

Colorado Dust-on-Snow Program

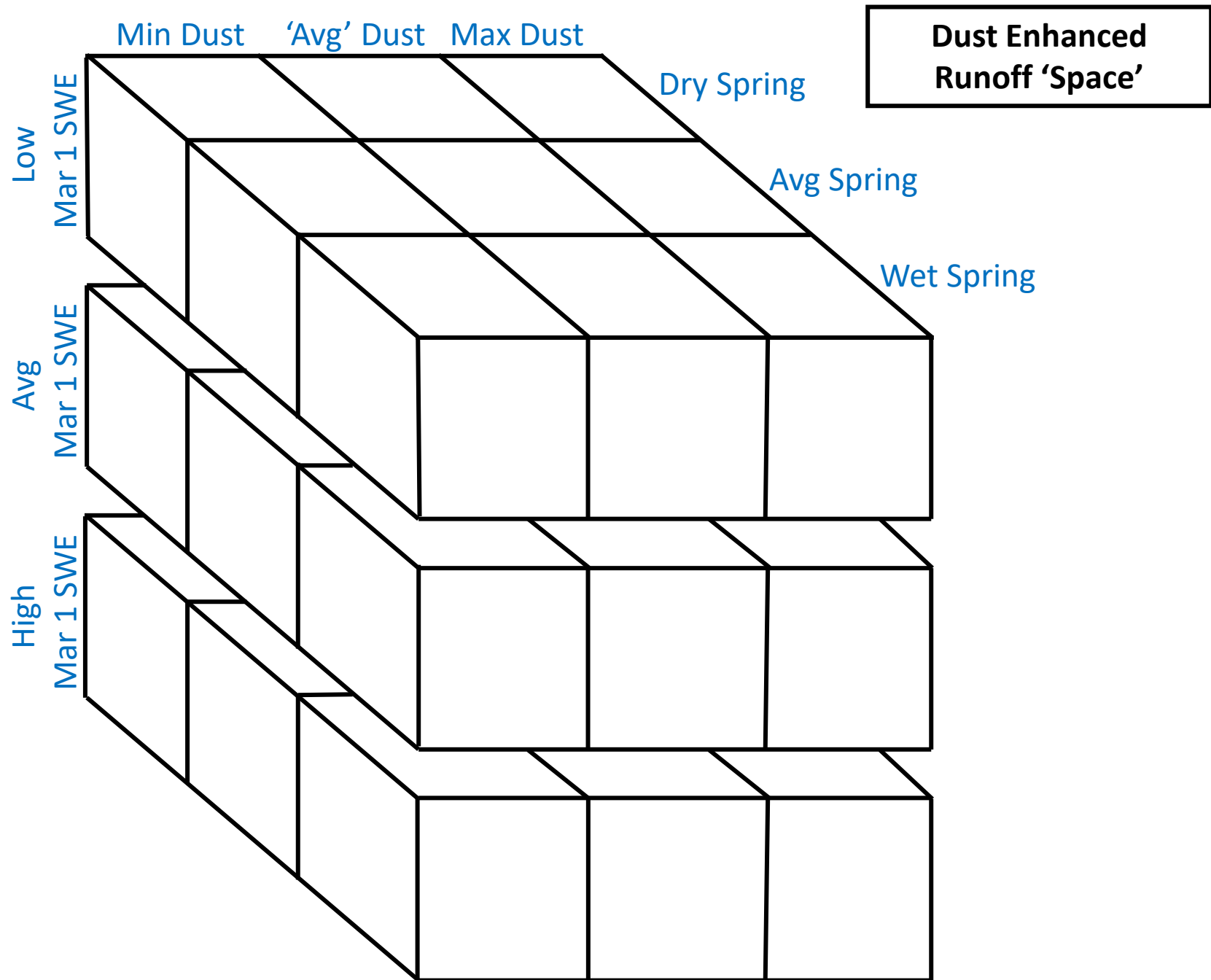
WY 2023 Dust Enhanced Runoff Classification

Grand Mesa Watersheds

as of: March 1, 2023 Update

for:

