

Colorado Dust-on-Snow Program

WY 2022 Dust Enhanced Runoff Classification

Upper Colorado River Watershed – Fraser River
as of: March 1, 2022 Update

for:

Berthoud Summit Snotel, Fraser River at Upper Station



CODOS and Other Selected SNOTEL Sites						
Comparison of % 1981-2010 Median March 1 SWE & % 1991-2020 Median March 1 SWE						
	Median	Median	Actual	% Median SWE	% Median SWE	CODOS
	SWE	SWE	SWE	1981-2010	1991-2020	Classification
	March 1	March 1	March 1	March 1	March 1	Based on
SNOTEL Site	1981-2010	1991-2020	WY 2022	WY 2022	WY 2022	1991-2020
Red Mtn Pass	17.5	17.1	16.4	94%	96%	Average
Slumgullion	10.4	10.6	8.7	84%	82%	Low
Upper San Juan	26.0	23.9	23.3	90%	97%	Average
Wolf Creek Summit	24.9	24.4	29.8	120%	122%	High
Beartown	18.7	16.6	16.1	86%	97%	Average
Lizard Head	12.2	11.8	11.1	91%	94%	Average
Park Cone	8.3	8.2	9.6	116%	117%	High
Schofield Pass	25.2	24.2	30.5	121%	126%	High
McClure Pass	13.5	13.4	11.9	88%	89%	Low
Independence Pass	12.7	13.0	11.0	87%	85%	Low
Hoosier Pass	10.9	11.4	10.1	93%	89%	Low
Grizzly Peak	13.2	13.6	12.3	93%	90%	Average
Berthoud Summit	13.9	13.8	11.9	86%	86%	Low
Willow Creek Pass	9.5	10.6	11.4	120%	108%	Average
Rabbit Ears Pass	19.1	19.6	15.5	81%	79%	Low
Mesa Lakes	12.7	12.3	13.1	103%	107%	Average

