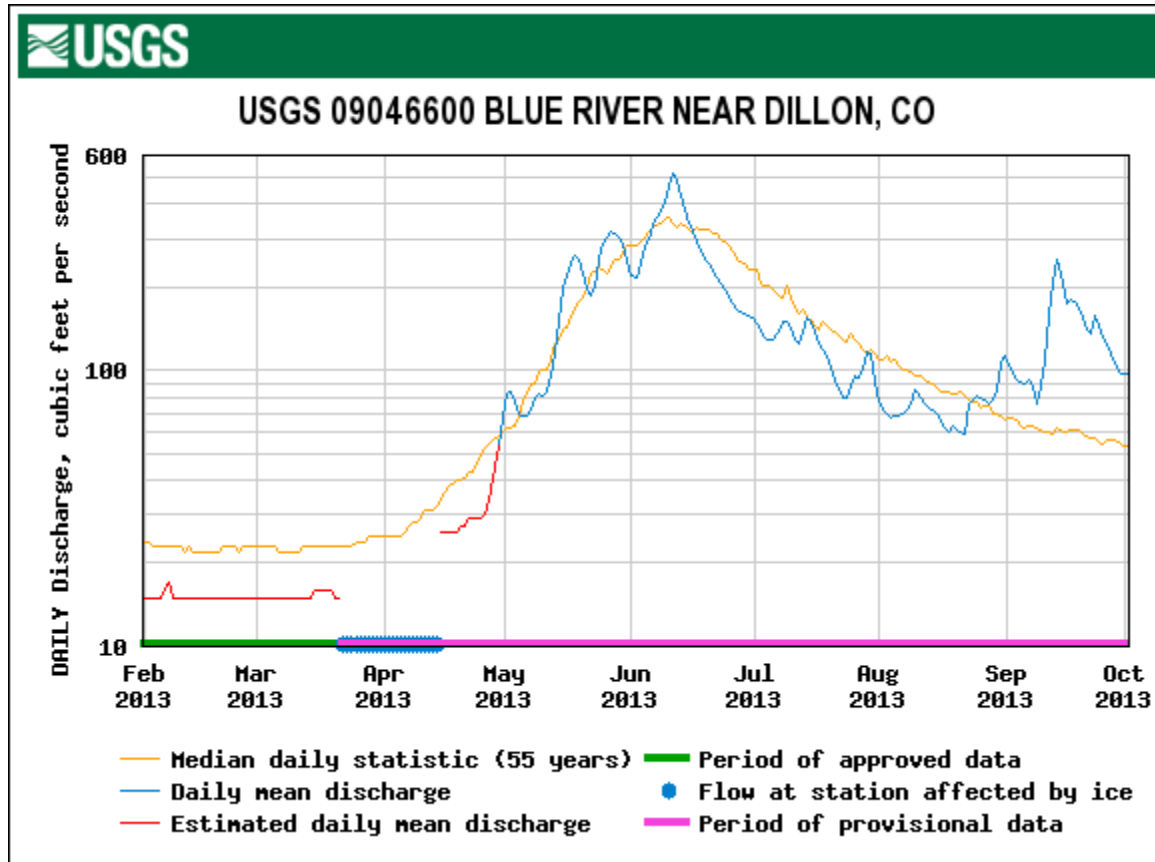
### USGS 09046600 BLUE RIVER NEAR DILLON, CO



