

Colorado Dust-on-Snow Program

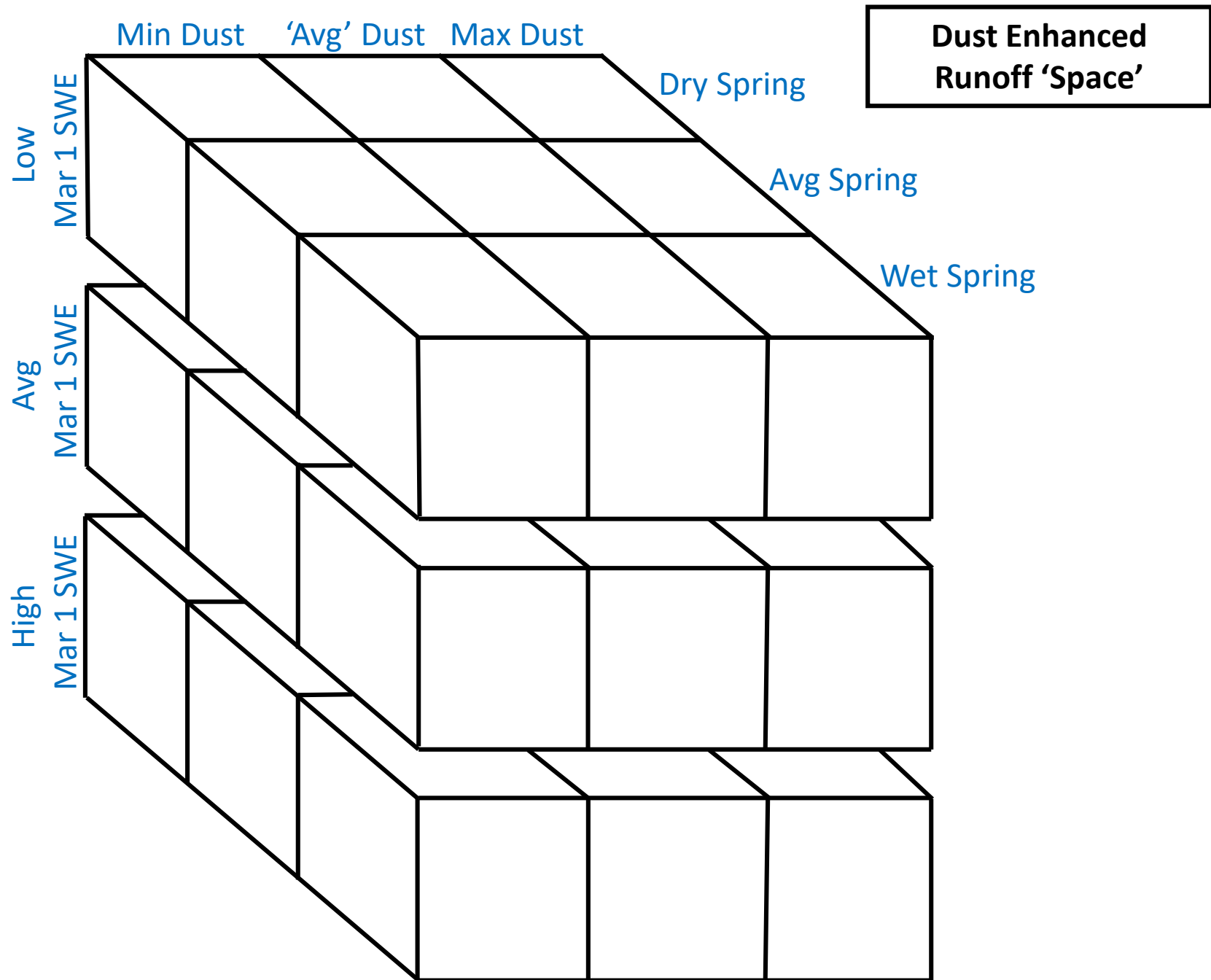
WY 2021 Dust Enhanced Runoff Classification

Lake Fork Gunnison River Watershed

as of: March 1, 2021 Update

for:

Slumgullion Snotel, Lake Fork at Gateway



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>

Gunnison Watershed - Lake Fork

Slumgullion Snotel

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

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

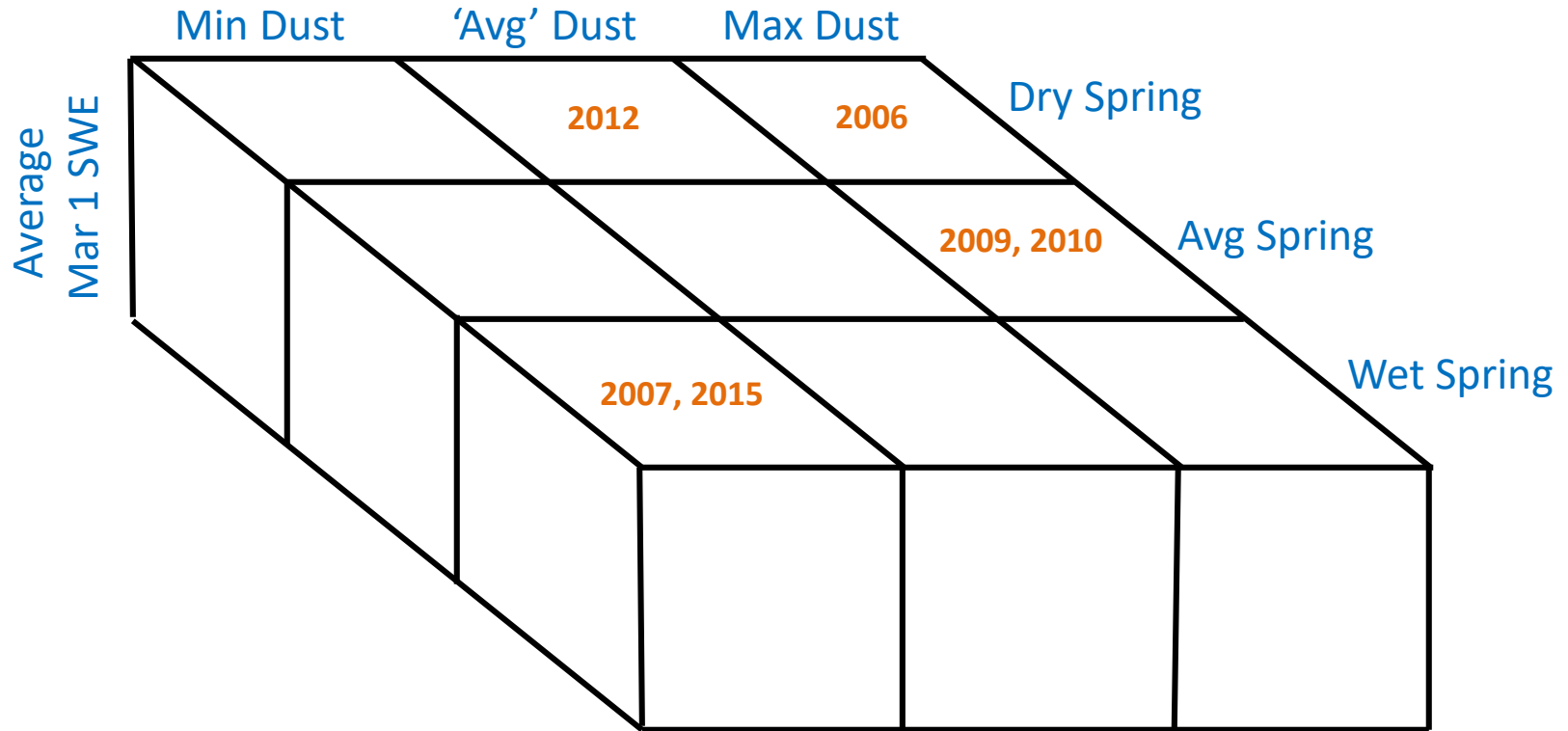
Low Swe	Avg Swe	High SWE
2013	2006	2008
2018	2007	2011
	2009	2014
	2010	2016
	2012	2017
	2015	

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

	1981-2010 Median	Actual	%
2006	10.4	10.0	96%
2007	10.4	11.1	107%
2008	10.4	15.4	148%
2009	10.4	10.0	96%
2010	10.4	10.5	101%
2011	10.4	12.1	116%
2012	10.4	10.5	101%
2013	10.4	7.3	70%
2014	10.4	12.4	119%
2015	10.4	10.6	102%
2016	10.4	12.2	117%
2017	10.4	12.2	117%
2018	10.4	7.2	69%

