

Colorado Dust-on-Snow Program

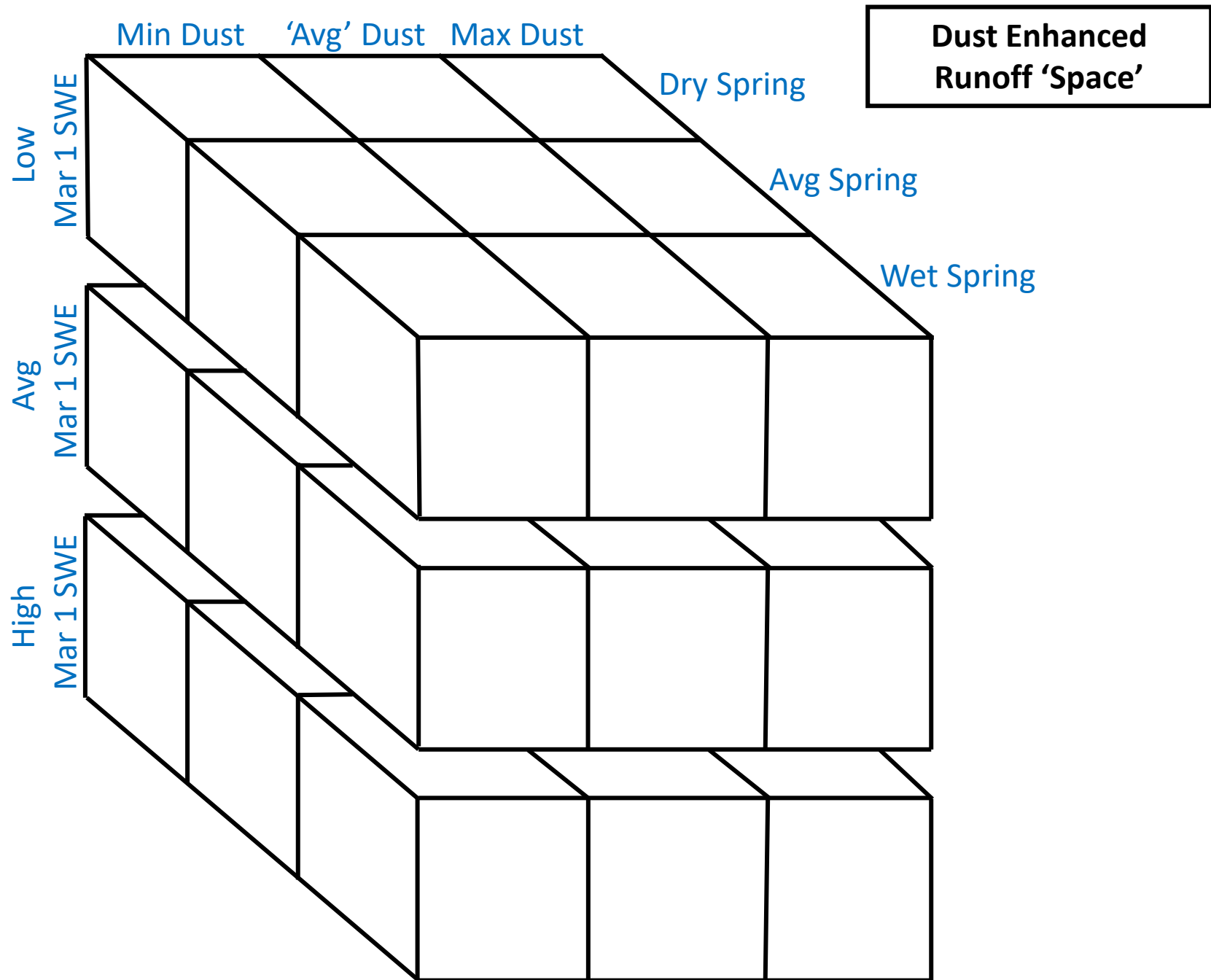
# WY 2023 Dust Enhanced Runoff Classification

## Muddy Creek Watershed

as of: March 1, 2023 Update

for:

