

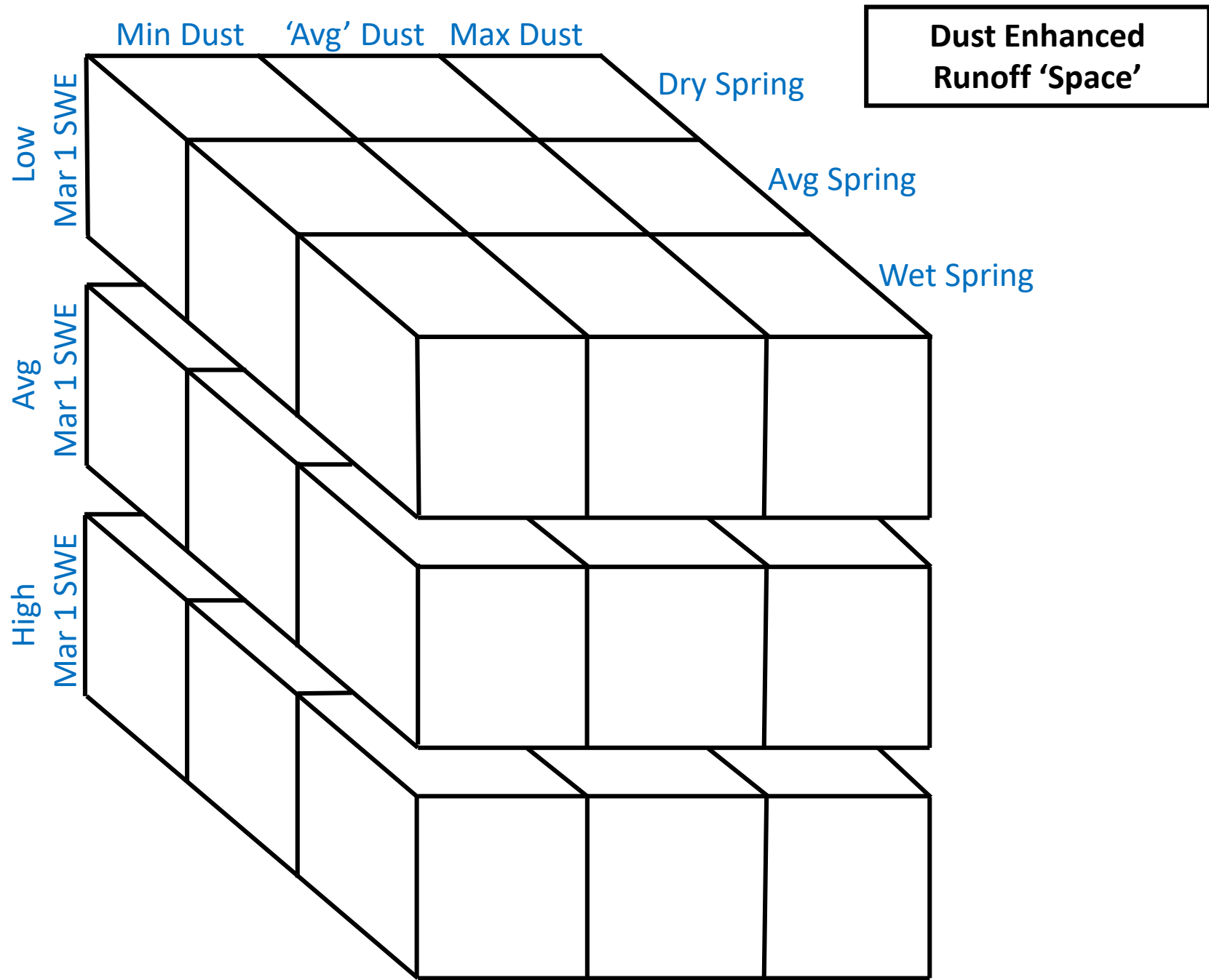
Colorado Dust-on-Snow Program

WY 2021 Dust Enhanced Runoff Classification

Upper Colorado River Watershed – Fraser River
as of: March 1, 2021 Update

for:

Berthoud Summit Snotel, Fraser River at Upper Station



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>

Fraser River Watershed

Berthoud Summit Snotel

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

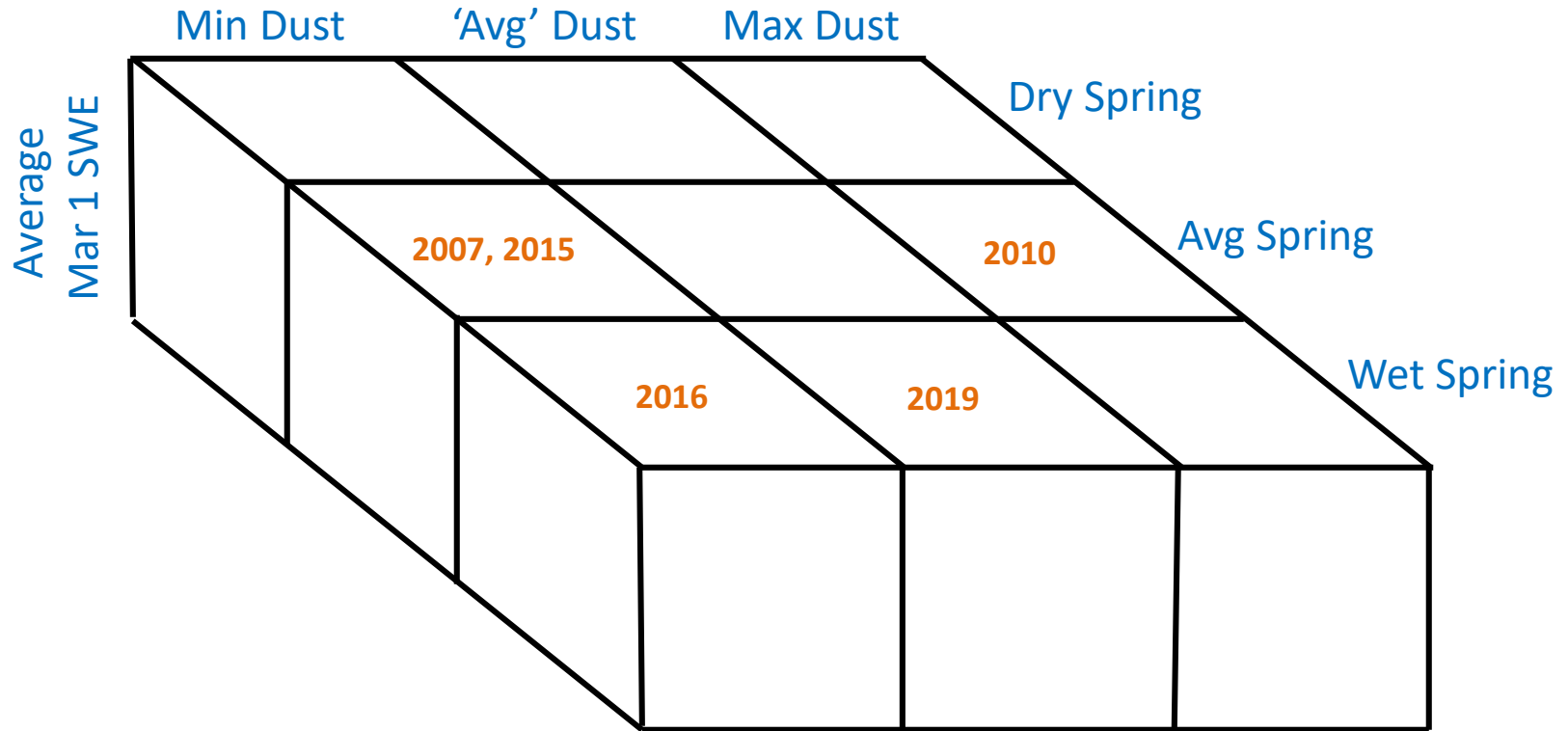
Dry Spring	Avg Spring	Wet Spring
2006	2007	2011
2012	2008	2013
	2009	2016
	2010	
	2014	
	2015	
	2017	
	2018	
Low SWE	Avg SWE	High SWE
2012	2007	2006
2013	2010	2008
2018	2015	2009
	2016	2011
		2014
		2017
Min Dust	Avg Dust	Max Dust
	2006	
2007		
	2008	
		2009
	2010	
	2011	
	2012	
		2013
	2014	
2015		
2016		
2017		
	2018	