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



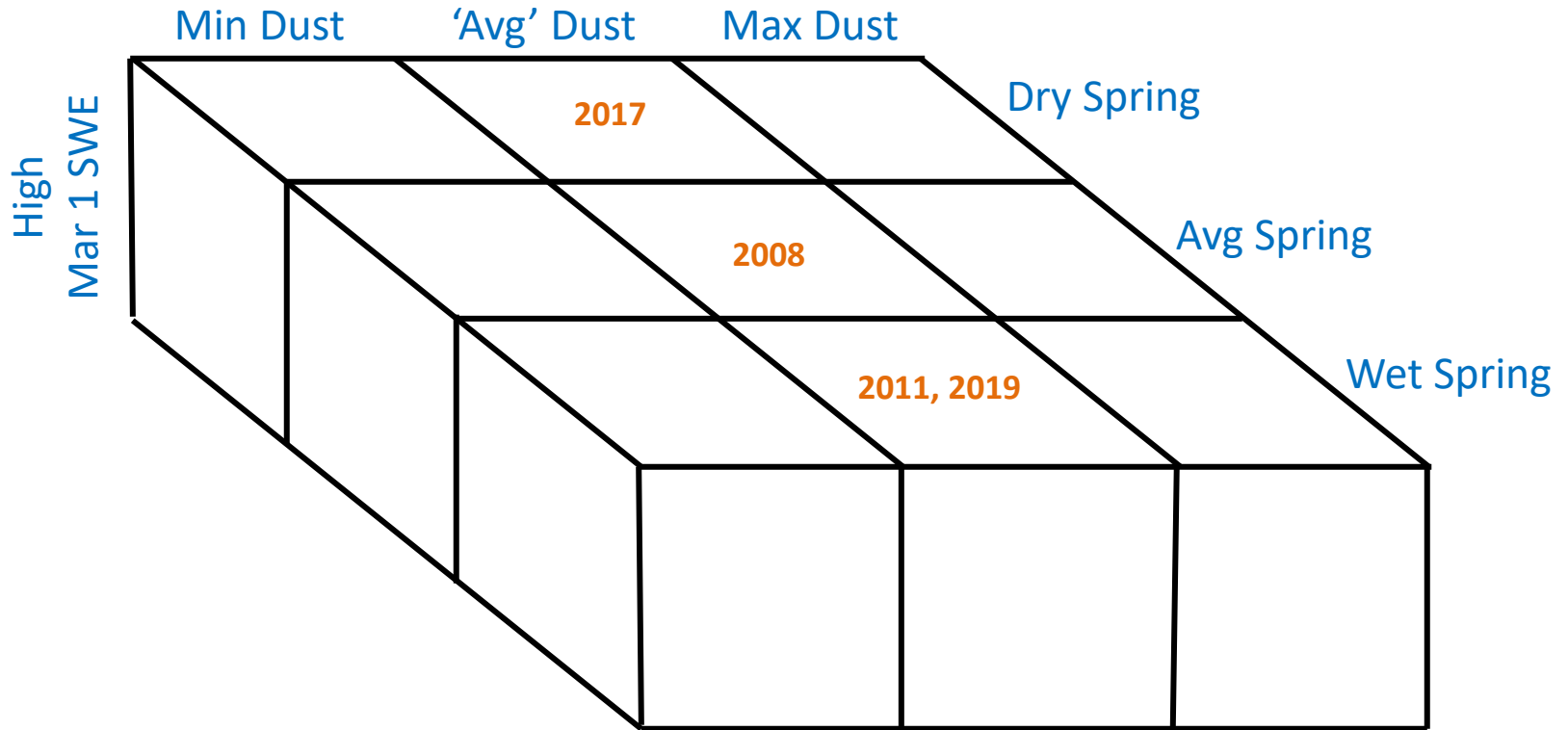
**CODOS and Other Selected SNOTEL Sites
% 1991-2020 Median March 1 SWE**

SNOTEL Site	Median	Actual	% Median SWE	CODOS Classification based on 1991-2020
	SWE	SWE	1991-2020	
	March 1	March 1	March 1	
	1991-2020	WY 2023	WY 2023	
Red Mtn Pass	17.1	21.4	125%	High
Slumgullion	10.6	10.0	94%	Average
Upper San Juan	23.9	30.0	126%	High
Wolf Creek Summit	24.4	31.6	130%	High
Beartown	16.6	21.3	128%	High
Lizard Head	11.8	15.9	135%	High
Park Cone	8.2	9.5	116%	High
Schofield Pass	24.2	32.1	133%	High
McClure Pass	13.4	19.9	149%	High
Independence Pass	13.0	12.5	96%	Average
Hoosier Pass	10.4	9.5	91%	Average
Grizzly Peak	13.6	12.4	91%	Average
Berthoud Summit	13.8	14.1	102%	Average
Willow Creek Pass	10.6	13.1	124%	High
Rabbit Ears Pass	19.6	23.7	121%	High
Mesa Lakes	12.3	15.6	127%	High

Surface Creek				
Mesa Lakes Snotel				
		Dry Spring	Avg Spring	Wet Spring
LOW March 1 SWE	Min Dust	2007, 2020		2015
	Avg Dust	2012, 2018, 2021		
	Max Dust	2013	2006	
AVG March 1 SWE	Min Dust			
	Avg Dust		2014	2016
	Max Dust	2022	2009, 2010	
HIGH March 1 SWE	Min Dust			
	Avg Dust	2017	2008	2011, 2019
	Max Dust			

Plateau Creek				
Mesa Lakes Snotel				
		Dry Spring	Avg Spring	Wet Spring
LOW March 1 SWE	Min Dust	2007, 2020		2015
	Avg Dust	2012, 2018, 2021		
	Max Dust	2013	2006	
AVG March 1 SWE	Min Dust			
	Avg Dust		2014	2016
	Max Dust	2022	2009, 2010	
HIGH March 1 SWE	Min Dust			
	Avg Dust	2017	2008	2011, 2019
	Max Dust			

