

Colorado Dust-on-Snow Program

# WY 2022 Dust Enhanced Runoff Classification

## North Fork Gunnison River Watershed

as of: March 1, 2022 Update

for:

Schofield Pass Snotel, North Fork Gunnison River near Somerset  
McClure Pass Snotel, Muddy Creek above Paonia Reservoir



**CODOS and Other Selected SNOTEL Sites**

**Comparison of % 1981-2010 Median March 1 SWE & % 1991-2020 Median March 1 SWE**

	Median	Median	Actual	% Median SWE	% Median SWE	CODOS
	SWE	SWE	SWE	1981-2010	1991-2020	Classification
	March 1	March 1	March 1	March 1	March 1	Based on
SNOTEL Site	1981-2010	1991-2020	WY 2022	WY 2022	WY 2022	1991-2020
Red Mtn Pass	17.5	17.1	16.4	94%	96%	<i>Average</i>
Slumgullion	10.4	10.6	8.7	84%	82%	<i>Low</i>
Upper San Juan	26.0	23.9	23.3	90%	97%	<i>Average</i>
Wolf Creek Summit	24.9	24.4	29.8	120%	122%	<i>High</i>
Beartown	18.7	16.6	16.1	86%	97%	<i>Average</i>
Lizard Head	12.2	11.8	11.1	91%	94%	<i>Average</i>
Park Cone	8.3	8.2	9.6	116%	117%	<i>High</i>
Schofield Pass	25.2	24.2	30.5	121%	126%	<i>High</i>
McClure Pass	13.5	13.4	11.9	88%	89%	<i>Low</i>
Independence Pass	12.7	13.0	11.0	87%	85%	<i>Low</i>
Hoosier Pass	10.9	11.4	10.1	93%	89%	<i>Low</i>
Grizzly Peak	13.2	13.6	12.3	93%	90%	<i>Average</i>
Berthoud Summit	13.9	13.8	11.9	86%	86%	<i>Low</i>
Willow Creek Pass	9.5	10.6	11.4	120%	108%	<i>Average</i>
Rabbit Ears Pass	19.1	19.6	15.5	81%	79%	<i>Low</i>
Mesa Lakes	12.7	12.3	13.1	103%	107%	<i>Average</i>

