

Colorado Dust-on-Snow Program

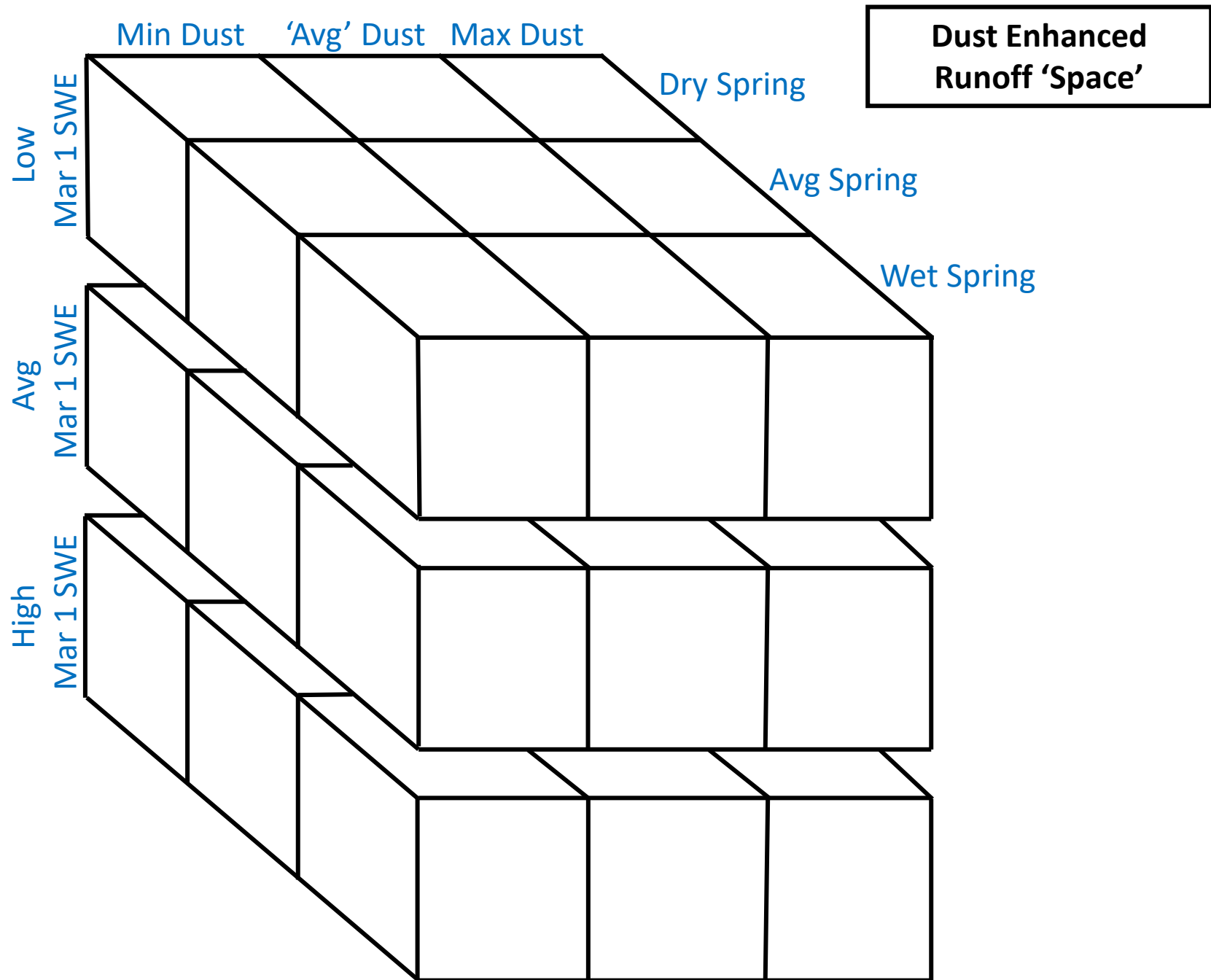
# WY 2023 Dust Enhanced Runoff Classification

