

Colorado Dust-on-Snow Program

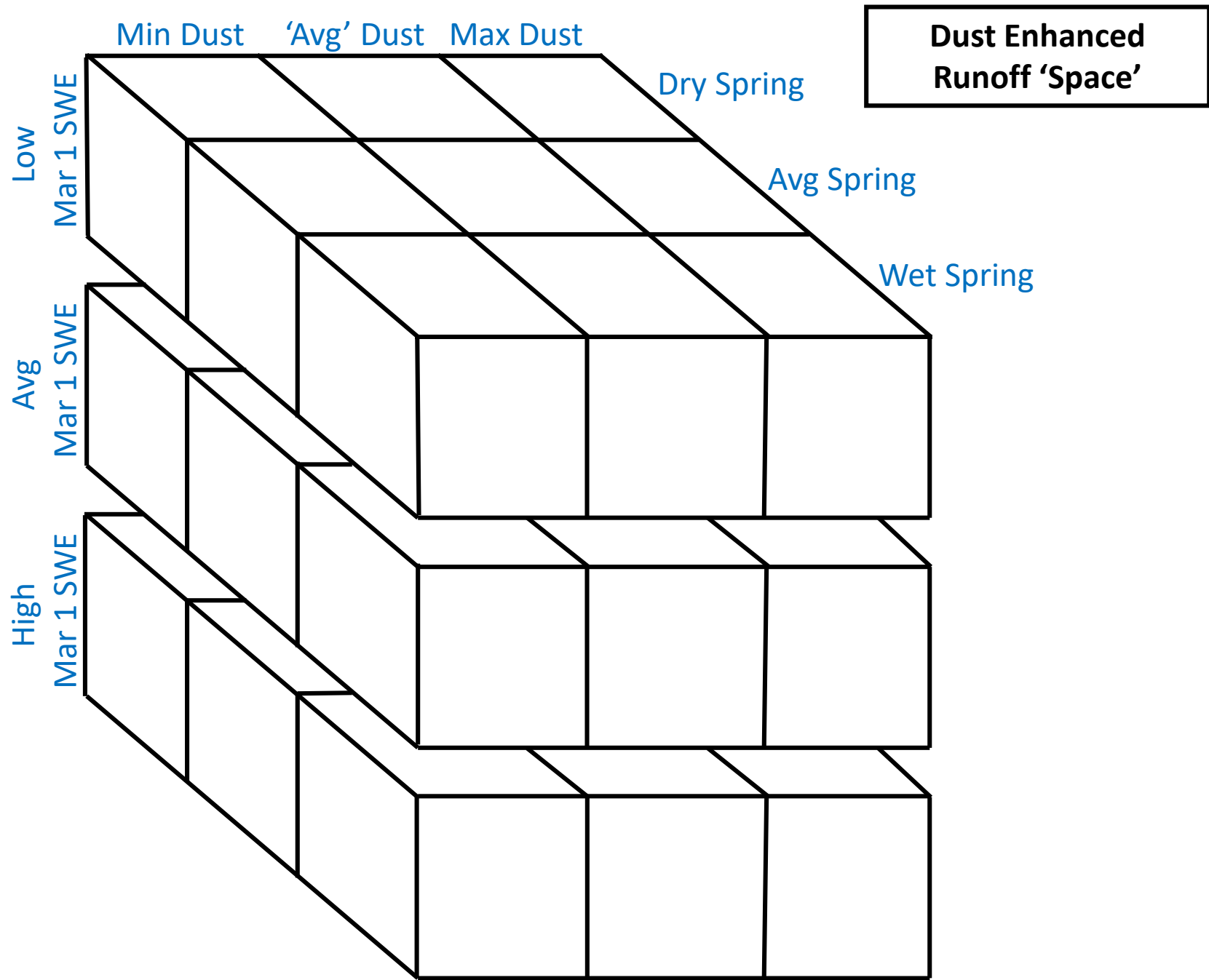
WY 2021 Dust Enhanced Runoff Classification

North Fork Gunnison River Watershed

as of: March 1, 2021 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				
% 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%

North Fork Gunnison River Watershed

Schofield Pass Snotel

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

Dry Spring	Avg Spring	Wet Spring
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2007 2006 2008
 2012 2009 2011
 2017 2010
 2018 2013
 2014

Mar 1 SWE

2015
 2016

1981-2010

Median Actual %

Low Swe	Avg Swe	High SWE
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2012 2006 2008
 2013 2007 2009
 2015 2010
 2016 2011
 2018 2014
 2017