# Muddy Creek Watershed

McClure Pass Snotel

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

# North Fork Gunnison River Watershed

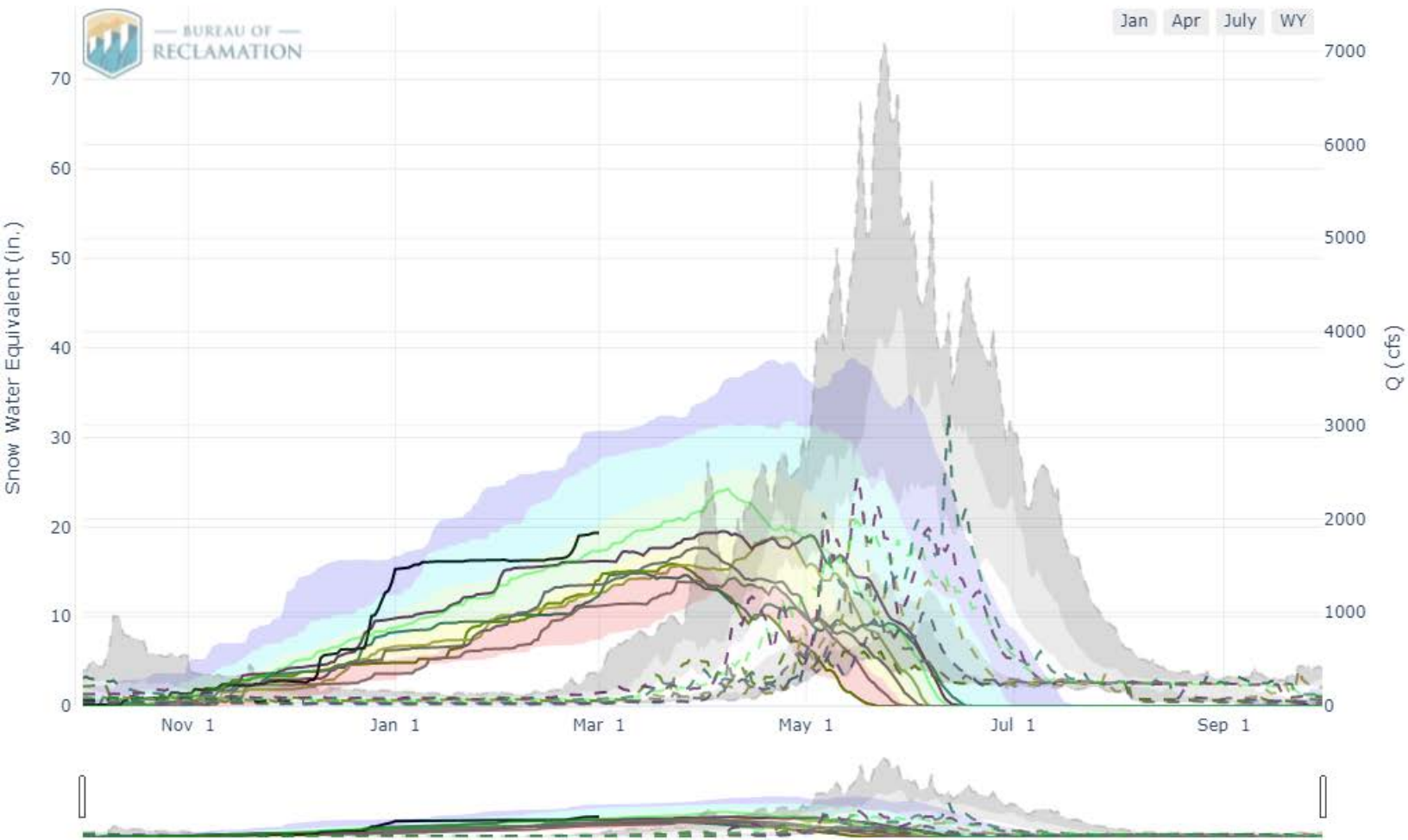
Schofield Pass Snotel

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

# Snow to Flow Relationship for NF Gunnison R nr Somerset



Jan Apr July WY



- Station List
- Median
  - Median
  - Q Stats
  - SWE Stats
  - 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)
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  - 2004 (4 sites)
  - 2003 (4 sites)
  - 2002 (4 sites)
  - 2001 (4 sites)

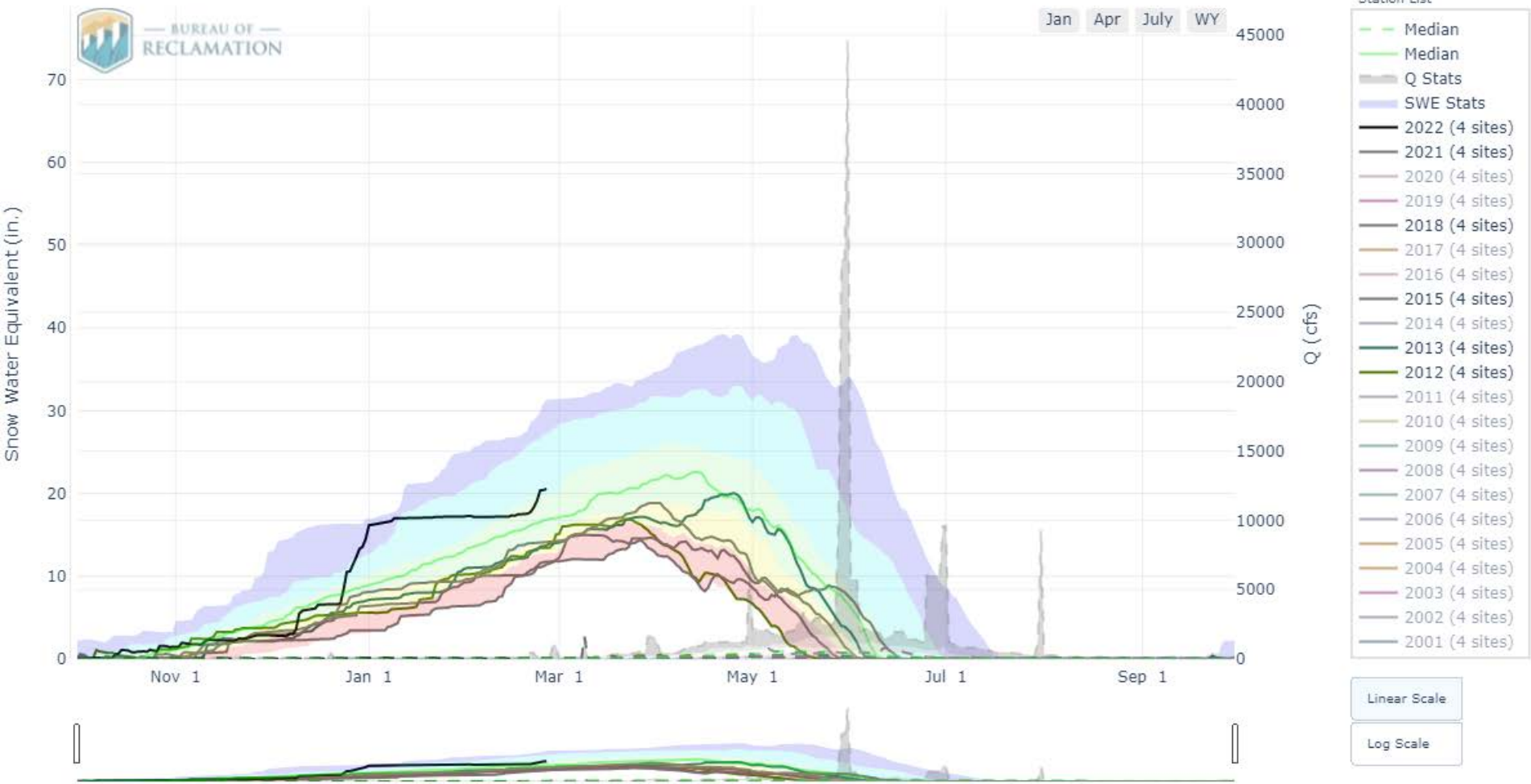
Linear Scale  
Log Scale

\* # of sites does not meet basin threshold. Data from this year will not for use in calculation of statistics  
Updated: "Tuesday, Mar 01, 2022 @ 04 AM PST"

