

Colorado Dust-on-Snow Program

# WY 2021 Dust Enhanced Runoff Classification

Blue River Watershed  
Tarryall Creek Watershed

as of: March 1, 2021 Update

for:

Hoosier Pass Snotel, Blue River near Dillon, Tarryall Creek at Upper Station



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

# Blue River Watershed

Hoosier Pass Snotel

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

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

Low SWE	Avg SWE	High SWE
2013	2010	2006
	2012	2007
	2016	2008
	2018	2009
		2011
		2014
		2015
		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	10.9	15.8	145%
2007	10.9	13.6	125%
2008	10.9	15.0	138%
2009	10.9	12.2	112%
2010	10.9	10.9	100%
2011	10.9	13.9	128%
2012	10.9	9.8	90%
2013	10.9	6.9	63%
2014	10.9	16.2	149%
2015	10.9	13.8	127%
2016	10.9	11.8	108%
2017	10.9	13	119%
2018	10.9	10.9	100%

**Tarryall Creek Watershed**

Hoosier Pass Snotel

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

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

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

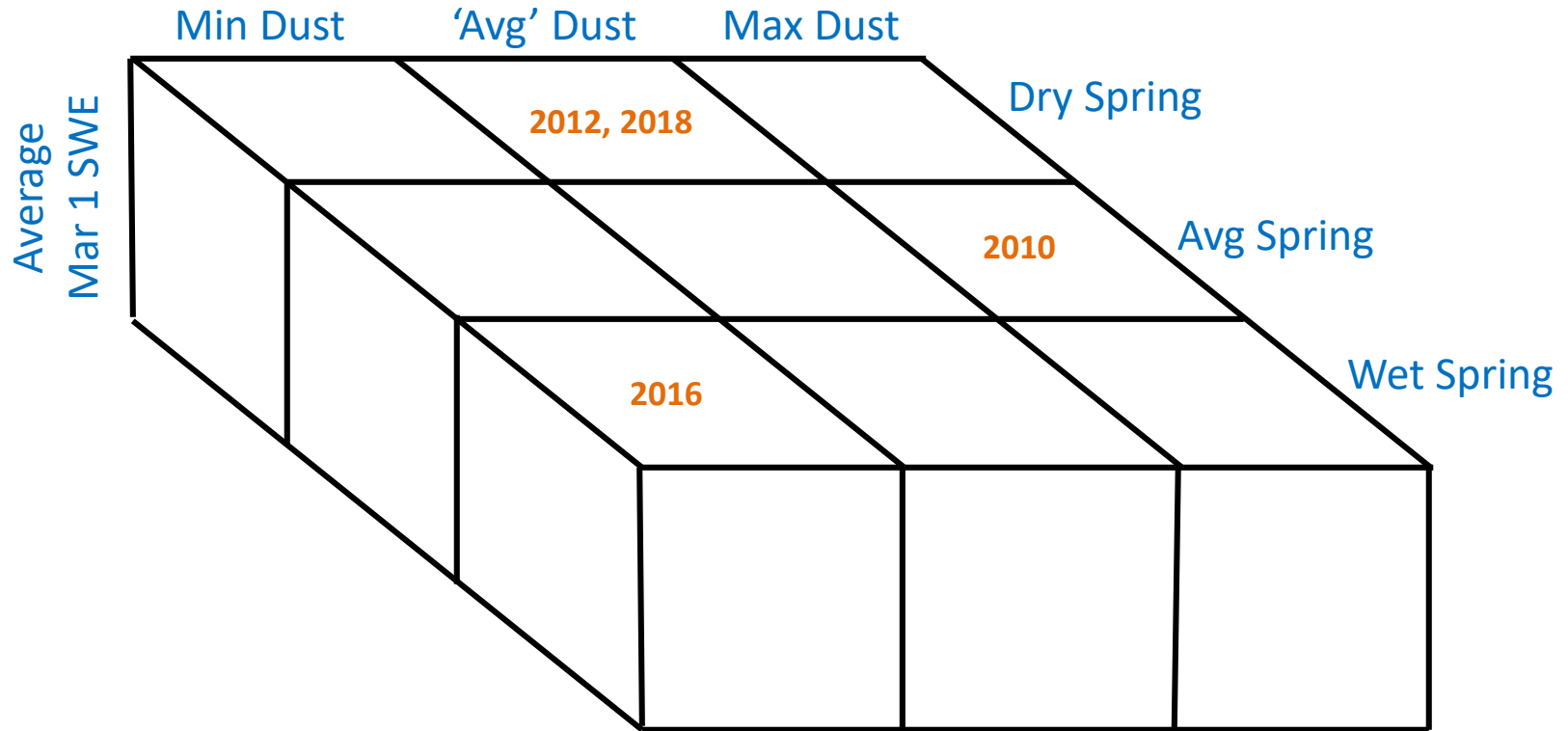
Min Dust	Avg Dust	Max Dust
	2006	
2007		
	2008	
		2009
	2010	
	2011	
	2012	
	2014	2013
2015		
2016		
2017		
	2018	

