

Colorado Dust-on-Snow Program

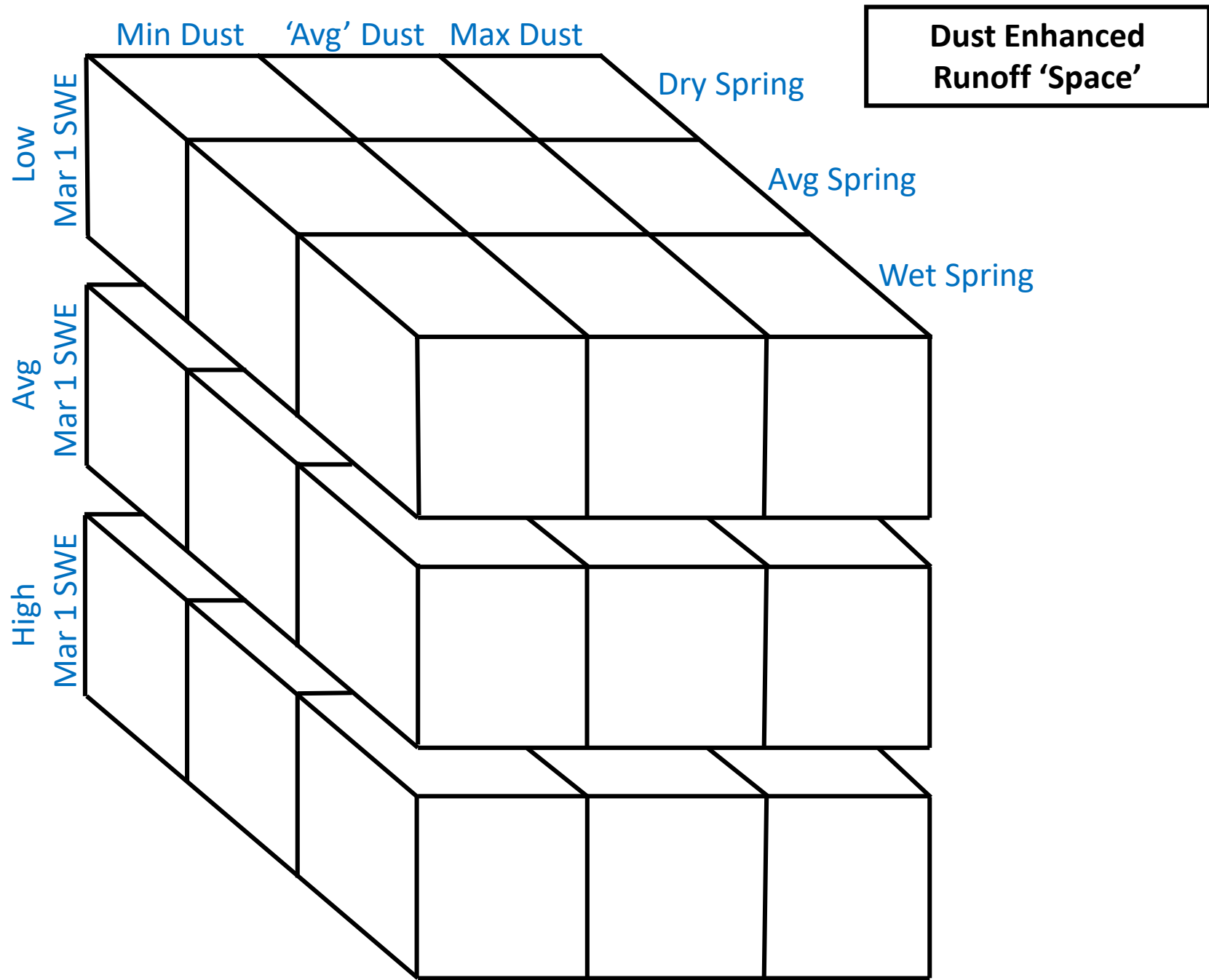
WY 2021 Dust Enhanced Runoff Classification

Grand Mesa Watersheds

as of: March 1, 2021 Update

for:

Mesa Lakes Snotel, Plateau Creek near Cameo and Surface Creek near Cedaredge



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>

Surface Creek
Mesa Lakes Snotel

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

Dry Spring	Avg Spring	Wet Spring
2007	2006	2011
2012	2008	2015
2013	2009	2016
2017	2010	
2018	2014	

Mar 1 SWE

1981-2010

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

Median Actual %

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

Year	Median	Actual	%
2006	12.7	10.1	80%
2007	12.7	10.4	82%
2008	12.7	17.0	134%
2009	12.7	12.4	98%
2010	12.7	12.2	96%
2011	12.7	16.0	126%
2012	12.7	11.3	89%
2013	12.7	10.5	83%
2014	12.7	11.4	90%
2015	12.7	7.9	62%
2016	12.7	12.9	102%
2017	12.7	16.8	132%
2018	12.7	6.1	48%

