

Colorado Dust-on-Snow Program

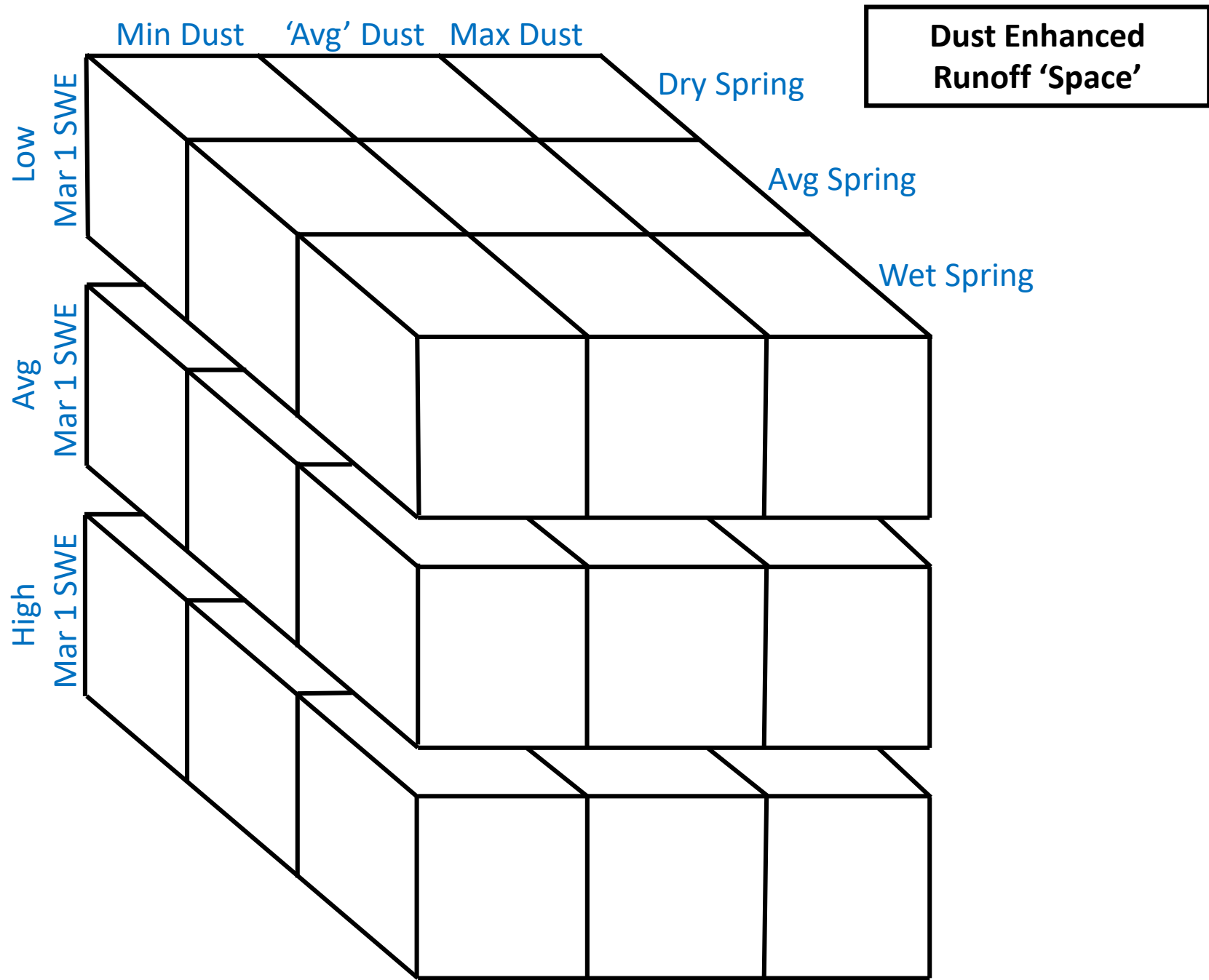
# WY 2021 Dust Enhanced Runoff Classification

## East River – Gunnison River Watershed

as of: March 1, 2021 Update

for:

Schofield Pass Snotel, East River at Almont



<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>

**Gunnison Watershed - East River**

Schofield Pass Snotel

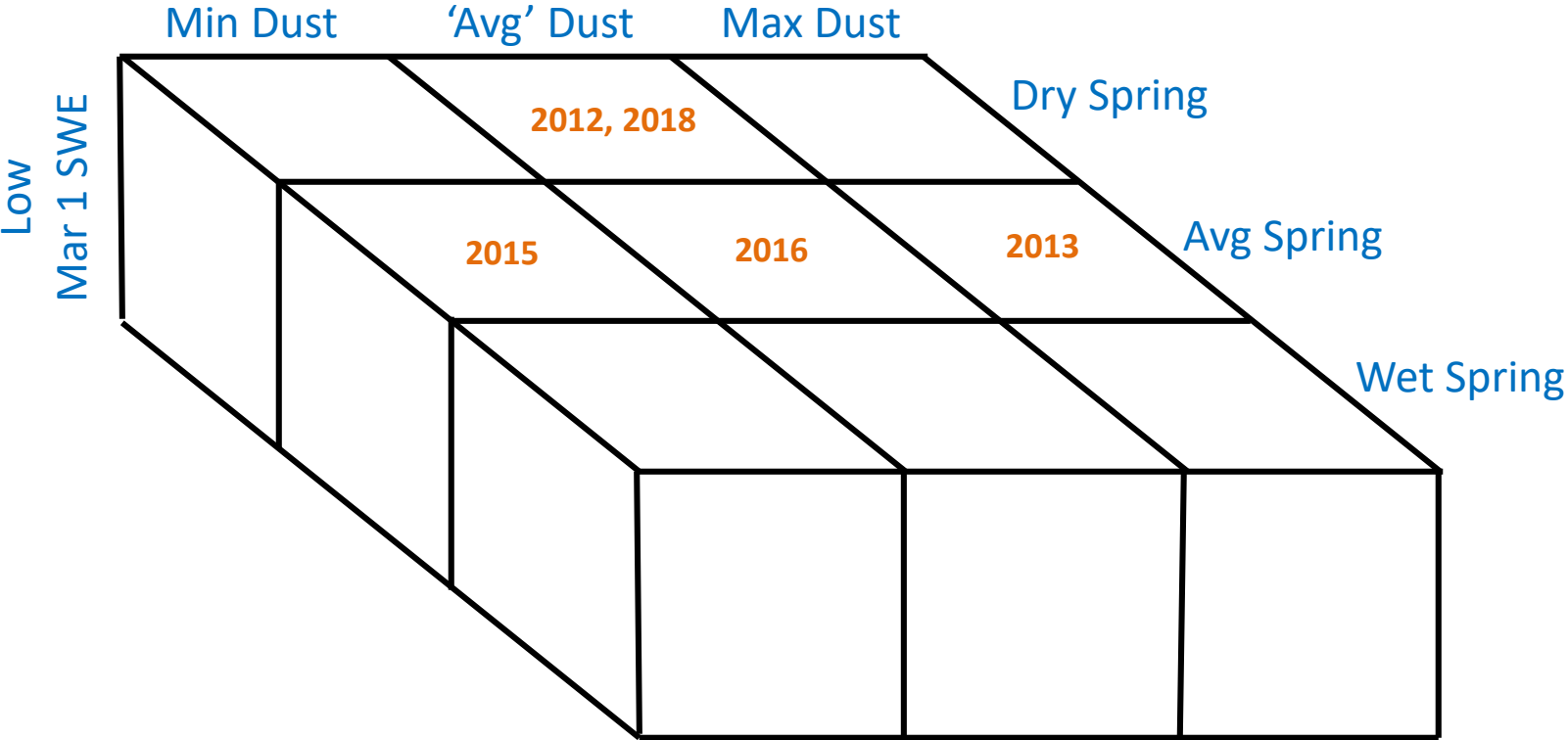
		Dry Spring	Avg Spring	Wet Spring
LOW March 1 SWE	Min Dust		2015	
	Avg Dust	2012, 2018	2016	
	Max Dust		2013	
AVG March 1 SWE	Min Dust	2007, 2020		
	Avg Dust			
	Max Dust		2006	
HIGH March 1 SWE	Min Dust			
	Avg Dust	2017	2014	2008, 2011, 2019
	Max Dust		2009, 2010	