# Snow to Flow Relationship for Muddy Ck bl Paonia Reservoir



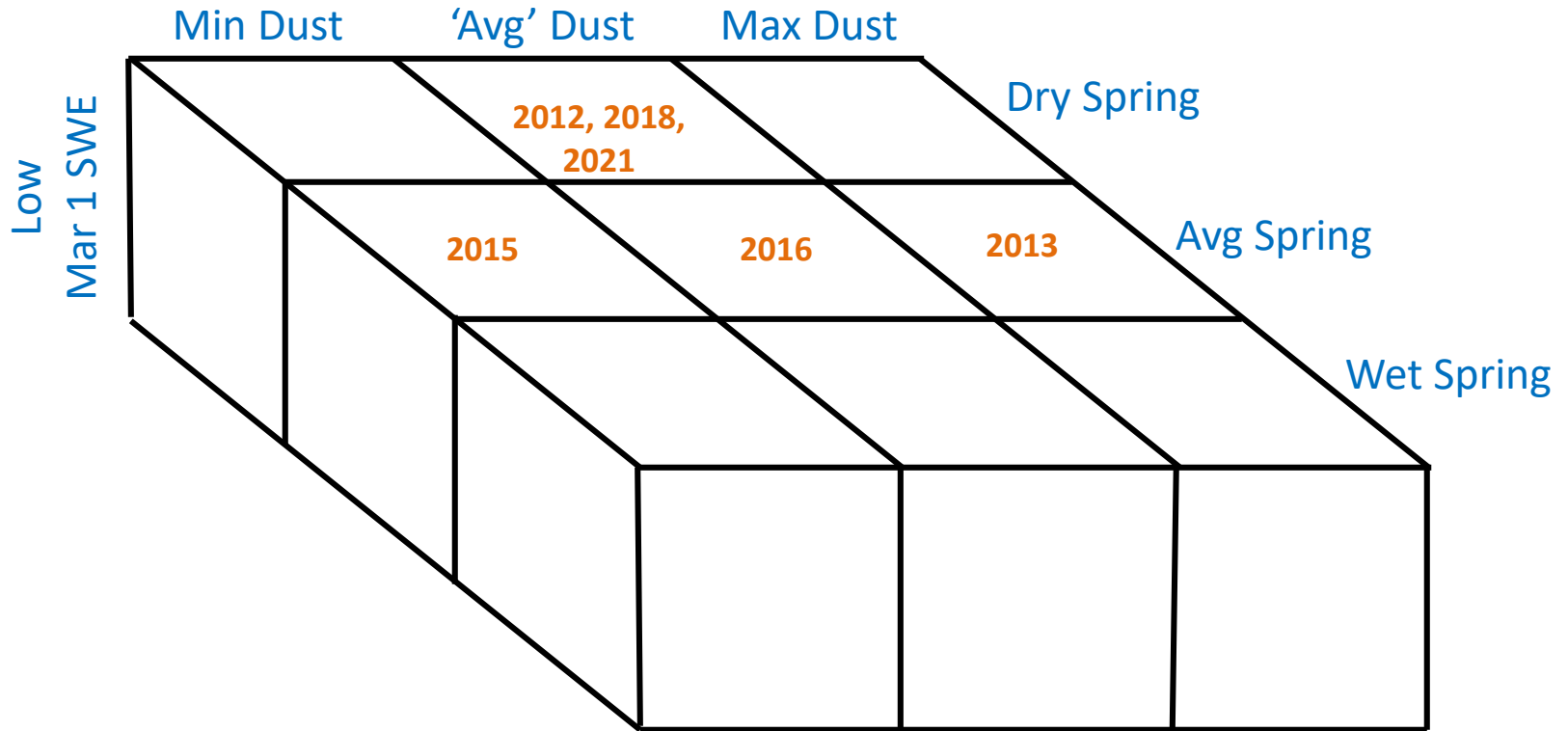
Jan Apr July WY



\* # of sites does not meet basin threshold. Data from this year will not for use in calculation of statistics  
 Updated: "Saturday, Feb 26, 2022 @ 04 AM PST"