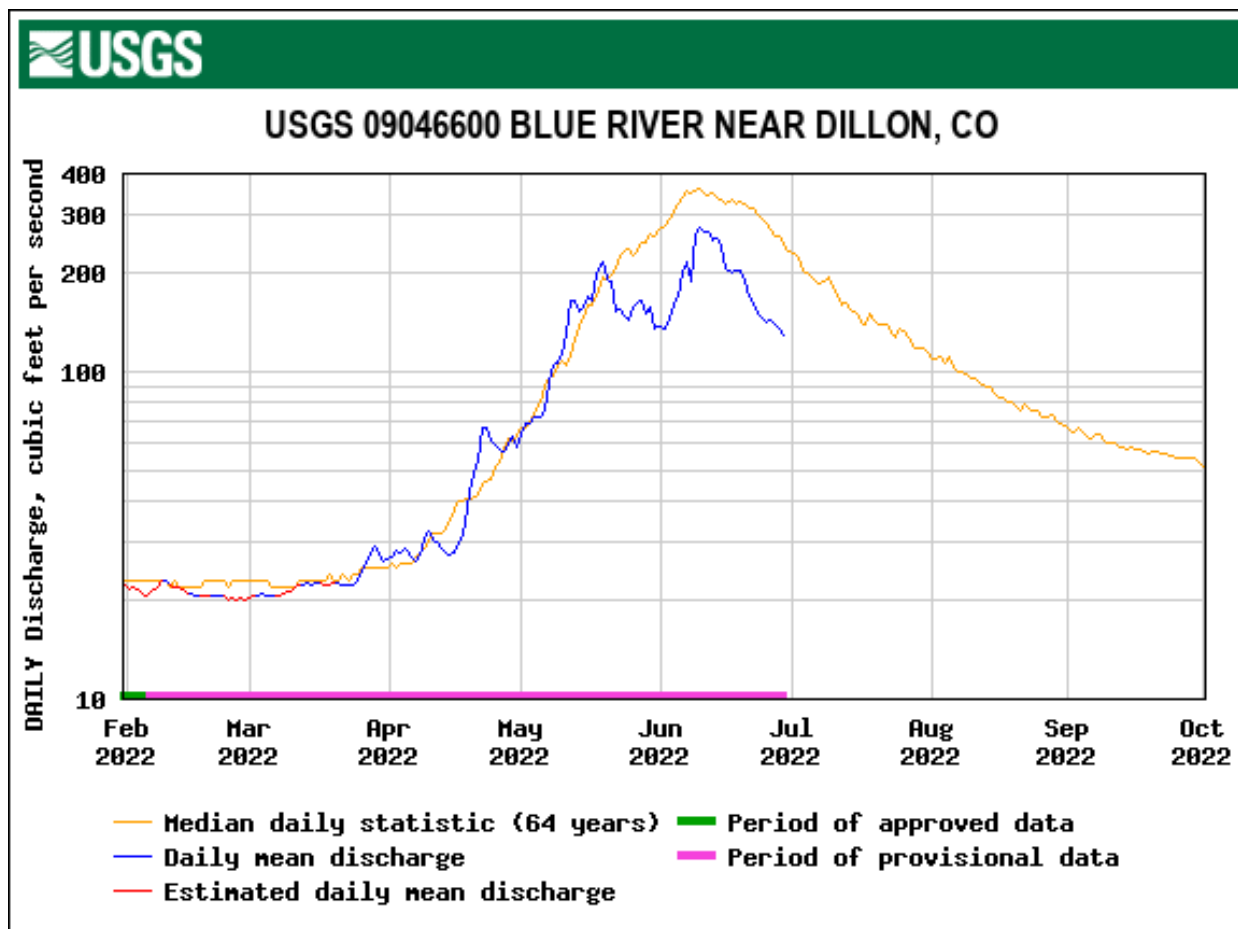
— Median daily statistic (55 years) — Estimated daily mean discharge  
— Daily mean discharge — Period of approved data