Fraser River Watershed

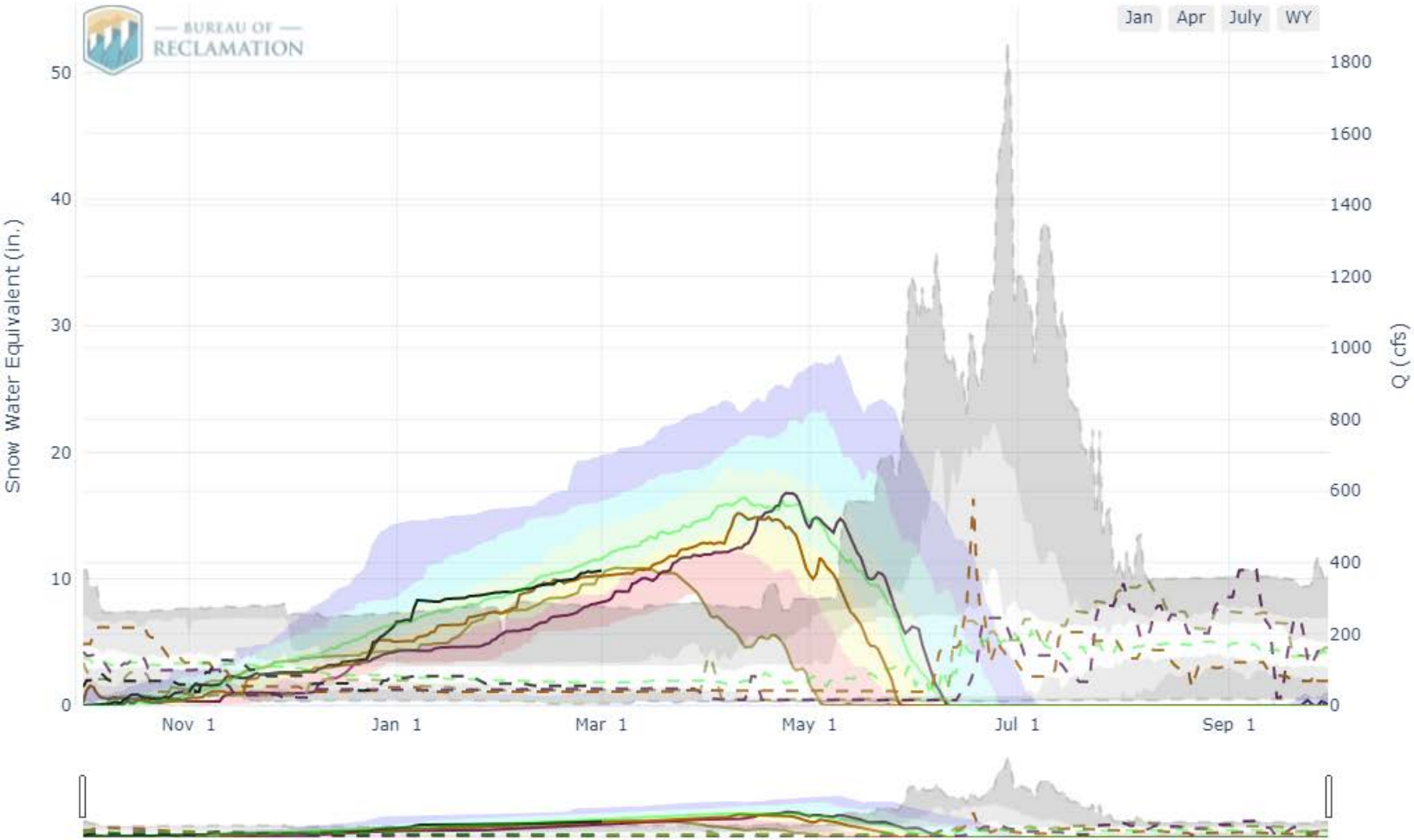
Berthoud Summit Snotel

		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		2021	2019
	Max Dust		2010	
HIGH March 1 SWE	Min Dust	2020	2017	
	Avg Dust		2008, 2014	2011
	Max Dust	2006	2009	