Mar 1 SWE

1981-2010

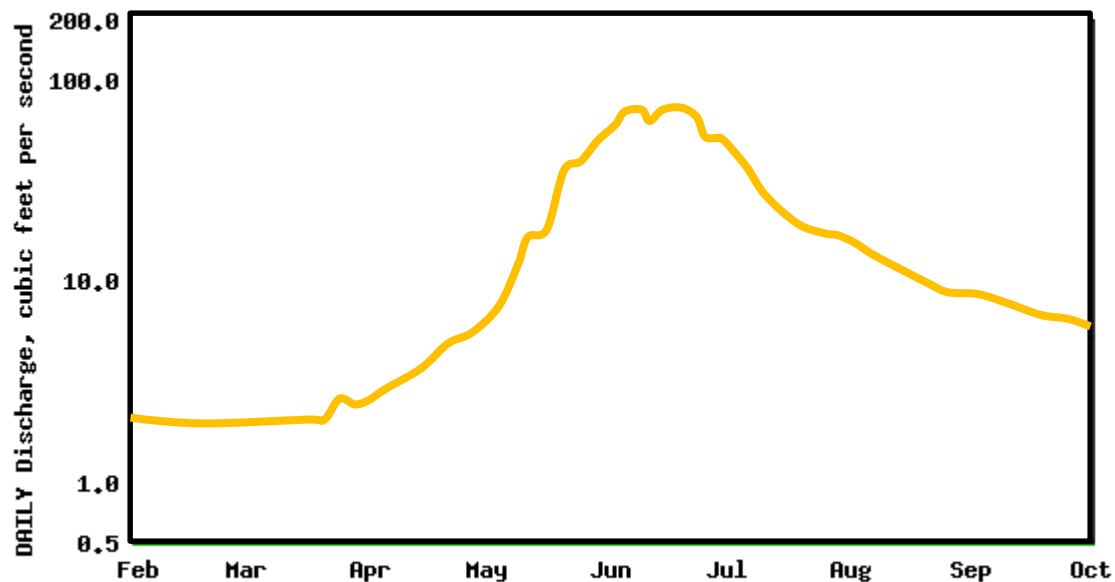
	Median	Actual	%
2006	13.9	17.4	125%
2007	13.9	13.8	99%
2008	13.9	16.0	115%
2009	13.9	16.3	117%
2010	13.9	14.5	104%
2011	13.9	18.3	132%
2012	13.9	12.1	87%
2013	13.9	10.6	76%
2014	13.9	17.1	123%
2015	13.9	15.2	109%
2016	13.9	13.9	100%
2017	13.9	15.4	111%
2018	13.9	11.0	79%

Upper Colorado River Watershed – Berthoud Summit Snotel, Fraser River
WY 2021 = Average March 1 SWE