# WY 2013: Low March 1 SWE, Wet Spring, Max Dust

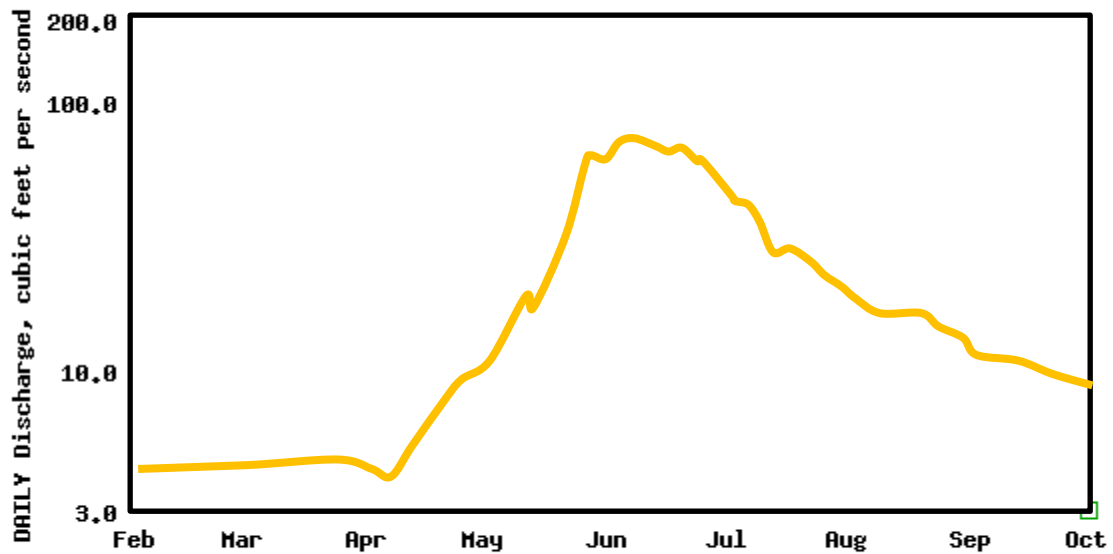


## WY 2022: Low March 1 SWE, Avg Spring, High Dust



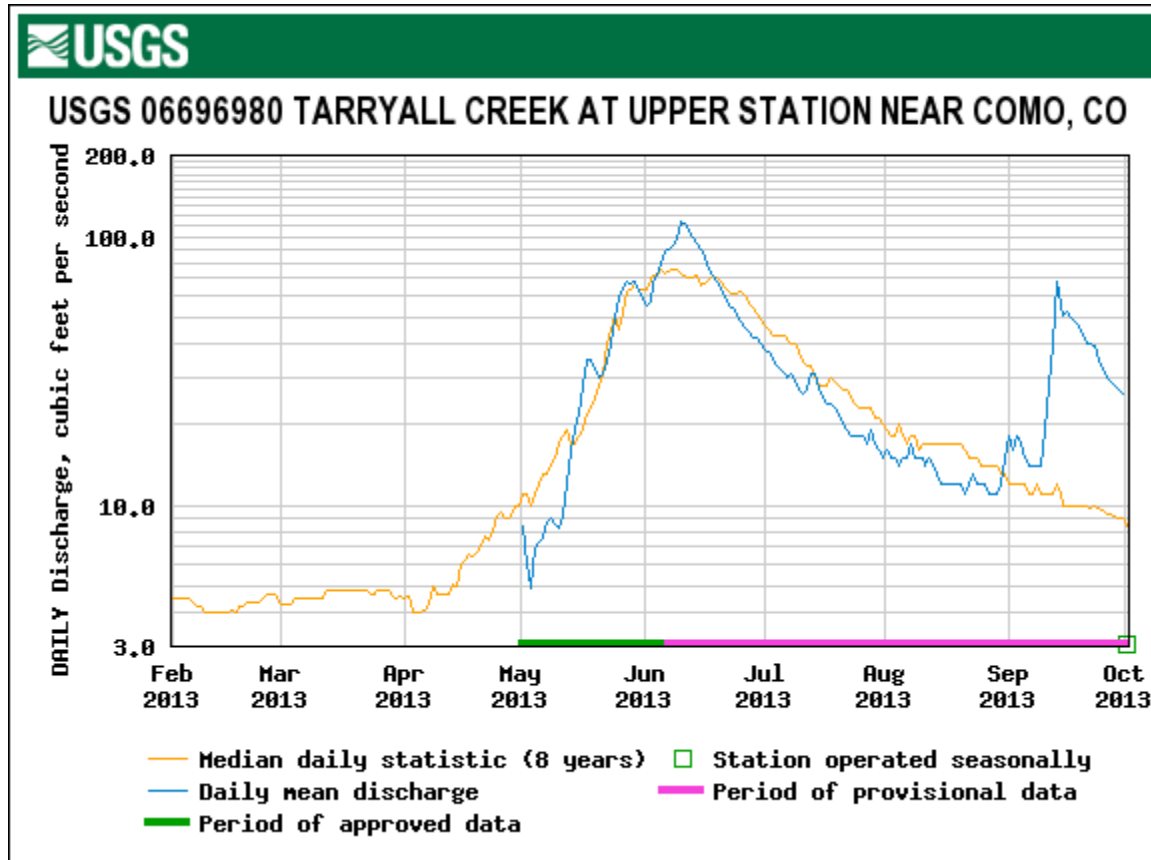


### USGS 06696980 TARRYALL CREEK AT UPPER STATION NEAR COMO, CO



- Median daily statistic (8 years)
- Daily mean discharge
- Period of approved data
- Station operated seasonally
- Period of provisional data

# WY 2013: Low March 1 SWE, Wet Spring, Max Dust



WY 2022: Low March 1 SWE, Avg Spring, Max Dust