Plateau Creek

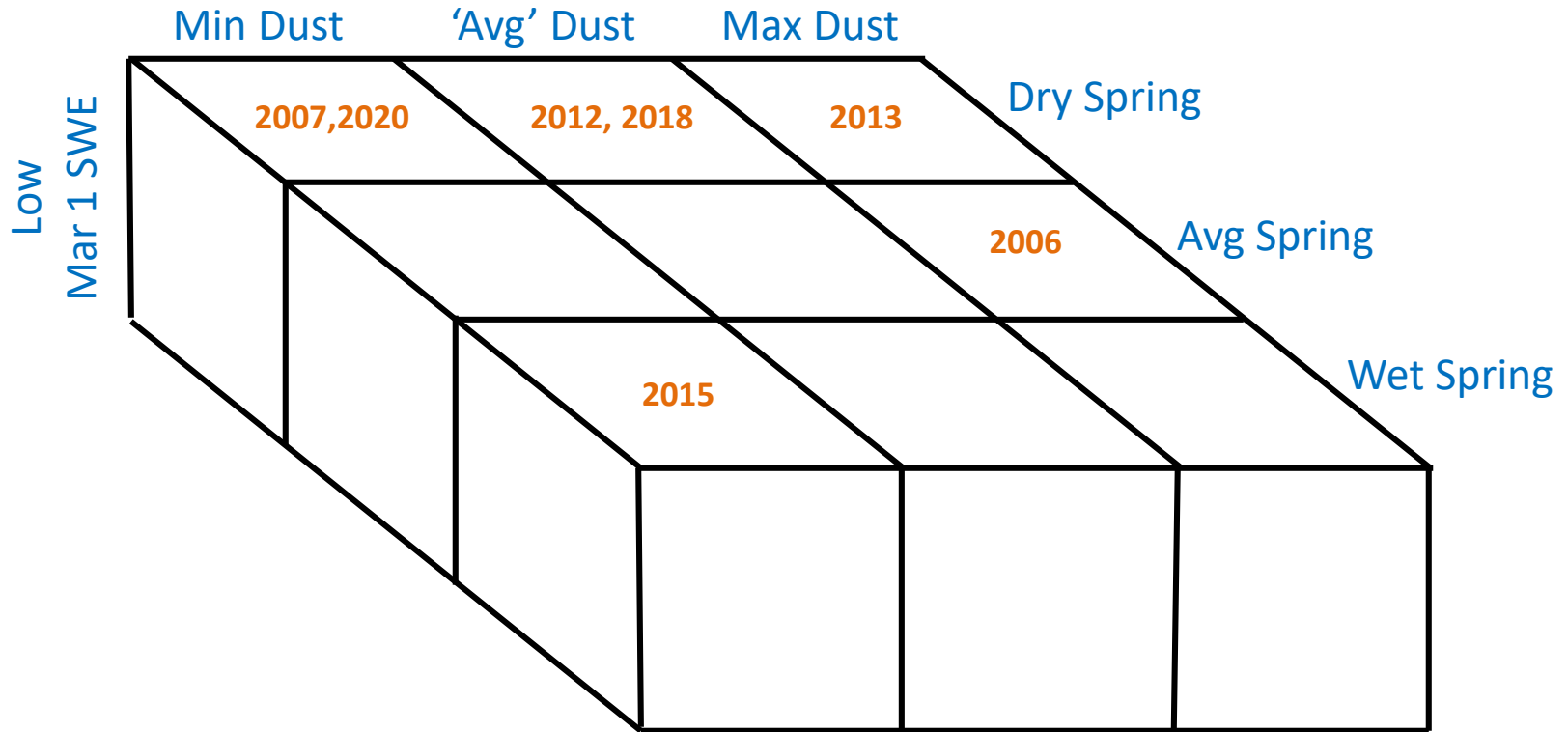
Mesa Lakes Snotel

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

Dry Spring	Avg Spring	Wet Spring
2007	2006	2011
2012	2008	2015
2013	2009	2016
2017	2010	
2018	2014	

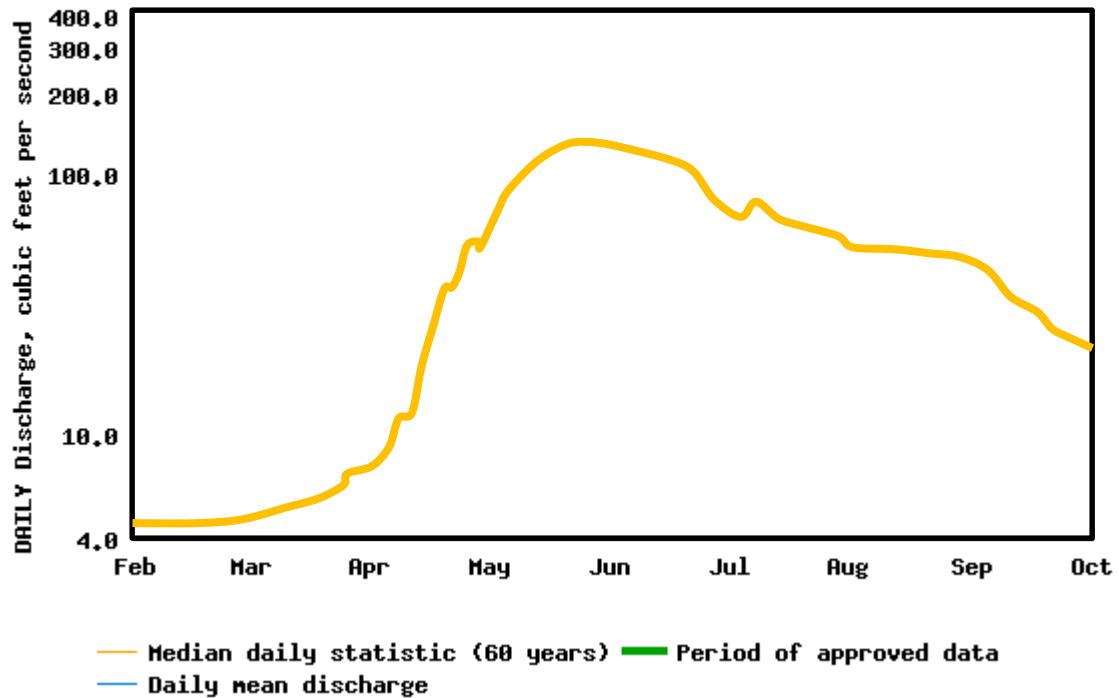
			1981-2010		
			Median	Actual	%
Low Swe	Avg Swe	High SWE			
2006	2009	2008	2006	12.7	10.1 80%
2007	2010	2011	2007	12.7	10.4 82%
2012	2014	2017	2008	12.7	17.0 134%
2013	2016		2009	12.7	12.4 98%
2015			2010	12.7	12.2 96%
2018			2011	12.7	16.0 126%
			2012	12.7	11.3 89%
Min Dust	Avg Dust	Max Dust	2013	12.7	10.5 83%
	2006		2014	12.7	11.4 90%
2007			2015	12.7	7.9 62%
	2008		2016	12.7	12.9 102%
		2009	2017	12.7	16.8 132%
	2010		2018	12.7	6.1 48%
	2011				
	2012				
		2013			
	2014				
2015					
	2016				
	2017				
	2018				