Mar 1 SWE

1981-2010

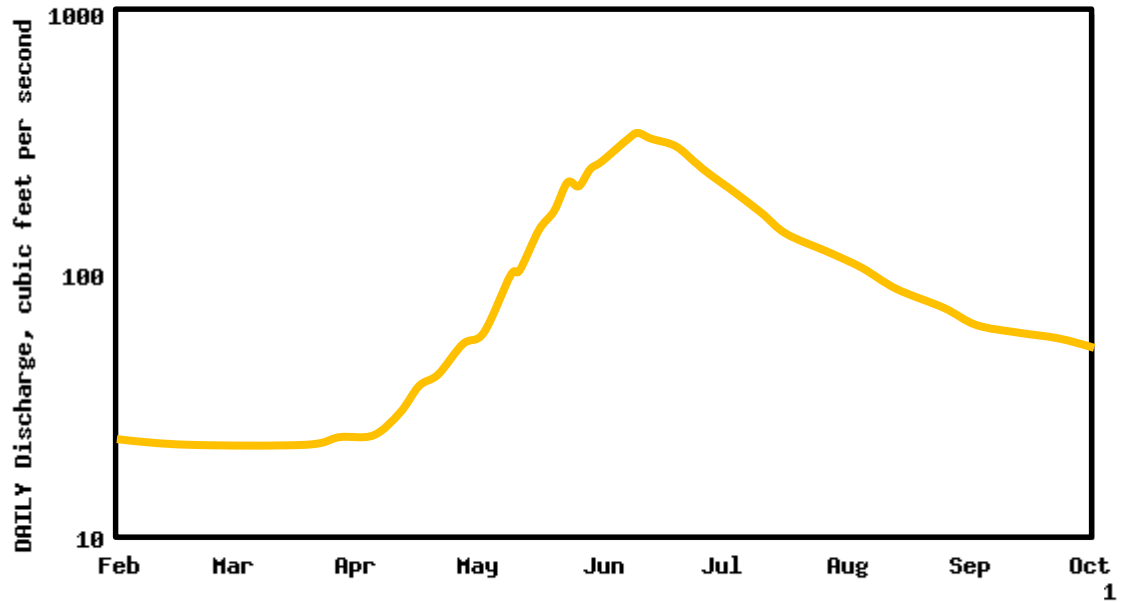
	Median	Actual	%
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2015	10.9	13.8	127%
2016	10.9	11.8	108%
2017	10.9	13	119%
2018	10.9	10.9	100%

Blue River & Tarryall Creek Watersheds – Hoosier Pass Snotel  
WY 2021 = Average March 1 SWE