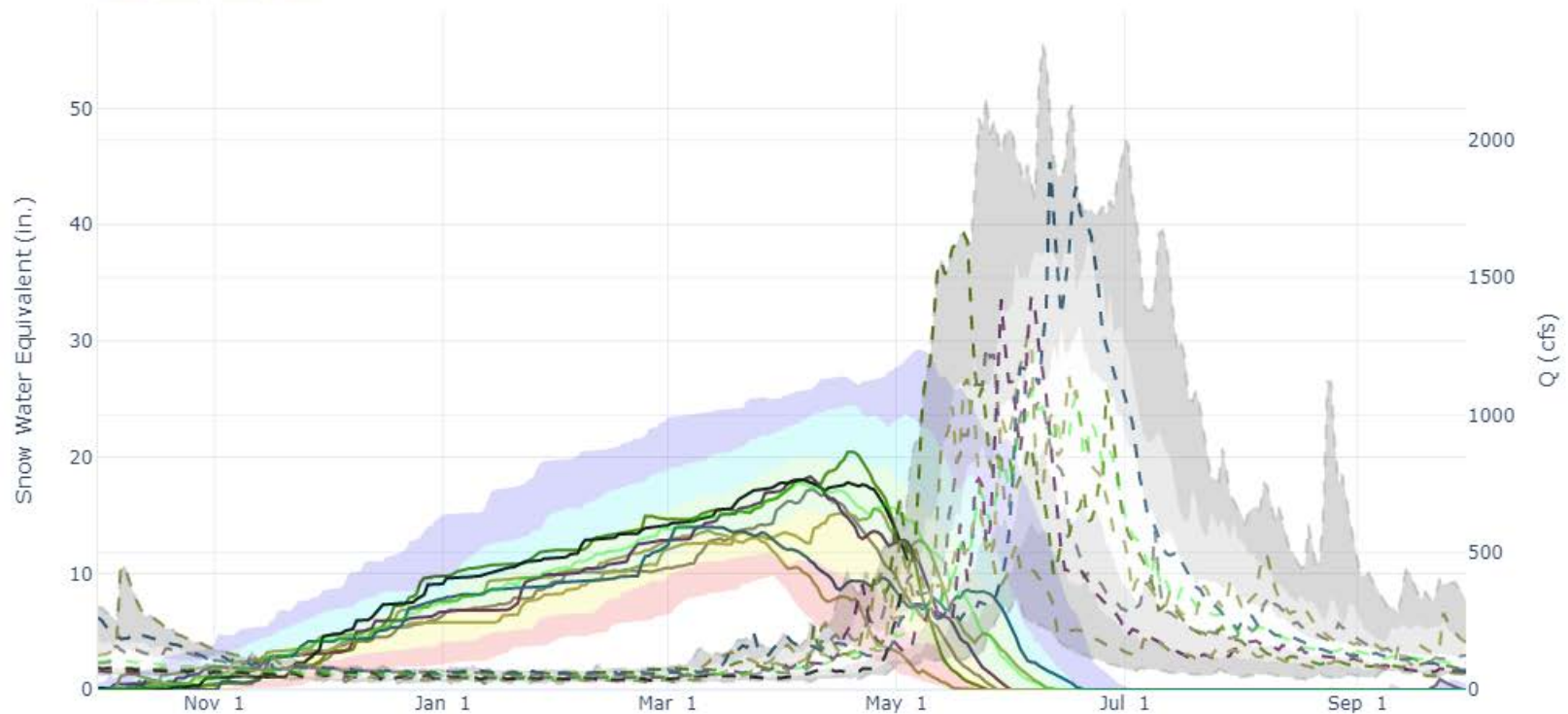
Lake Fork Gunnison River Watershed – Slumgullion Snotel