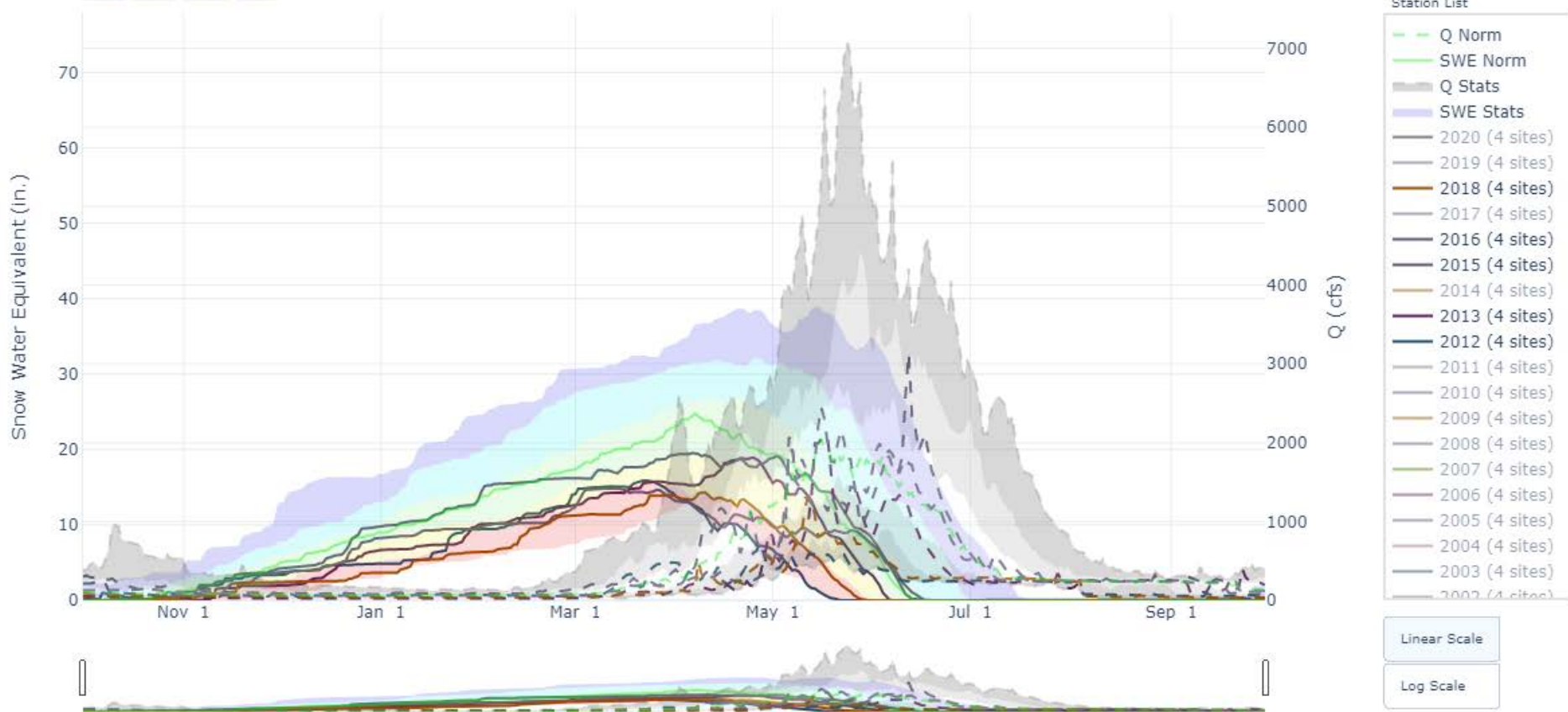
Year	Median	Actual	%
2006	25.2	25.1	100%
2007	25.2	24.0	95%
2008	25.2	41.4	164%
2009	25.2	35.4	140%
2010	25.2	29.1	115%
2011	25.2	35.1	139%
2012	25.2	19.8	79%
2013	25.2	17.9	71%
2014	25.2	31.1	123%
2015	25.2	18.8	75%
2016	25.2	21	83%
2017	25.2	44.6	177%

Min Dust	Avg Dust	Max Dust
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2006
 2007
 2008
 2009
 2010
 2011
 2012
 2013
 2014
 2015
 2016
 2017
 2018