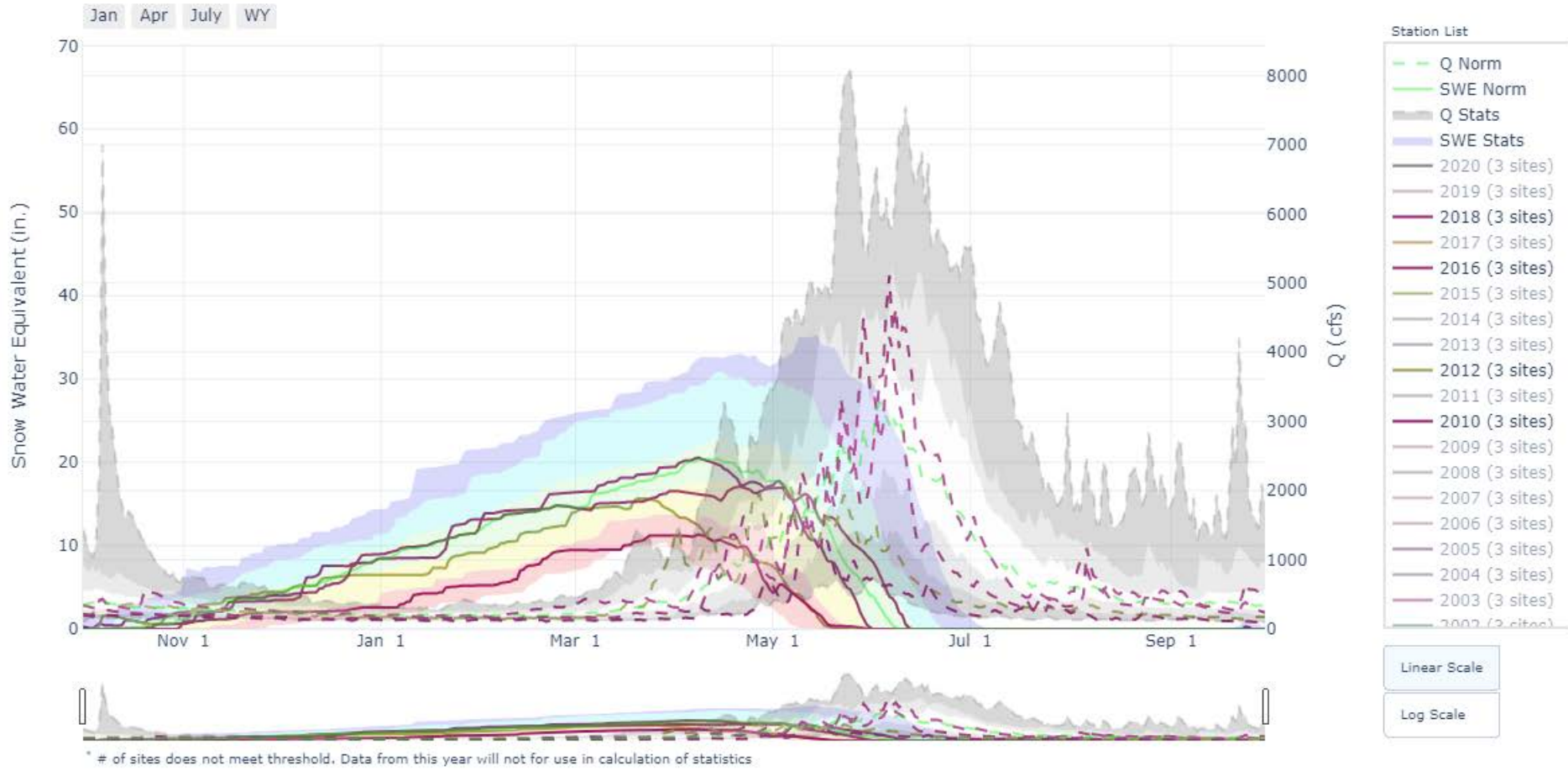


### USGS 09046600 BLUE RIVER NEAR DILLON, CO



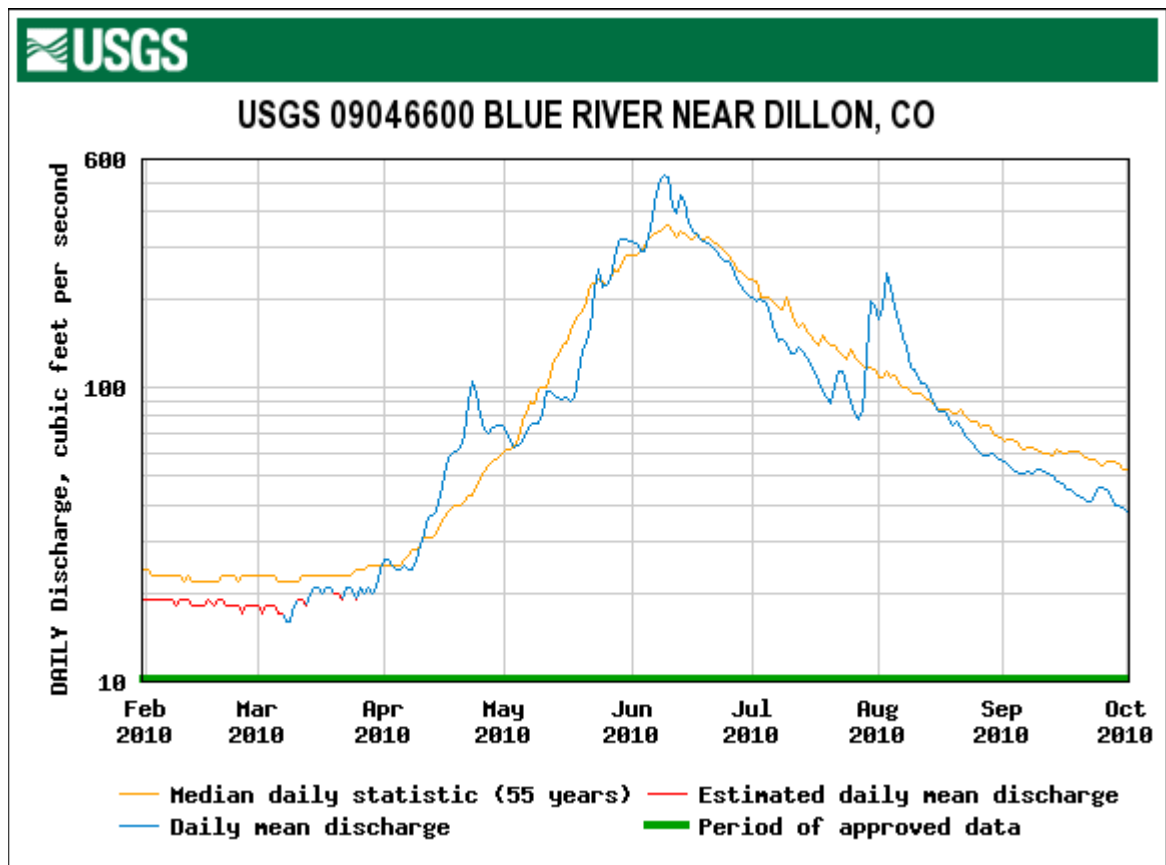
— Median daily statistic (55 years) — Estimated daily mean discharge  
— Daily mean discharge — Period of approved data