## Lake Fork Gunnison River Watershed

as of: March 1, 2023 Update

for:

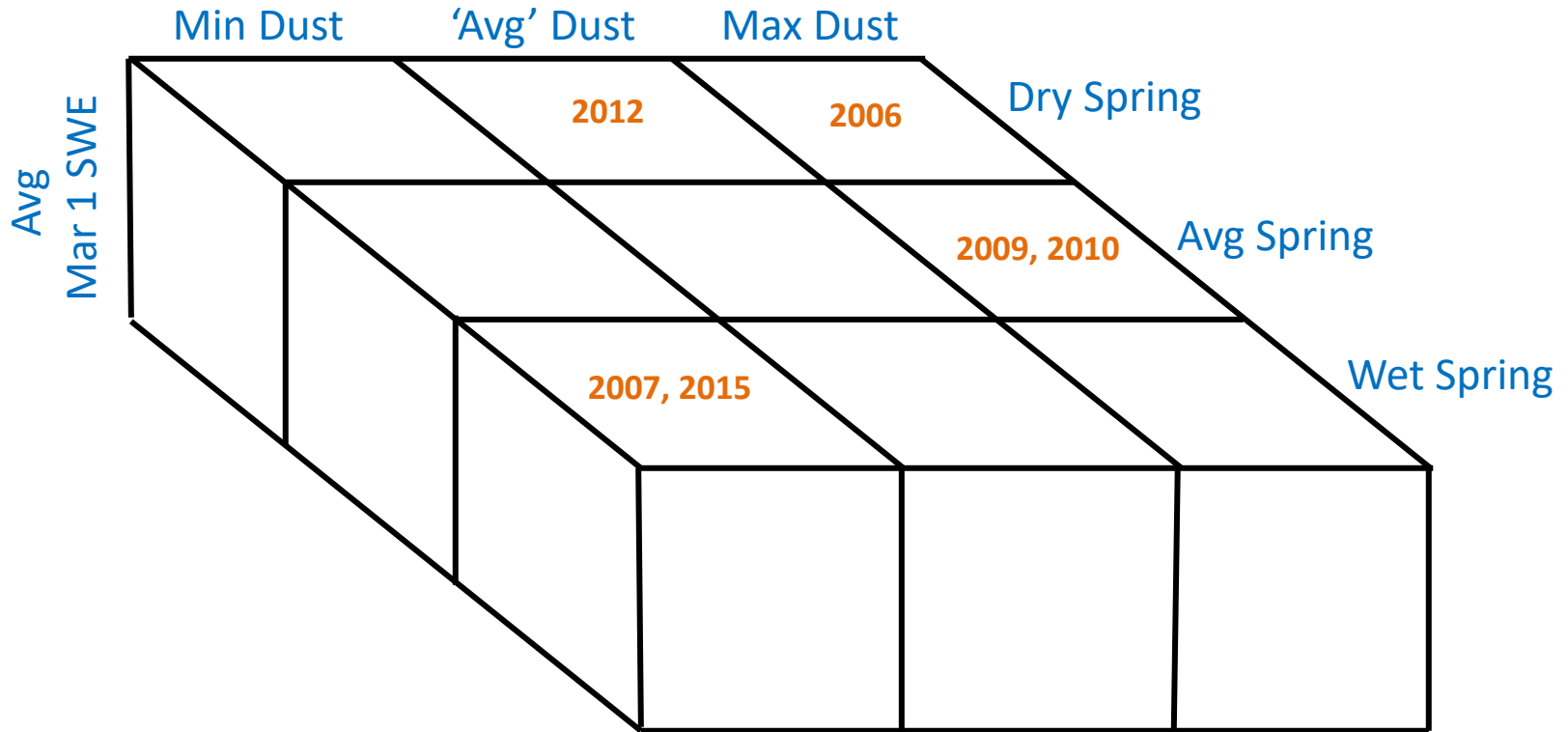
Slumgullion Snotel, Lake Fork at Gateway