WY 2021 = Average March 1 SWE



SWE-Q Relationship for Lake Fk at Gateview

Jan Apr July WY



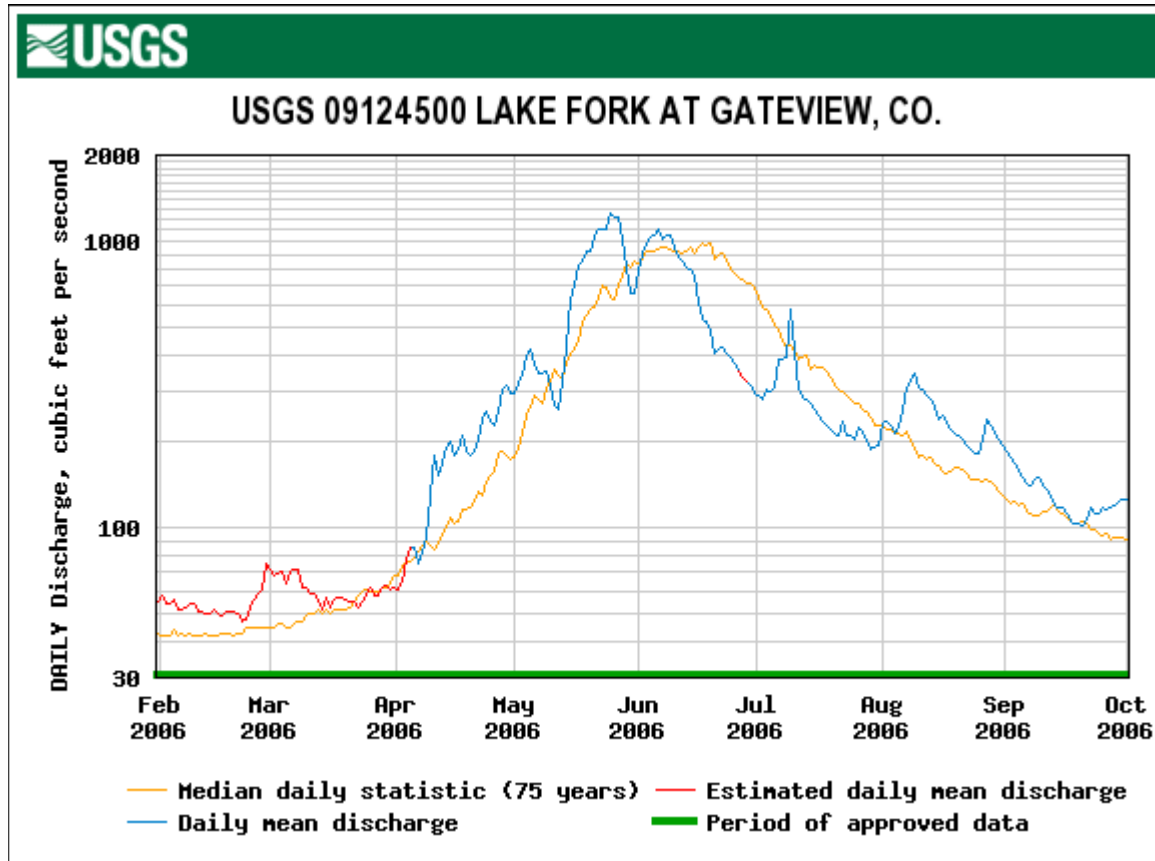
- Station List
- Q Norm
 - SWE Norm
 - Q Stats
 - SWE Stats
 - 2020 (6 sites)
 - 2019 (6 sites)
 - 2018 (6 sites)
 - 2017 (6 sites)
 - 2016 (6 sites)
 - 2015 (6 sites)
 - 2014 (6 sites)
 - 2013 (6 sites)
 - 2012 (6 sites)
 - 2011 (6 sites)
 - 2010 (6 sites)
 - 2009 (6 sites)
 - 2008 (6 sites)
 - 2007 (6 sites)
 - 2006 (6 sites)
 - 2005 (6 sites)
 - 2004 (6 sites)
 - 2003 (6 sites)
 - 2002 (6 sites)