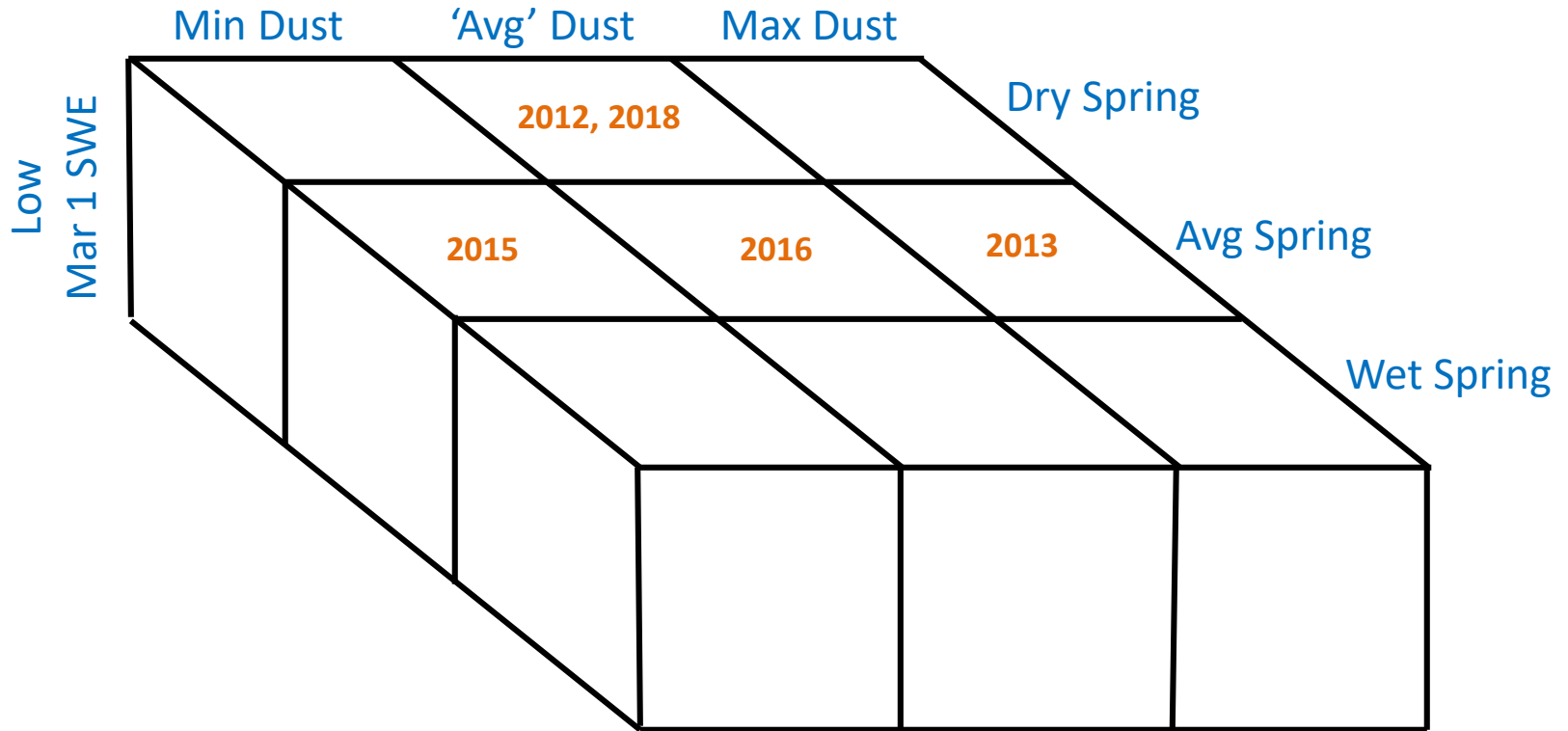
SWE-Q Relationship for NF Gunnison R nr Somerset

Jan Apr July WY

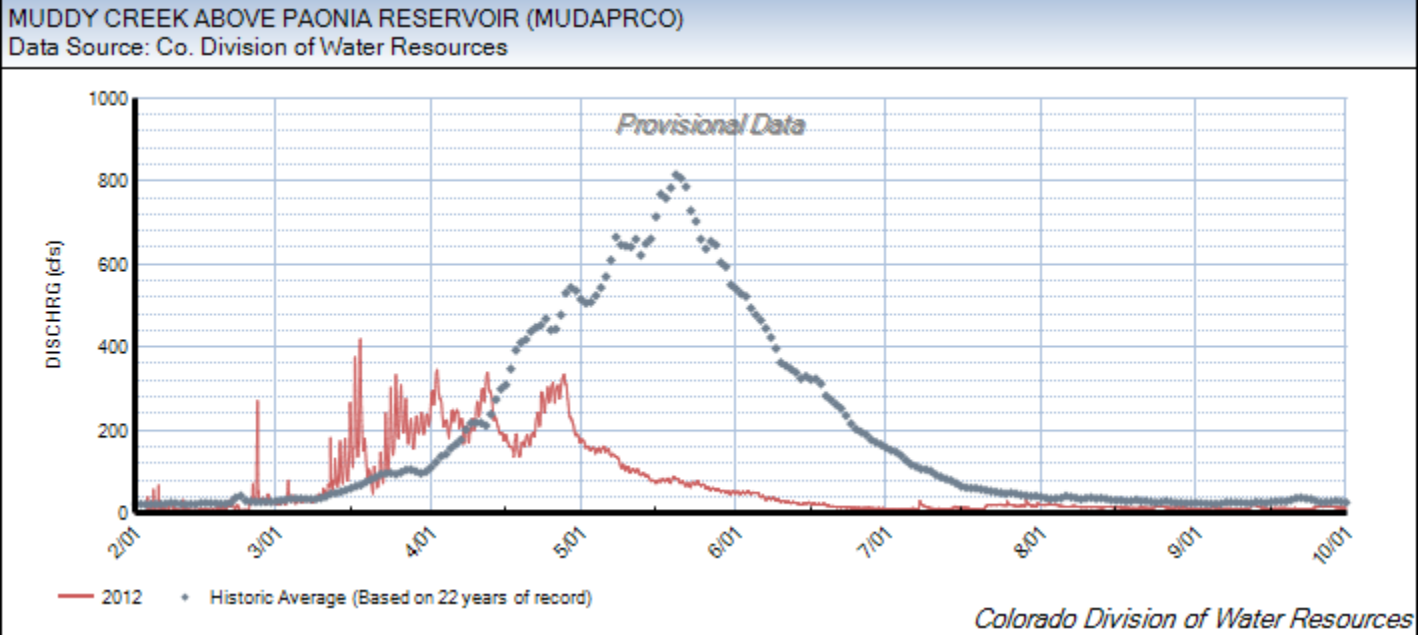


* # of sites does not meet threshold. Data from this year will not be used in calculation of statistics