Grand Mesa Watersheds – Mesa Lakes Snotel
WY 2020 = Low March 1 SWE



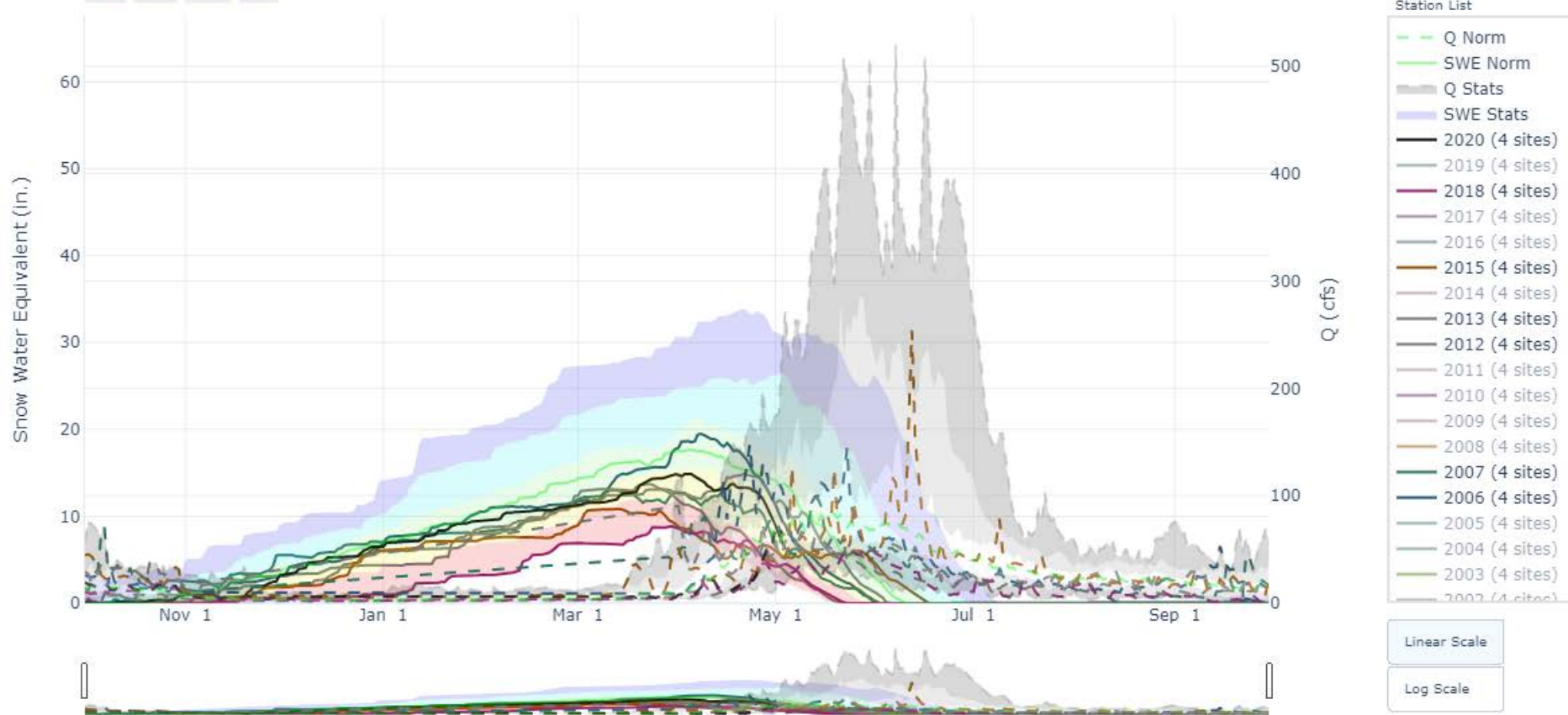


USGS 09143000 SURFACE CREEK NEAR CEDAREdge, CO



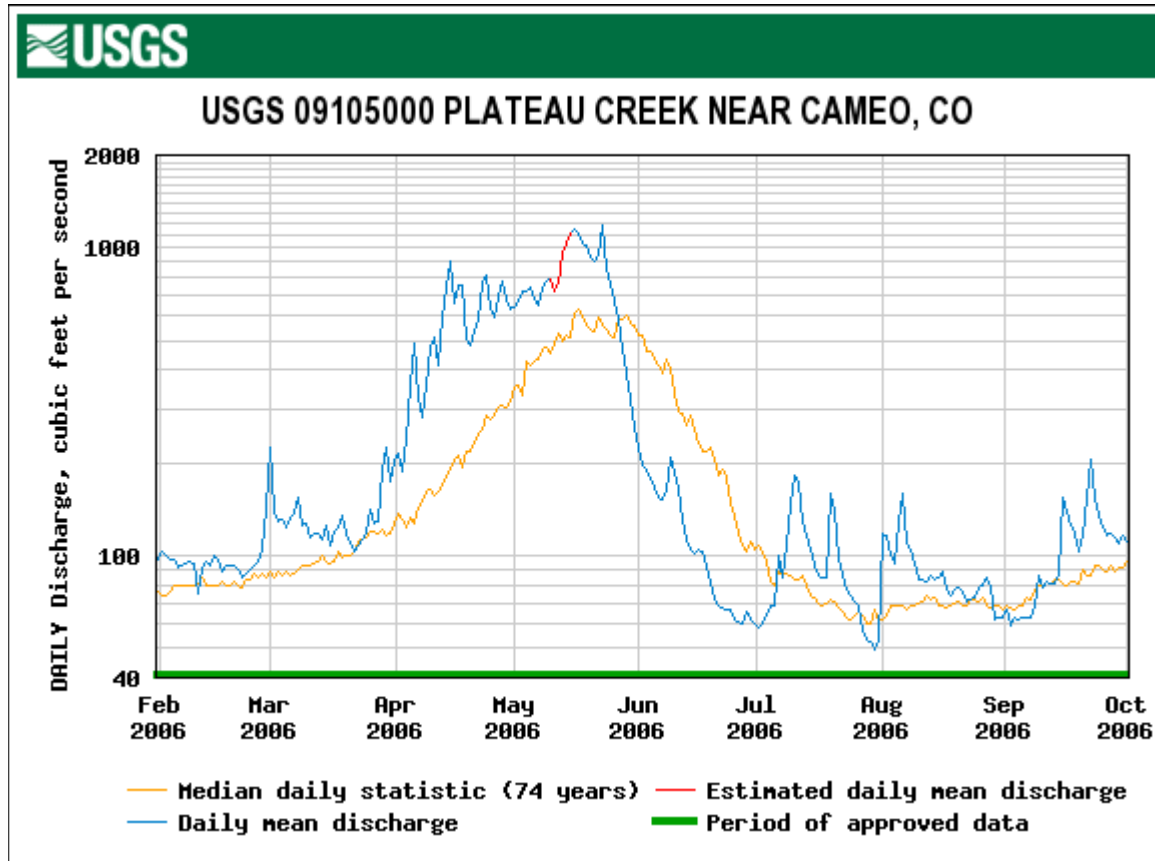
SWE-Q Relationship for Surface Ck at Cedaredge