Dry Spring	Avg Spring	Wet Spring
2007	2006	2008
2012	2009	2011
2017	2010	
2018	2013	
	2014	
	2015	
	2016	
Low Swe	Avg Swe	High SWE
2012	2006	2008
2013	2007	2009
2015		2010
2016		2011
2018		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	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%
2018	25.2	20.4	81%

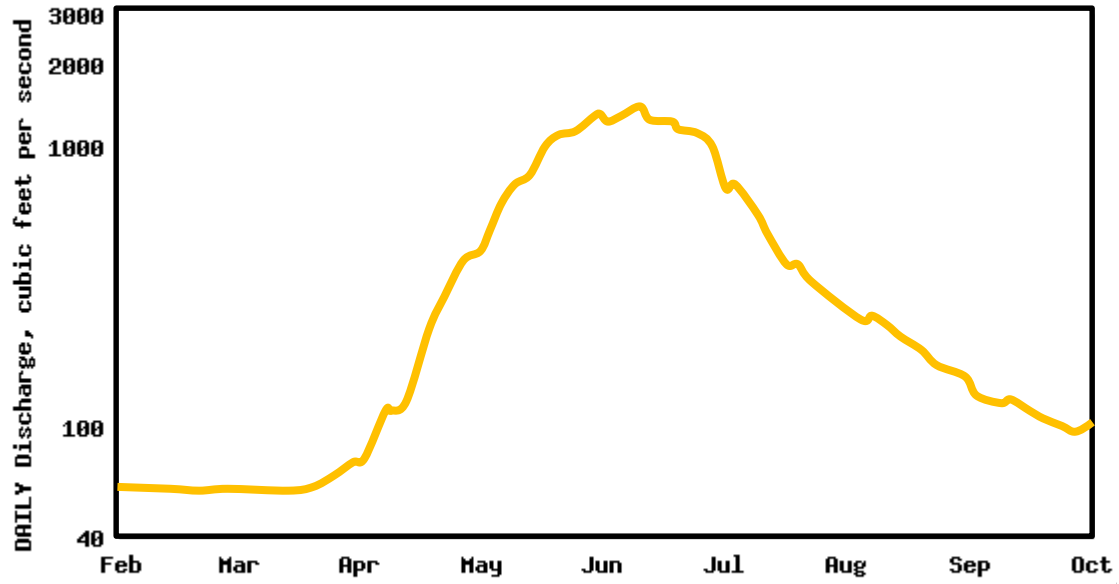
East River - Gunnison River Watershed – Schofield Pass Snotel