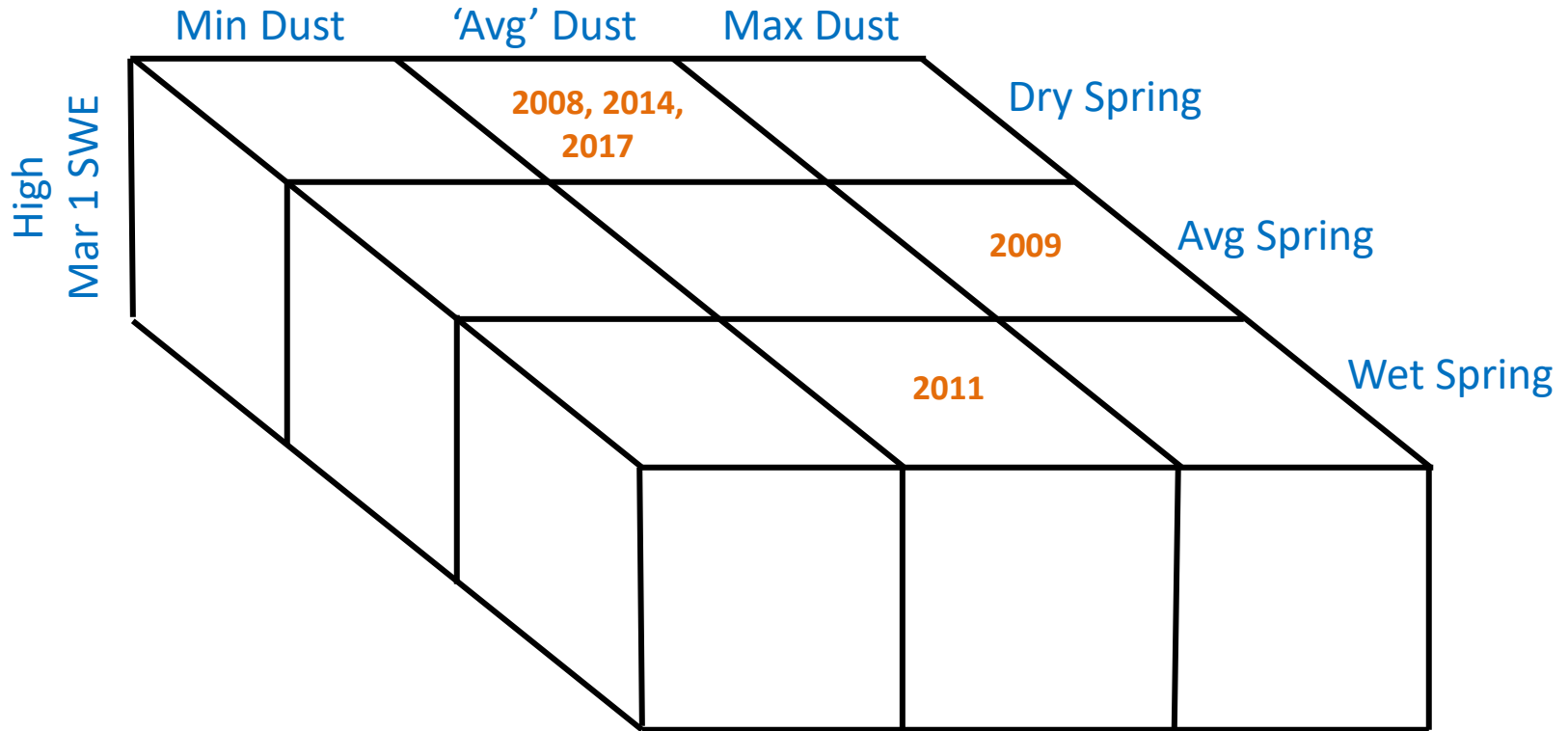
McClure Pass Snotel, Muddy Creek above Paonia Reservoir