Grand Mesa Watersheds – Mesa Lakes Snotel
WY 2023 = High March 1 SWE

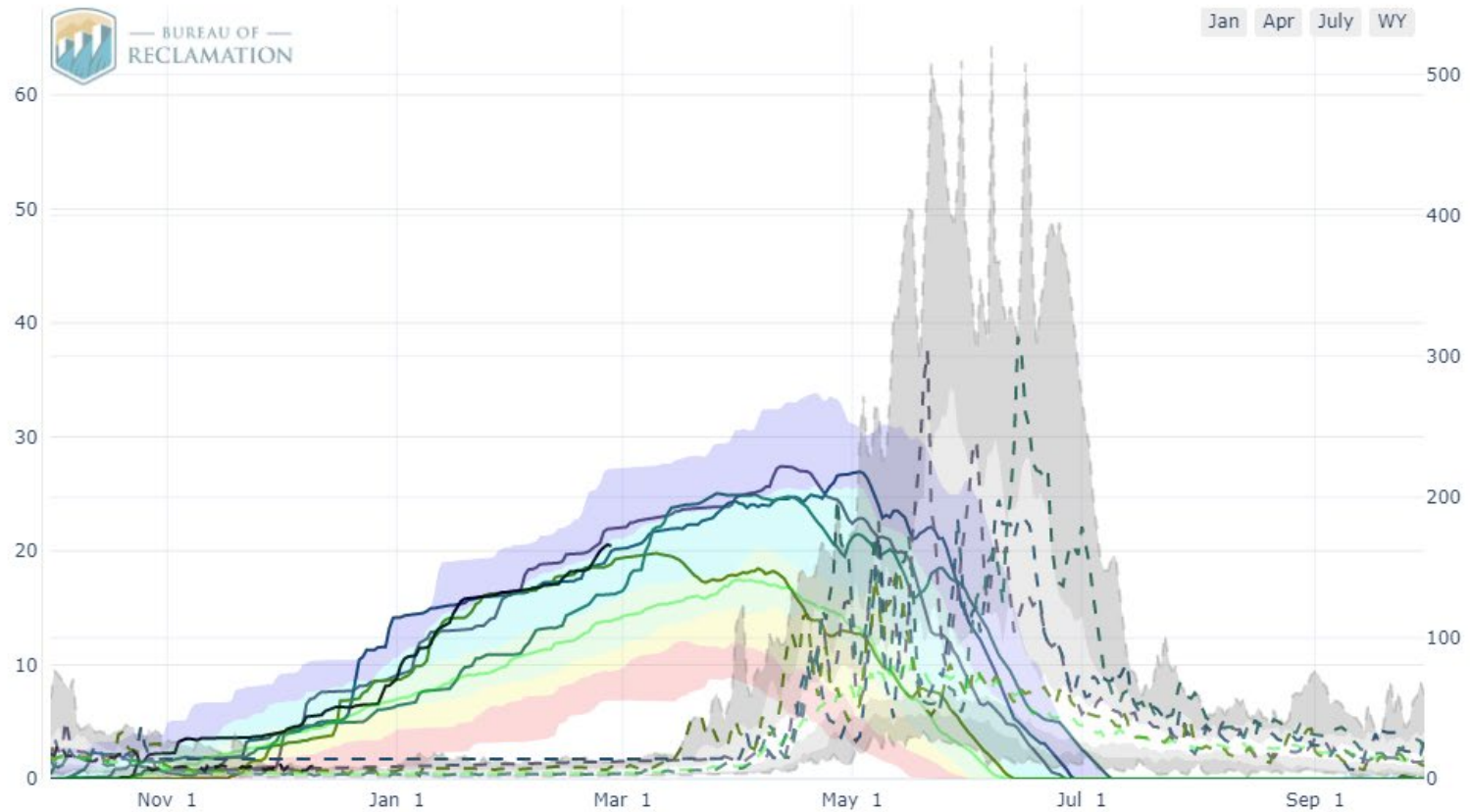


Snow to Flow Relationship for Surface Ck at Cedaredge



Jan Apr July WY

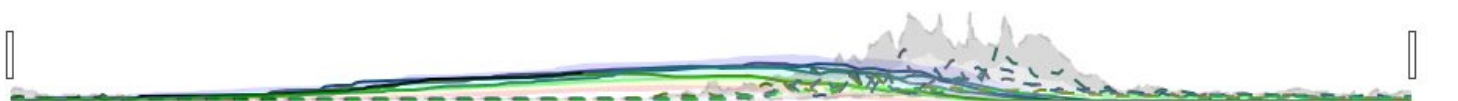
Snow Water Equivalent (in.)



