

Snowpack Report

01 March 2013

Big Laramie River Drainage

Snow Course	Type	Snow Depth (inches)		Water Content (inches)		30 Year Average		Percent of Average		
		2013	Last Year	2013	Last Year	1981-2010	1971-2000	New 2013	Old 2013	Last Year
Cameron Pass, CO	Manual Course	54	60	14.6	16.9	19.6	21.5	74%	68%	79%
Chambers Lake, CO	Manual Course	21	24	4.0	5.2	5.8	7.2	69%	56%	72%
Deadman Hill, CO	SNOTEL	45	59	10.2	15.5	12.4	13.0	82%	78%	119%
Fox Park, WY	Manual Course	18	23	3.2	5.7	6.0	6.3	53%	51%	90%
Joe Wright, CO	SNOTEL	47	44	10.5	12.8	16.6	17.3	63%	61%	74%
McIntyre, CO	Manual Course		*				*			
Roach, CO	SNOTEL	43		9.3	12.2	12.4	13.9	75%	67%	88%
Drainage Average:								69%	64%	87%

* Data unavailable until May

Little Laramie River Drainage

Snow Course	Type	Snow Depth (inches)		Water Content (inches)		30 Year Average		Percent of Average		
		2013	Last Year	2013	Last Year	1981-2010	1971-2000	New 2013	Old 2013	Last Year
Albany	Manual Course	31	46	6.7	11.7	10.6	11.8	63%	57%	99%
Brooklyn Lake	SNOTEL	45		12.5	16.6	15.0	19.0	83%	66%	87%
Cinnabar Park	SNOTEL	47	62	11.5	15.3	17.1	15.9	67%	75%	96%
Hairpin Turn	Manual Course	33	52	7.9	14.1	11.5	13.9	69%	57%	101%
Libby Lodge	Manual Course	29	44	7.5	12.4	8.4	9.6	89%	78%	129%
Drainage Average:								74%	67%	102%

Crow Creek Drainage (Mountains east of Laramie)

Snow Course	Type	Snow Depth (inches)		Water Content (inches)		30 Year Average		Percent of Average		
		2013	Last Year	2013	Last Year	1981-2010	1971-2000	New 2013	Old 2013	Last Year
Crow Creek	SNOTEL	18	29	3.9	7.7	6.7	7.3	58%	53%	105%
Pole Mountain	Manual Course	31	41	5.1	10.2	6.6	6.8	77%	75%	150%
Drainage Average:								68%	64%	128%

Medicine Bow River Drainage (Including Rock Creek)

Snow Course	Type	Snow Depth (inches)		Water Content (inches)		30 Year Average		Percent of Average		
		2013	Last Year	2013	Last Year	1981-2010	1971-2000	New 2013	Old 2013	Last Year
Moss Lake	Manual Course	53	56	14.8	15.6	16.6	19.9	89%	74%	78%
Deep Lake	Manual Course	76	91	22.5	27.5		32.5		69%	85%
Sand Lake	SNOTEL	67	85	16.6	21.9	21.2	25.2	78%	66%	87%
Drainage Average:								83%	70%	83%

Comments:

Note: The 30 Year Averages have changed. I have included two columns to show the difference. Under the 30 Year Average are the two 30 Year Averages. Under the Percent of Average, New is for 1981-2010 and Old is for 1971-2000 Averages.

You will notice that the only Snotel average that increased for the New 30 year average was Cinnabar Park.

The second manual snow survey for 2013 was finished on February 28, 2013. The snowpack in the mountains west of Laramie show that the southern part of the mountains are at 69% of average using the new 30 year average, and the northern end of the mountains are at 83% of average using the new 30 year average. Last year at this time they were 64% to 70% using the old 30 year average. The mountains east of Laramie show the snowpack at 68% of average compared to 102% last year. While these numbers may seem low, it is too early in the year to know what kind of snowpack we will have by spring.

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 Rod Oliver at 760-4167, or Matt Hoobler at 777-7641.