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

Muddy Creek Watersheds – McClure Pass Snotel  
**WY 2023 = High March 1 SWE**

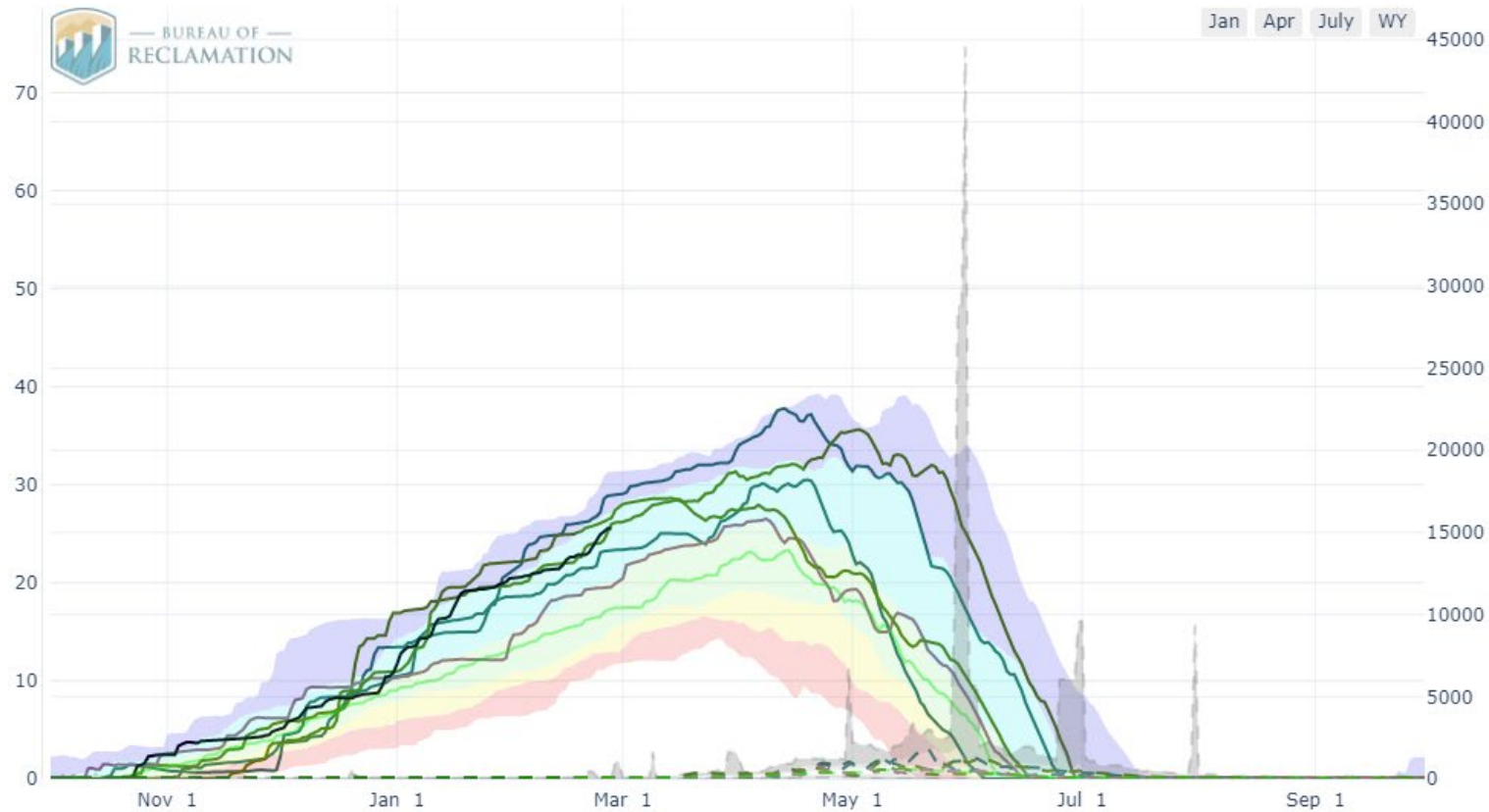


# Snow to Flow Relationship for Muddy Ck bl Paonia Reservoir



Jan Apr July WY

Snow Water Equivalent (in.)