# SWE-Q Relationship for Animas R at Durango

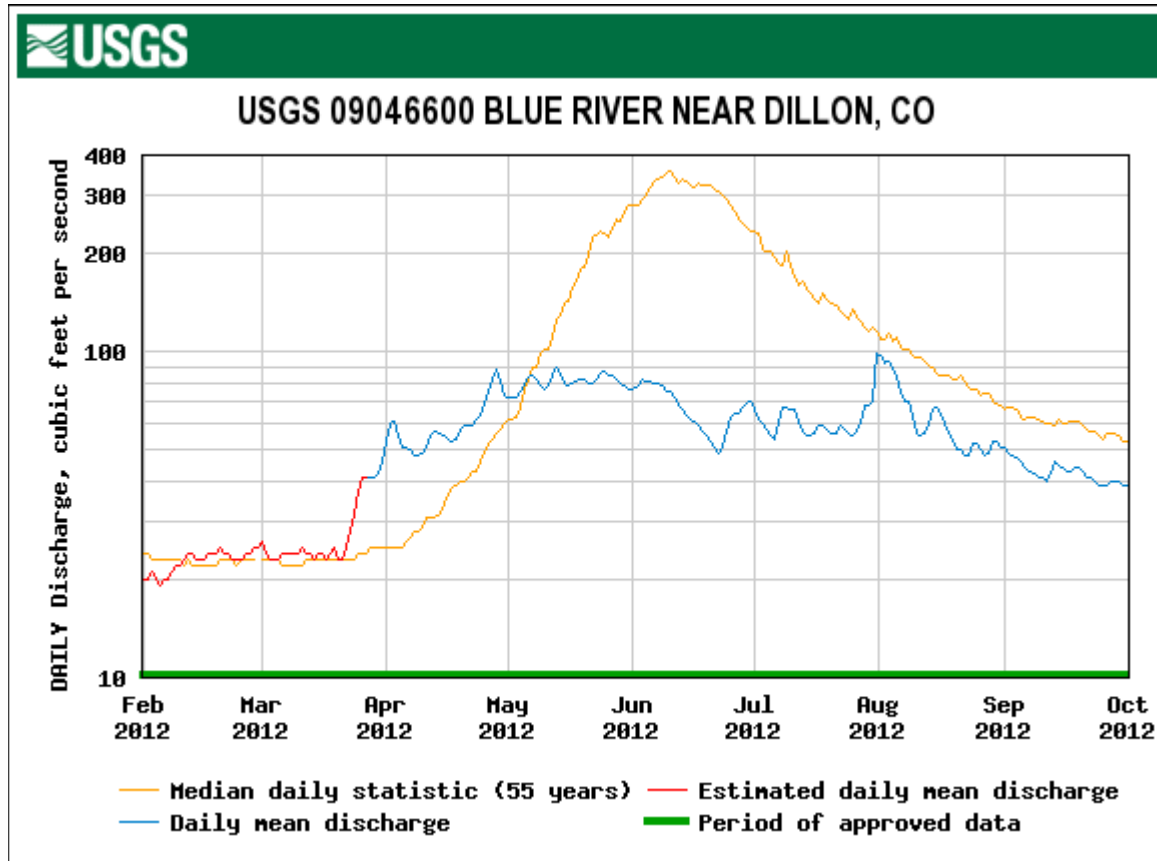




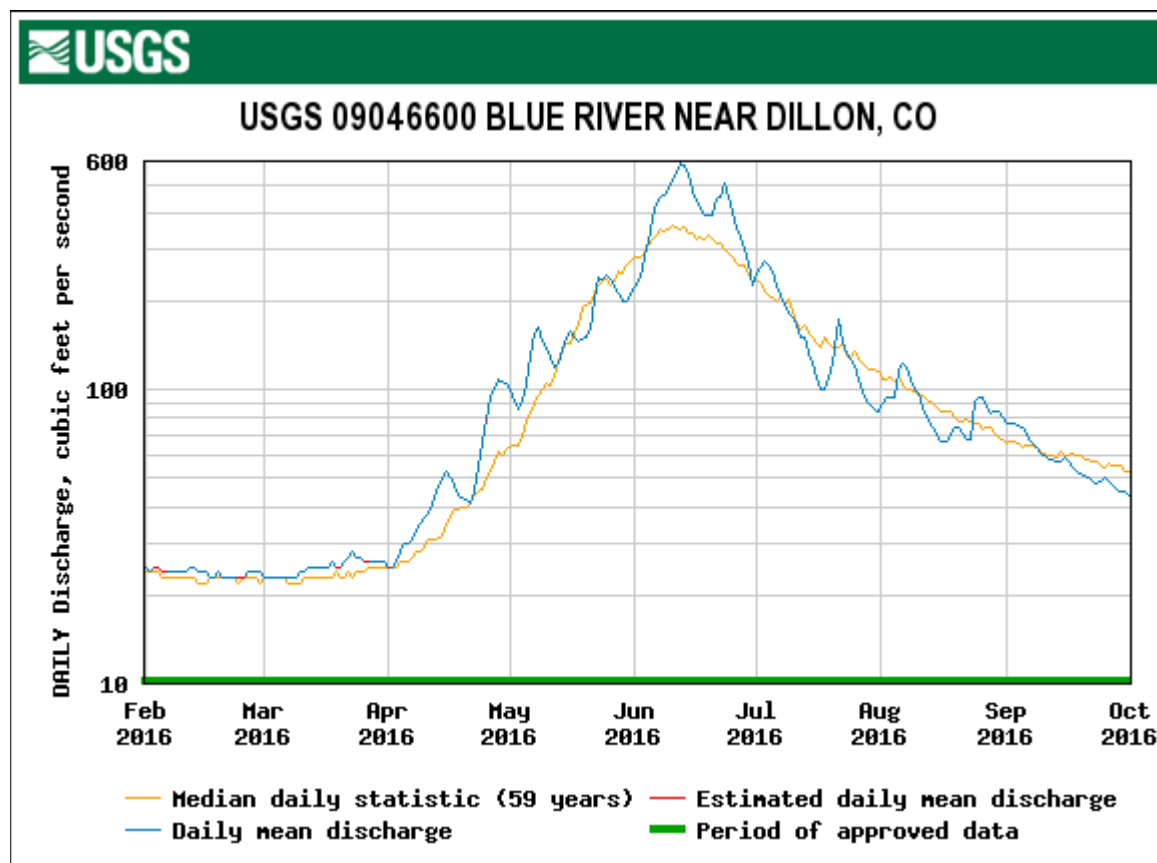
# WY 2010: Avg March 1 SWE, Avg Spring, Max- Dust