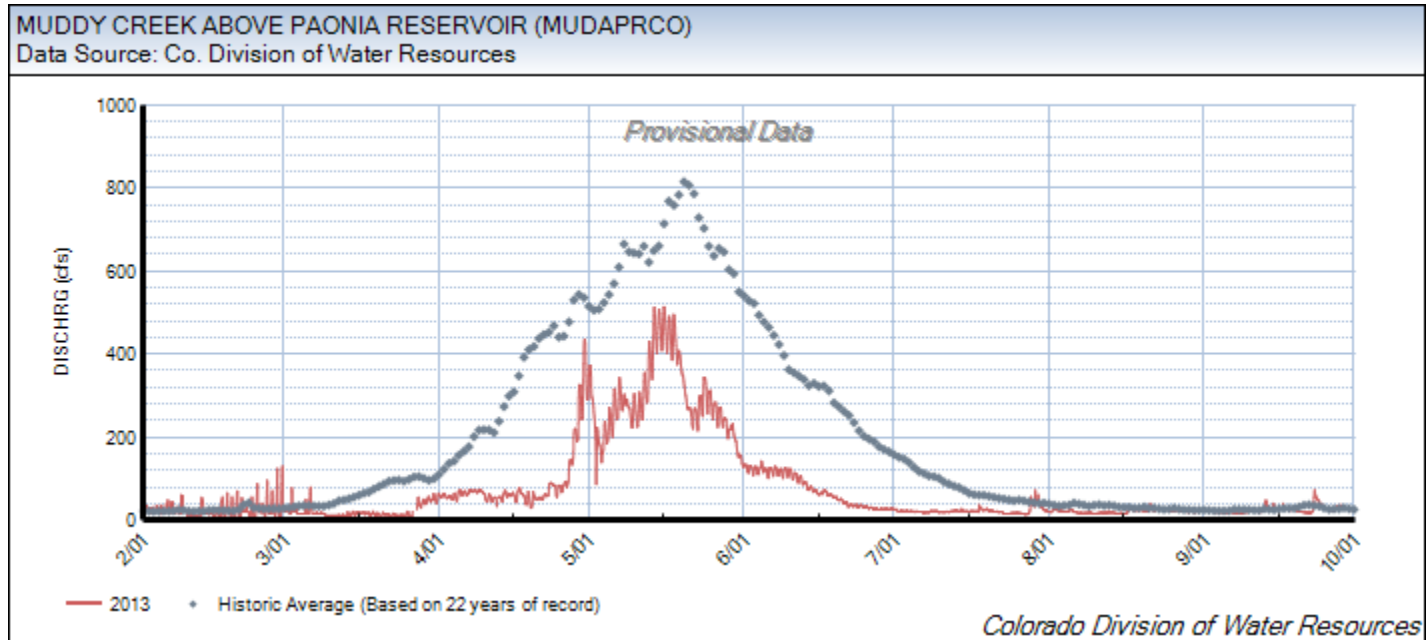
North Fork Gunnison River and Muddy Creek Watersheds – McClure Pass Snotel
WY 2021 = Low March 1 SWE



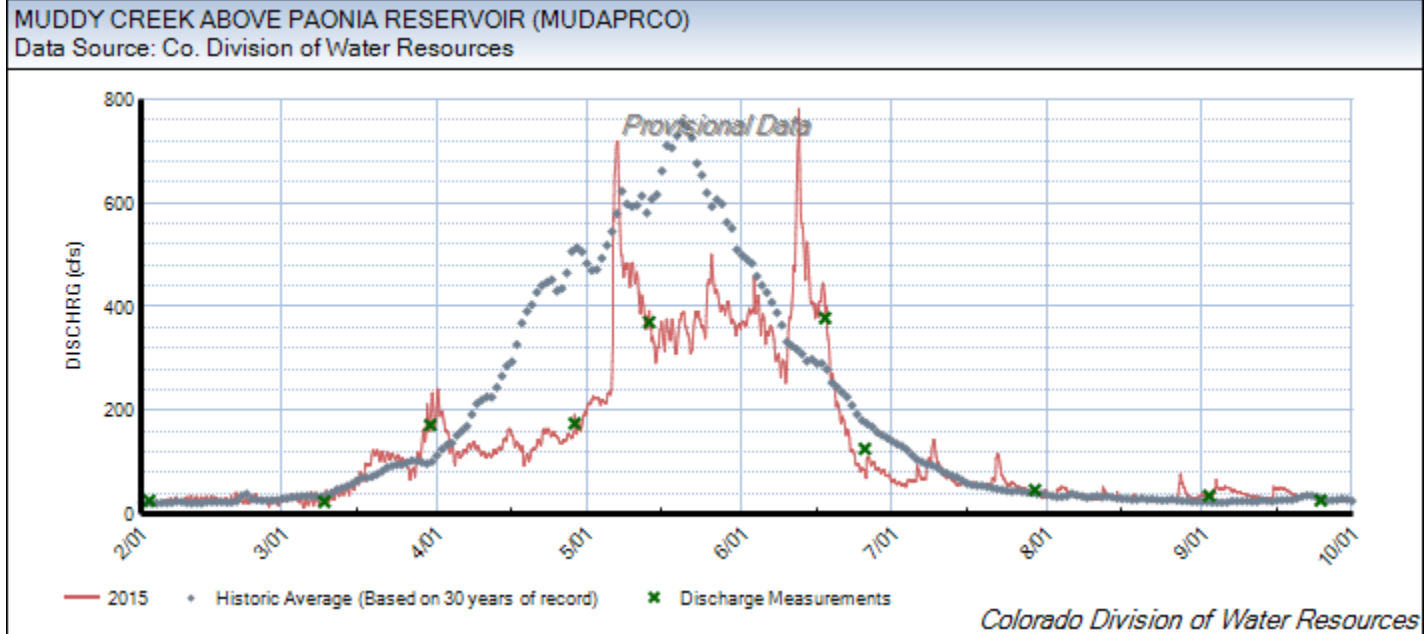
WY 2012: Low March 1 SWE, Dry Spring, Avg Dust