Linear Scale
Log Scale

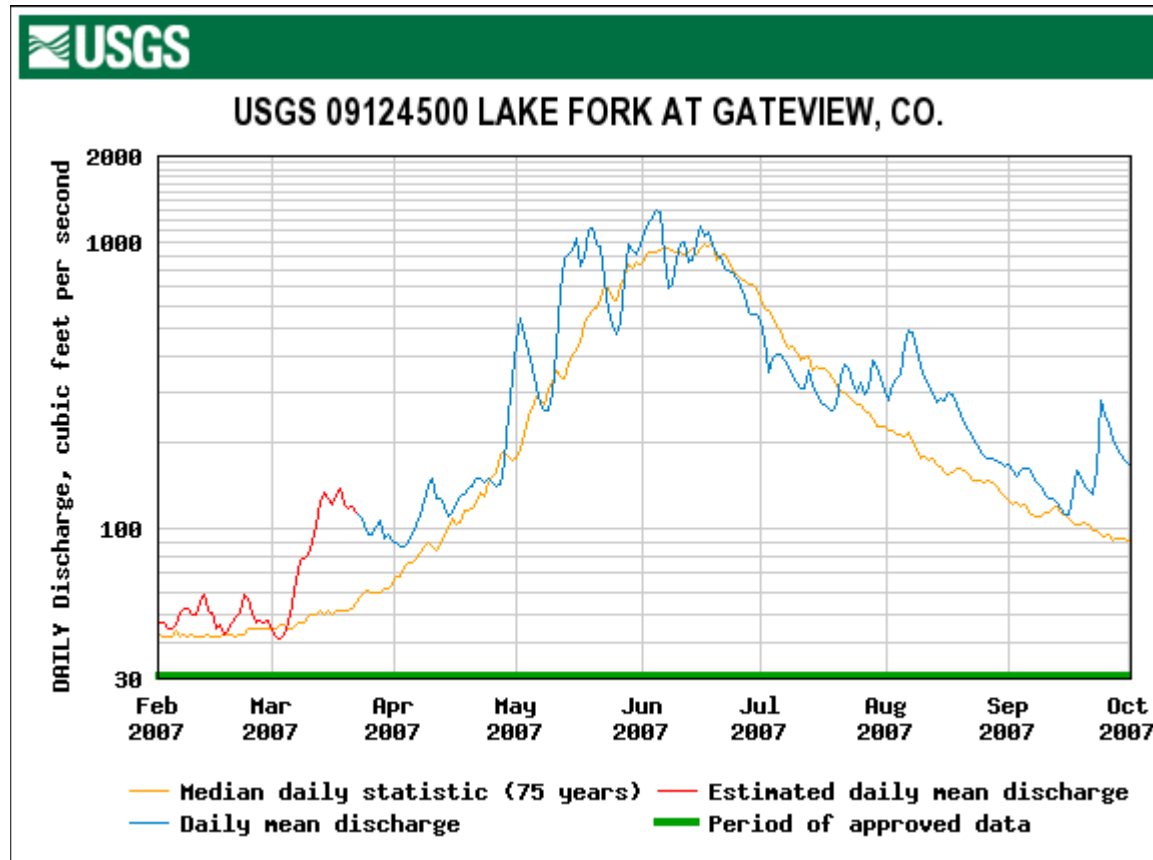


* # of sites does not meet threshold. Data from this year will not for use in calculation of statistics