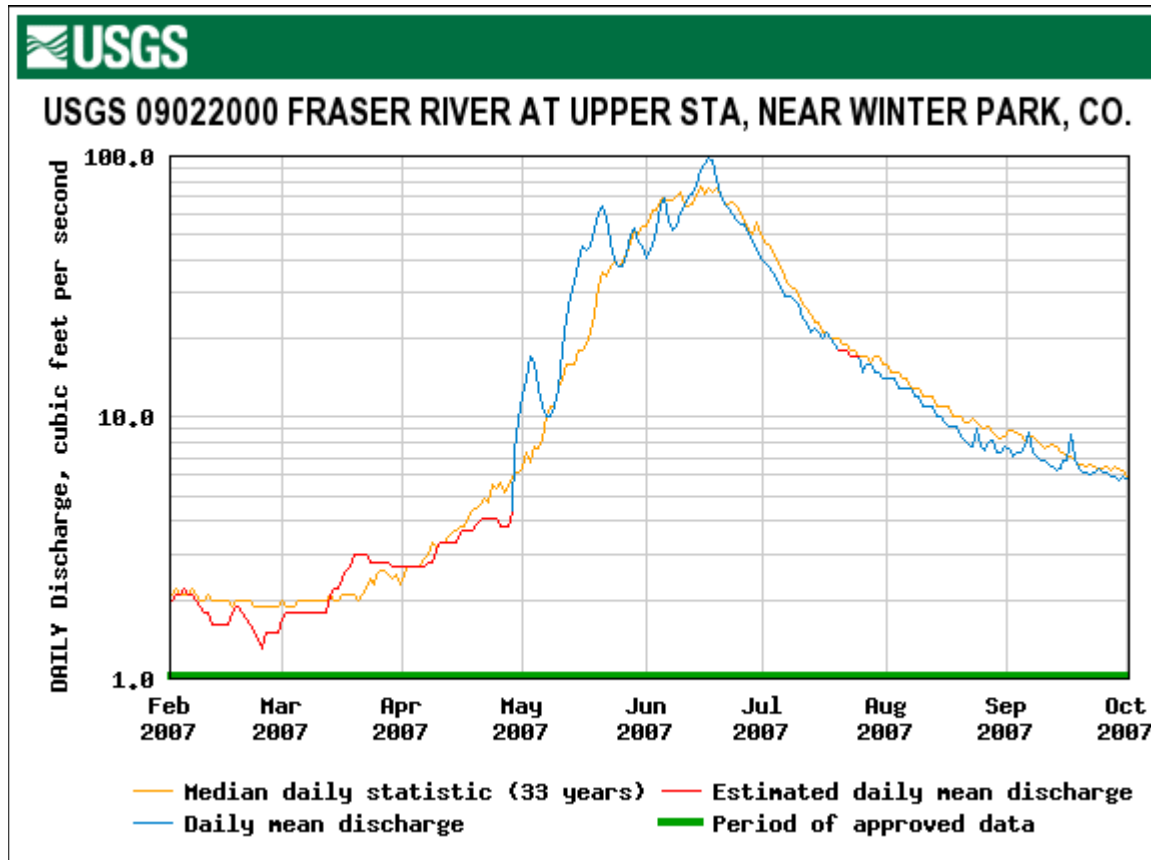


USGS 09022000 FRASER RIVER AT UPPER STA, NEAR WINTER PARK, CO.