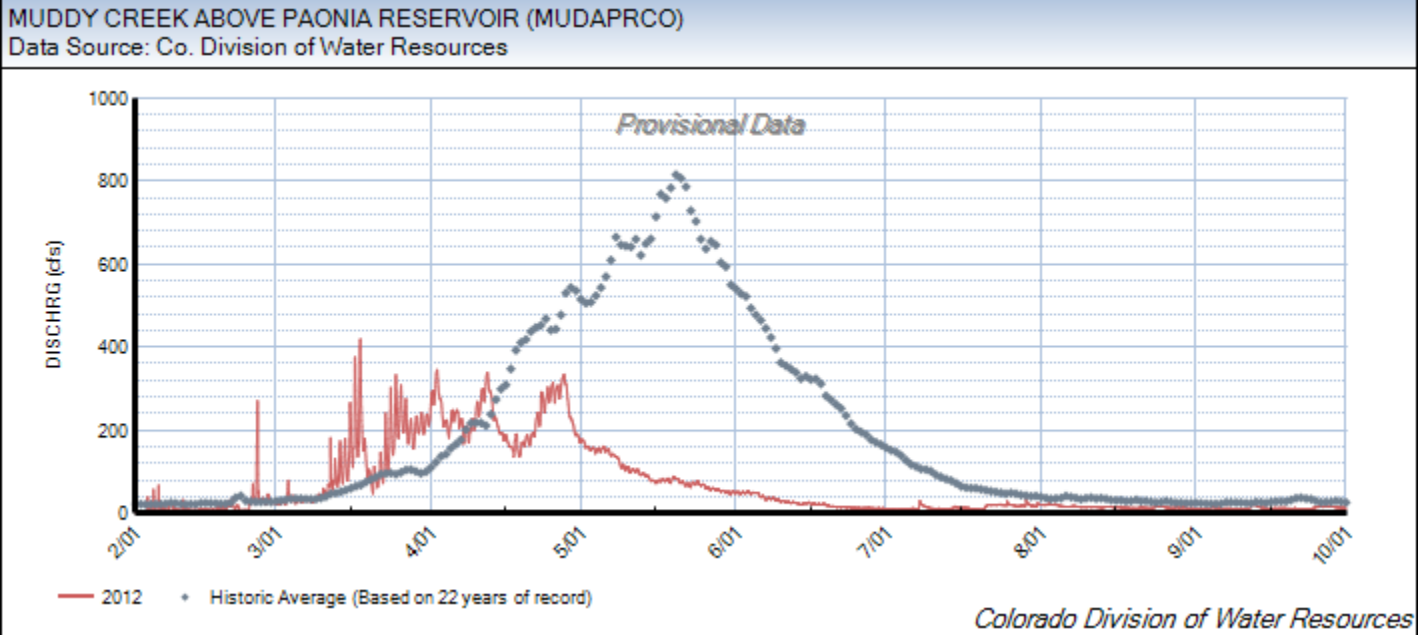
Linear Scale  
 Log Scale

North Fork Gunnison River and Muddy Creek Watersheds – McClure Pass Snotel  
WY 2022 = Low March 1 SWE