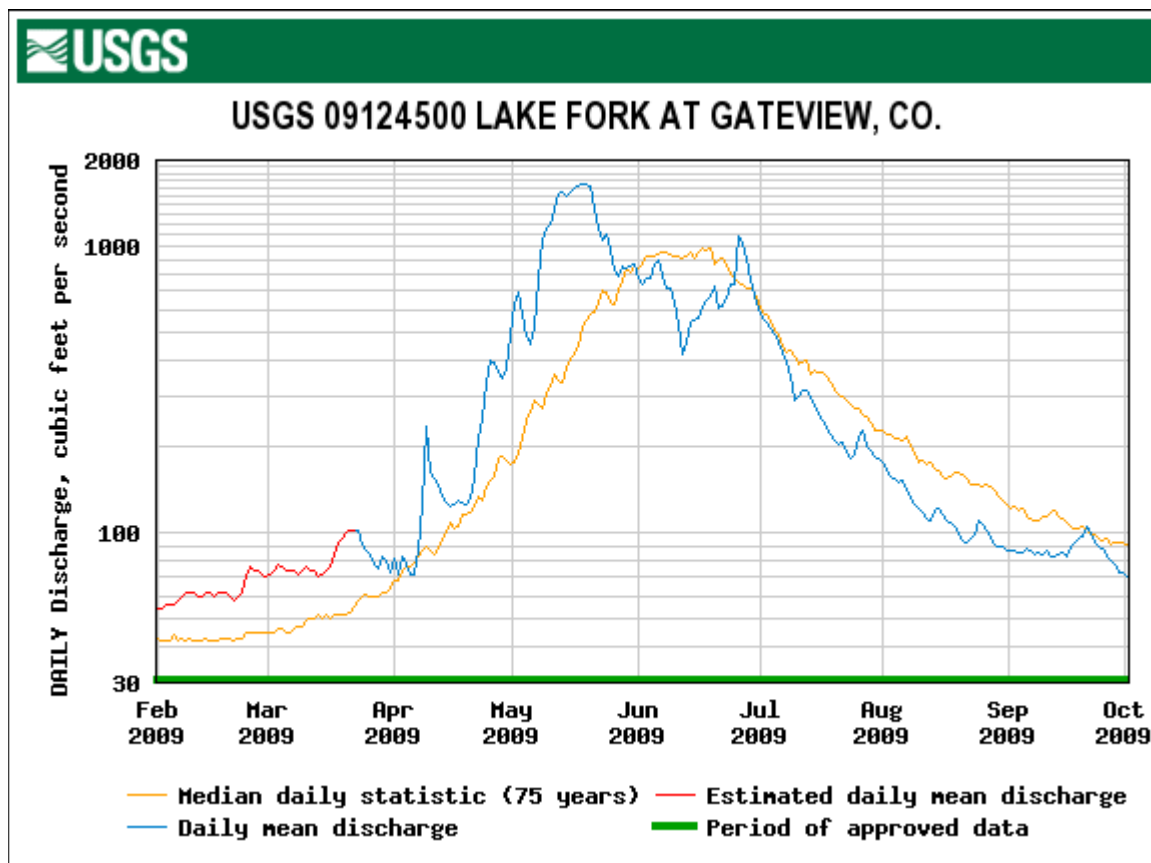
WY 2006: Avg March 1 SWE, Dry Spring, Max- Dust



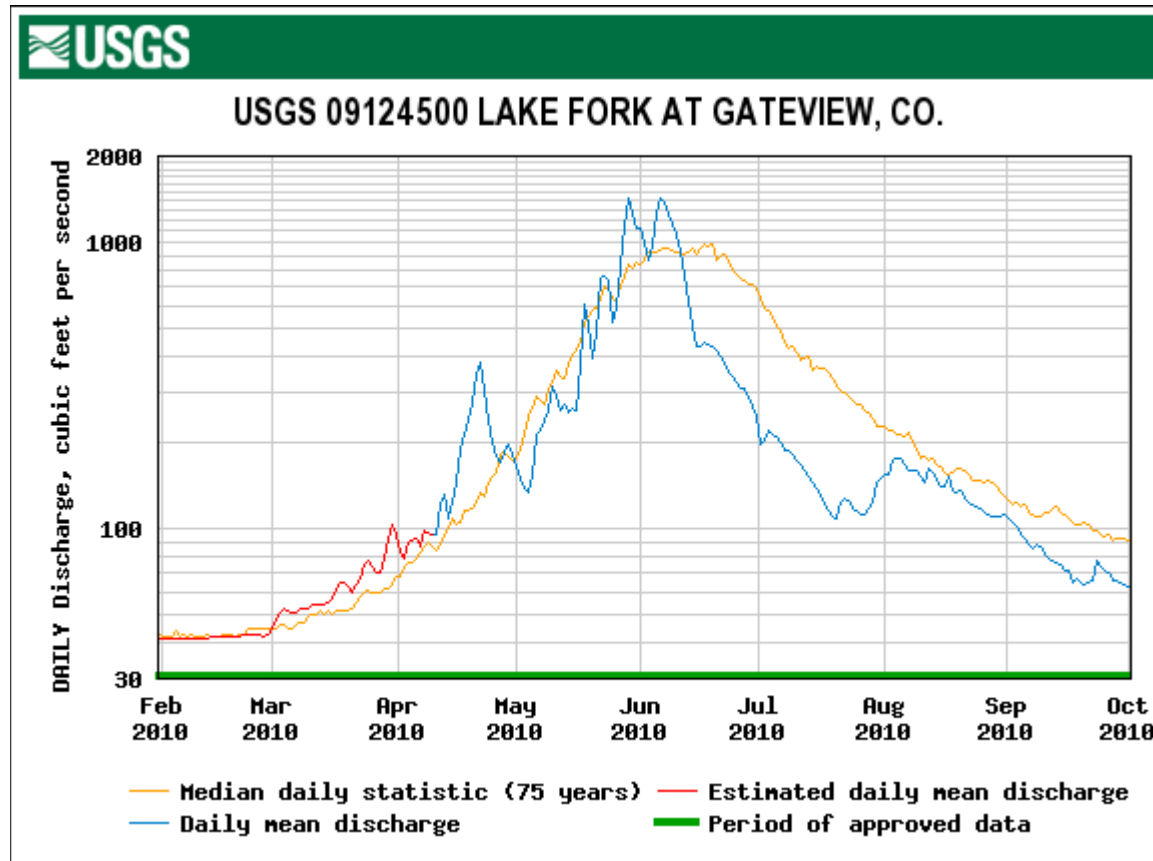
WY 2007: Avg March 1 SWE, Wet Spring, Min+ Dust