Jan Apr July WY

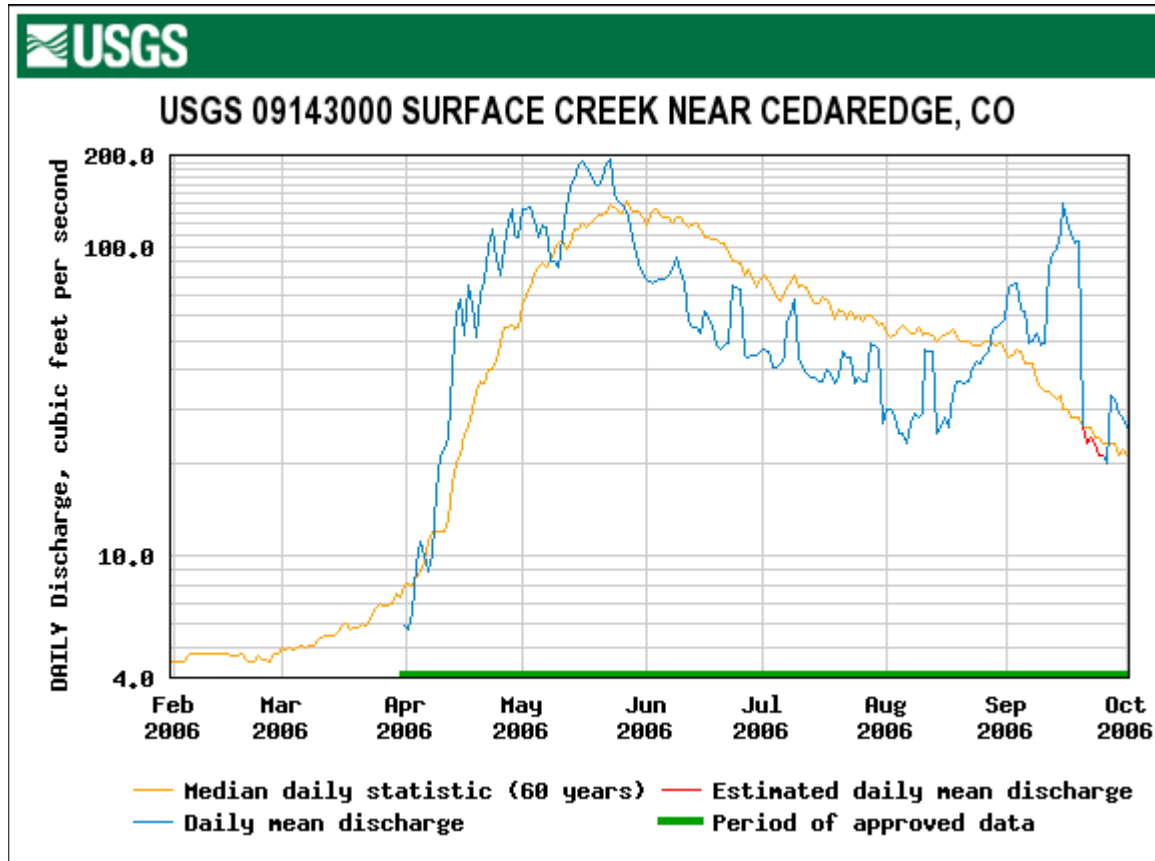


* # of sites does not meet threshold. Data from this year will not be used in calculation of statistics

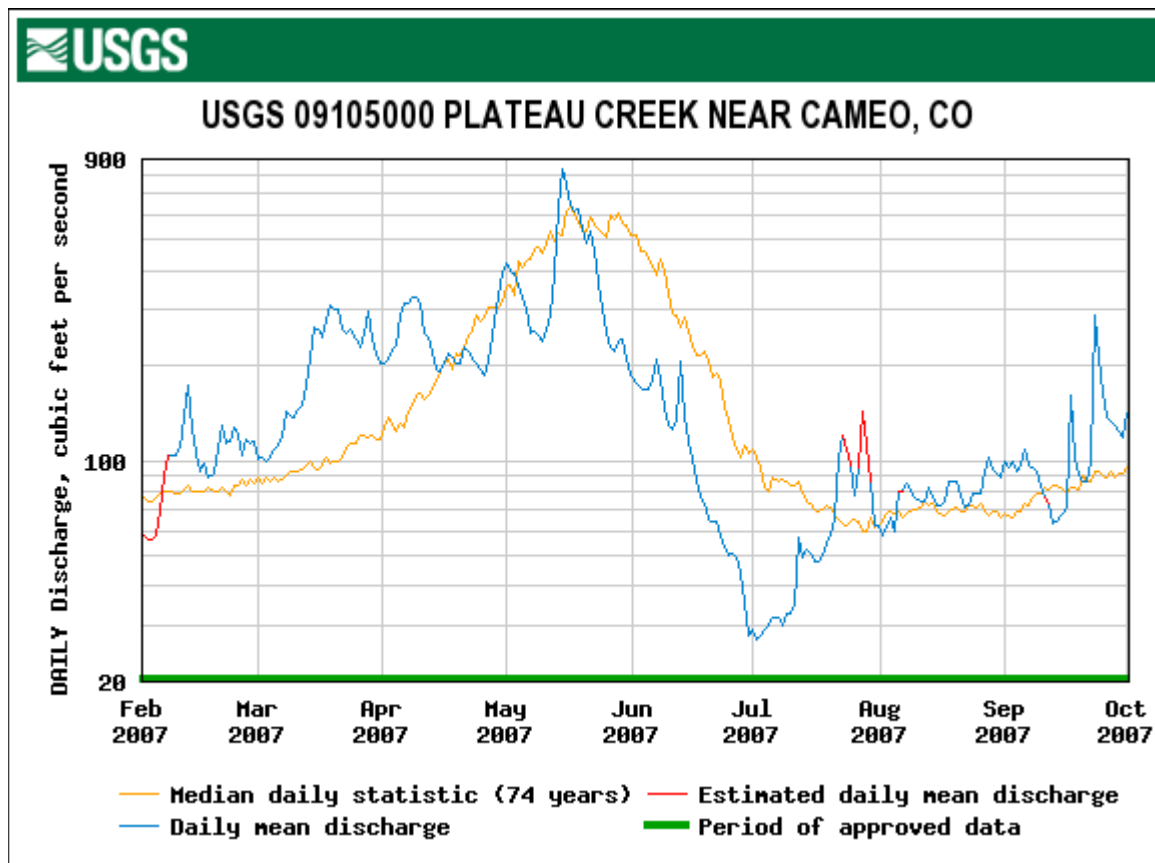
WY 2006: Low March 1 SWE, Avg Spring, Max- Dust