WY 2021 = Low March 1 SWE





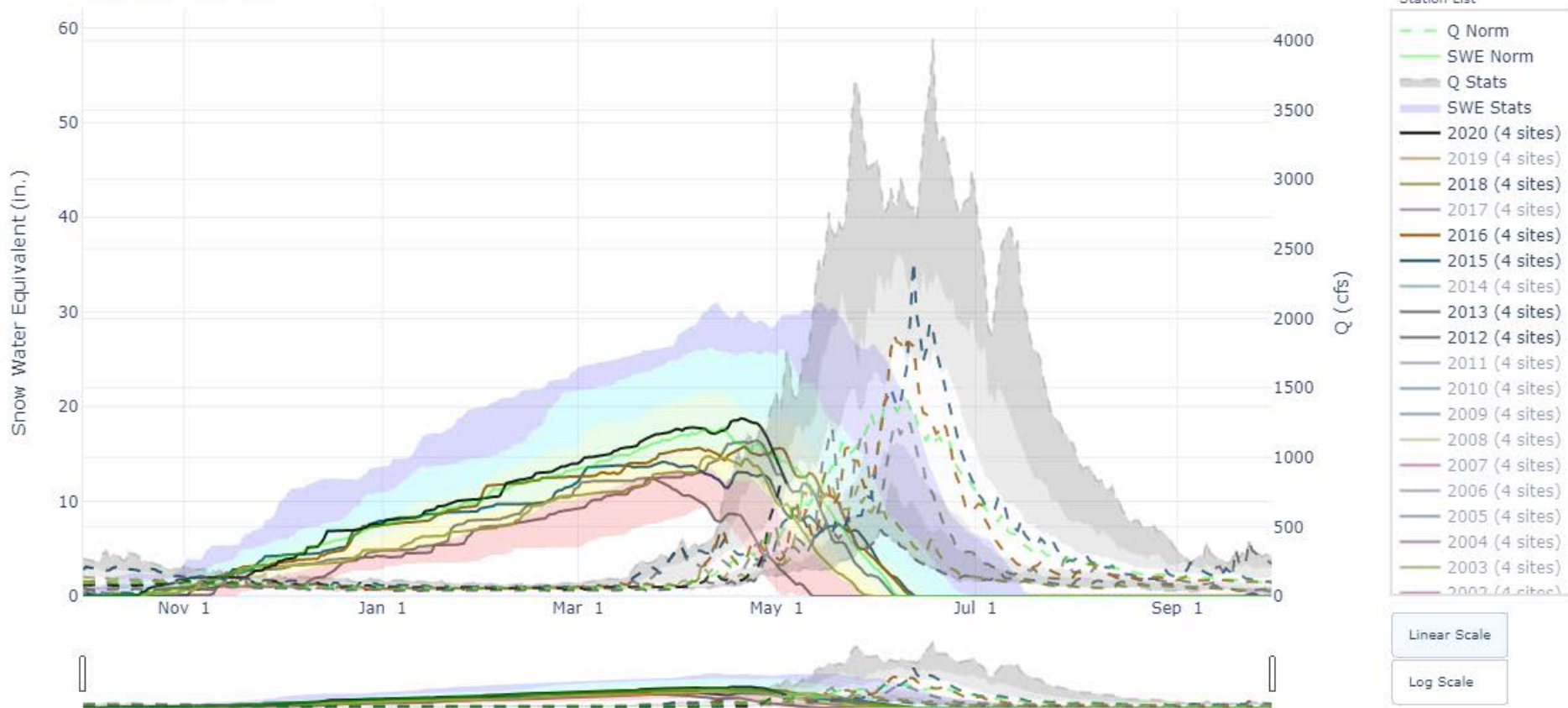
### USGS 09112500 EAST RIVER AT ALMONT, CO



— Median daily statistic (91 years) — Estimated daily mean discharge  
— Daily mean discharge — Period of approved data