- 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

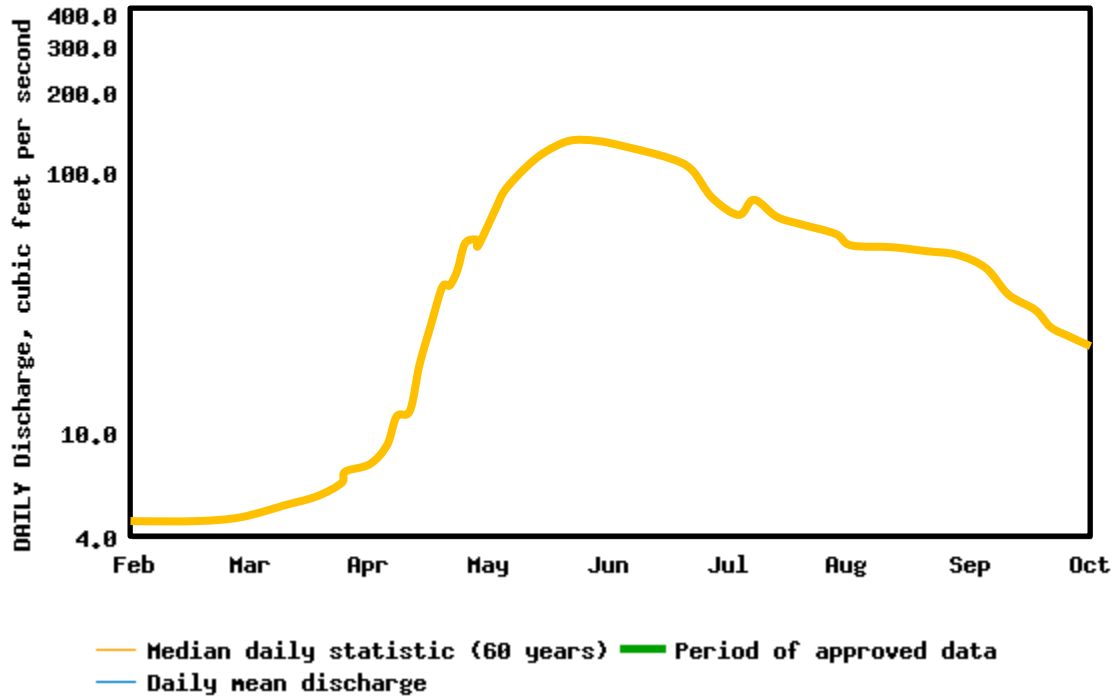
Log Scale



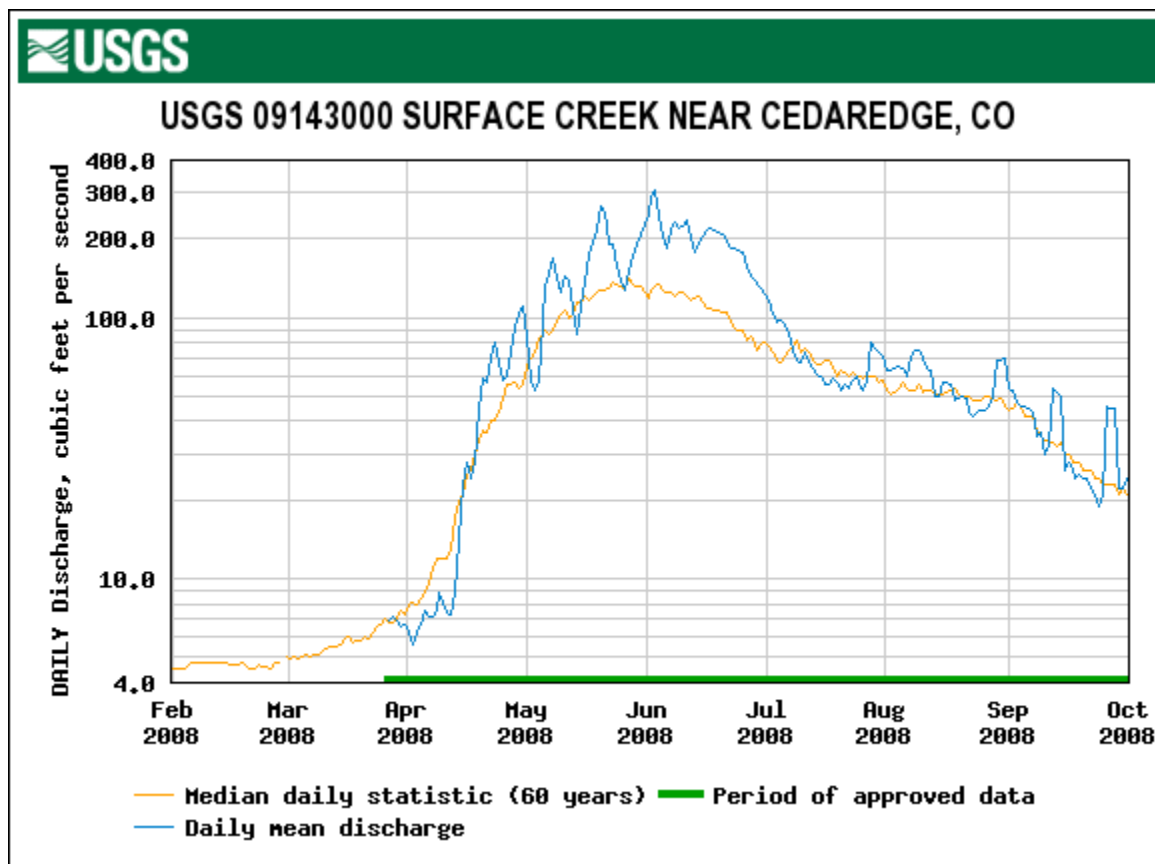
* # of sites does not meet basin threshold. Data from this year will not for use in calculation of statistics
 Updated: "Monday, Feb 27, 2023 @ 04 AM PST"