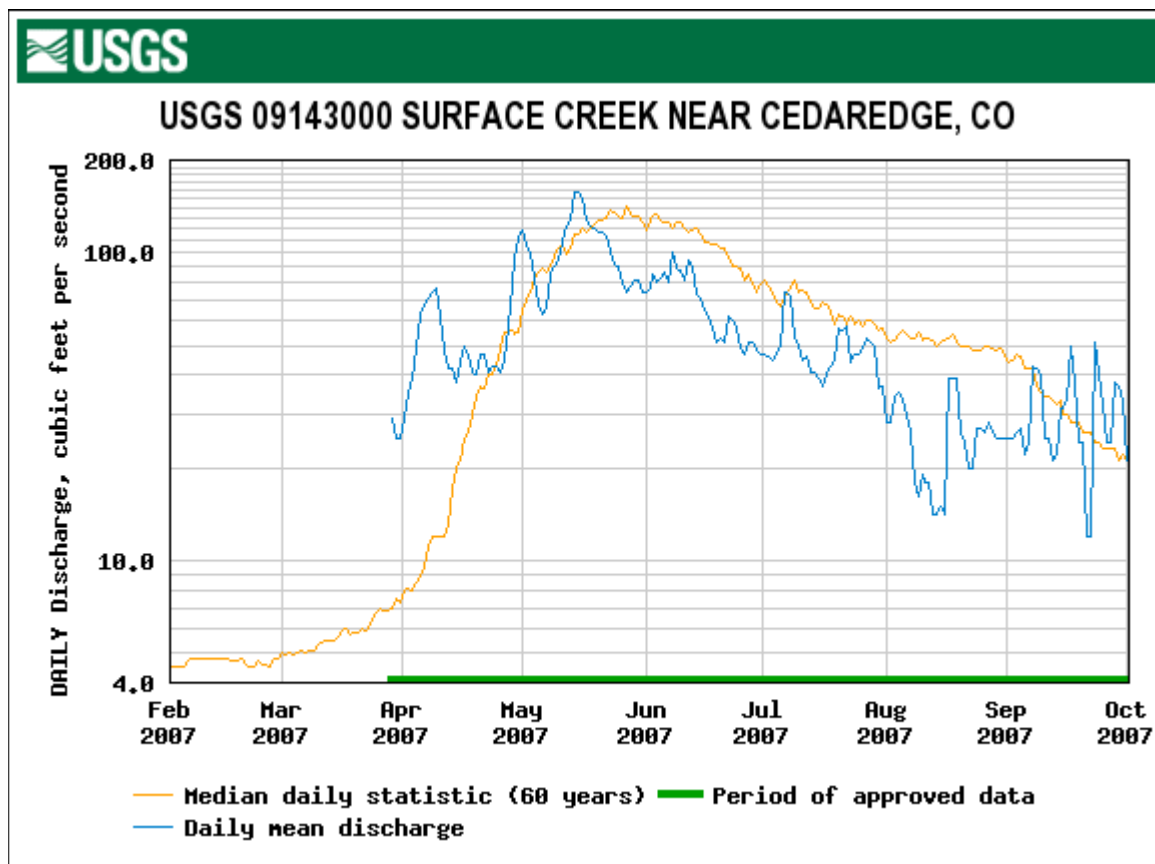
WY 2006: Low March 1 SWE, Avg Spring, Max- Dust



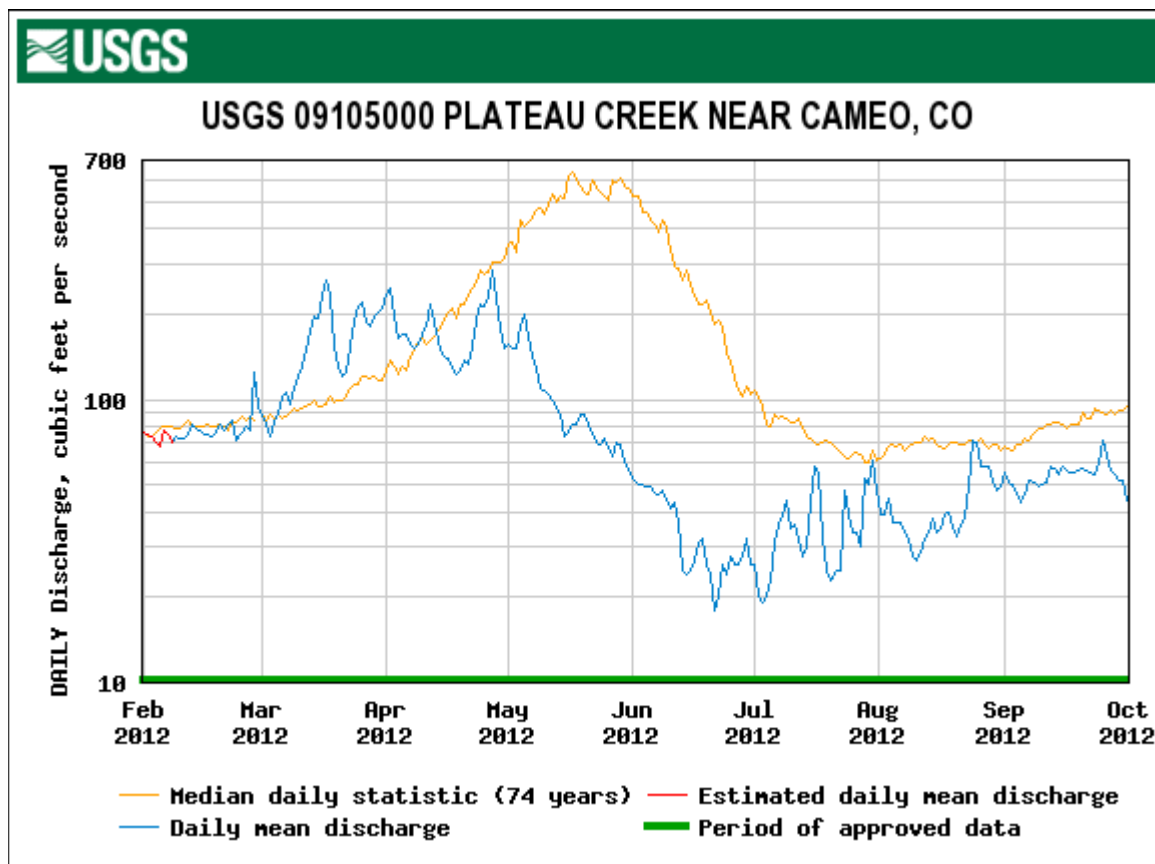
WY 2007: Low March 1 SWE, Dry Spring, Min+ Dust