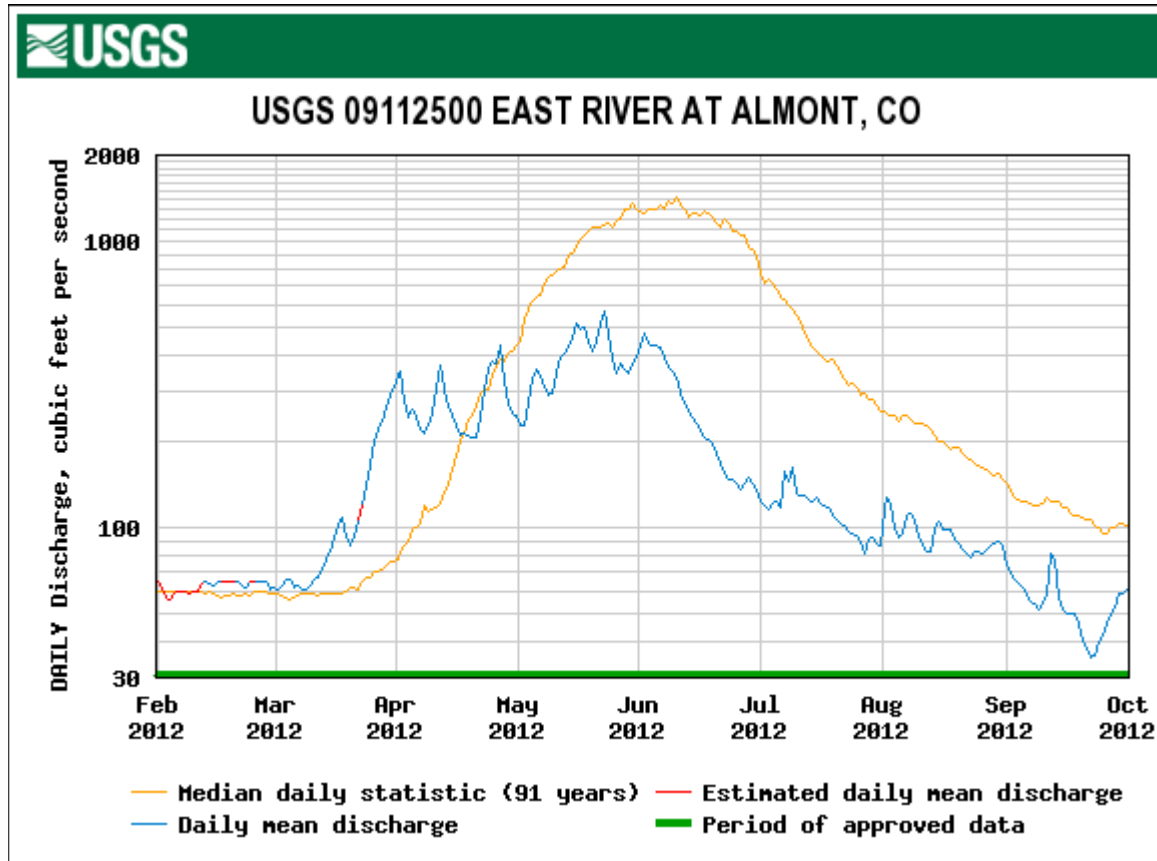
# SWE-Q Relationship for East R at Almont

Jan Apr July WY



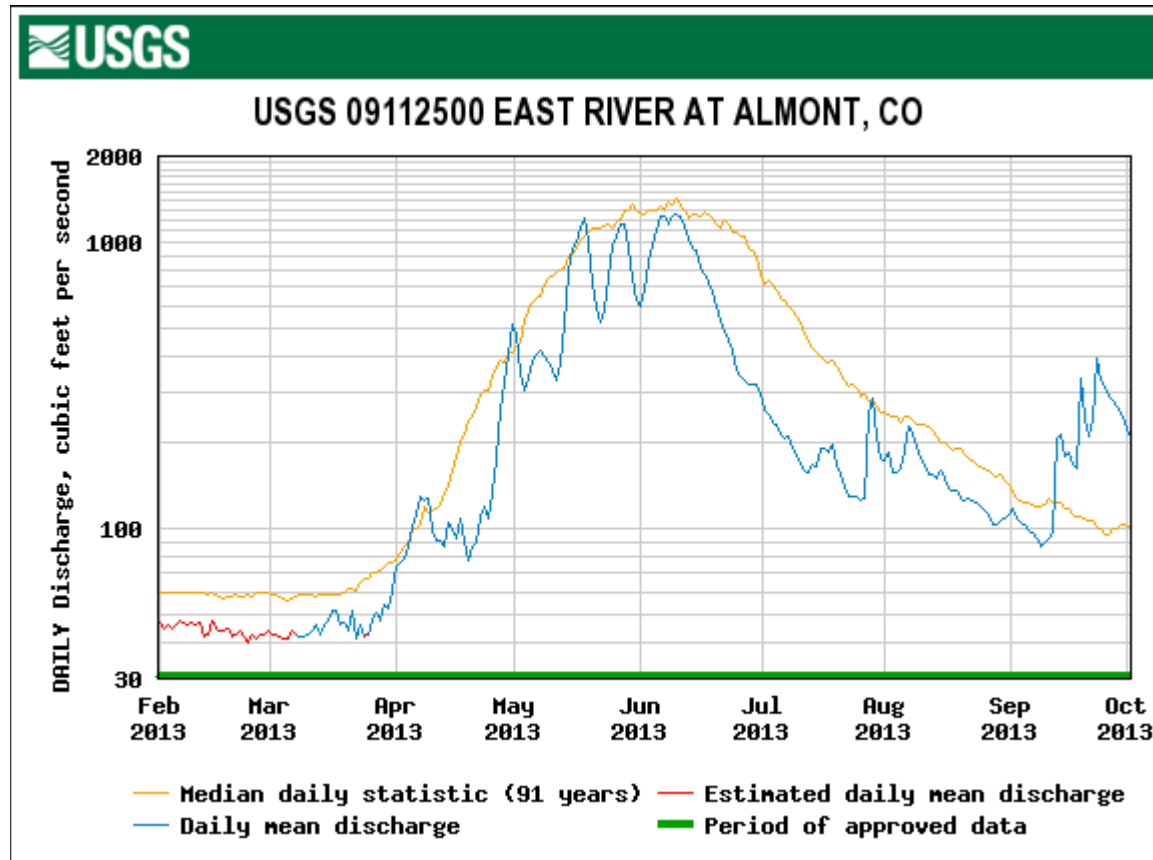
\* # of sites does not meet threshold. Data from this year will not be used in calculation of statistics

