

Colorado Dust-on-Snow Program

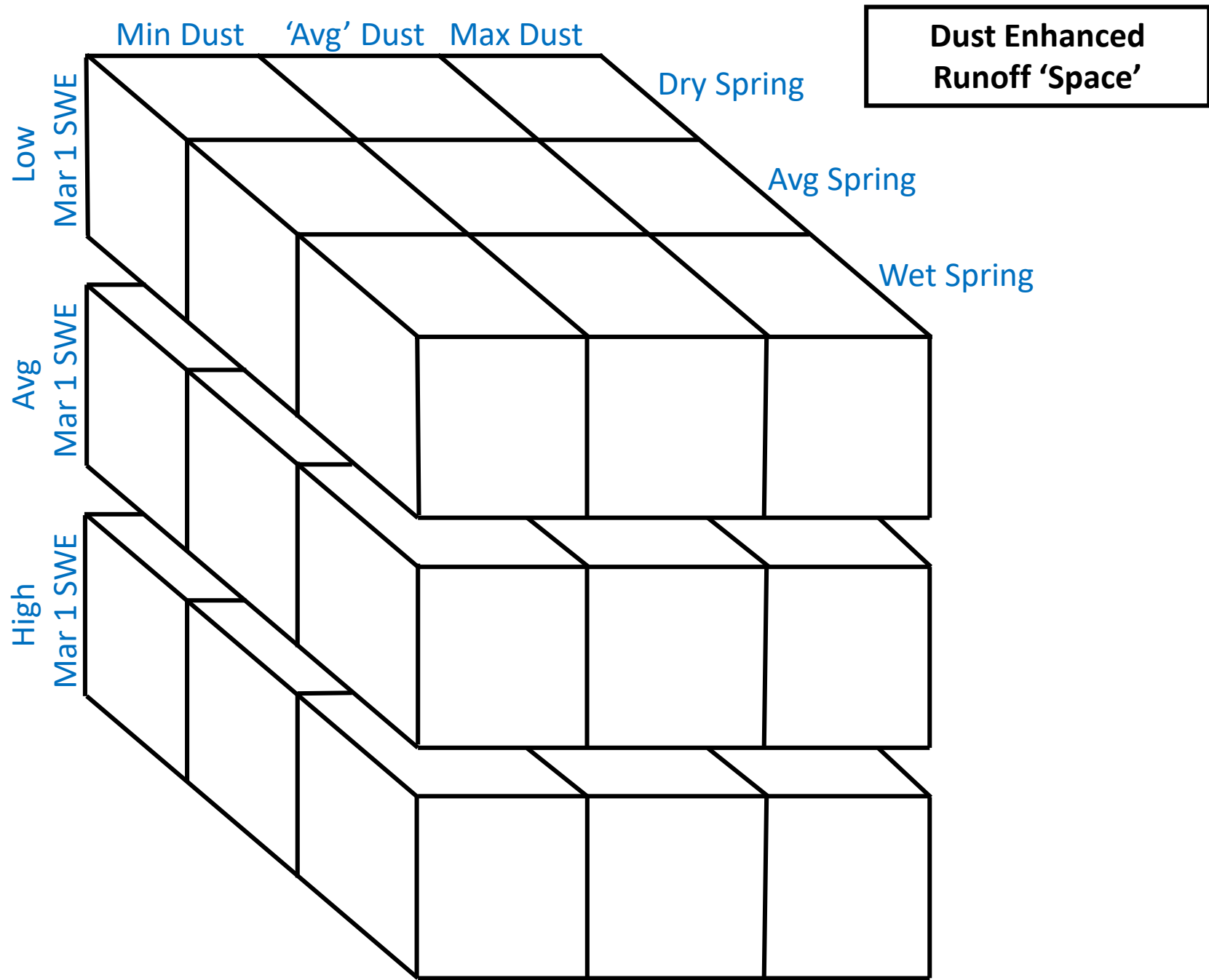
WY 2021 Dust Enhanced Runoff Classification

Muddy Creek Watershed

as of: March 1, 2021 Update

for:

McClure Pass Snotel, Muddy Creek above Paonia Reservoir



CODOS and Other Selected SNOTEL Sites				
% 1981-2010 Median March 1 SWE				
	Median	Actual	% Median	CODOS
	SWE	SWE	SWE	March 1
	March 1	March 1	March 1	SWE
SNOTEL Site	1981-2010	WY 2021	WY 2021	Classification
Red Mtn Pass	17.5	15.7	90%	<i>Average</i>
Slumgullion	10.4	9.6	92%	<i>Average</i>
Upper San Juan	26.0	23.0	88%	<i>Low</i>
Wolf Creek Summit	24.9	25.7	103%	<i>Average</i>
Beartown	18.7	14.7	79%	<i>Low</i>
Lizard Head	12.2	10.4	85%	<i>Low</i>
Park Cone	8.3	6.6	80%	<i>Low</i>
Schofield Pass	25.2	19.5	77%	<i>Low</i>
McClure Pass	13.5	10.5	78%	<i>Low</i>
Independence Pass	12.7	10.3	81%	<i>Low</i>
Hoosier Pass	10.9	9.8	90%	<i>Average</i>
Grizzly Peak	13.2	10.6	80%	<i>Low</i>
Berthoud Summit	13.9	12.7	91%	<i>Average</i>
Willow Creek Pass	9.5	9.2	97%	<i>Average</i>
Rabbit Ears Pass	19.1	13.8	72%	<i>Low</i>
Mesa Lakes	12.7	8.8	69%	<i>Low</i>