Snow to Flow Relationship for Williams Fk bl Williams Fk Reservoir



Jan Apr July WY

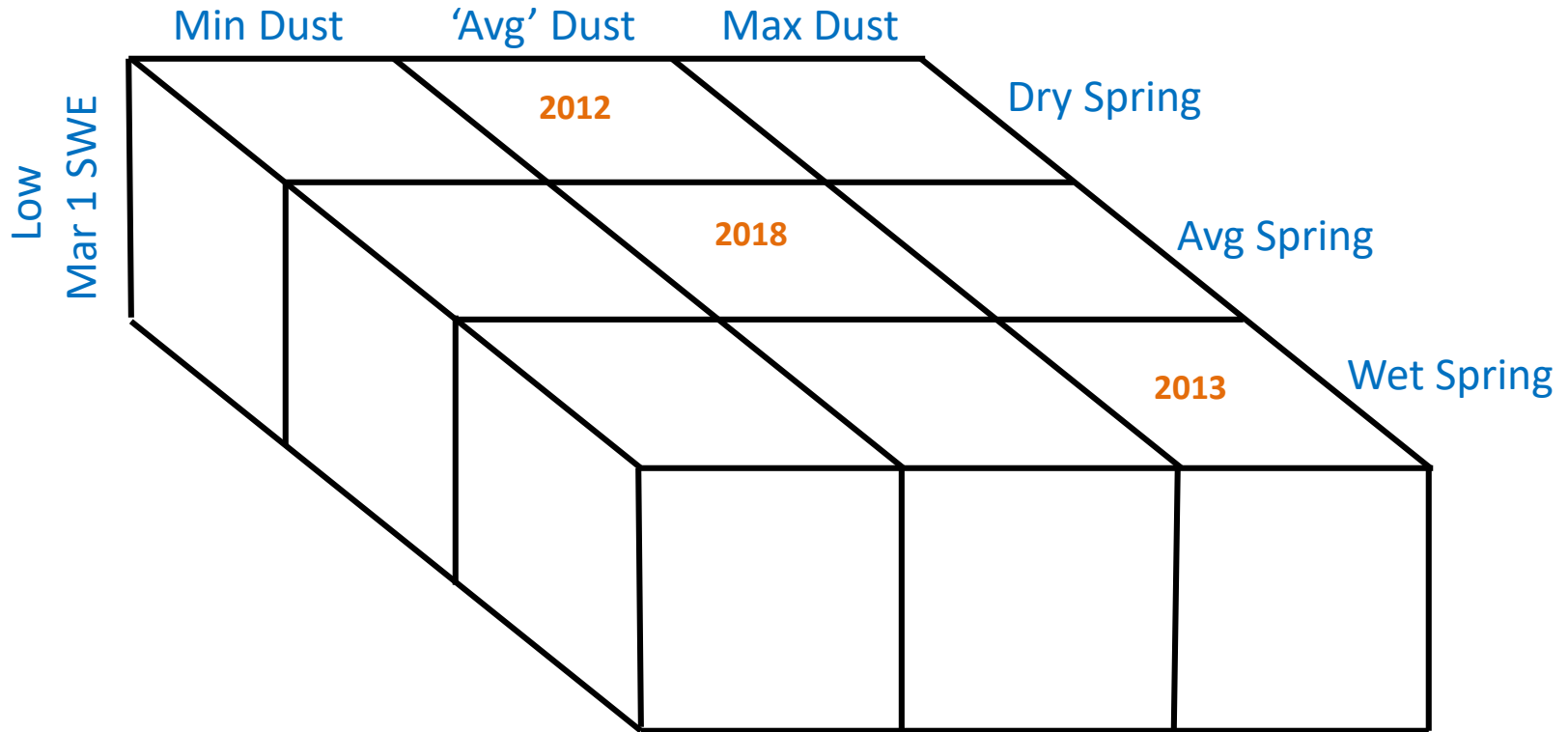


- Station List
- Median
 - Median
 - Q Stats
 - SWE Stats
 - 2022 (3 sites)
 - 2021 (3 sites)
 - 2020 (3 sites)
 - 2019 (3 sites)
 - 2018 (3 sites)
 - 2017 (3 sites)
 - 2016 (3 sites)
 - 2015 (3 sites)
 - 2014 (3 sites)
 - 2013 (3 sites)
 - 2012 (3 sites)
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 - 2009 (3 sites)
 - 2008 (3 sites)
 - 2007 (3 sites)
 - 2006 (3 sites)
 - 2005 (3 sites)
 - 2004 (3 sites)
 - 2003 (3 sites)
 - 2002 (3 sites)
 - 2001 (3 sites)

Linear Scale
Log Scale

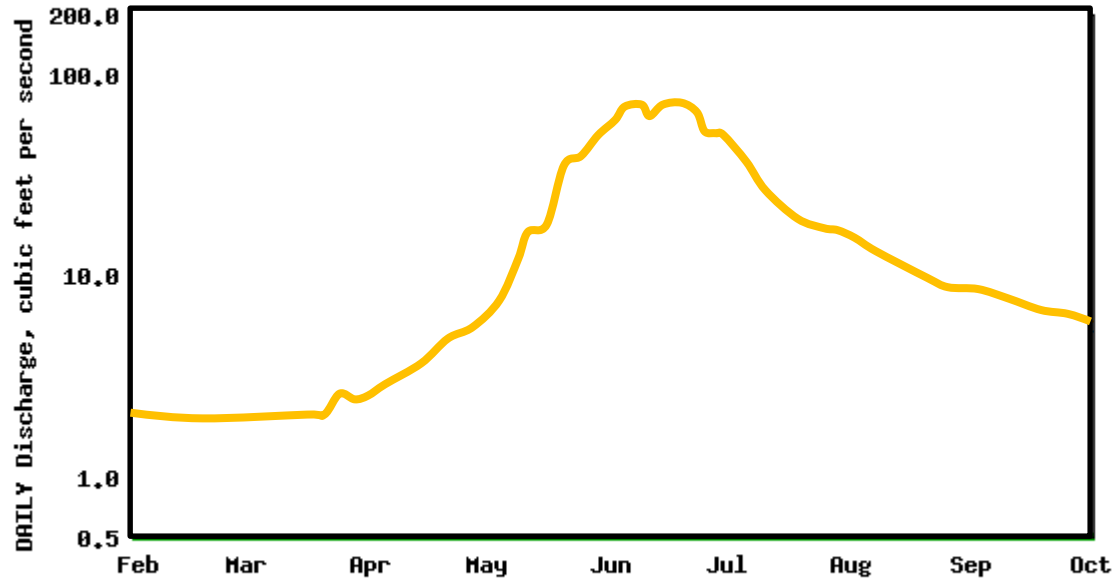
* # of sites does not meet basin threshold. Data from this year will not for use in calculation of statistics
Updated: "Tuesday, Mar 01, 2022 @ 04 AM PST"