- 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)

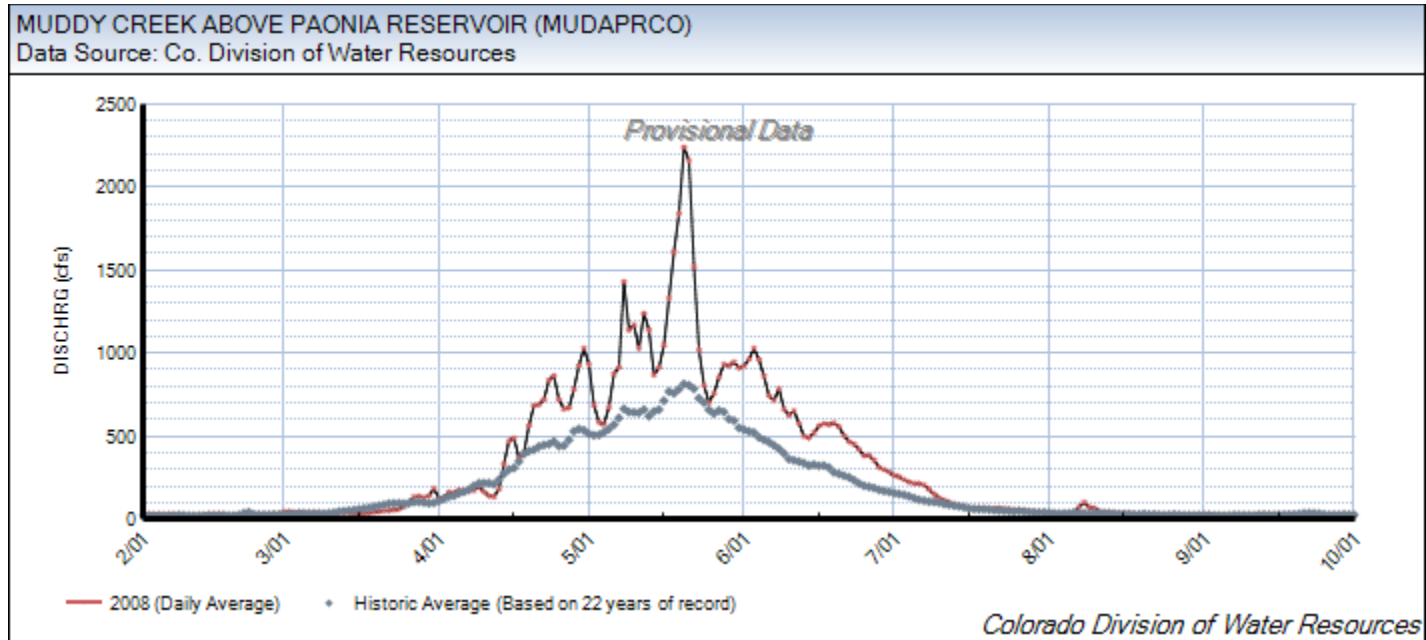
Linear Scale

Log Scale

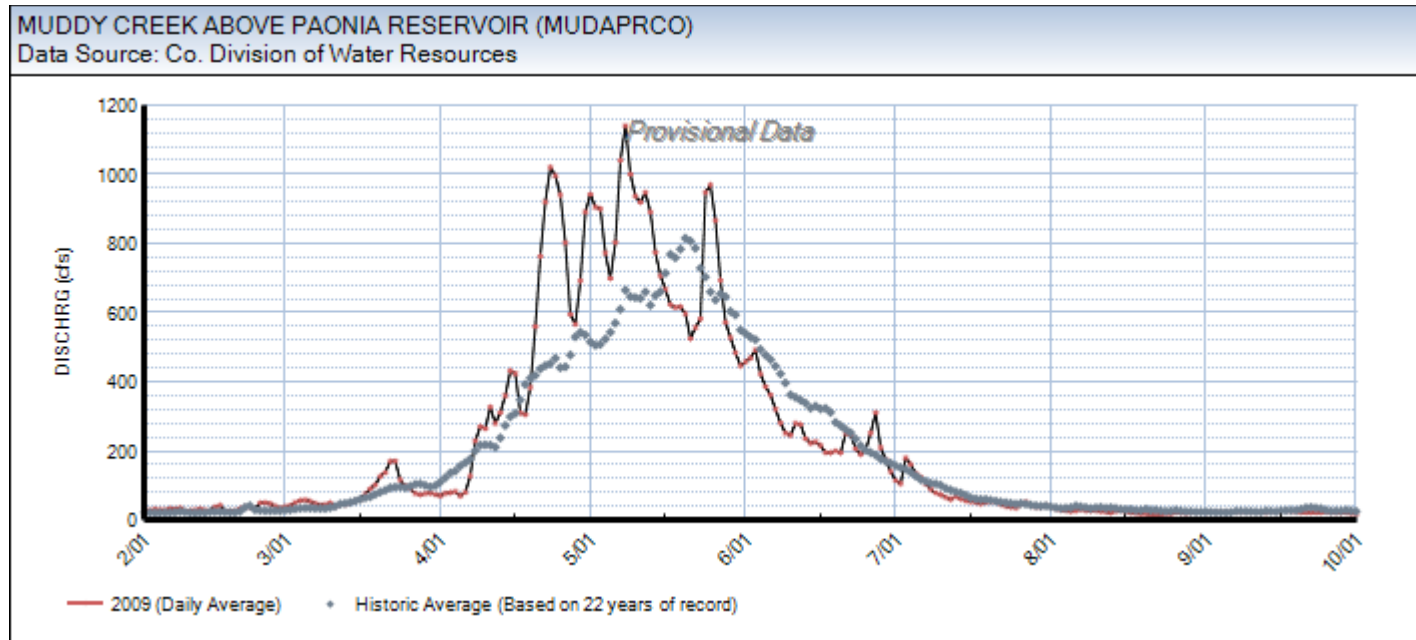


\* # of sites does not meet basin threshold. Data from this year will not for use in calculation of statistics  
 Updated: "Monday, Feb 27, 2023 @ 04 AM PST"

