

Snowpack Report

May 1, 2021

North Platte River Drainage (Above Interstate 80)

Snow Course	Type	Snow Depth (inches)		Water Content (inches)		30 Year Median	Percent of Median	
		2021	Last Year	2021	Last Year		2021	Last Year
Albany, WY	Manual Course	25	na	10	14.2	9.6	104%	148%
Arapaho Ridge, CO	SNOTEL	54	62	20.9	23.3	22.3	94%	104%
Blackhall, WY	SNOTEL	60	70	26.7	30.8	NEW	NEW	NEW
Cameron Pass, CO	Manual Course	68	72	22.6	29.0	27.1	83%	107%
Cinnabar Park	SNOTEL	41	na	17	22.1	19.4	88%	114%
Columbine, CO	SNOTEL	27	48	11.3	23.5	18.2	62%	129%
Columbine Lodge, CO	Manual Course	25	na	10.6	na	15.9	67%	na
Deep Lake, WY	Manual Course	95	104	39.6	43.6	39.4	101%	111%
Divide Peak, WY	SNOTEL	23	35	10.8	15.7	18.0	60%	87%
Fox Park #2	Manual Course	12	na	5.1	na	NEW	NEW	
Fox Park	Manual Course	0	na	0.0	8.0	5.0	0%	160%
Joe Wright, CO	SNOTEL	54	58	22.6	24.3	23.3	97%	104%
Laprele Creek, WY	SNOTEL	19	na	7.6	7.3	6.1	125%	120%
Med Bow, WY	SNOTEL	83	101	38.6	45.0	NEW	NEW	
Moss Lake, WY	Manual Course	47	67	19.2	26.6	23.4	82%	114%
Moss Lake #2, WY	Manual Course	54	na	22.0	26.4	NEW	NEW	
Never Summer, CO	SNOTEL	42	57	19.0	23.3	21.8	87%	107%
North Barrett Creek, WY	Manual Course	53	66	20.6	27.0	22.0	94%	123%
North French Creek, WY	SNOTEL	62	84	27.2	35.6	32.9	83%	108%
Old Battle, WY	SNOTEL	75	90	29.6	33.8	34.7	85%	97%
Park View, CO	Manual Course	20	na	5.9	na	7.2	82%	
Purgatory Gulch, WY	Manual Course	18.5	26	6.4	8.6	10.7	60%	80%
Rawah, CO	SNOTEL	13	19	5.1	8.2	6.1	84%	134%
Ryan Park, WY	Manual Course	16	28	5.8	10.4	5.8	100%	179%
Sage Creek Basin, WY	SNOTEL	16	11	5.2	4.5	1.1	473%	409%
Sand Lake, WY	SNOTEL	74	79	30.3	33.2	31.4	96%	106%
South Brush Creek, WY	SNOTEL	2	14	1.2	6.1	9.2	13%	66%
Tower, CO	SNOTEL	80	113	35.2	46.0	50.0	70%	92%
Webber Springs, WY	SNOTEL	38	50	17.1	19.8	21.7	79%	91%
Whiskey Park, WY	SNOTEL	42	60	21.4	28.3	26.5	81%	107%
Willow Creek Pass, CO	Manual Course	28	na	9.0	na	11.4	79%	
Willow Creek Pass, CO	SNOTEL	38	44	12.2	15.2	14.2	86%	107%
Zirkel, CO	SNOTEL	27	43	12.5	21.8	21.0	60%	104%
Drainage Average:							83%	107%

Encampment River Drainage

Snow Course	Type	Snow Depth (inches)		Water Content (inches)		30 Year Median	Percent of Median	
		2021	Last Year	2021	Last Year		2021	Last Year
Blackhall, WY	SNOTEL	60	59	26.7	30.8	NEW	NEW	NEW
Old Battle, WY	SNOTEL	75	72	29.6	33.8	34.7	85%	97%
Purgatory Gulch, WY	Manual Course	18.5	6	6.4	8.6	10.7	60%	80%
Webber Springs, WY	SNOTEL	38	34	17.1	19.8	21.7	79%	91%
Whiskey Park, WY	SNOTEL	42	na	21.4	28.3	26.5	81%	107%
Drainage Average:							80%	97%

Little Snake River Drainage

Snow Course	Type	Snow Depth (inches)		Water Content (inches)		30 Year Median	Percent of Median	
		2021	Last Year	2021	Last Year		2021	Last Year
Battle Mountain, WY	SNOTEL	0	2	0.0	1.0	0.0		
Butterhill, CO	Manual Course	14	na	5.4	na	10.2	53%	
Divide Peak, WY	SNOTEL	23	na	10.8	15.7	18.0	60%	87%
Elk River, CO	SNOTEL	16	29	7.2	12.6	13.2	55%	95%
Elkhead Divide	SNOTEL	25	na	9.3	17.8	NEW	NEW	
Haskins Creek, WY	Manual Course	60	75	24.0	31.4	31.2	77%	101%
Little Snake River, WY	SNOTEL	34	50	15.9	23.0	22.3	71%	103%
Old Battle, WY	SNOTEL	75	na	29.6	33.8	34.7	85%	97%