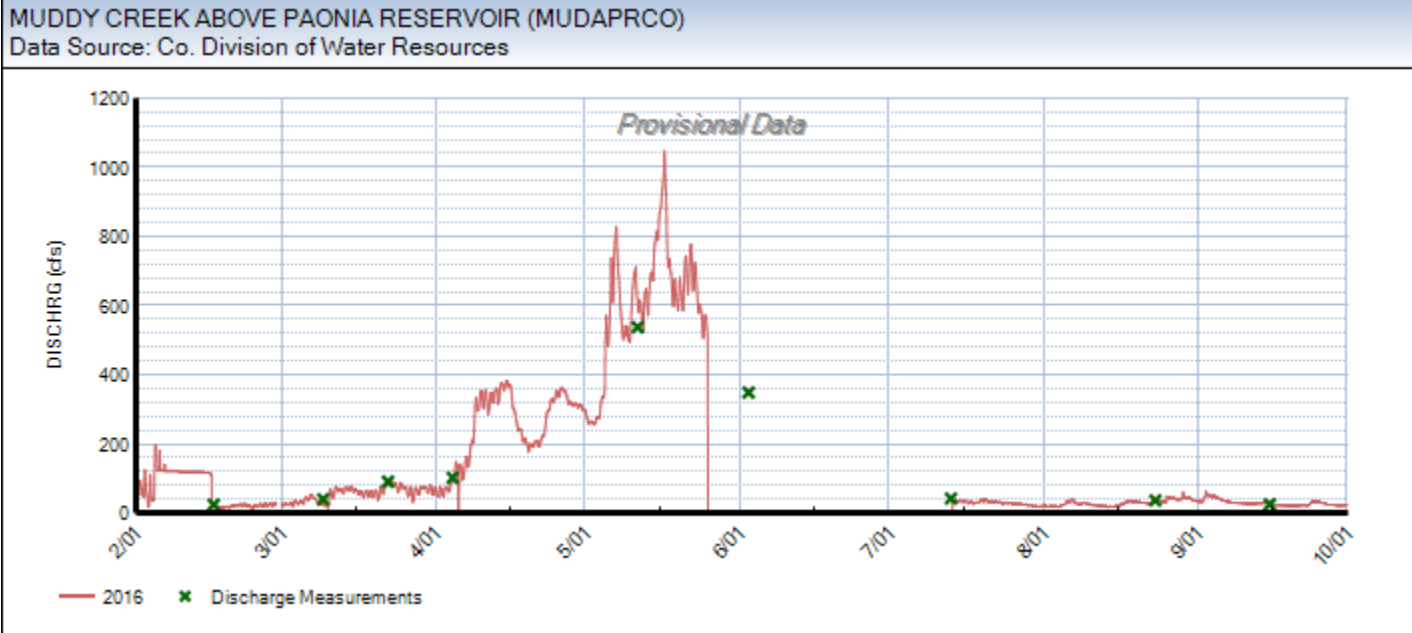
WY 2013: Low March 1 SWE, Avg Spring, Max Dust