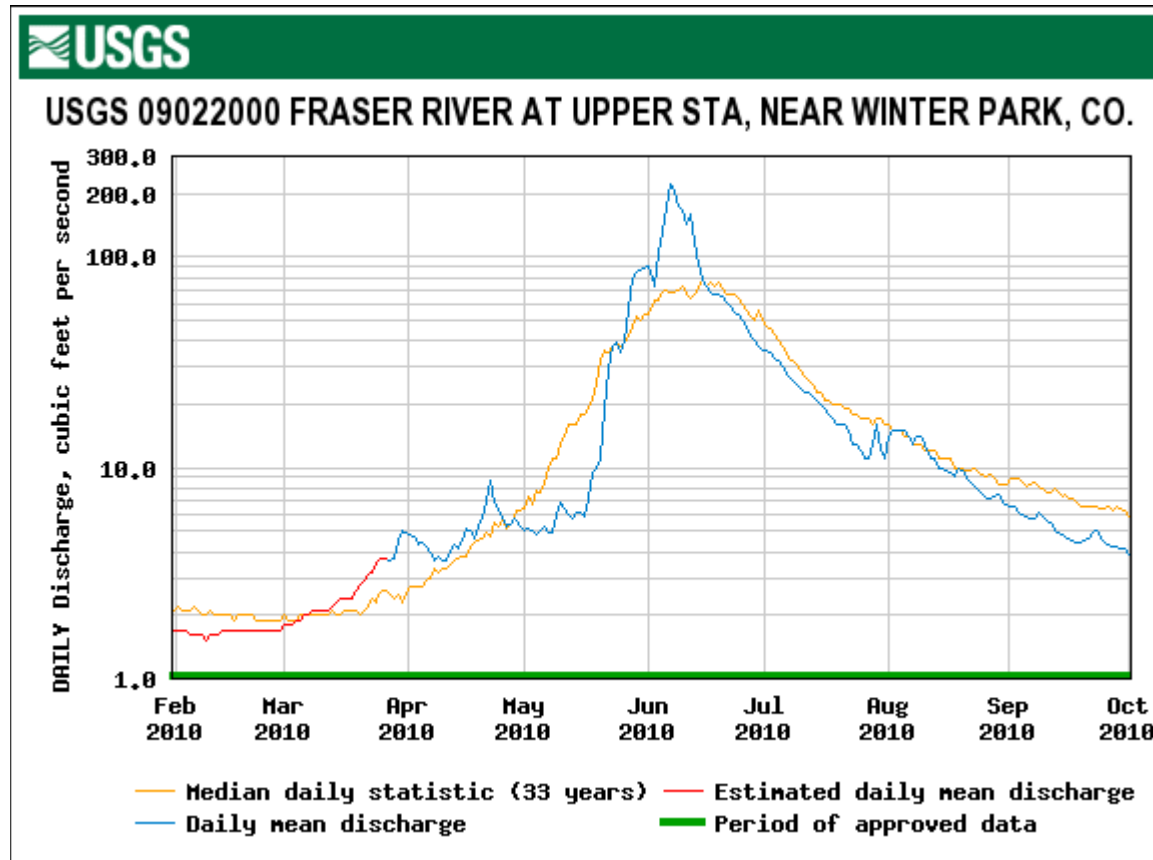


— Median daily statistic (33 years) — Estimated daily mean discharge
— Daily mean discharge — Period of approved data

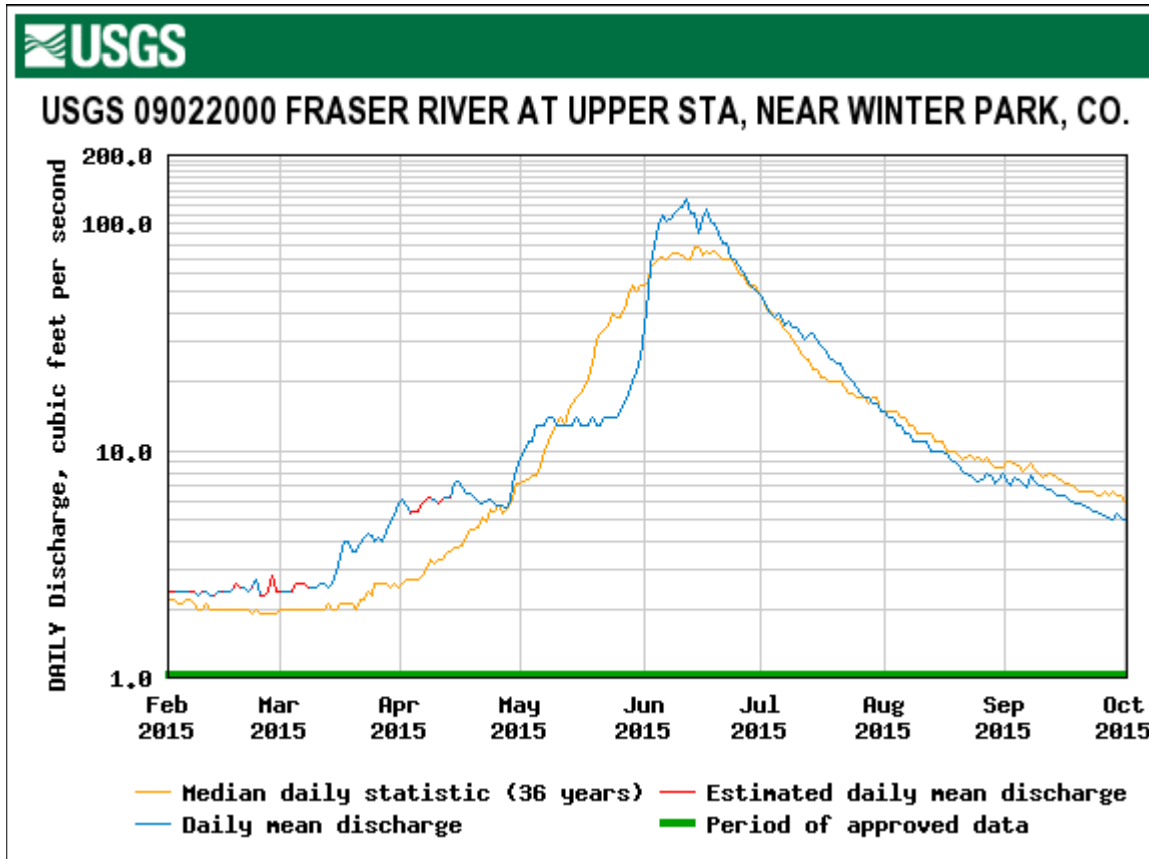
WY 2007: Avg March 1 SWE, Avg Spring, Min+ Dust