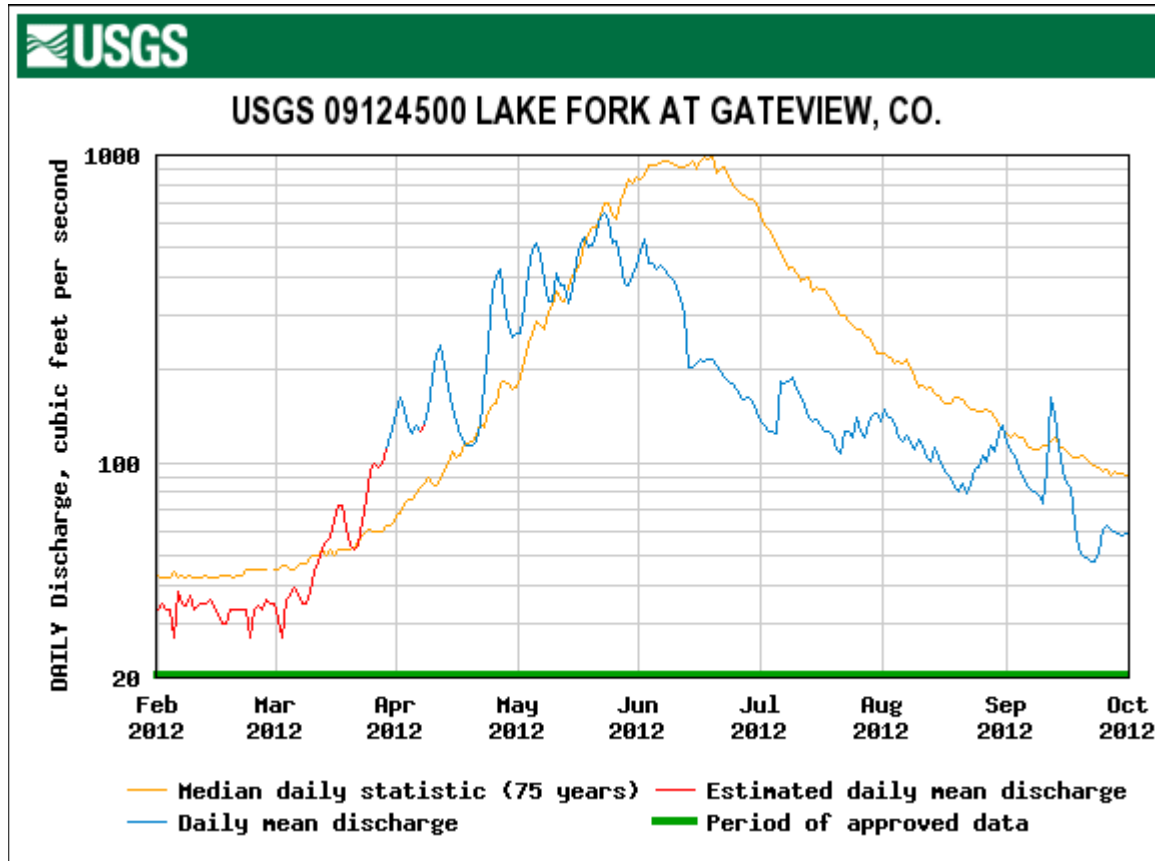
WY 2009: Avg March 1 SWE, Avg Spring, Max Dust



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



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



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