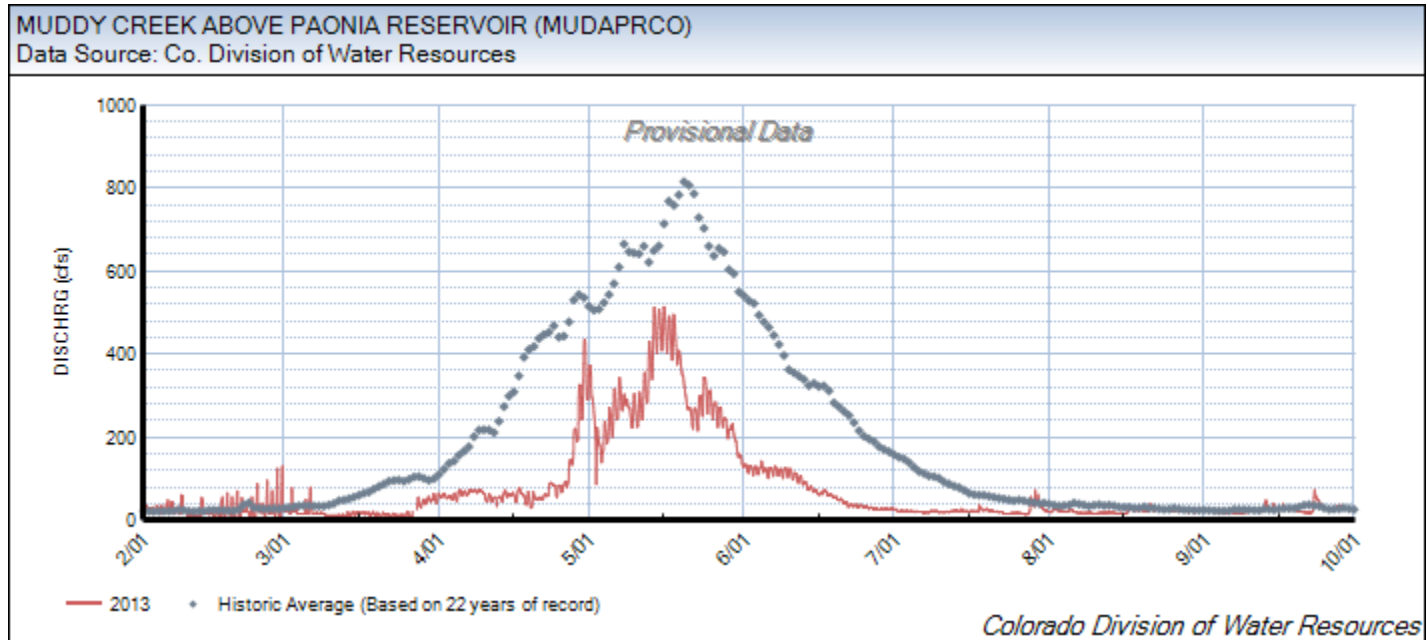




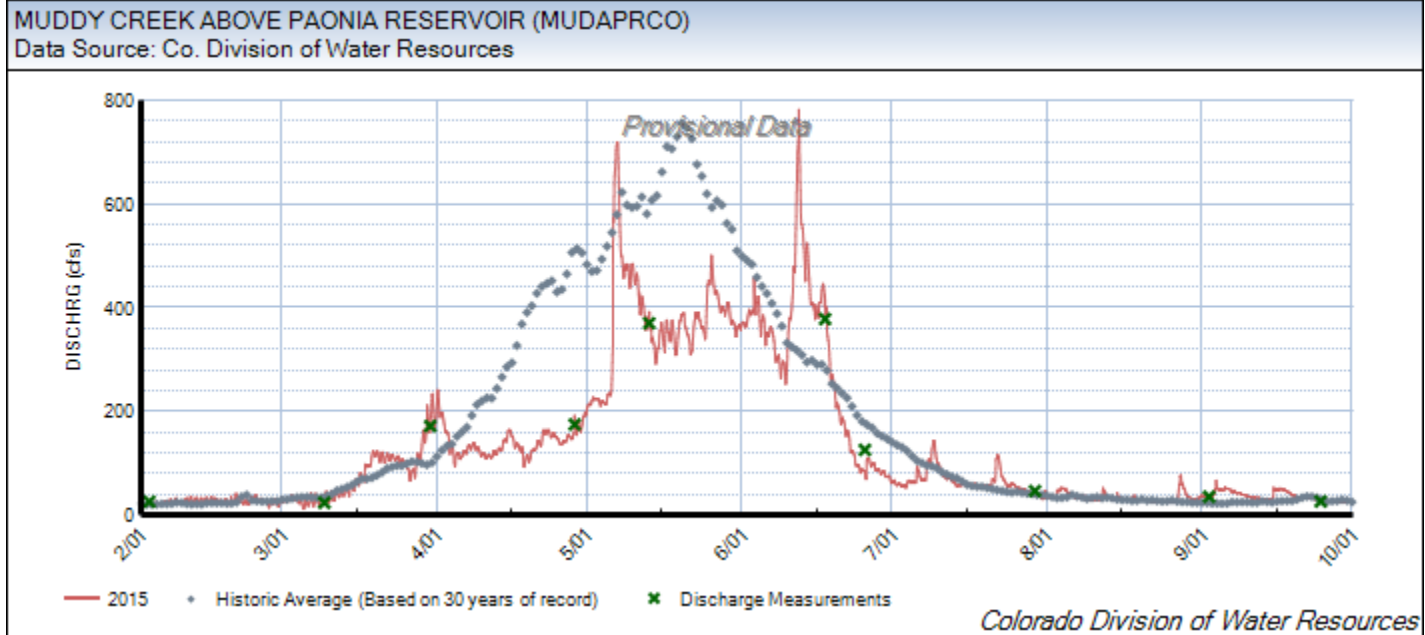
# WY 2012: Low March 1 SWE, Dry Spring, Avg Dust



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



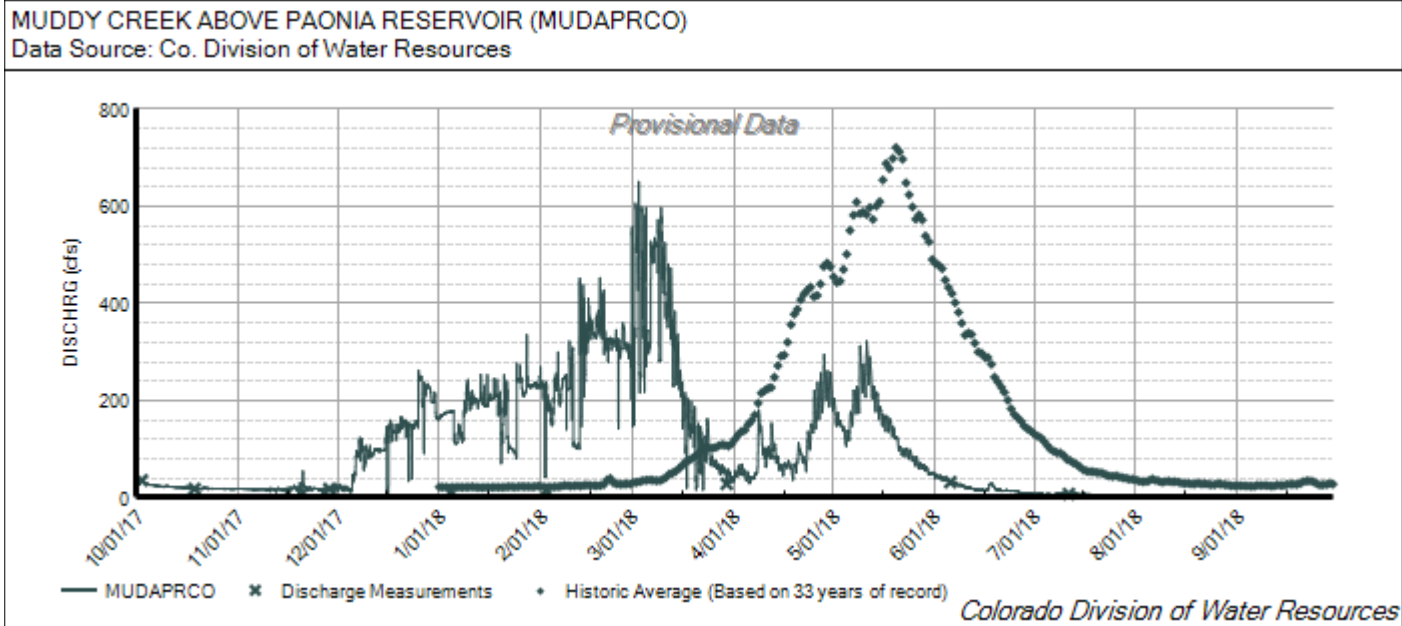
# WY 2015: Low March 1 SWE, Avg Spring, Min Dust



