

Snowpack and Streamflow Comparisons May 1, 2022



Snow Water Content

% of Average

Colorado's Statewide Snowpack	79%
Upper Colorado River ⁽¹⁾	85%
South Platte Tributaries ⁽²⁾	91%

Snow-Water Content Comparisons (inches)

Watershed	May 1, 2022 Snow-Water Content			May 1 Comparative Snow-Water Content			
	2022	Average	% Avg	2021	2020*	2019	2002
Blue River	12.4	14.1	88%	81%	110%	137%	32%
Upper Colorado River	12.6	15.3	82%	81%	114%	98%	35%
Willow Creek	9.4	10.3	91%	77%	97%	114%	44%
Fraser River	11.9	15.4	78%	94%	114%	106%	36%
Poudre River	12.5	14.1	89%	96%	102%	89%	46%
Big Thompson River	14.5	15.2	96%	106%	112%	97%	37%
St. Vrain River	10.5	11.0	95%	121%	120%	94%	11%
Boulder Creek	9.3	10.8	86%	121%	130%	90%	14%

*Please note that most snow surveys in 2020 were cancelled due to COVID-19, so the 2020 SWE is calculated using only automated SNOTEL stations and is not directly comparable with the other years.

Apr-Jul Maximum, Minimum and Most Probable Streamflow Forecasts (1000 af)

Watershed	Forecast Minimum	Most Probable	Forecast Maximum	Apr-Jul Avg ⁽³⁾	Most Prob % Avg
Blue River	163	224	285	283	79%
Upper Colorado River	149	185	230	226	82%
Willow Creek	30	47	64	50	94%
Fraser River	65	92	119	118	78%
Poudre River	133	206	279	230	90%
Big Thompson River	54	84	114	91	92%
St. Vrain River	50	78	106	90	87%
Boulder Creek	35	47	59	54	87%
South Platte Tributaries	--	415	--	465	89%

Precipitation within District Boundaries ⁽⁴⁾

	Totals	Average	% Average
April	0.24	1.73	14%
Nov - Apr	3.05	4.65	66%

- (1) Includes the Colorado, Willow Creek, Fraser and Blue River Watersheds
- (2) Includes the Poudre, Big Thompson, Saint Vrain and Boulder Creek Watersheds
- (3) Average for the period 1991-2020
- (4) Computed using CoCoRaHS and Northern Water Stations