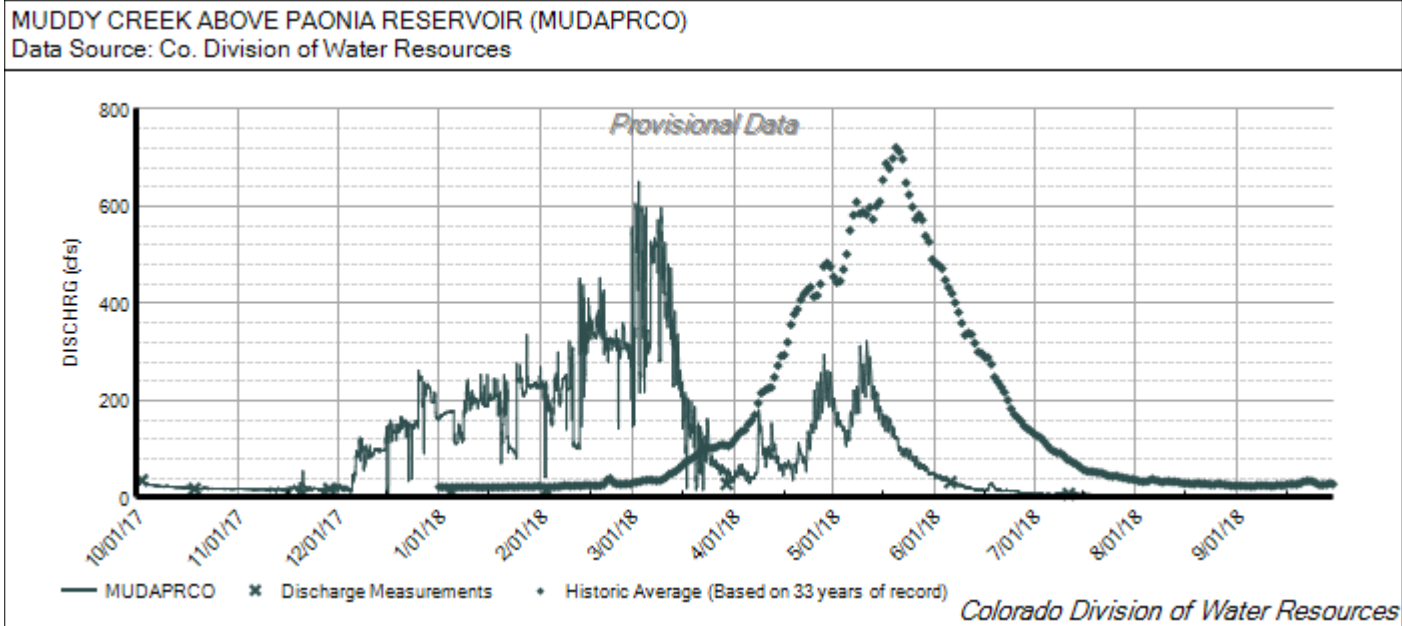
WY 2015: Low March 1 SWE, Avg Spring, Min Dust



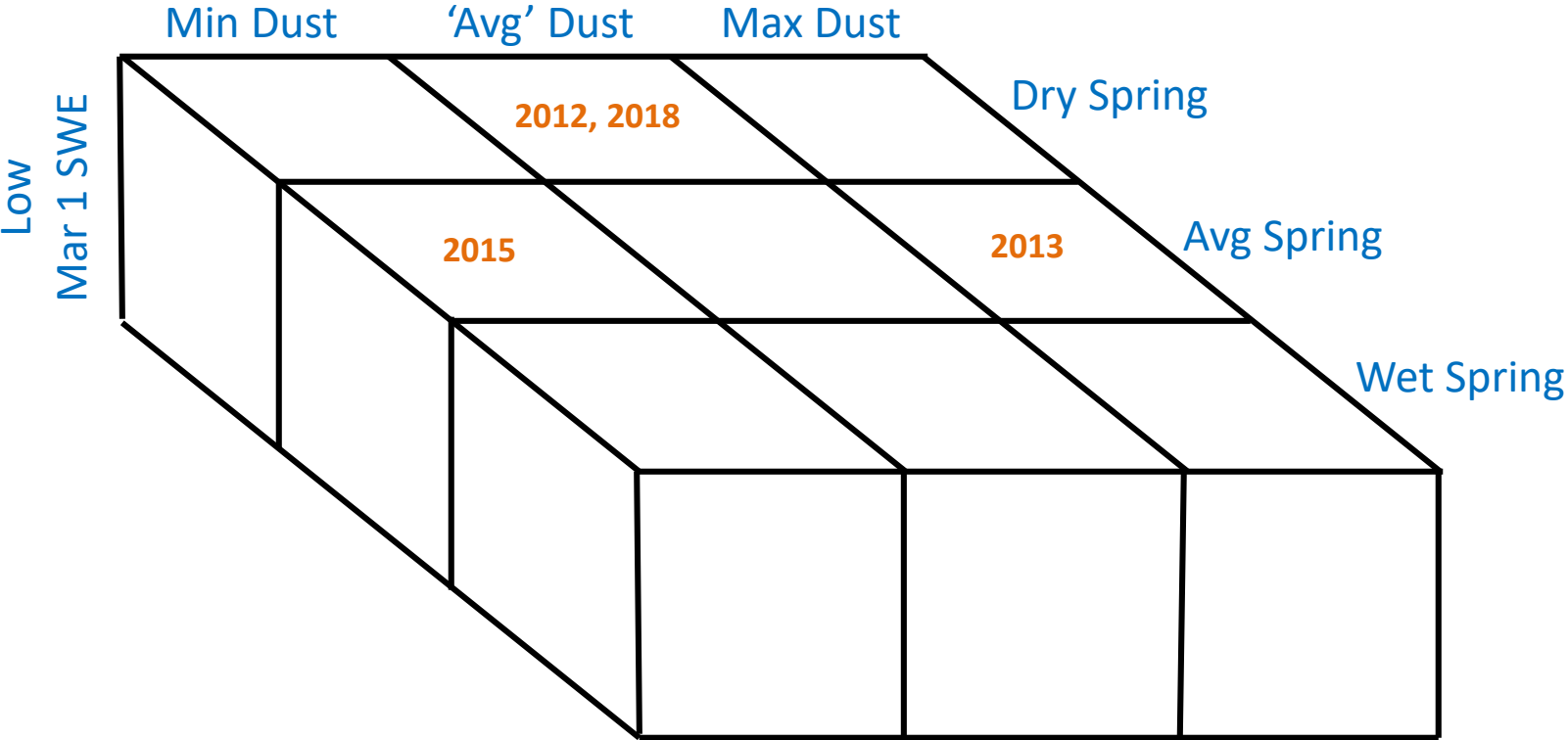
WY 2016: Avg March 1 SWE, Avg Spring, Avg Dust