Upper Colorado River Watershed – Berthoud Summit Snotel, Fraser River
WY 2022 = Low March 1 SWE



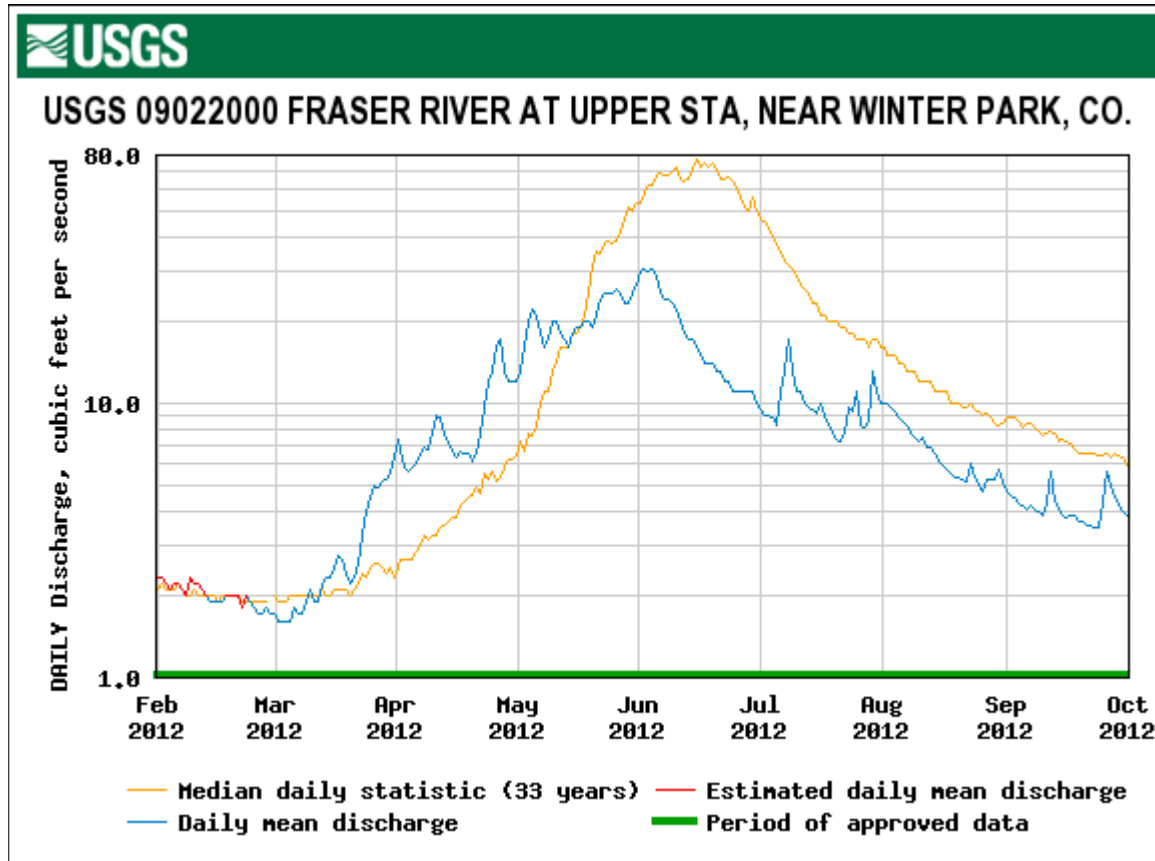


USGS 09022000 FRASER RIVER AT UPPER STA, NEAR WINTER PARK, CO.