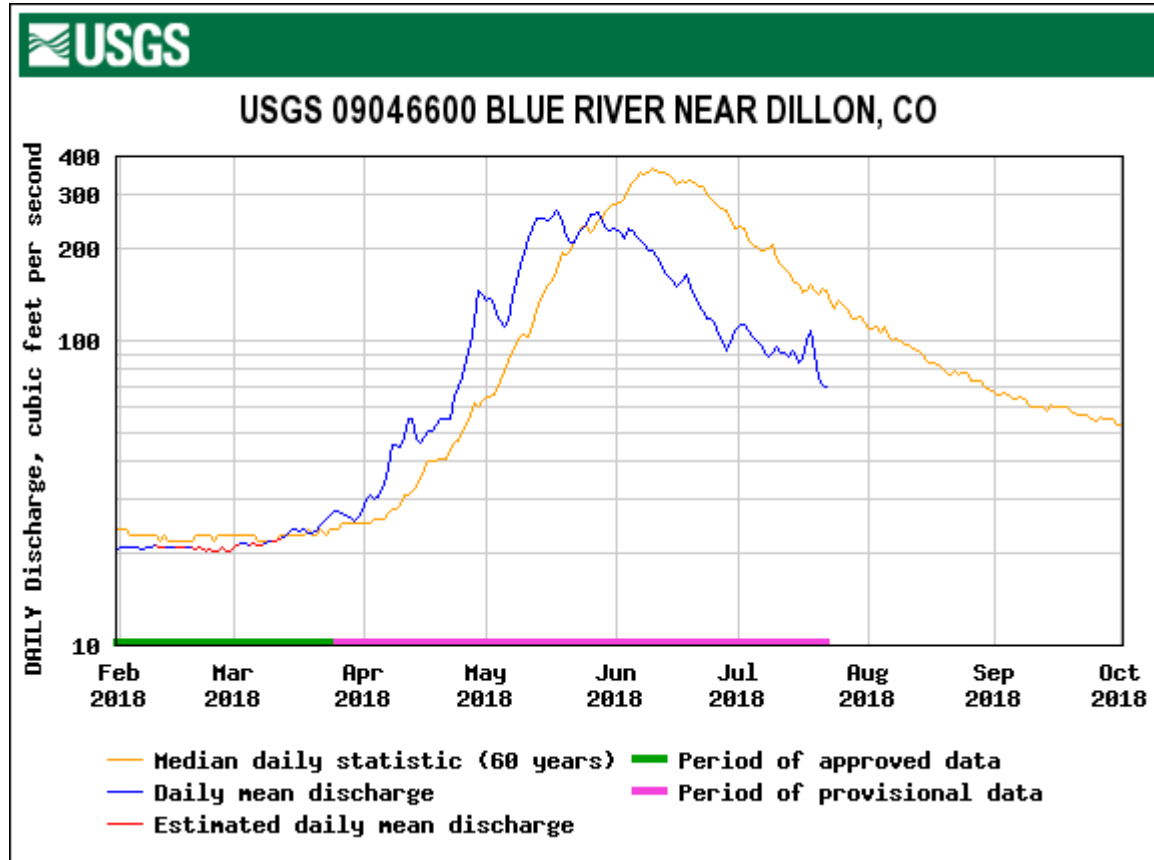
# WY 2012: Avg March 1 SWE, Dry Spring, Avg Dust