<b>CODOS and Other Selected SNOTEL Sites % 1991-2020 Median March 1 SWE</b>				
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	21.4	125%	<b>High</b>
Slumgullion	10.6	10.0	94%	<b>Average</b>
Upper San Juan	23.9	30.0	126%	<b>High</b>
Wolf Creek Summit	24.4	31.6	130%	<b>High</b>
Beartown	16.6	21.3	128%	<b>High</b>
Lizard Head	11.8	15.9	135%	<b>High</b>
Park Cone	8.2	9.5	116%	<b>High</b>
Schofield Pass	24.2	32.1	133%	<b>High</b>
McClure Pass	13.4	19.9	149%	<b>High</b>
Independence Pass	13.0	12.5	96%	<b>Average</b>
Hoosier Pass	10.4	9.5	91%	<b>Average</b>
Grizzly Peak	13.6	12.4	91%	<b>Average</b>
Berthoud Summit	13.8	14.1	102%	<b>Average</b>
Willow Creek Pass	10.6	13.1	124%	<b>High</b>
Rabbit Ears Pass	19.6	23.7	121%	<b>High</b>
Mesa Lakes	12.3	15.6	127%	<b>High</b>

<b>Gunnison Watershed - Lake Fork</b>				
Slumgullion 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>	2018, 2021		
	<b>Max Dust</b>	2013, 2022		
<b>AVG March 1 SWE</b>	<b>Min Dust</b>			2007, 2015
	<b>Avg Dust</b>	2012		
	<b>Max Dust</b>	2006	2009, 2010	
<b>HIGH March 1 SWE</b>	<b>Min Dust</b>			
	<b>Avg Dust</b>	2020	2008, 2014, 2016, 2017	2011, 2019
	<b>Max Dust</b>			

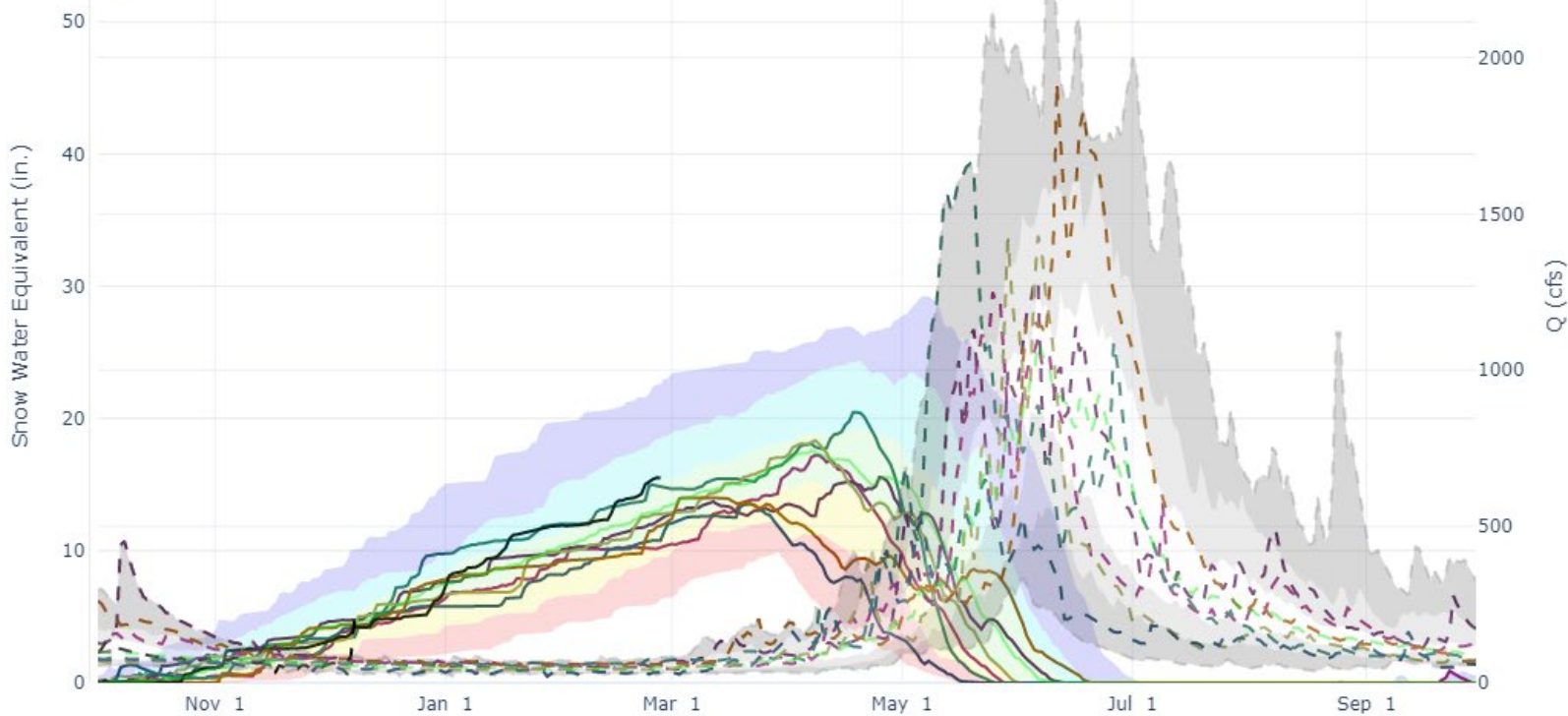
Lake Fork Gunnison River Watershed – Slumgullion Snotel  
WY 2023 = Avg March 1 SWE