Muddy Creek Watershed

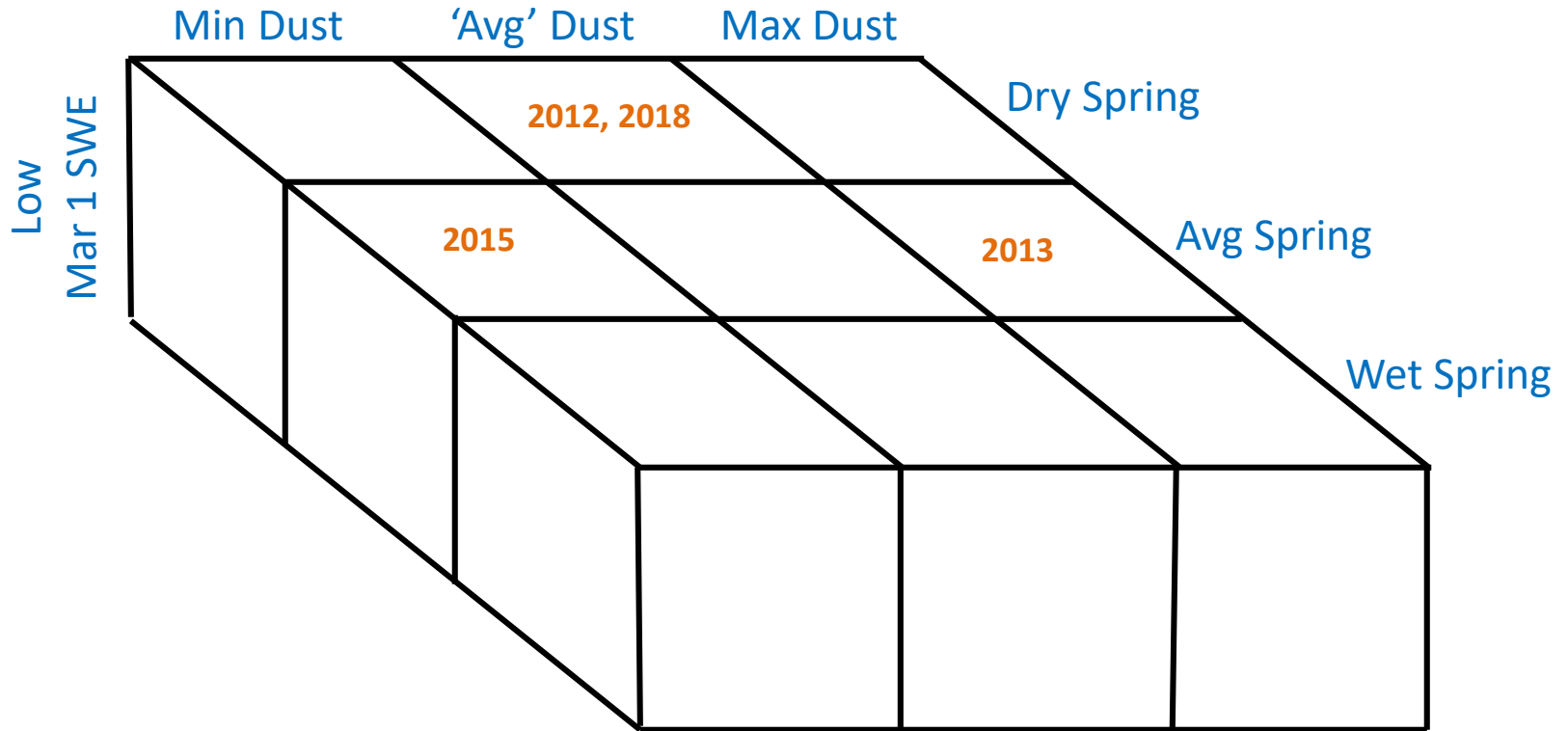
McClure Pass Snotel

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

Dry Spring	Avg Spring	Wet Spring
2008	2006	2011
2012	2007	
2014	2009	
2017	2010	
2018	2013	
	2015	
	2016	
Low SWE	Avg SWE	High SWE
2012	2006	2008
2013	2007	2009
2015	2010	2011
2018	2016	2014
		2017
Min Dust	Avg Dust	Max Dust
	2006	
2007		
	2008	
		2009
	2010	