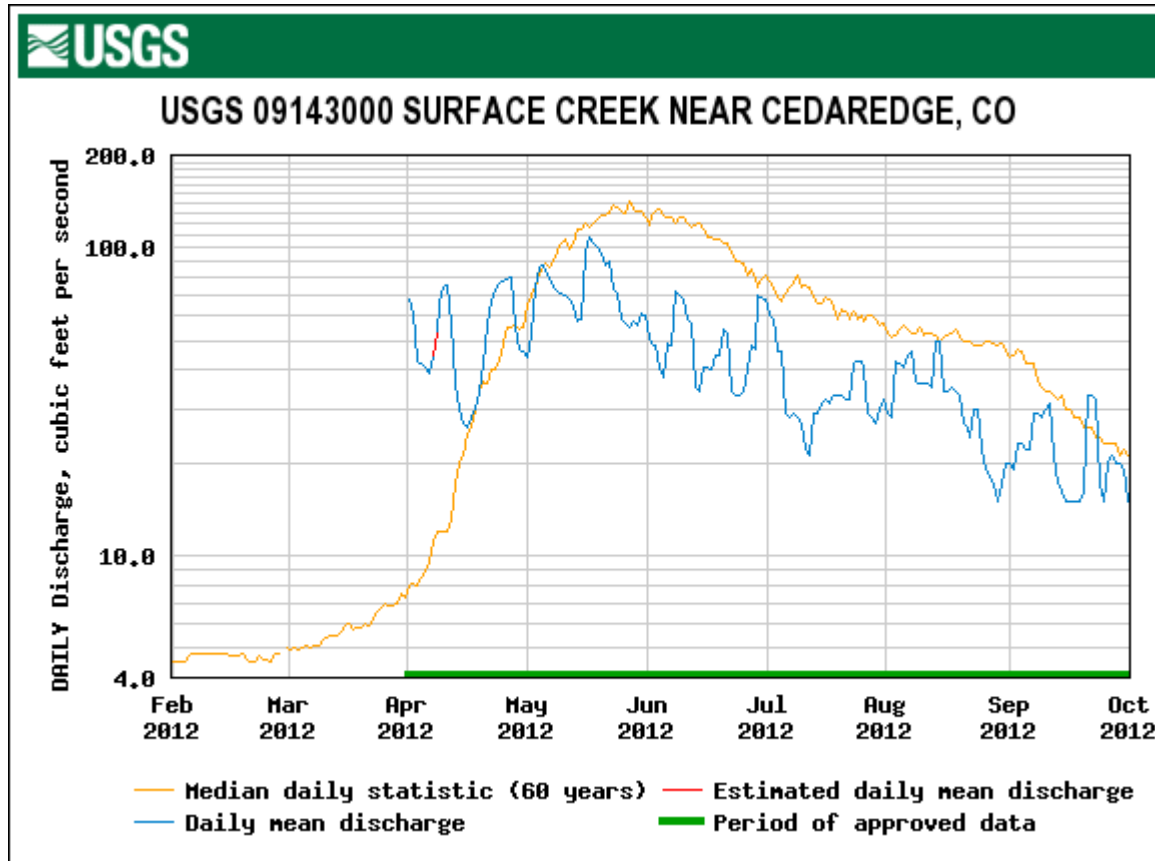
WY 2007: Low March 1 SWE, Dry Spring, Min+ Dust



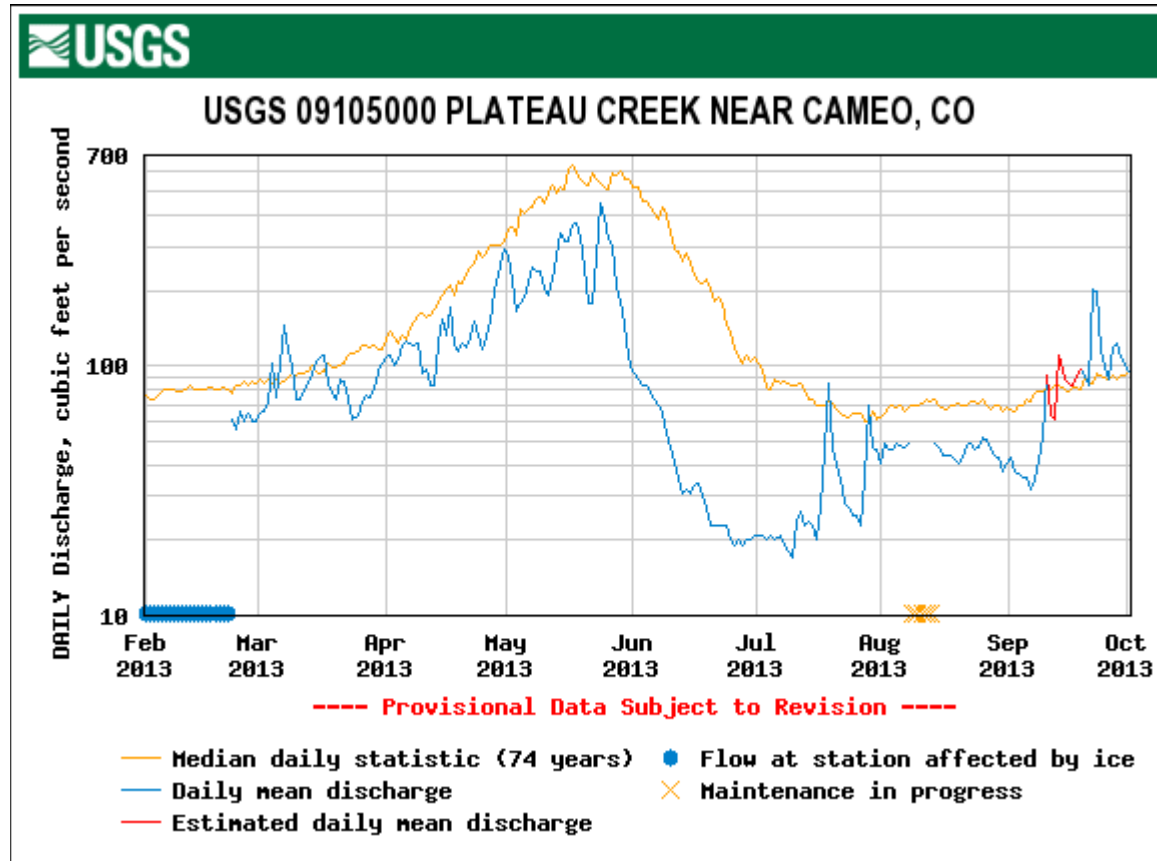
WY 2012: Low March 1 SWE, Dry Spring, Avg Dust