Sage Creek, WY	SNOTEL	16	na	5.2	4.5	1.1	473%	409%
Sandstone R. S., WY	SNOTEL	3	21	0.6	7.8	5.9	10%	132%
Whiskey Park, WY	SNOTEL	42	na	21.4	28.3	26.5	81%	107%
Drainage Average:							74%	103%

Comments:

This information is provided as a public service from the Wyoming State Engineer's Office. Manual snow surveys are conducted at the end of January, February, March and April. Data from these surveys is combined with data from automated SNOTEL sites to come up with average snowpack values. For more information you can contact Chad Pickett or Robin Blake at 326-8130.

Snowpack Report

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Big Laramie River Drainage

Snow Course	Type	Snow Depth (inches)		Water Content (inches)		Median	Percent Median	
		2021	Last Year	2021	Last Year	1981-2010	2021	Last Year
Cameron Pass, CO	Manual Course	68"	72"	22.6	29.0	27.1	83%	108%
Chambers Lake, CO	Manual Course	21"	15"	3.6	5.2	2.6	138%	200%
Deadman Hill, CO	SNOTEL	53"	51"	21.4	20.0	19.0	113%	105%
Fox Park, WY	Manual Course	0"	22"	0.0	8.0	5.0	0%	160%
Joe Wright, CO	SNOTEL	54"	58"	22.6	24.3	23.3	97%	104%
McIntyre, CO	Manual Course	*	23"	*	7.6	8.0	*	95%
Roach, CO	SNOTEL	41"	36"	14.9	13.7	17.2	87%	80%
Drainage Average:							90%	105%

* Data unavailable from NRCS at this time.

Little Laramie River Drainage

Snow Course	Type	Snow Depth (inches)		Water Content (inches)		Median	Percent Median	
		2021	Last Year	2021	Last Year	1981-2010	2021	Last Year
Albany	Manual Course	25"	36"	10.0	14.2	9.6	104%	153%
Brooklyn Lake	SNOTEL	52"	67"	22.1	28.5	23.3	95%	122%
Cinnabar Park	SNOTEL	41"	55"	17.0	22.1	19.4	88%	114%
Hairpin Turn	Manual Course	40"	41"	15.2	15.8	12.8	119%	123%
Libby Lodge	Manual Course	34"	32"	13.0	12.0	5.8	224%	207%
Drainage Average:							109%	131%

Crow Creek Drainage (Mountains east of Laramie)

Snow Course	Type	Snow Depth (inches)		Water Content (inches)		Median	Percent Median	
		2021	Last Year	2021	Last Year	1981-2010	2021	Last Year
Crow Creek	SNOTEL	0	1"	1.0	0.2	0		
Pole Mountain	Manual Course	25"	26"	8.3	8.6	4.6	180%	187%
Drainage Average:							202%	191%

Medicine Bow River Drainage (Including Rock Creek)

Snow Course	Type	Snow Depth (inches)		Water Content (inches)		Median	Percent Median	
		2021	Last Year	2021	Last Year	1981-2010	2021	Last Year
Deep Lake	Manual Course	95"	104"	39.6	43.6	39.4	101%	111%
Medicine Bow	SNOTEL	83"	101"	38.6	45.0			
Moss Lake	Manual Course	47"	67"	19.2	26.6	23.4	82%	114%
Sand Lake	SNOTEL	74"	79"	30.3	33.2	31.4	96%	106%
Drainage Average:							95%	110%

Little Medicine Bow River Drainage

Snow Course	Type	Snow Depth (inches)		Water Content (inches)		Median	Percent Median	
		2021	Last Year	2021	Last Year	1981-2010	2021	Last Year
LaPrele Creek	SNOTEL	19"	18"	7.6	7.3	6.1	125%	120%
Drainage Average:							125%	120%

Comments:

The fourth manual snow survey for 2021 was finished on April 30, 2021. The snowpack in the mountains west of Laramie show that the southern part of the mountains are at 90% of median using the new 30 year median, and the northern end of the mountains are at 95% of median using the new 30 year median. Last year at this time they were 105% to 110% using the new 30 year median. The mountains east of Laramie show the snowpack at 202% of median, compared to 191% last year. With these numbers being near to above average, we will continue to need wet snows and rains to help the irrigation season.

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Note: You can see monthly Snowpack Reports at this website.

<http://snow.wyo.gov/snow-data/seo-snowpack-reports-by-drainage>