# WY 2008: High March 1 SWE, Dry Spring, Avg Dust

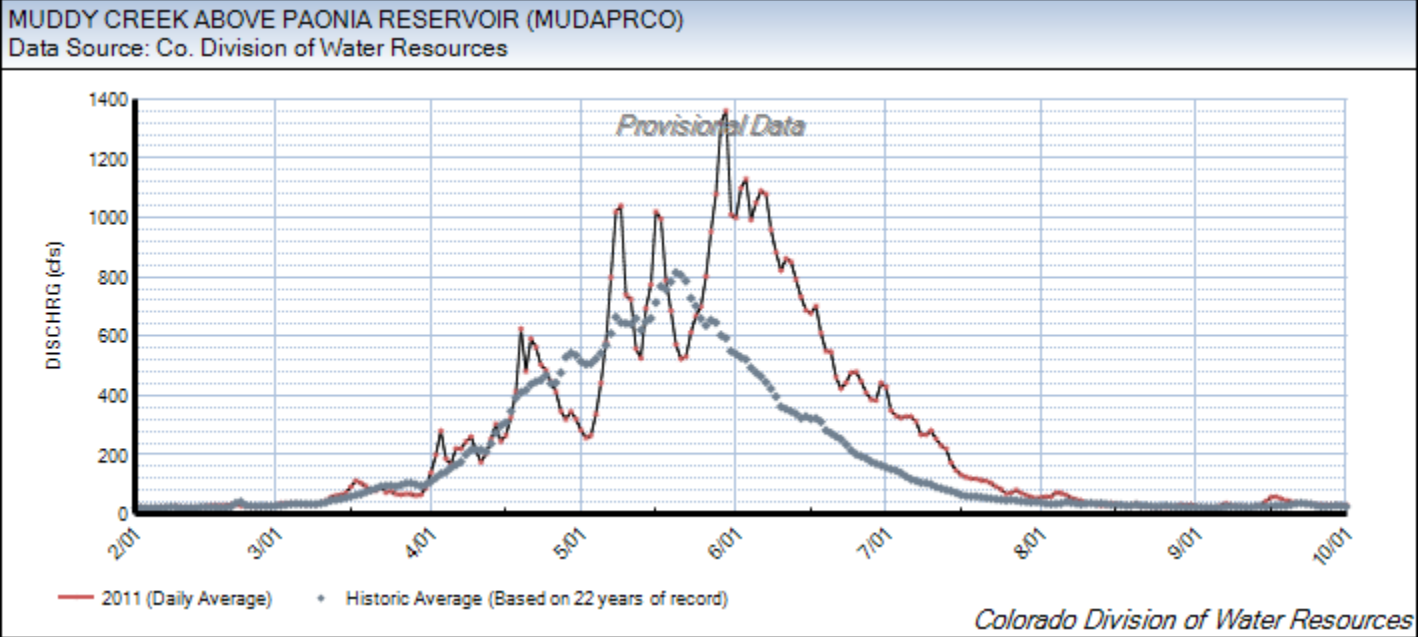


## WY 2009: High March 1 SWE, Avg Spring, Max Dust

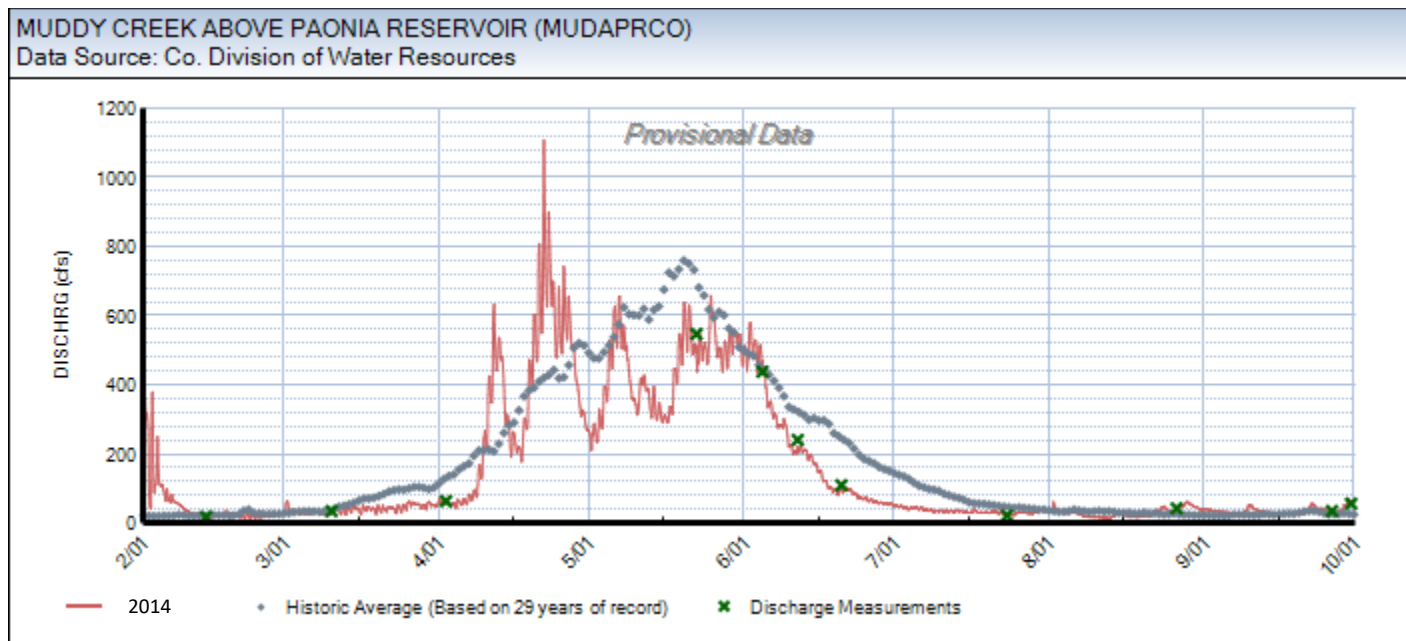




# WY 2011: High March 1 SWE, Wet Spring, Avg Dust



## WY 2014: High March 1 SWE, Dry Spring, Avg Dust



## WY 2017: High March 1 SWE, Dry Spring, Avg Dust