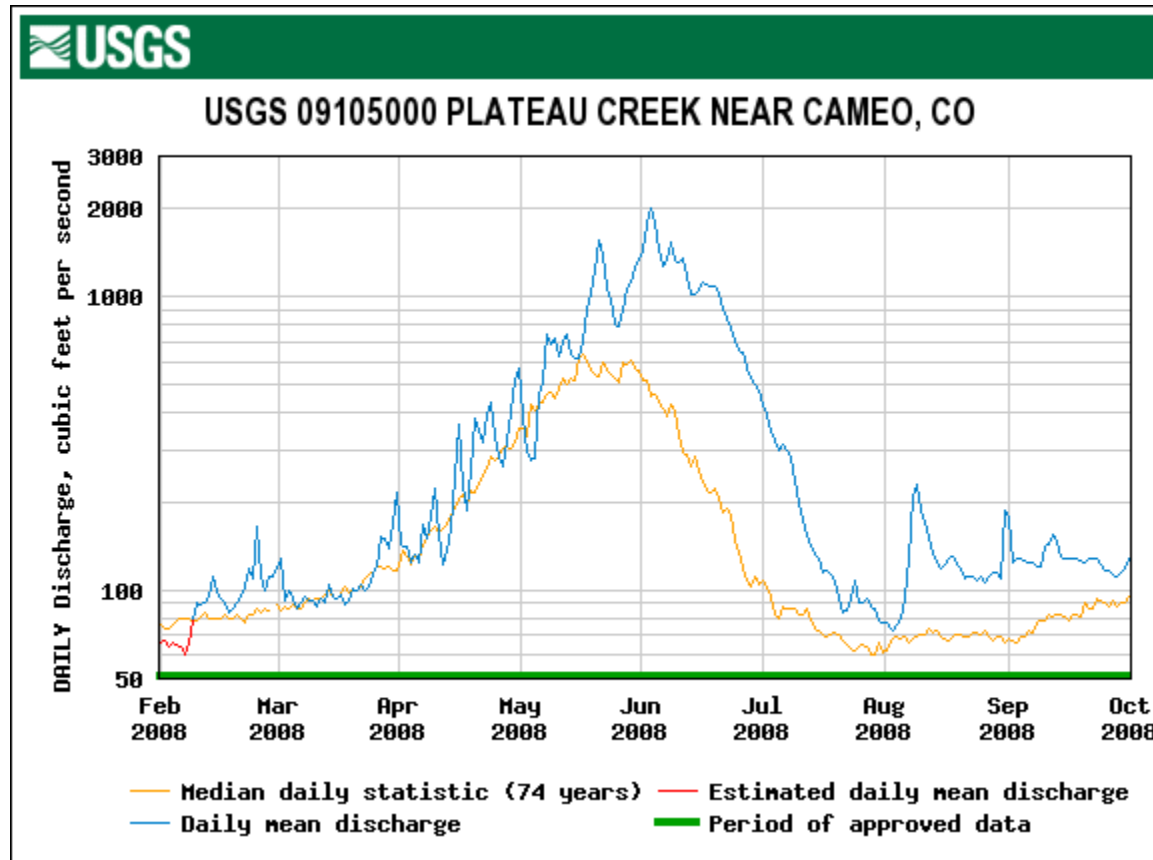
USGS 09143000 SURFACE CREEK NEAR CEDAREEDGE, CO