	2011	
	2012	
		2013
	2014	
2015		
	2016	
	2017	
	2018	

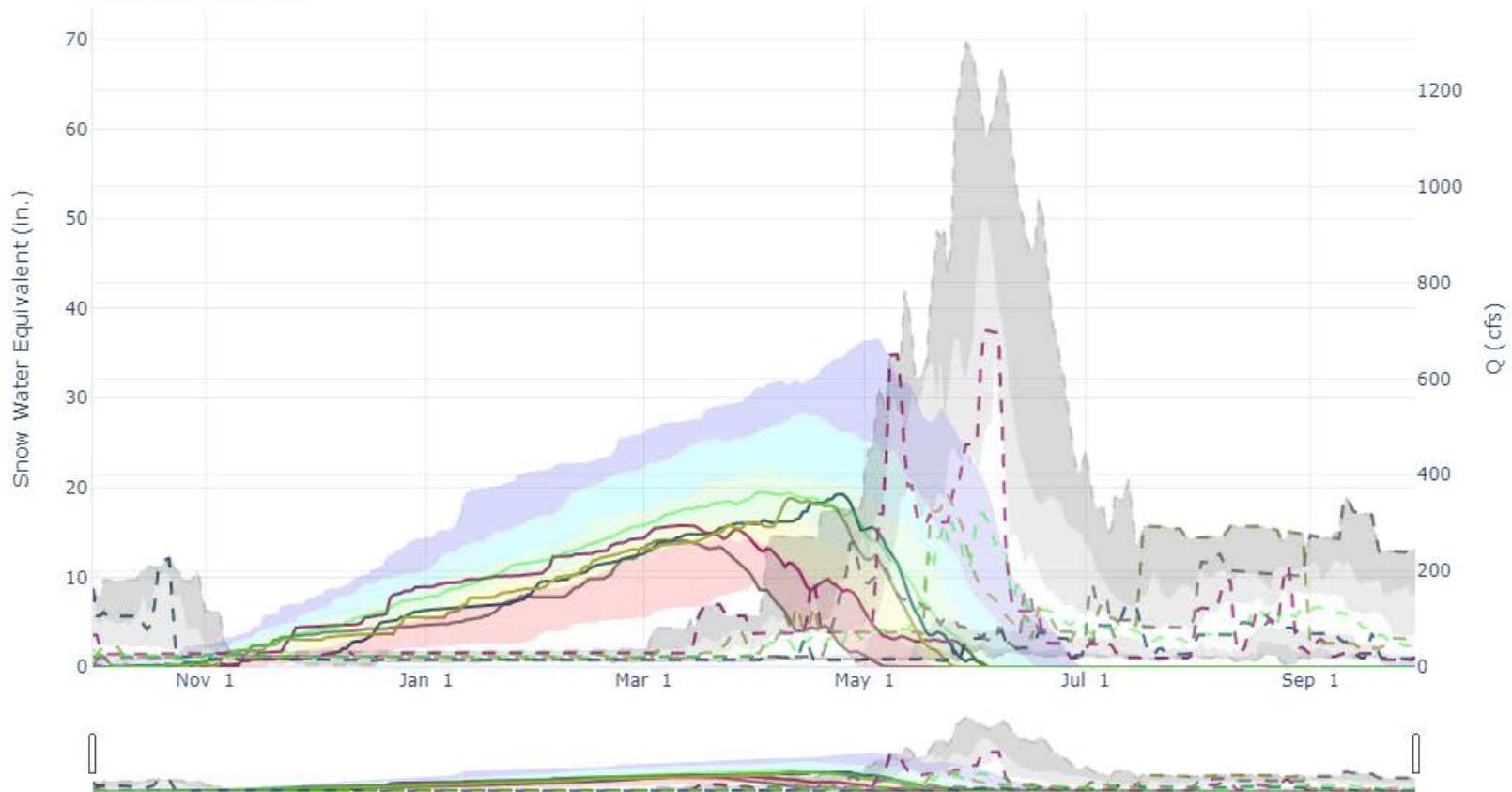
Mar 1 SWE			
1981-2010			
Median	Actual	%	
2006	13.5	13.6	101%
2007	13.5	14.3	106%
2008	13.5	22.7	168%
2009	13.5	16.8	124%
2010	13.5	14.0	104%
2011	13.5	18.4	136%
2012	13.5	11.7	87%
2013	13.5	11.4	84%
2014	13.5	15.0	111%
2015	13.5	9.5	70%
2016	13.5	13.6	101%
2017	13.5	17.9	133%
2018	13.5	7.9	59%