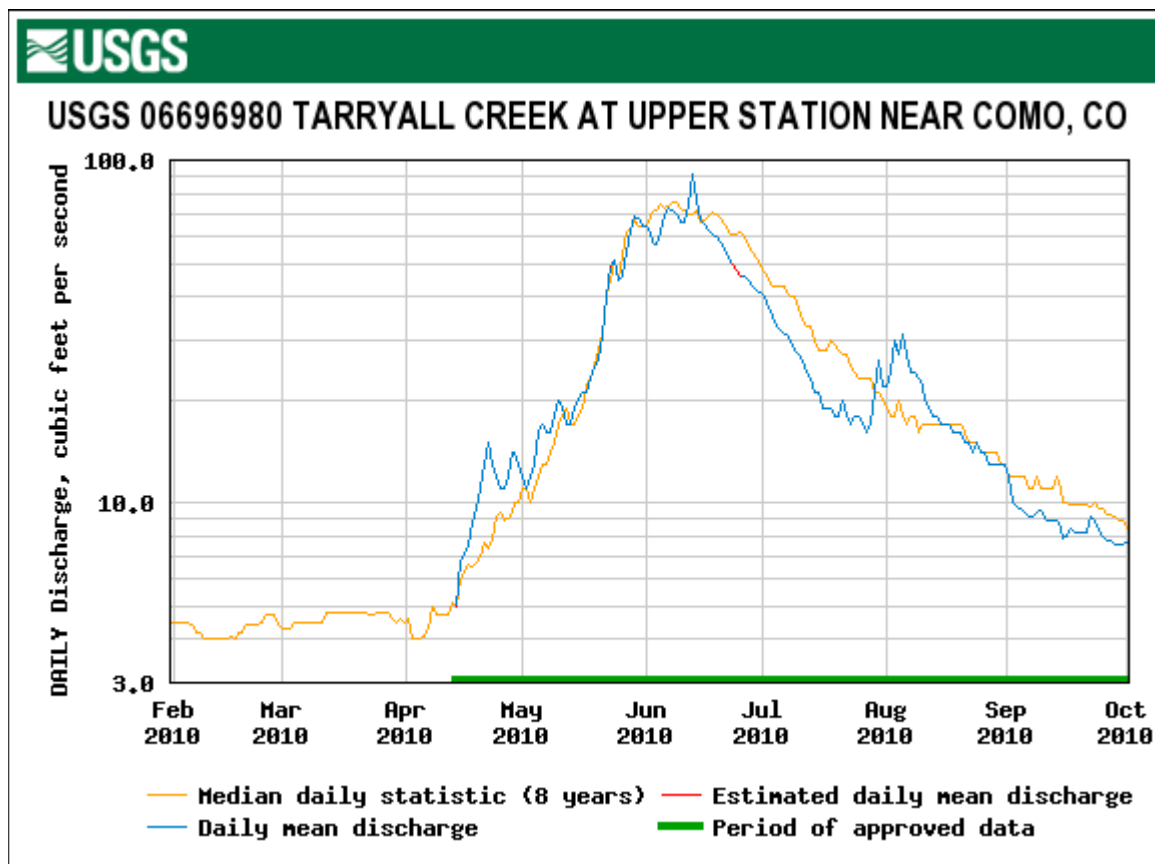
## WY 2016: Avg March 1 SWE, Wet Spring, Min Dust



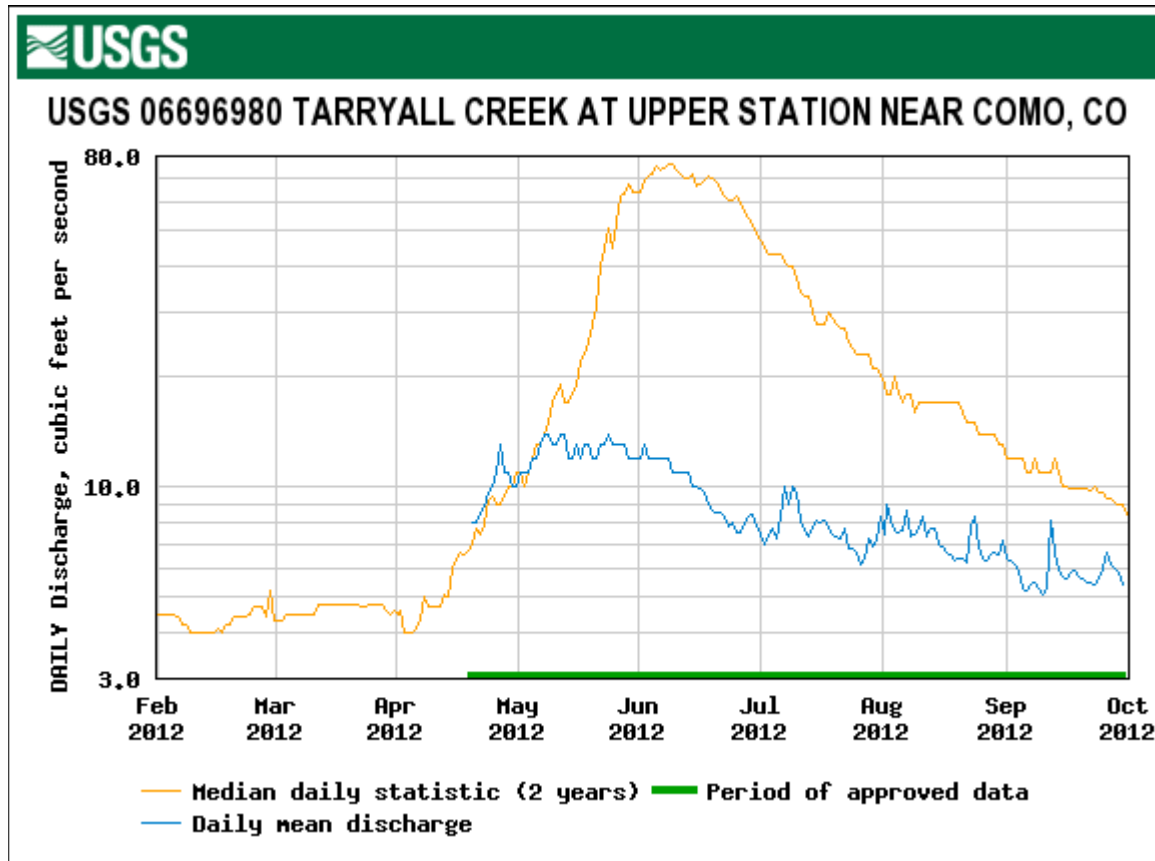
# WY 2018: Average March 1 SWE, Dry Spring, Average Dust