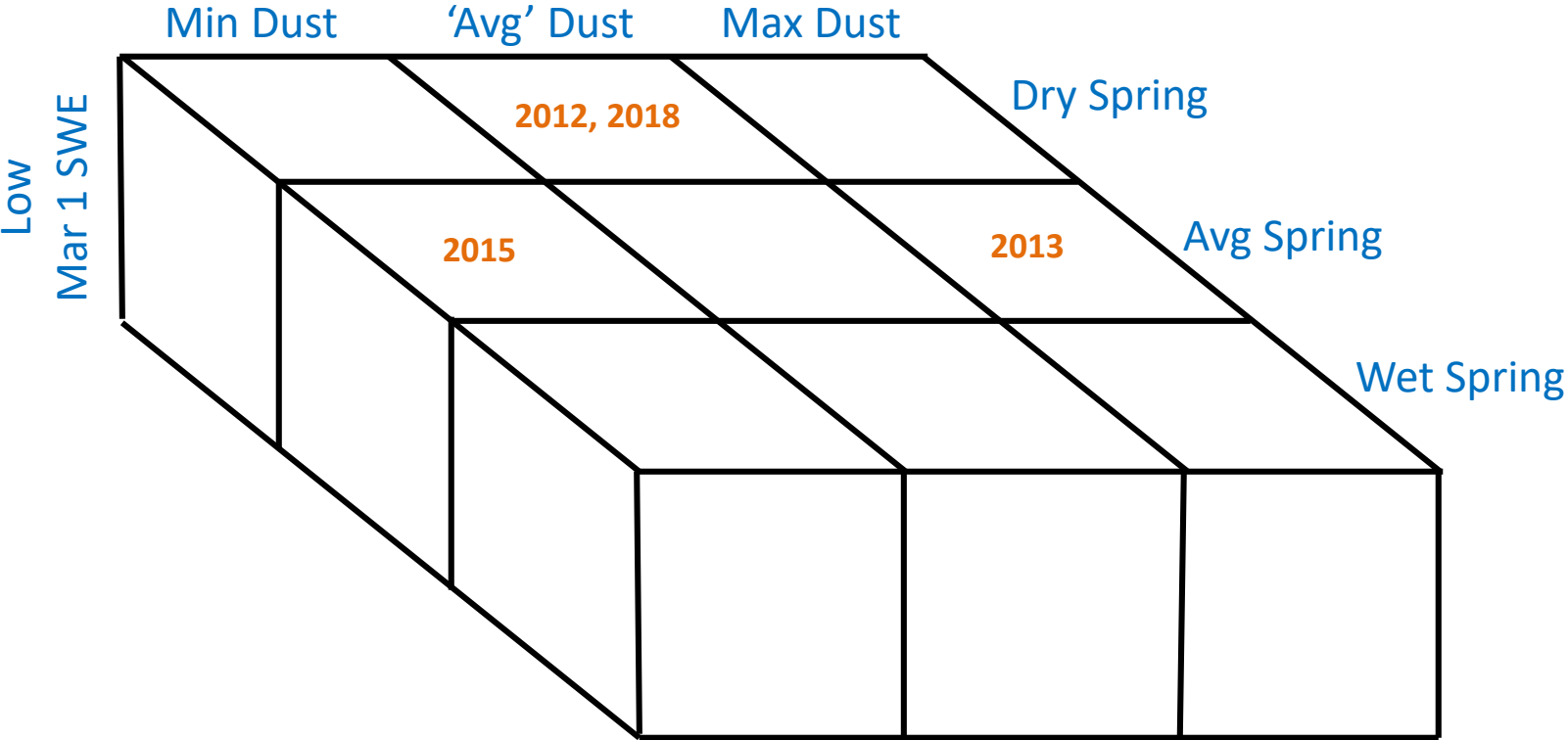
# WY 2016: Avg March 1 SWE, Avg Spring, Avg Dust