Muddy Creek Watersheds – McClure Pass Snotel
WY 2021 = Low March 1 SWE



SWE-Q Relationship for Muddy Creek bl Woford Mtn Reservoir

Jan Apr July WY



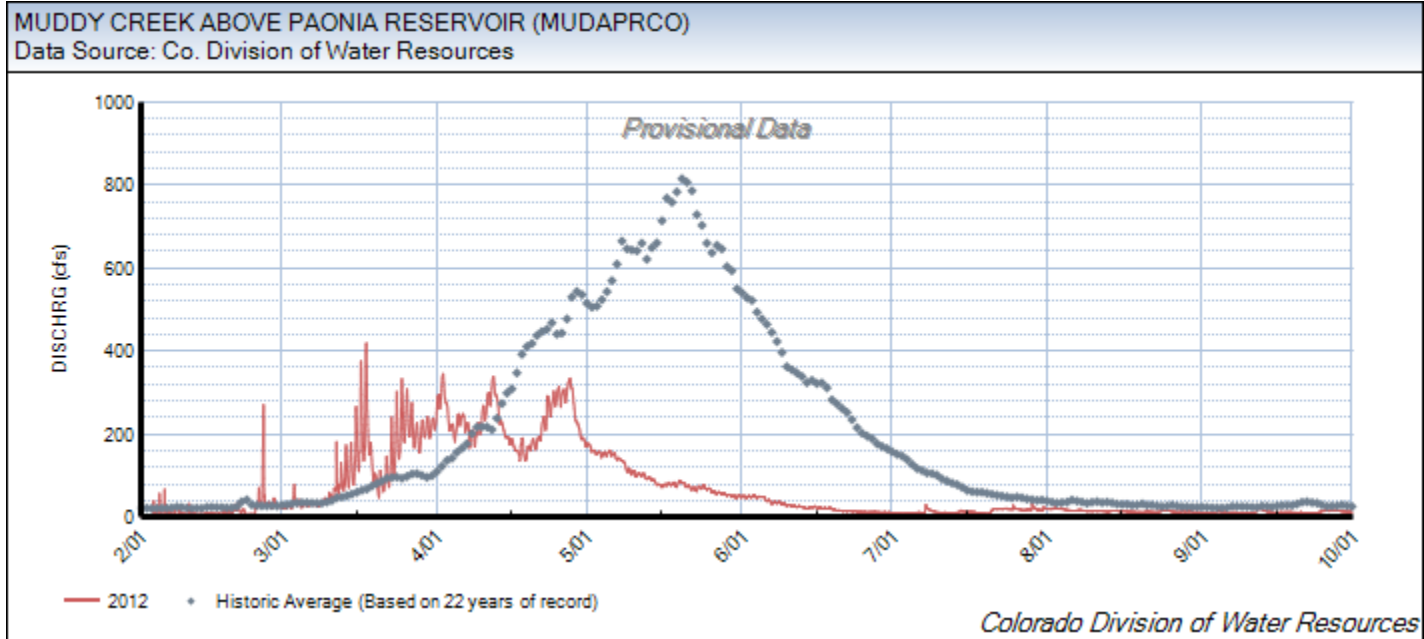
- Station List
- Q Norm
 - SWE Norm
 - Q Stats
 - SWE Stats
 - 2020 (3 sites)
 - 2019 (3 sites)
 - 2018 (3 sites)
 - 2017 (3 sites)
 - 2016 (3 sites)
 - 2015 (3 sites)
 - 2014 (3 sites)
 - 2013 (3 sites)
 - 2012 (3 sites)
 - 2011 (3 sites)
 - 2010 (3 sites)
 - 2009 (3 sites)
 - 2008 (3 sites)
 - 2007 (3 sites)
 - 2006 (3 sites)
 - 2005 (3 sites)
 - 2004 (3 sites)
 - 2003 (3 sites)
 - 2002 (3 sites)