# Snow to Flow Relationship for Lake Fk at Gateview



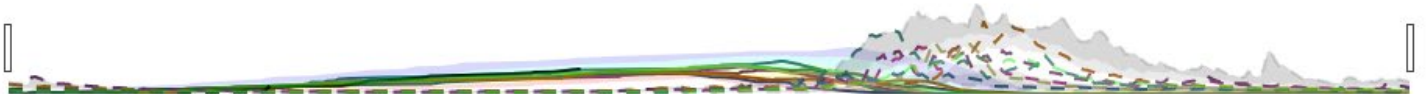
Jan Apr July WY



- Station List
- Median
  - Median
  - Q Stats
  - SWE Stats
  - 2023 (6 sites)
  - 2022 (6 sites)
  - 2021 (6 sites)
  - 2020 (6 sites)
  - 2019 (6 sites)
  - 2018 (6 sites)
  - 2017 (6 sites)
  - 2016 (6 sites)
  - 2015 (6 sites)
  - 2014 (6 sites)
  - 2013 (6 sites)
  - 2012 (6 sites)
  - 2011 (6 sites)
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  - 2009 (6 sites)
  - 2008 (6 sites)
  - 2007 (6 sites)
  - 2006 (6 sites)
  - 2005 (6 sites)
  - 2004 (6 sites)
  - 2003 (6 sites)
  - 2002 (6 sites)