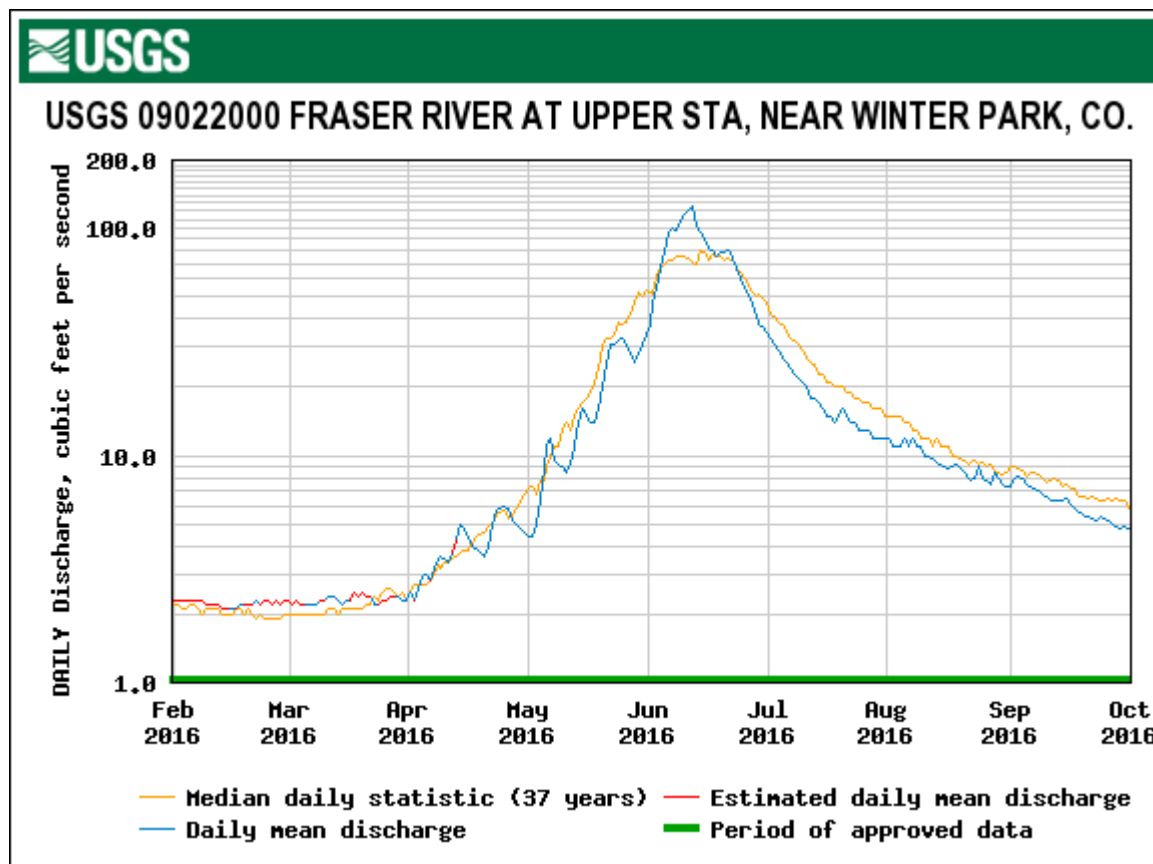
WY 2010: Avg March 1 SWE, Avg Spring, Max- Dust



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



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



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