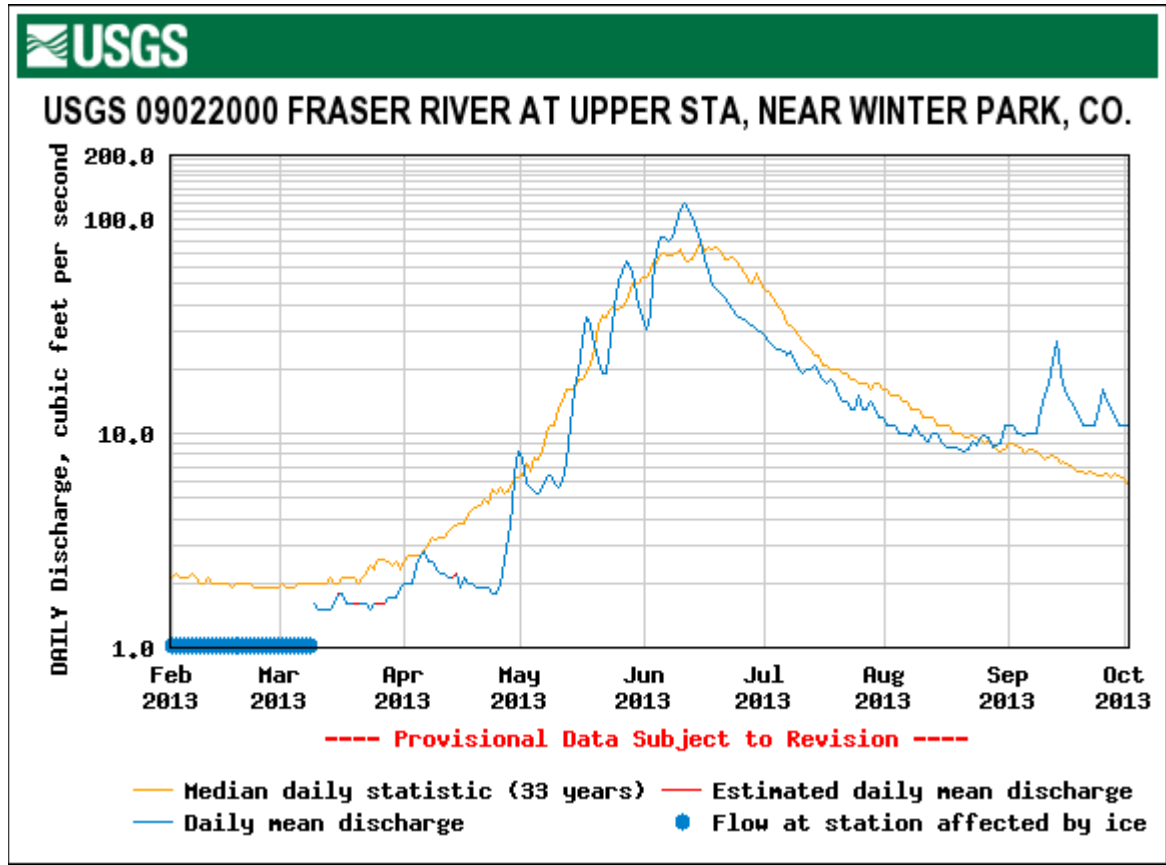


— Median daily statistic (33 years) — Estimated daily mean discharge
— Daily mean discharge — Period of approved data

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



WY 2013: Low March 1 SWE, Wet Spring, Max Dust



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