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

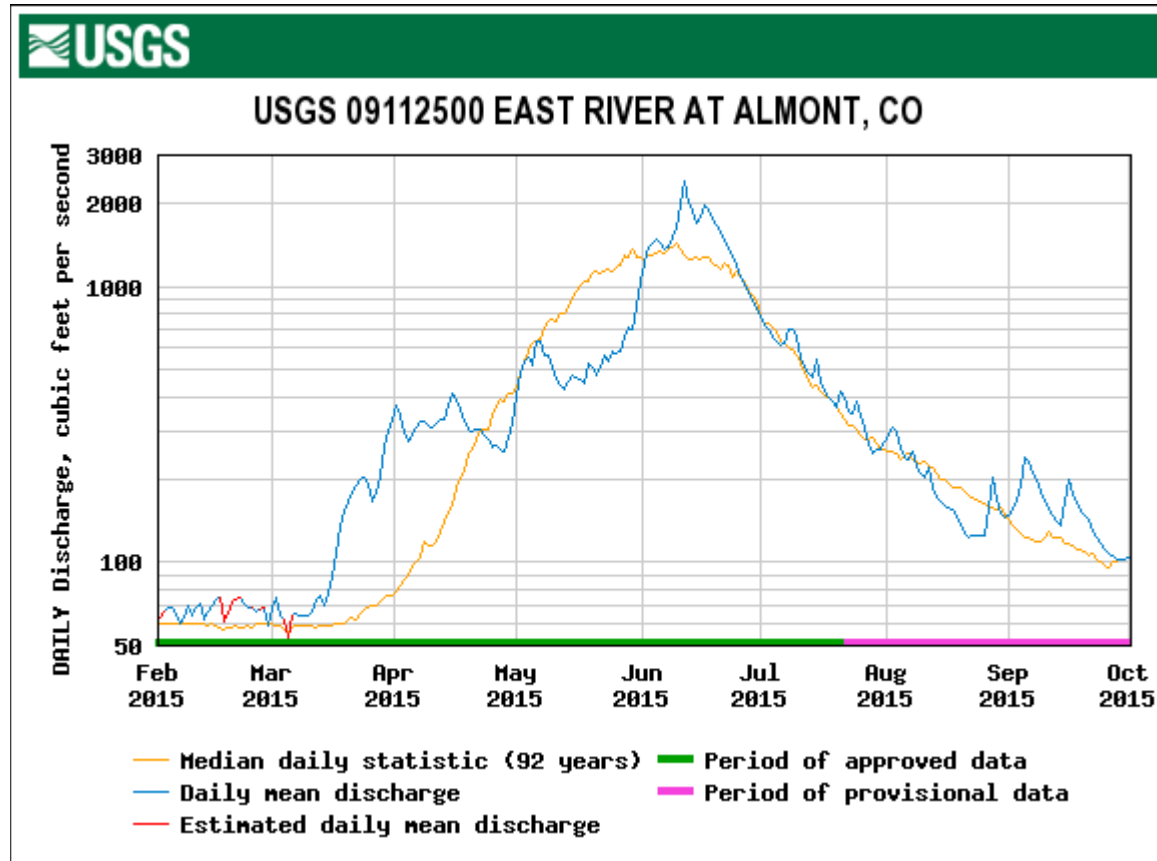




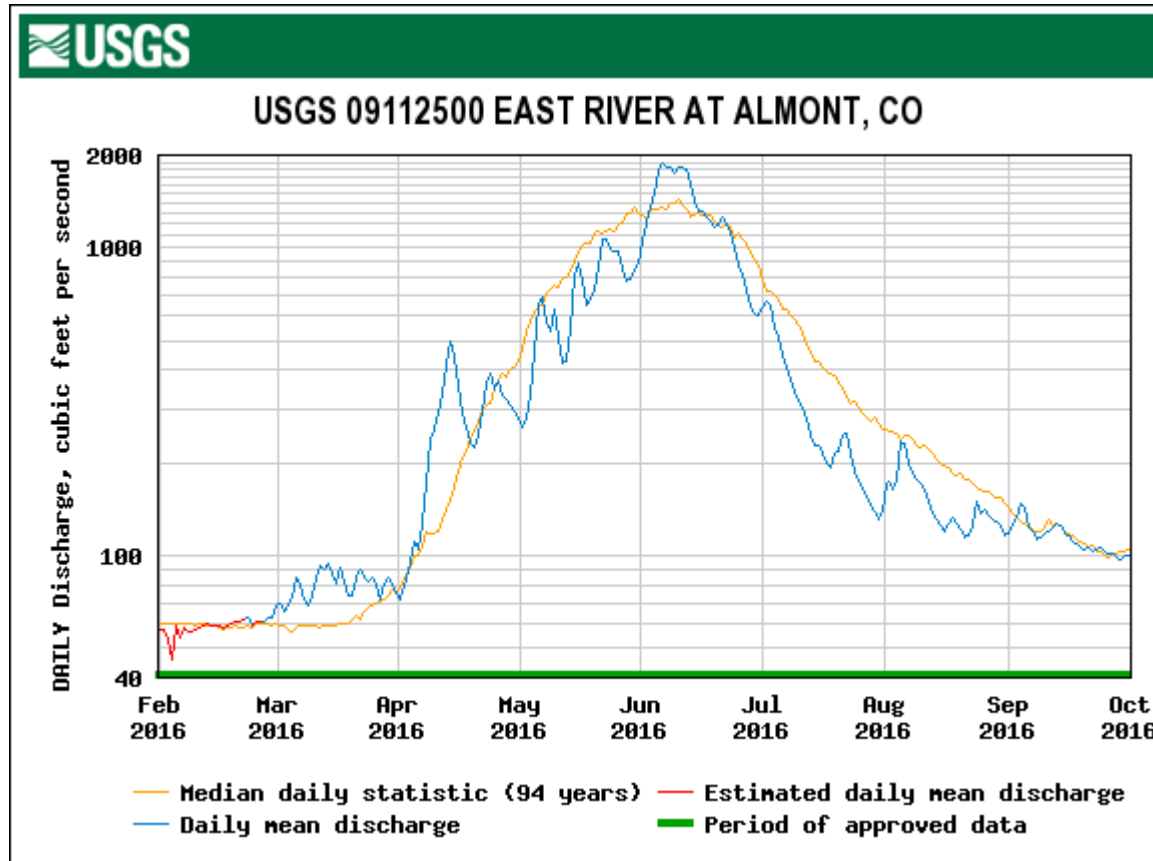
# WY 2013: Low March 1 SWE, Avg Spring, Max Dust



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



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



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