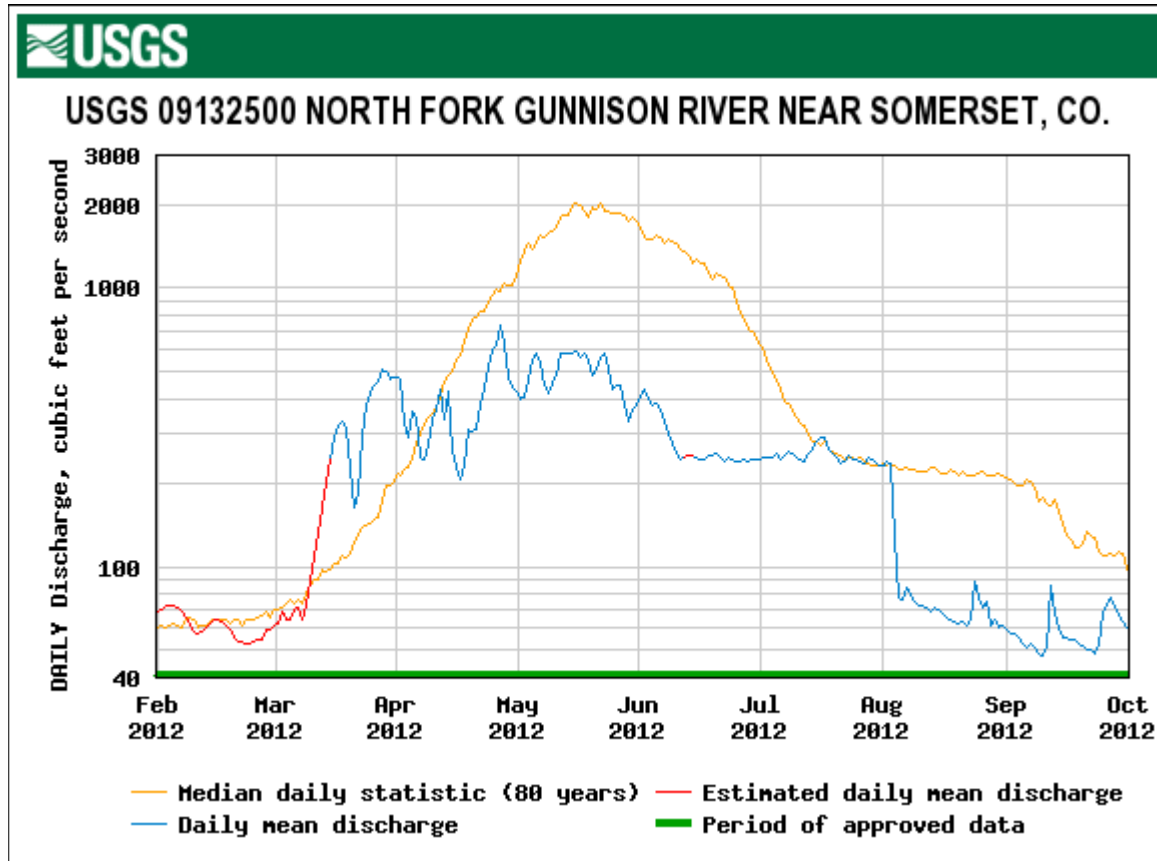
WY 2018: Low March 1 SWE, Dry Spring, Avg Dust