Linear Scale

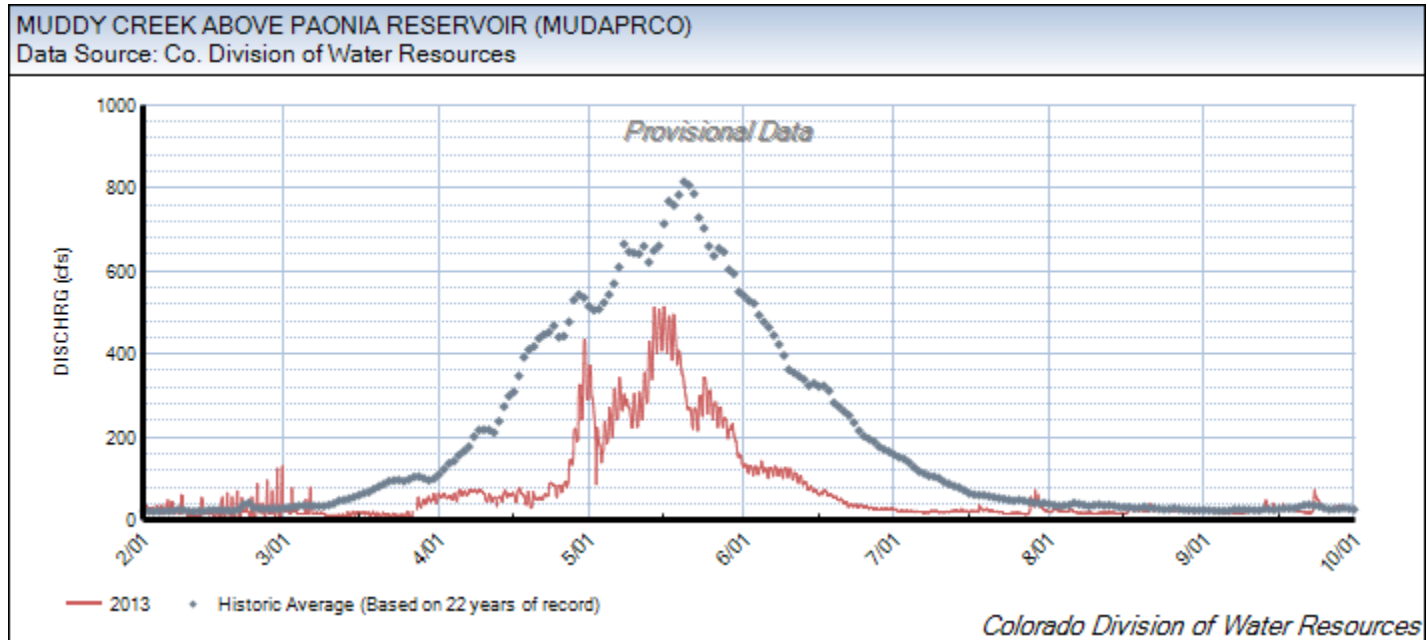
Log Scale

* # of sites does not meet threshold. Data from this year will not be used in calculation of statistics

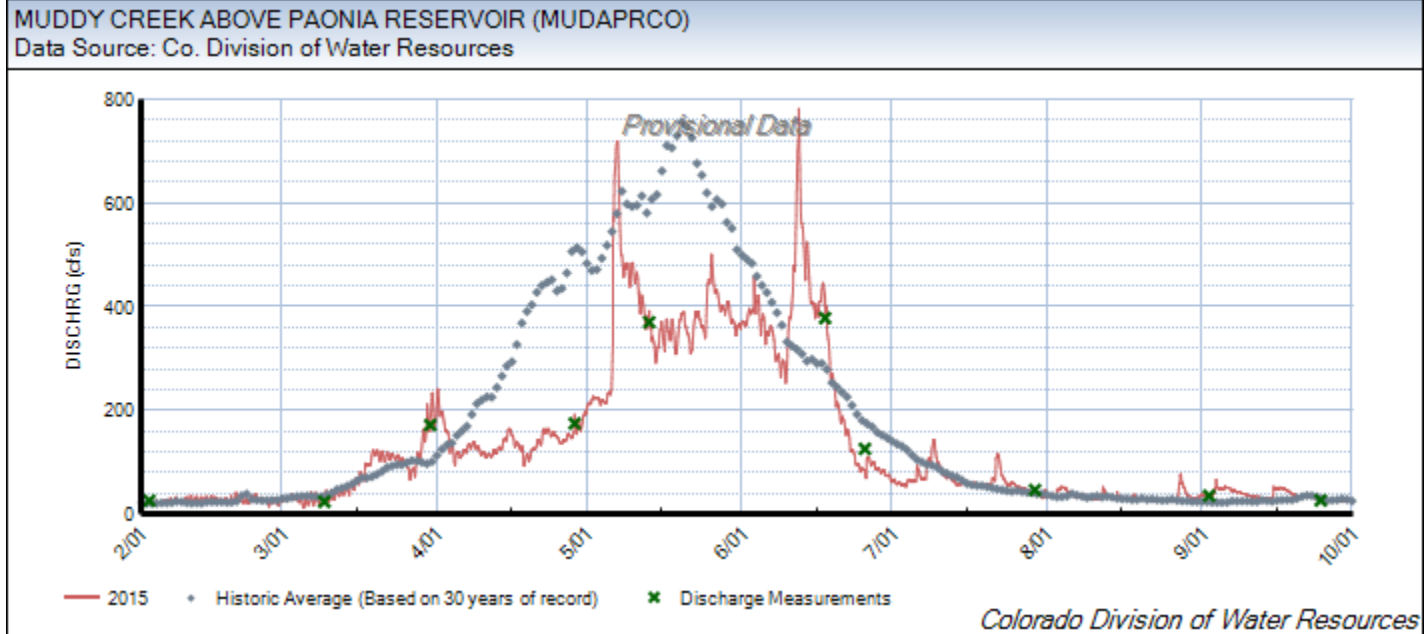
WY 2012: Low March 1 SWE, Dry Spring, Avg Dust



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

