

Snowpack Report

01 April 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 | 63 | 40 | 20.4 | 13.5 | 25.1 | 27.2 | 81% | 75% | 50% |
| Chambers Lake, CO | Manual Course | 20 | 1 | 5.8 | 0.4 | 6.6 | 8.3 | 88% | 70% | 5% |
| Deadman Hill, CO | SNOTEL | 50 | 46 | 13.2 | 15.4 | 15.6 | 16.4 | 85% | 80% | 94% |
| Fox Park, WY | Manual Course | 18 | 8 | 4.5 | 2.2 | 7.6 | 7.6 | 59% | 59% | 29% |
| Joe Wright, CO | SNOTEL | 49 | 29 | 14.9 | 11.6 | 20.2 | 21.5 | 74% | 69% | 54% |
| McIntyre, CO | Manual Course | | * | | * | | 10.2 | | | * |
| Roach, CO | SNOTEL | 41 | 34 | 11.9 | 11.5 | 15.6 | 17.2 | 76% | 69% | 50% |
| Drainage Average: | | | | | | | | 77% | 70% | 50% |

* 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 | 32 | 25 | 8.1 | 8.5 | 12.2 | 13.7 | 66% | 59% | 62% |
| Brooklyn Lake | SNOTEL | 53 | 43 | 15.9 | 15.6 | 20.0 | 23.9 | 80% | 67% | 65% |
| Cinnabar Park | SNOTEL | 46 | 31 | 13.6 | 12.7 | 20.0 | 17.9 | 68% | 76% | 71% |
| Hairpin Turn | Manual Course | 40 | 30 | 10.7 | 10.2 | 13.4 | 16.3 | 80% | 66% | 63% |
| Libby Lodge | Manual Course | 33 | 21 | 8.4 | 7.1 | 9.6 | 10.9 | 88% | 77% | 65% |
| Drainage Average: | | | | | | | | 76% | 69% | 65% |

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 | 14 | 1 | 4.9 | 2.7 | 6.8 | 9 | 72% | 54% | 30% |
| Pole Mountain | Manual Course | 18 | 22 | 4.5 | 5.5 | 7.6 | 8.4 | 59% | 54% | 65% |
| Drainage Average: | | | | | | | | 66% | 54% | 48% |

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 | 59 | 35 | 19.6 | 13.1 | 19.9 | 23.6 | 99% | 83% | 56% |
| Deep Lake | Manual Course | 87 | 76 | 27.2 | 28.7 | | 40.3 | 67% | 67% | 71% |
| Sand Lake | SNOTEL | 72 | 65 | 21.0 | 22.9 | 27.5 | 32.7 | 76% | 64% | 70% |
| Drainage Average: | | | | | | | | 81% | 71% | 66% |

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 third manual snow survey for 2013 was finished on March 28, 2013. The snowpack in the mountains west of Laramie show that the southern part of the mountains are at 77% of average using the new 30 year average, and the northern end of the mountains are at 81% of average using the new 30 year average. Last year at this time they were 50% to 66% using the old 30 year average. The mountains east of Laramie show the snowpack at 66% of average compared to 48% last year. While these numbers are improving, 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.