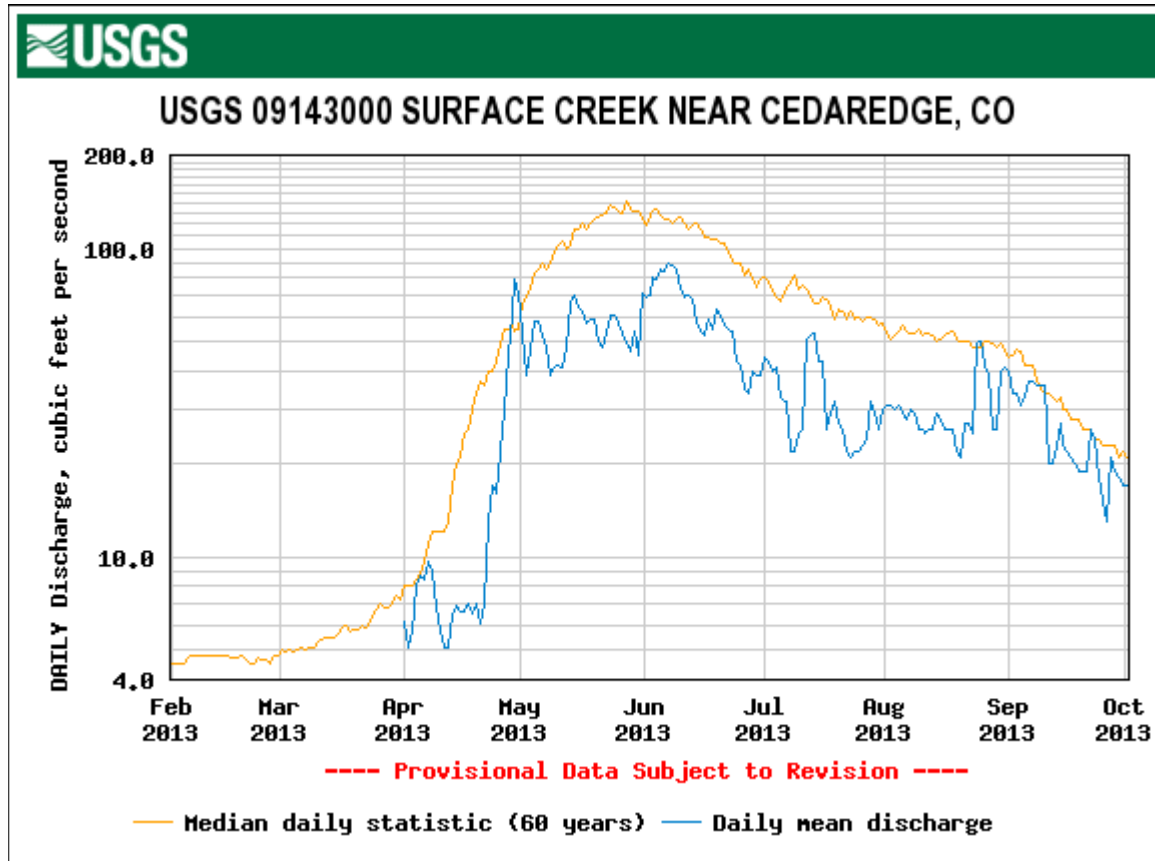
WY 2012: Low March 1 SWE, Dry Spring, Avg Dust



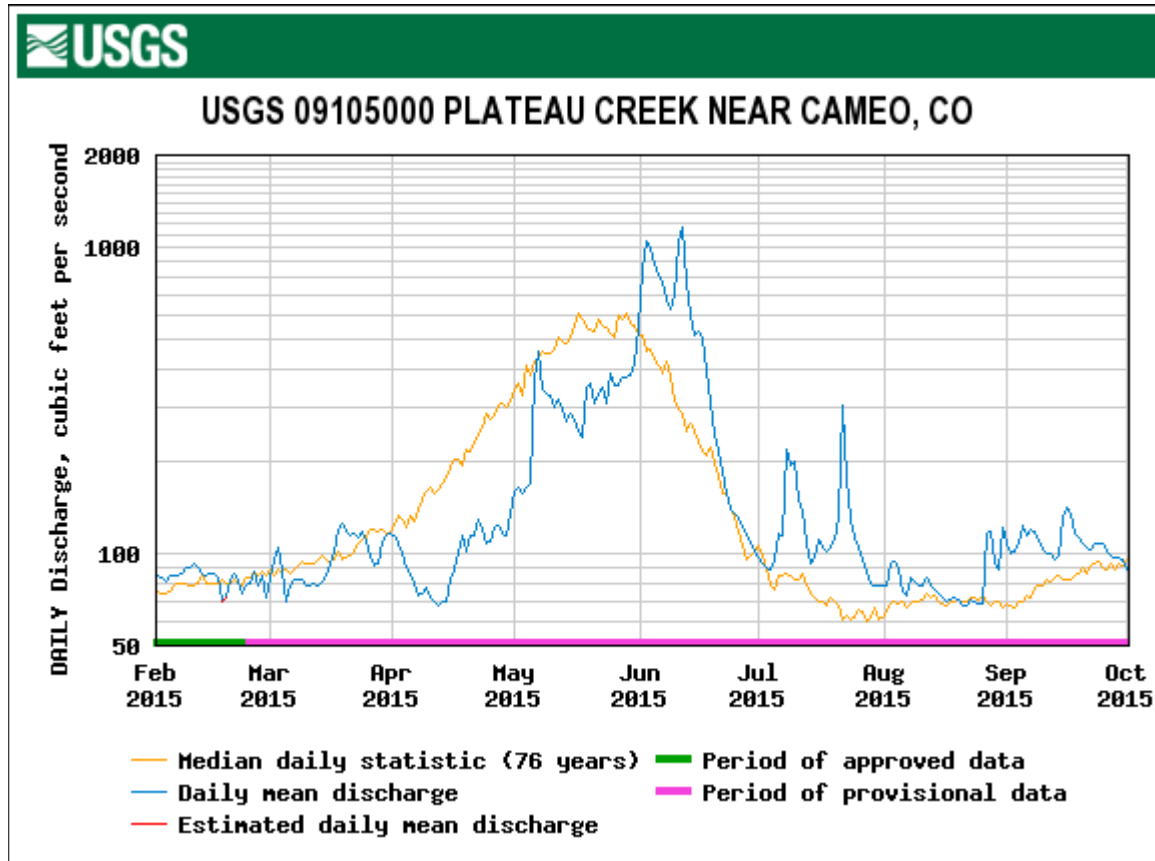
WY 2013: Low March 1 SWE, Dry Spring, Max Dust