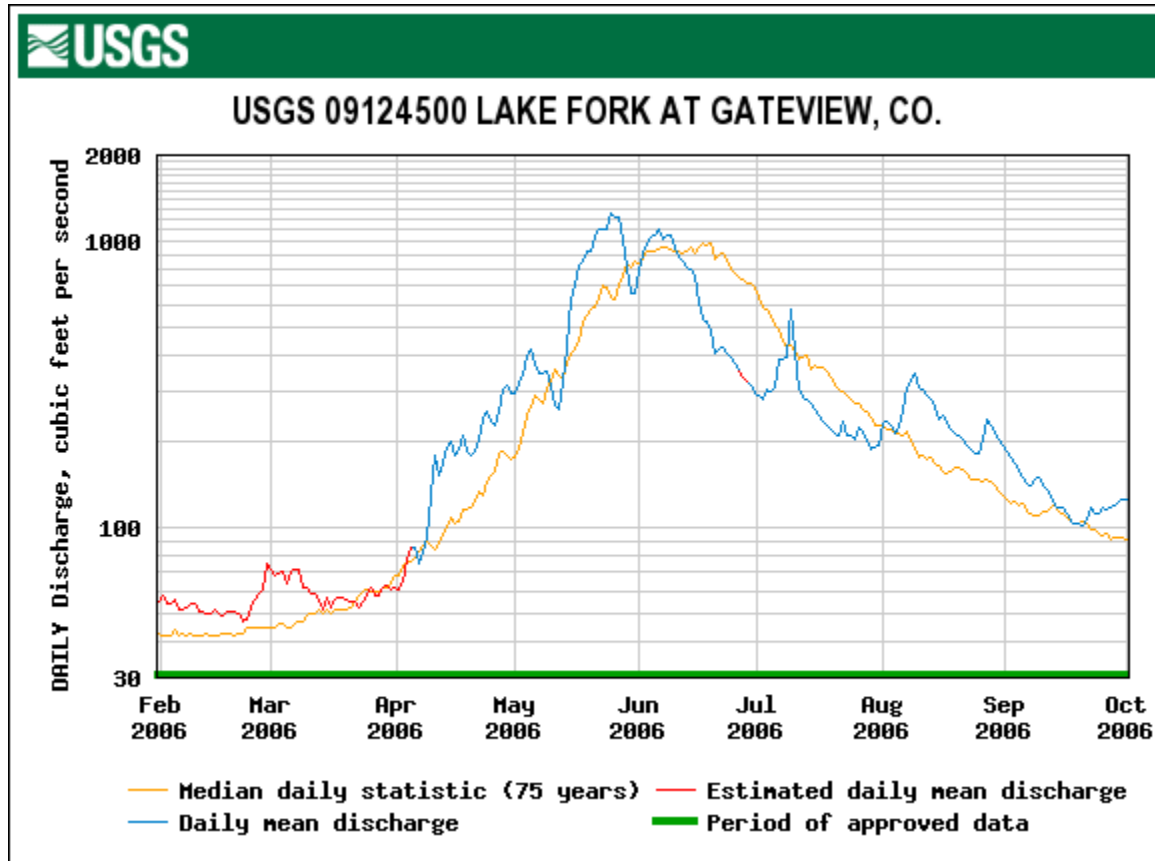
Linear Scale

Log Scale

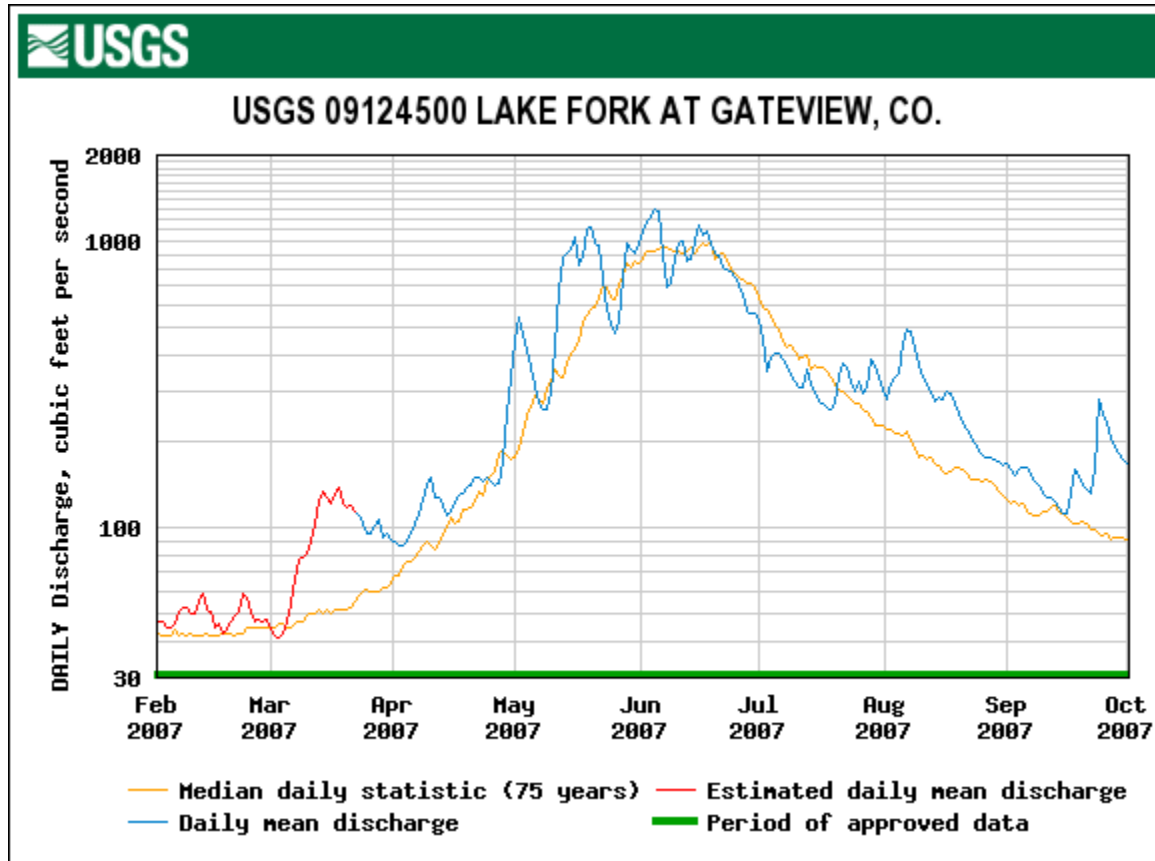


\* # of sites does not meet basin threshold. Data from this year will not for use in calculation of statistics  
 Updated: "Monday, Feb 27, 2023 @ 04 AM PST"