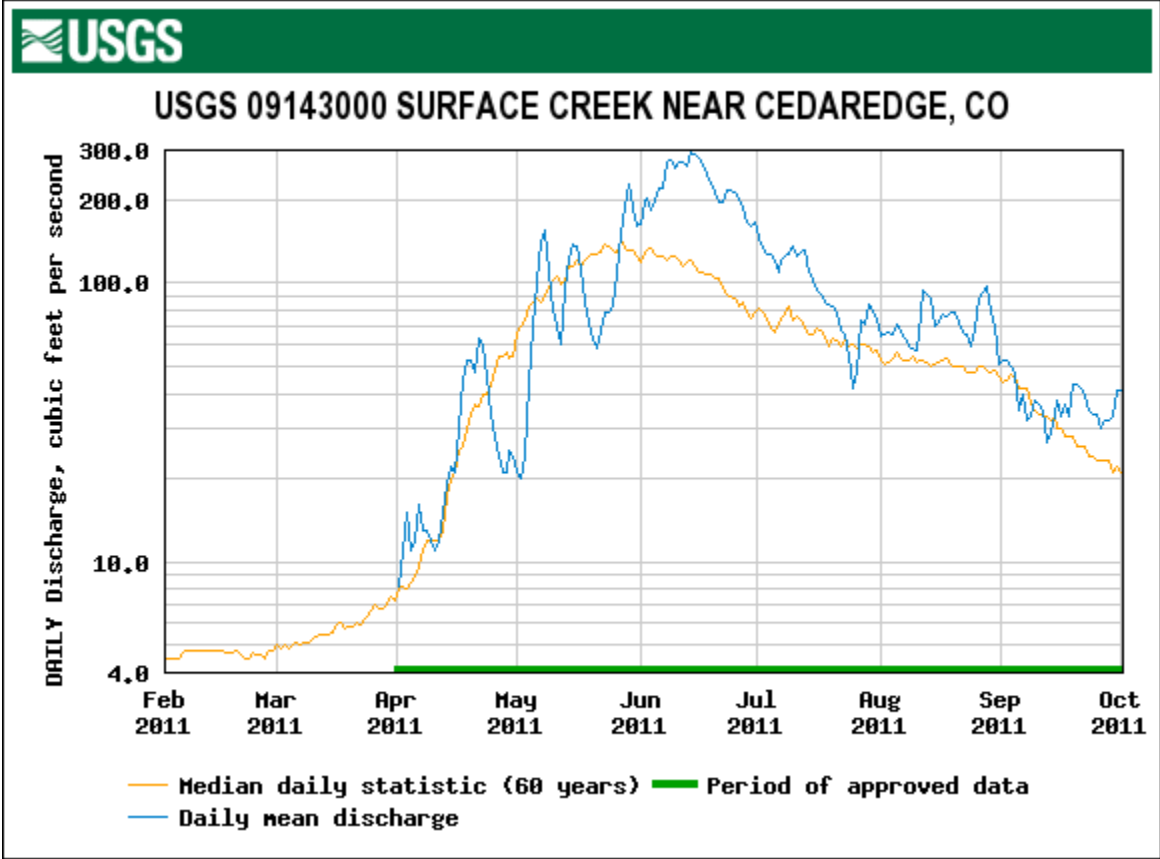
WY 2008: High March 1 SWE, Avg Spring, Avg Dust



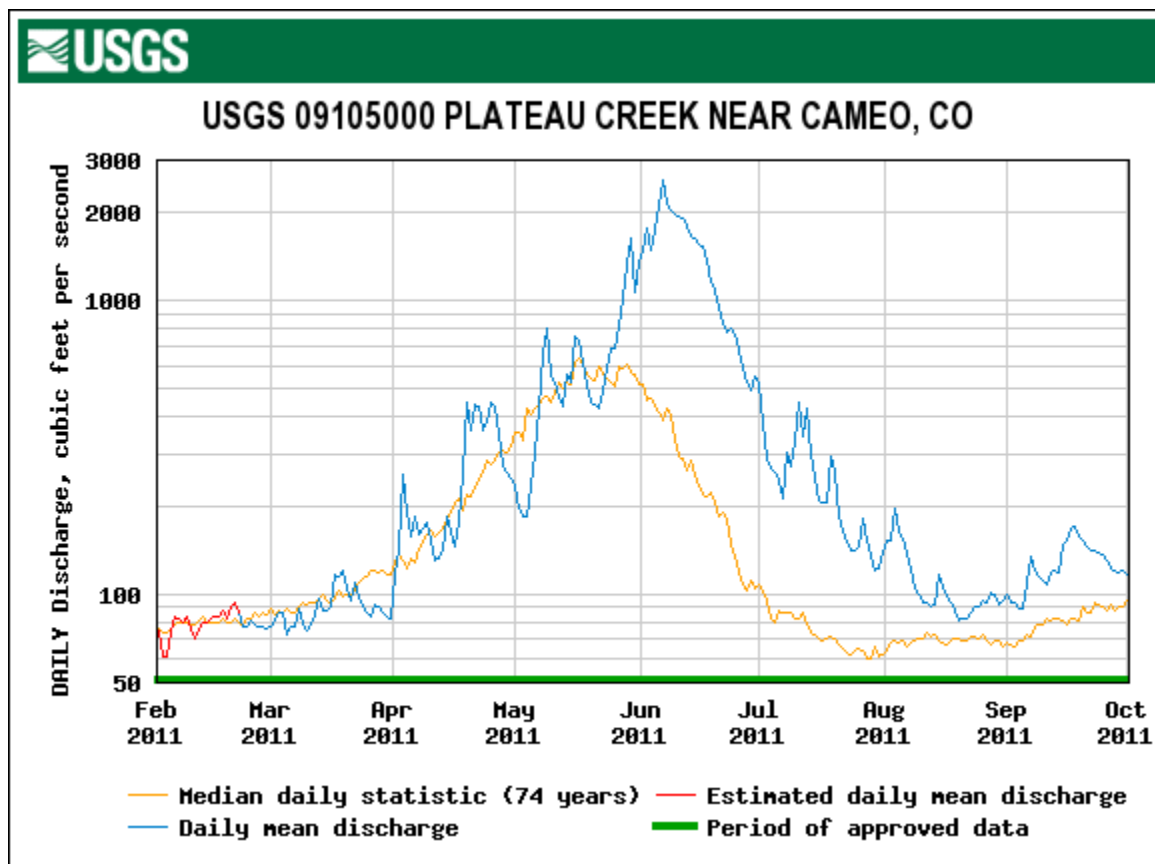
WY 2008: High March 1 SWE, Avg Spring, Avg Dust