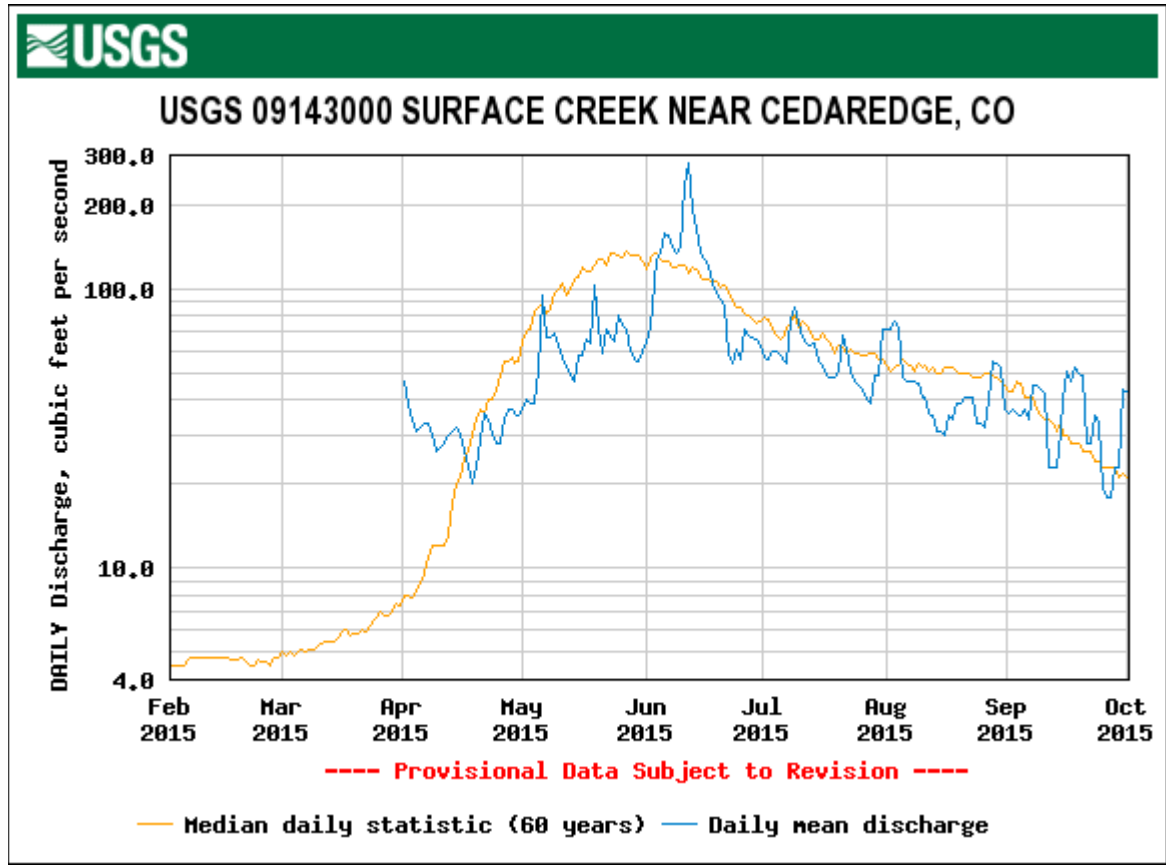
WY 2013: Low March 1 SWE, Dry Spring, Max Dust



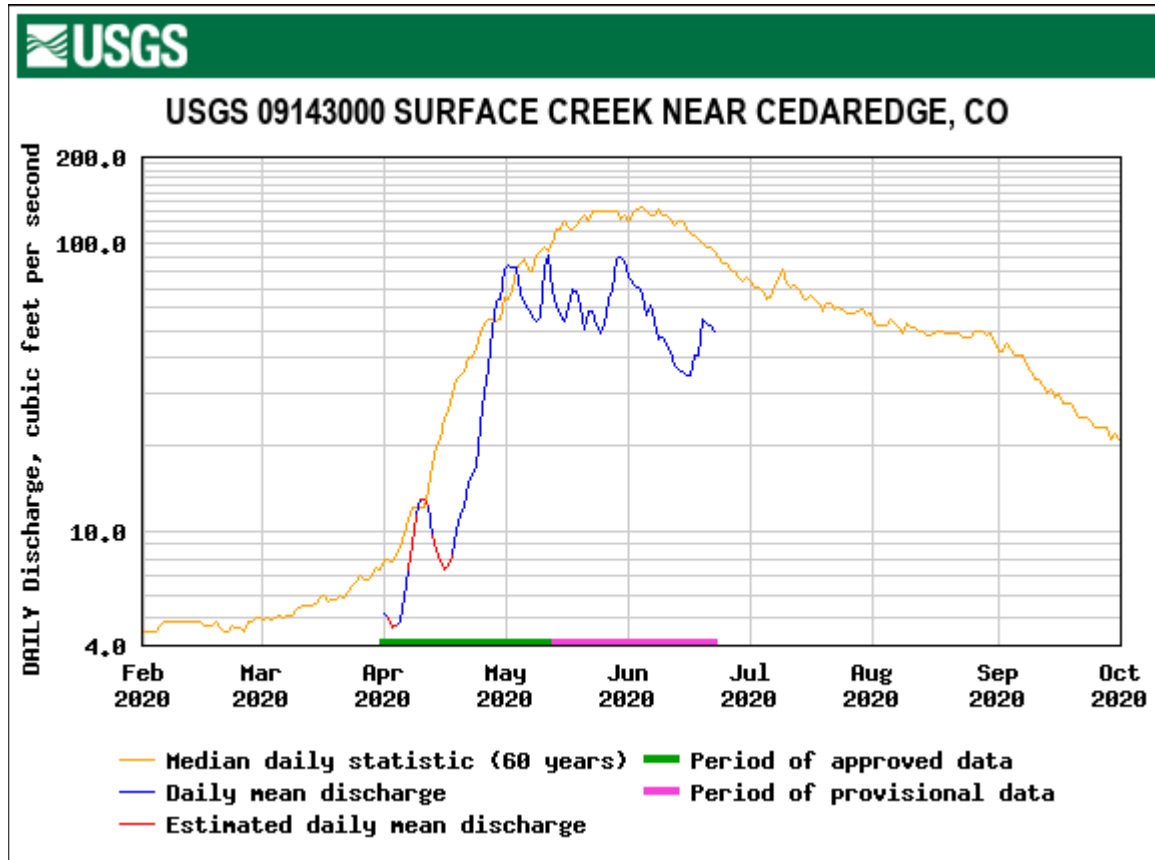
WY 2015: Low March 1 SWE, Wet Spring, Min Dust



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



WY 2020: Low March 1 SWE, Dry Spring, Min Dust



WY 2020: Low March 1 SWE, Dry Spring, Min Dust