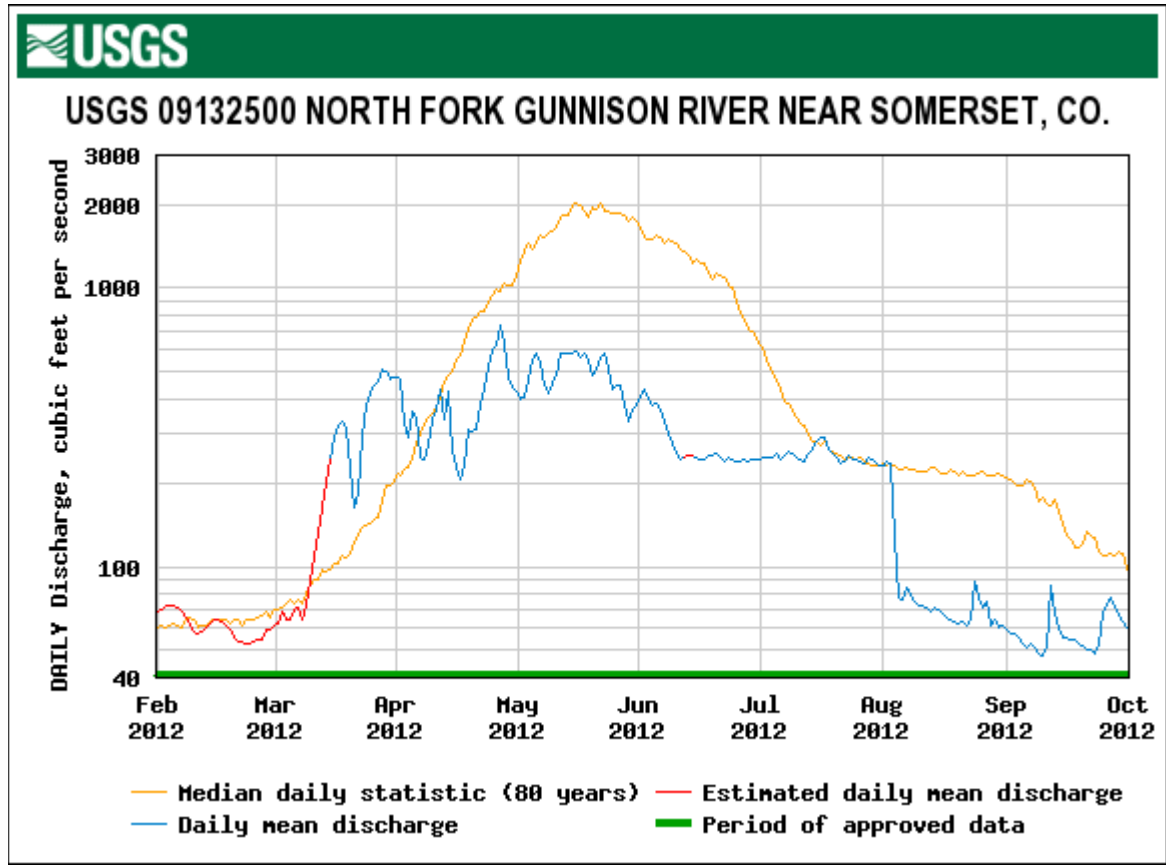
# WY 2018: Low March 1 SWE, Dry Spring, Avg Dust



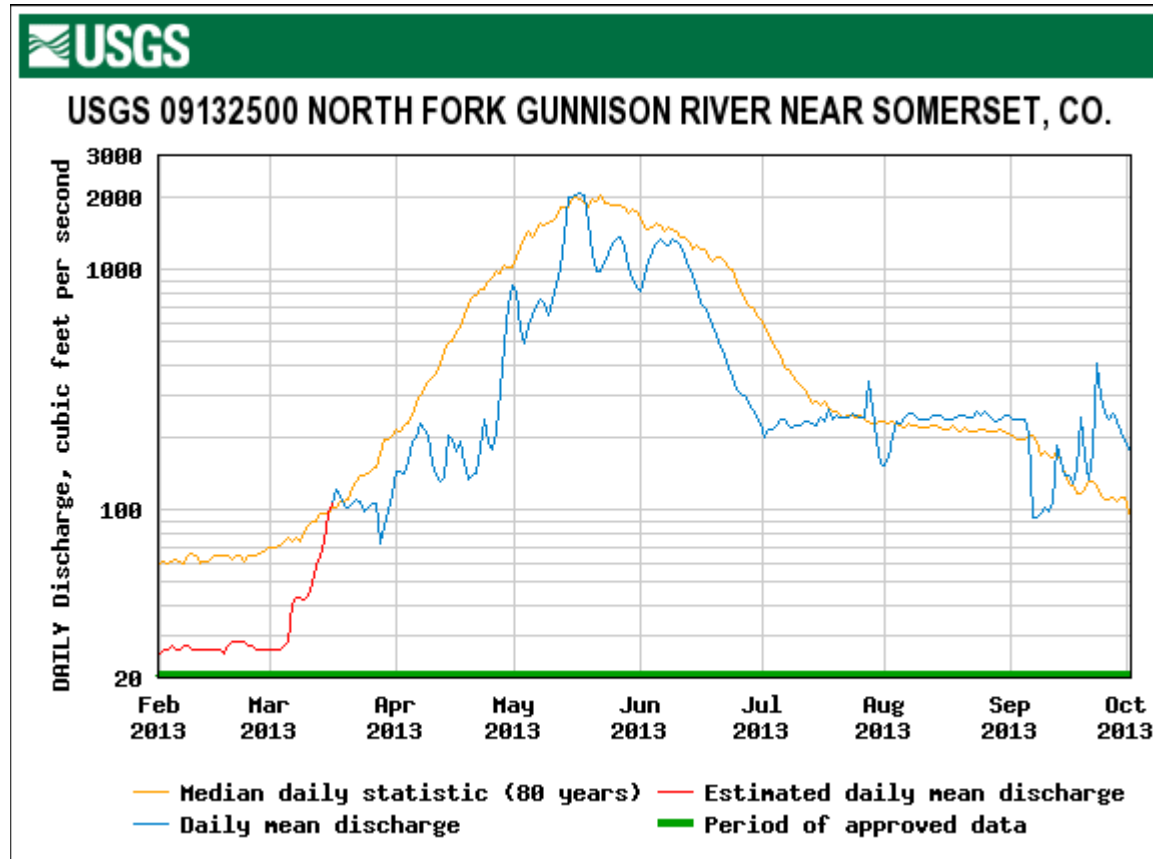
North Fork Gunnison River and Muddy Creek Watersheds – Scholfield Pass Snotel  
WY 2021 = Low March 1 SWE