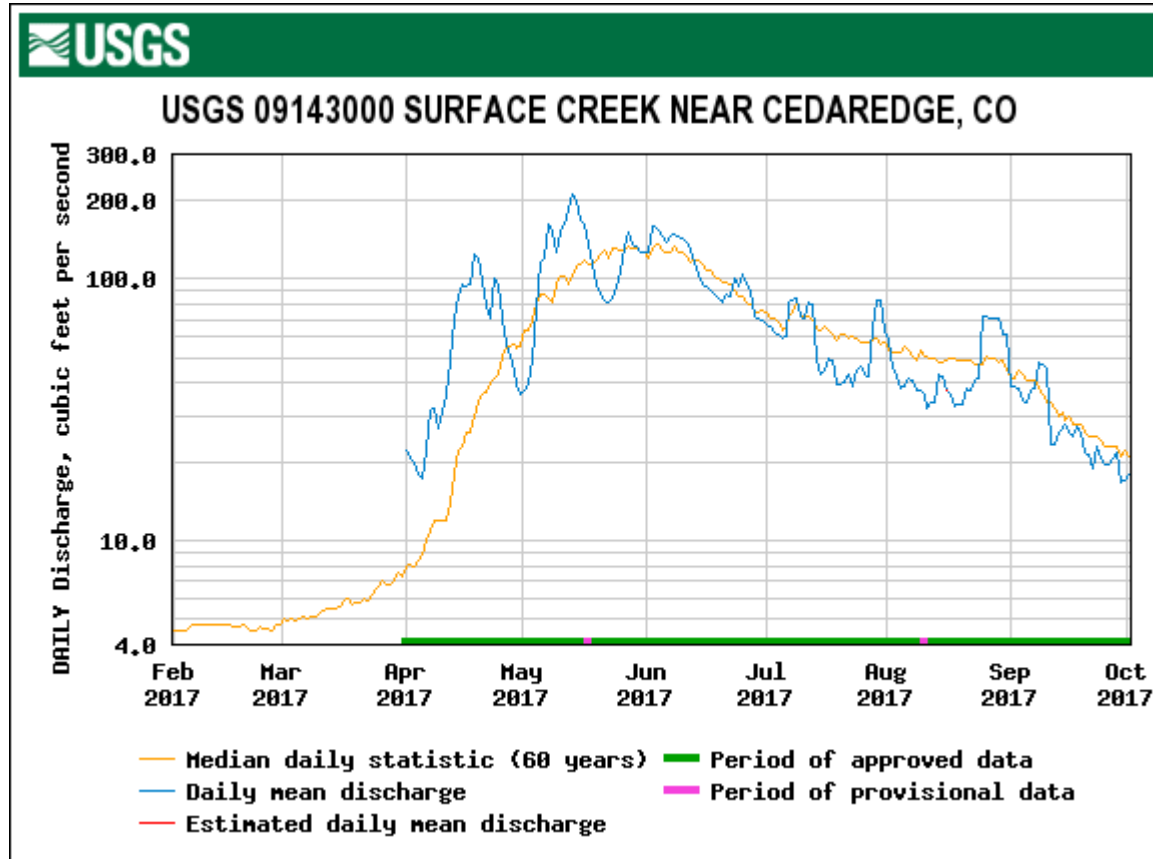
WY 2011: High March 1 SWE, Wet Spring, Avg Dust



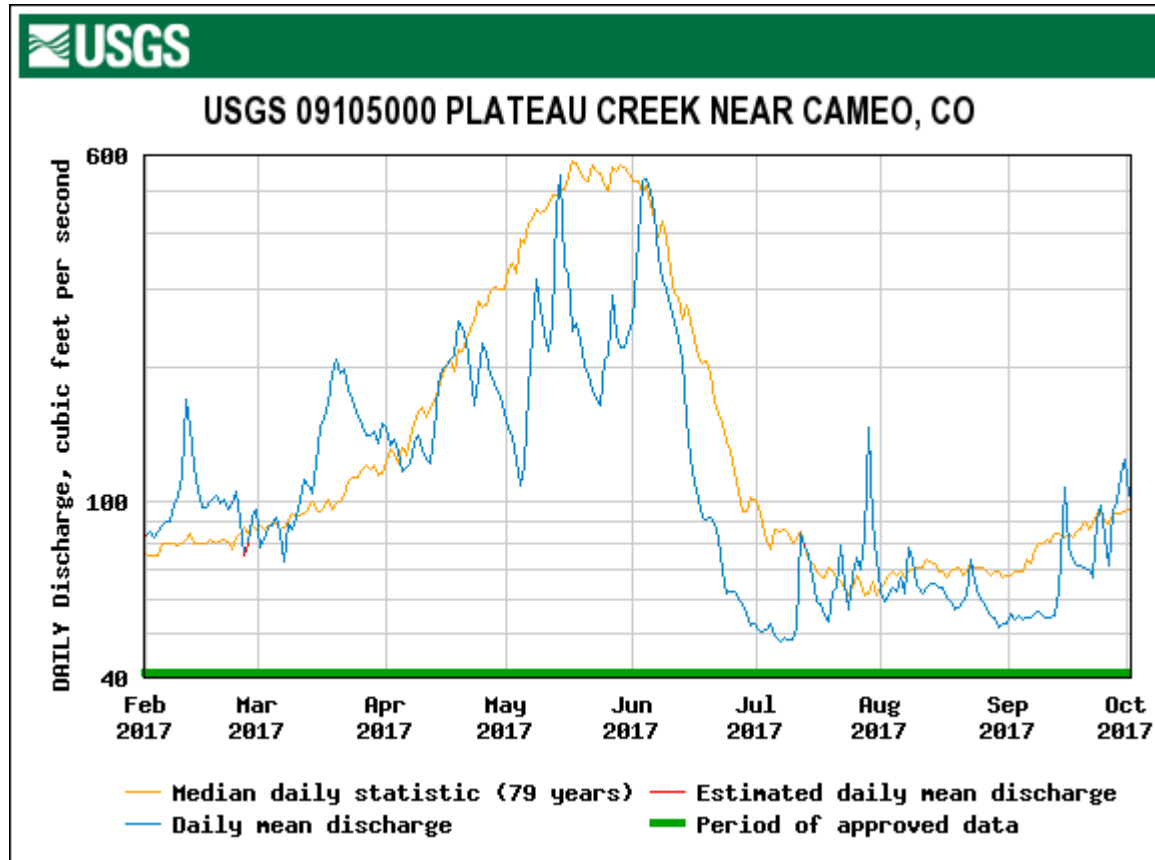
WY 2011: High March 1 SWE, Wet Spring, Avg Dust