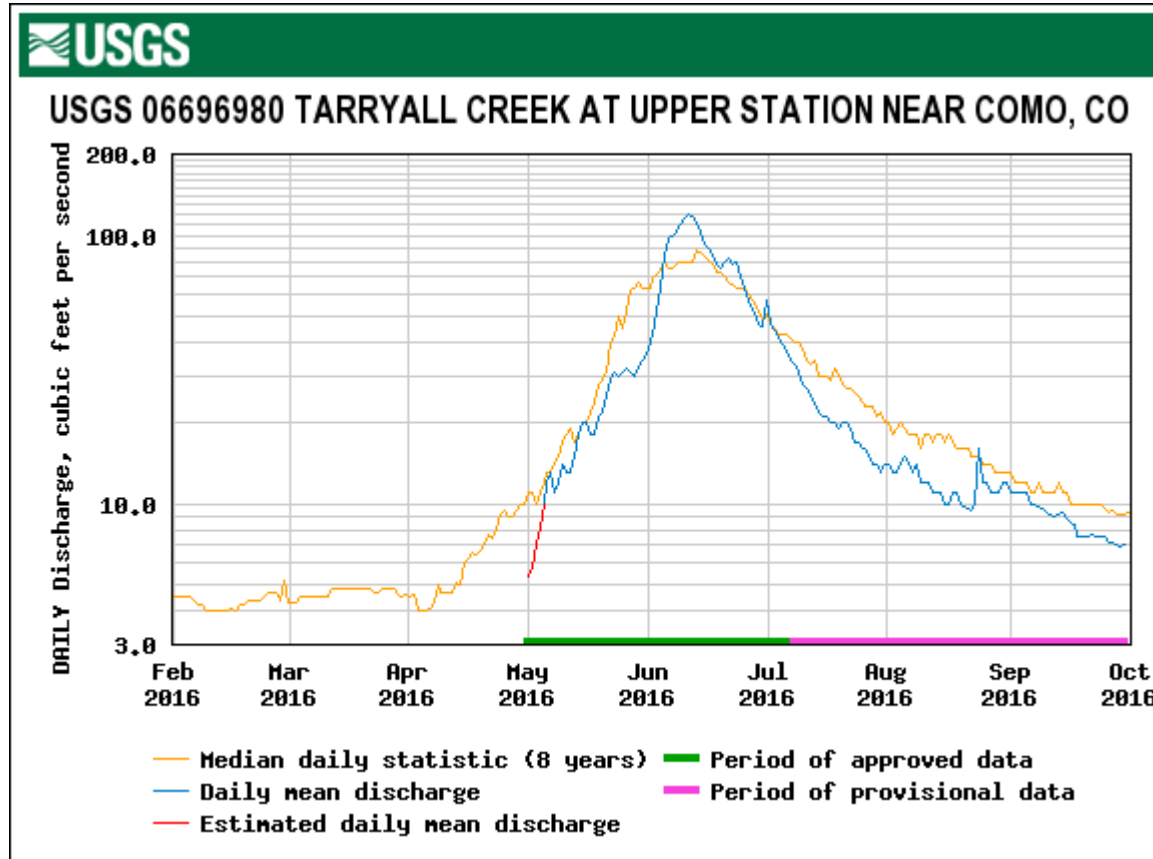
## WY 2010: Avg March 1 SWE, Avg Spring, Max- Dust



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



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



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