WY 2006: Avg March 1 SWE, Dry Spring, Max- Dust

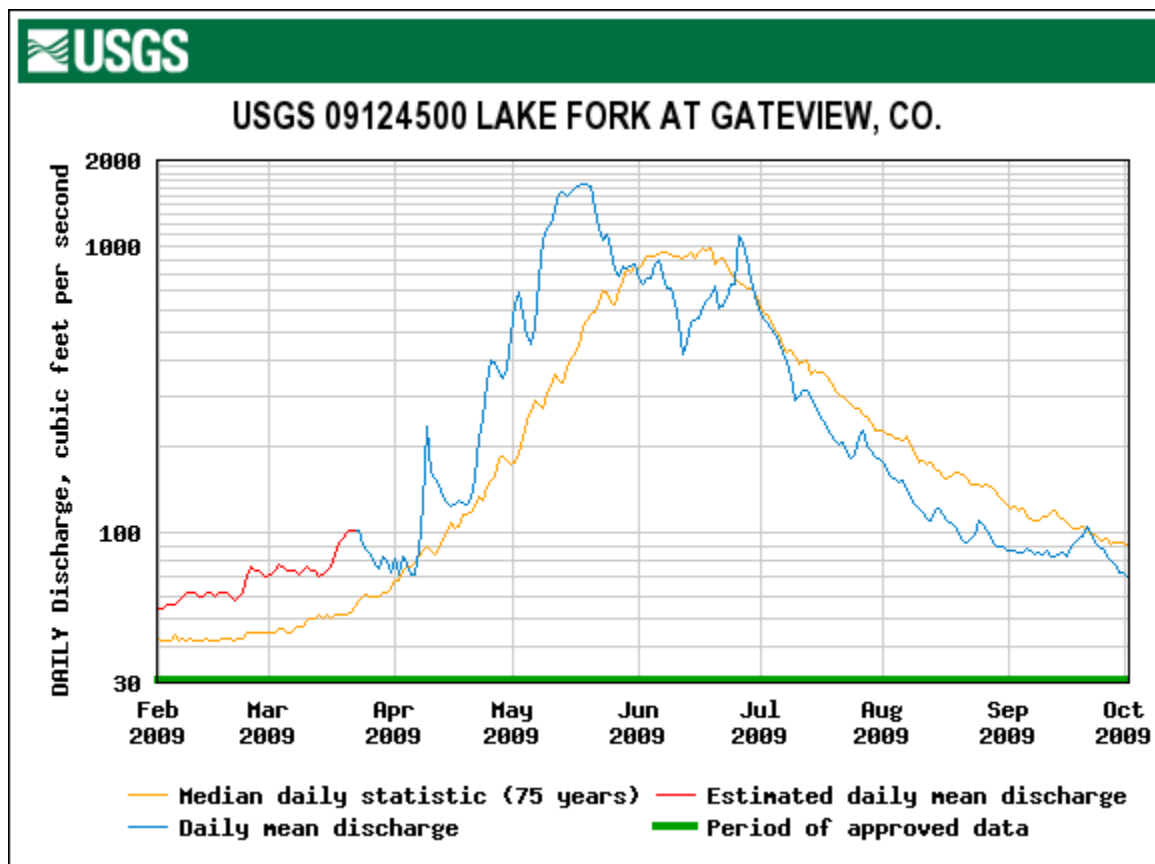


WY 2007: Avg March 1 SWE, Wet Spring, Min+ Dust

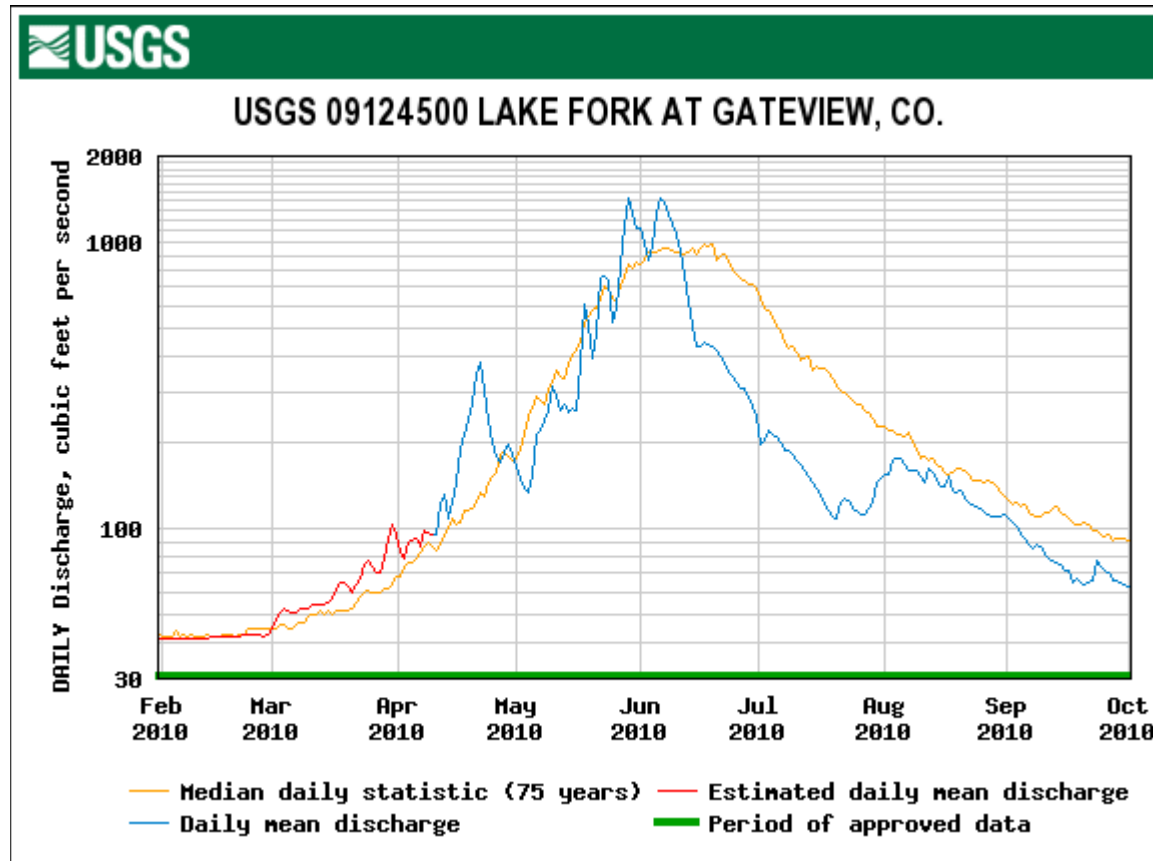




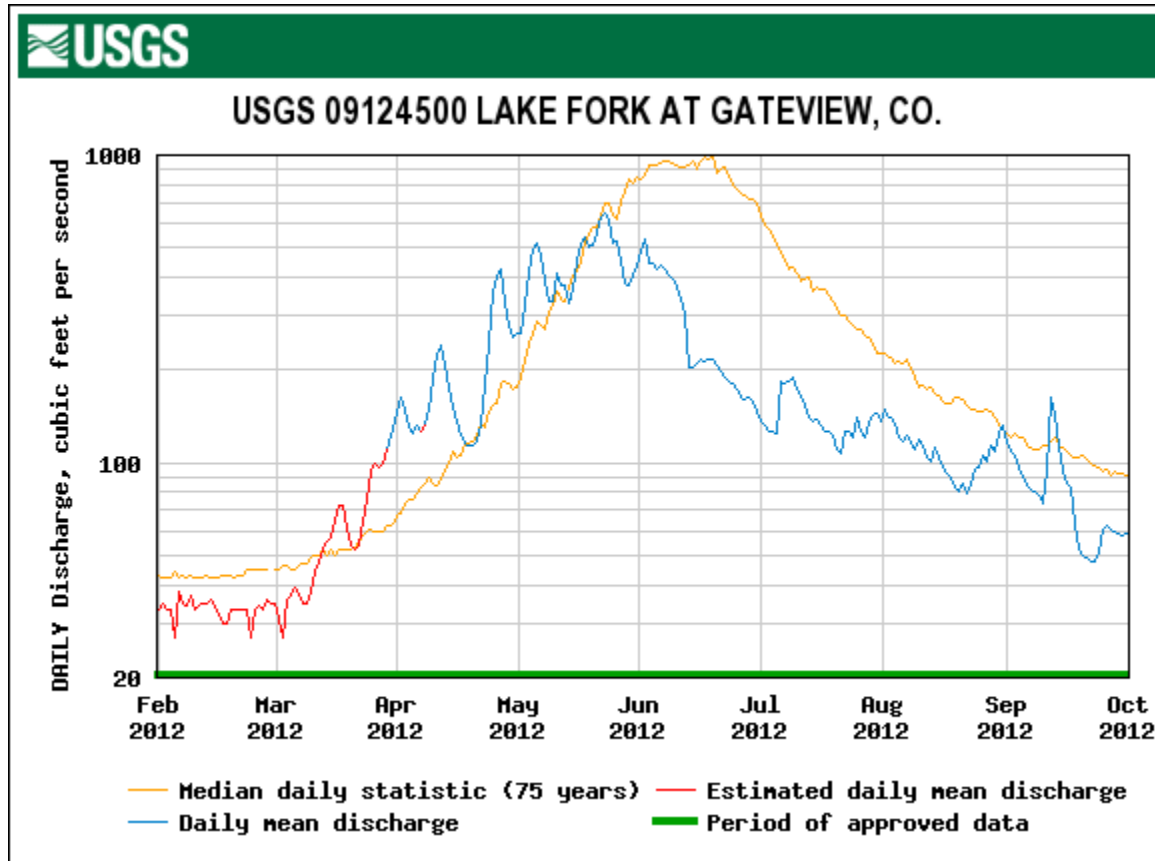
# WY 2009: Avg March 1 SWE, Avg Spring, Max Dust



# WY 2010: Avg March 1 SWE, Avg Spring, Max- Dust



# WY 2012: Avg March 1 SWE, Dry Spring, Avg Dust



# WY 2015: Avg March 1 SWE, Wet Spring, Min Dust