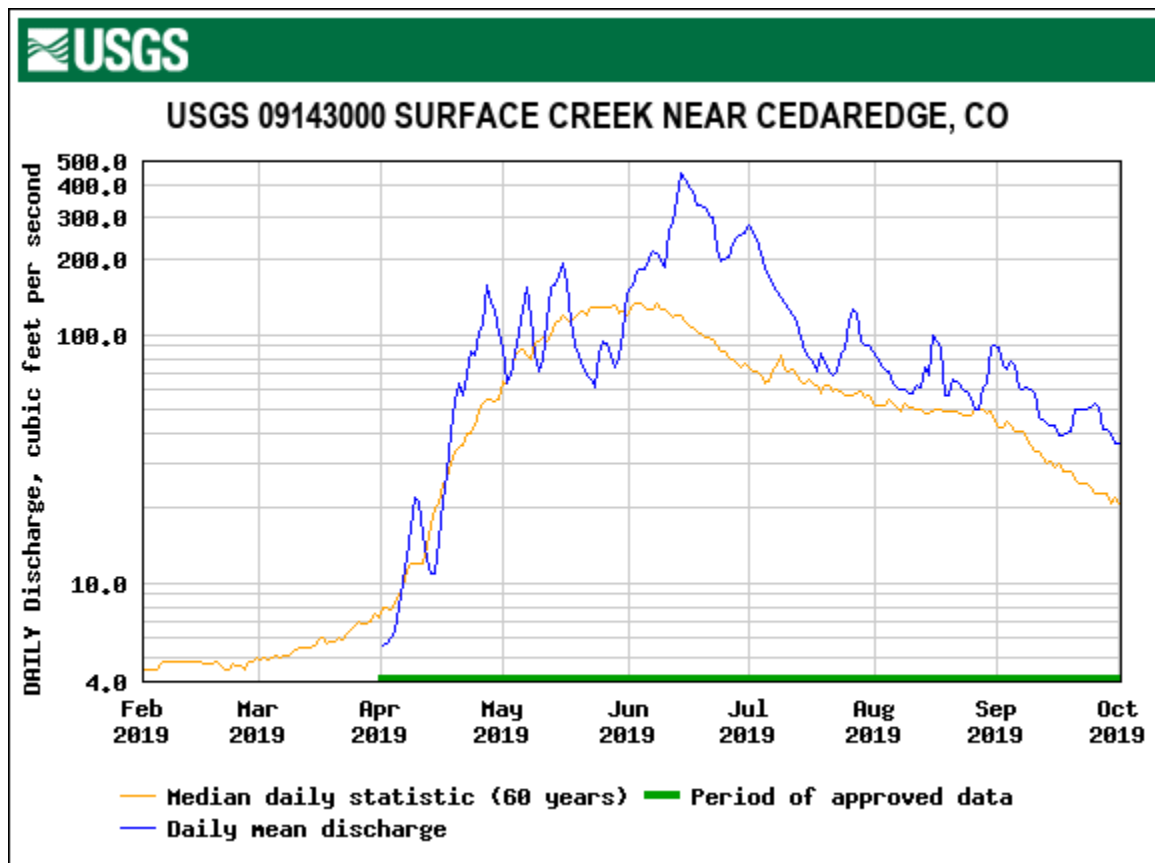
WY 2017: High March 1 SWE, Dry Spring, Avg Dust



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



WY 2019: High March 1 SWE, Wet Spring, Avg Dust



WY 2019: High March 1 SWE, Wet Spring, Avg Dust