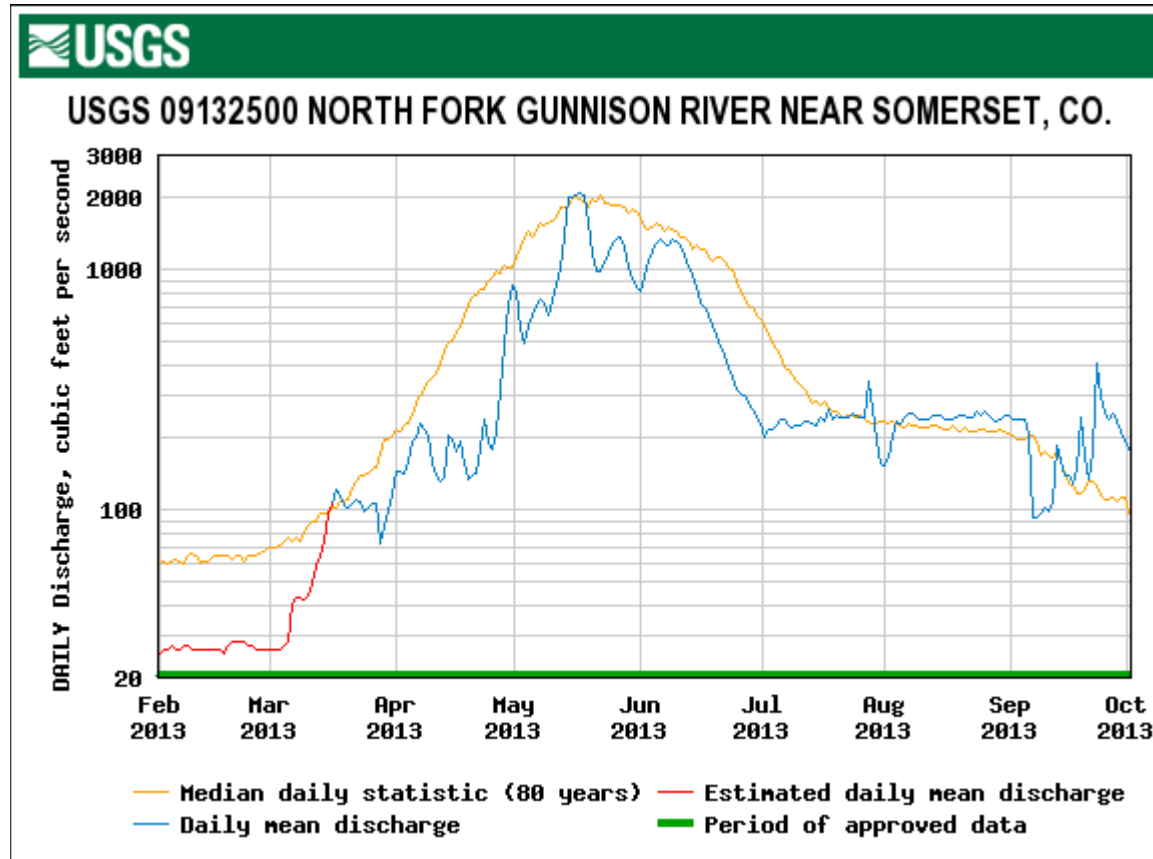
North Fork Gunnison River and Muddy Creek Watersheds – Scholfield Pass Snotel
WY 2021 = Low March 1 SWE



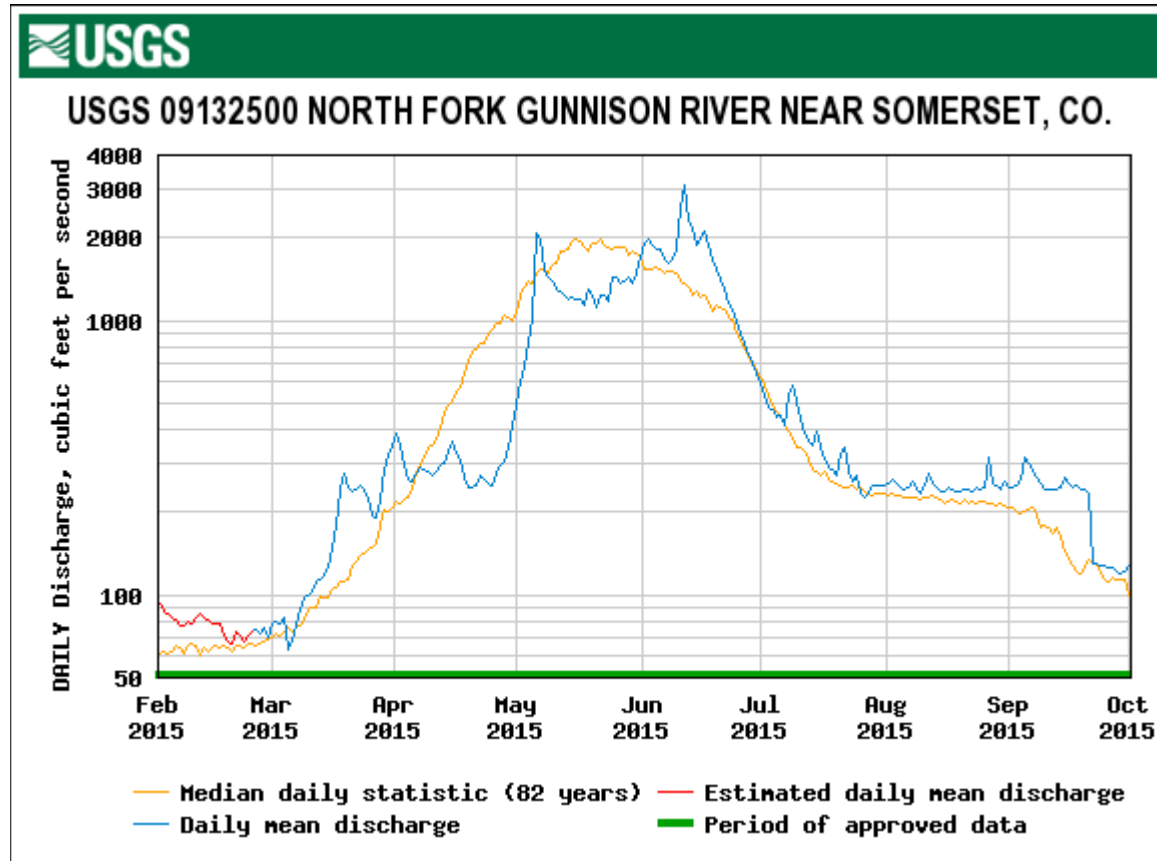
WY 2012: Low March 1 SWE, Dry Spring, Avg Dust



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