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

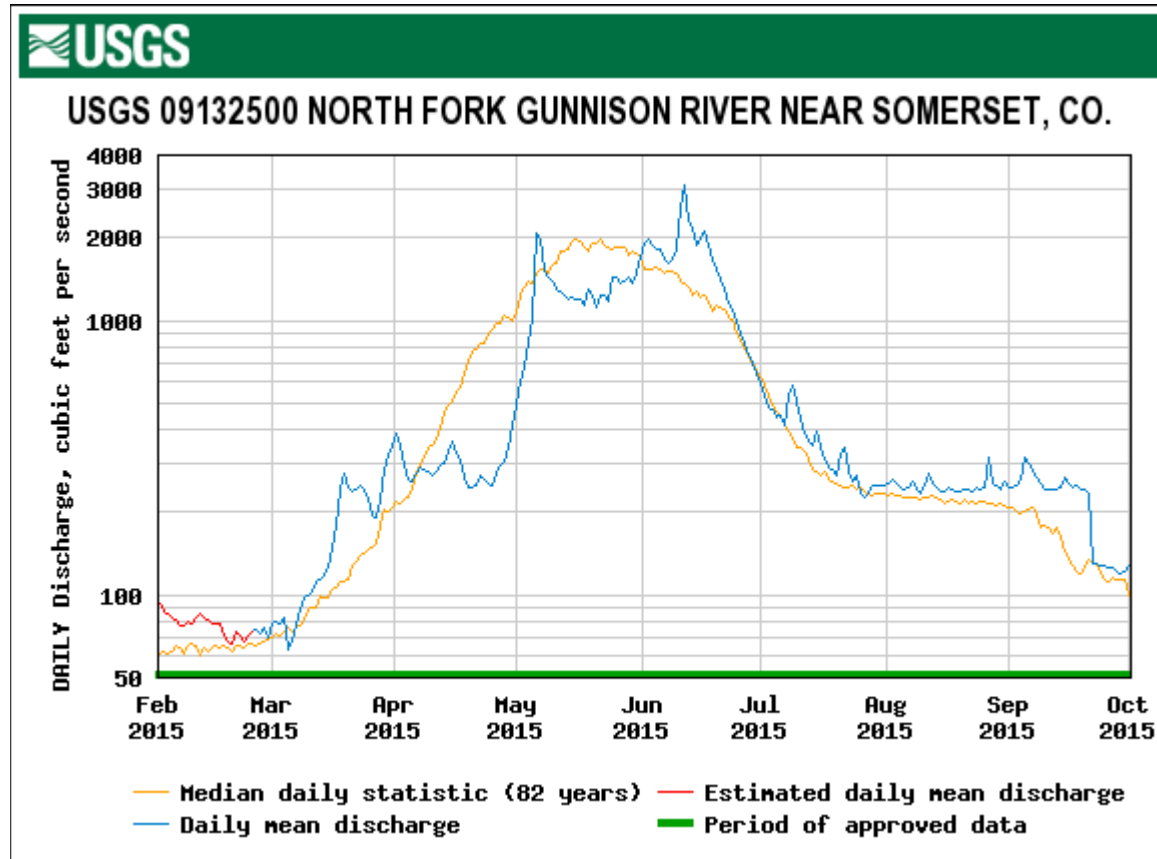


# WY 2013: Low March 1 SWE, Avg Spring, Max Dust





WY 2015: Low March 1 SWE, Avg Spring, Min Dust



WY 2018: Low March 1 SWE, Dry Spring, Avg Dust

