



# SNOWREPORT

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Report Created April 22, 2015

**Start Date :** April 16, 2015

**End Date :** April 17, 2015

**Region:** Denver Metro

## Meteorological Discussion

Potent and slow moving spring storm system would produce heavy snow for areas above 5,500-6,000' with a mix of rain and snow for lower elevations starting on Thursday, April 16th. NWS Winter Storm Warnings were in place for Larimer, Boulder, Jefferson and western Douglas County above 6,000' ft from 8am Thursday the 16th through 6am Saturday the 18th. A Winter Weather Advisory was in effect for the eastern 2/3's of Douglas County above 6,000' from 6pm Thursday until 6pm Friday but was cancelled early as snow decreased in the morning. This snow report will cover snowfall from the early am hours Thursday morning the 16th through the morning of Friday the 17th which is when the heaviest snowfall from this storm occurred.

Snow would begin to fill in over the Front Range foothills after midnight on Wednesday the 15th but would hold off until between 5-7am Thursday morning the 16th over the I-25 urban corridor from Fort Collins through Castle Rock. Snow would increase in intensity during the day Thursday with very heavy snowfall at times in the late afternoon and evening of 1-3"/hr. Due to the heavy snowfall rates snow would accumulate all surfaces with slushy snow accumulations pavement down to 5,000' into Thursday evening. After 1-3am Thursday rain began to mix with snow below 5,500' and heavily impacted storm totals over the lower elevations. Due to changeover to a mix of rain and snow overnight there was rapid melting and compaction of the snow which made it very difficult for weather spotters to capture peak snow totals. Rain and a rain/snow mix was most common from the Denver Metro northward into the Boulder/Longmont areas as well as Loveland/Fort Collins as these areas are below 5,500-6,000'. As snow mixed with rain pavement was able to melt snow rather quickly but some slushy accumulations would linger into Friday morning, mainly over the western and southern suburbs. In the foothills above 6,000' snow would accumulate all surfaces with heavy slush/snow accumulations pavement with some icy areas possible above 8,000'. There were many broken tree branches from the heavy snow in areas that received more than 6" of snow. This was a very "heavy" and "wet" snow with anywhere from 1.25-3.0" of liquid equivalent in just a 36-hour period! Snow totals during this time frame generally ranged from 1.5-5" from the Denver Metro area northward to Fort Collins/Loveland. The far west and south Denver suburbs and Palmer Divide area above 5,500-6,000' generally ranged from 6-12" of snow with the higher western foothills tallying anywhere from 12-24".

Many of the snow totals below for locations below 6,000' will be less than peak totals and in some instances well under peak snow totals due to the changeover to rain, melting, compaction and timing of spotters measurements. With less melting above 6,000' snow totals will be more representative of actual snowfall totals. This snow report will cut off at 7-8am Friday morning the 17th with additional snows Friday-Sunday(mainly higher elevations) to be covered in the following snow reports.

Official high for Denver on Thursday April 16th was 36 degrees set at 4:40am with a low for the day prior to midnight at 11:59pm of 33 degrees. A record daily precipitation total of 1.22" was measured with 4.1" of new snow. Low into Friday morning the 17th was 33 degrees set at 3:13am.

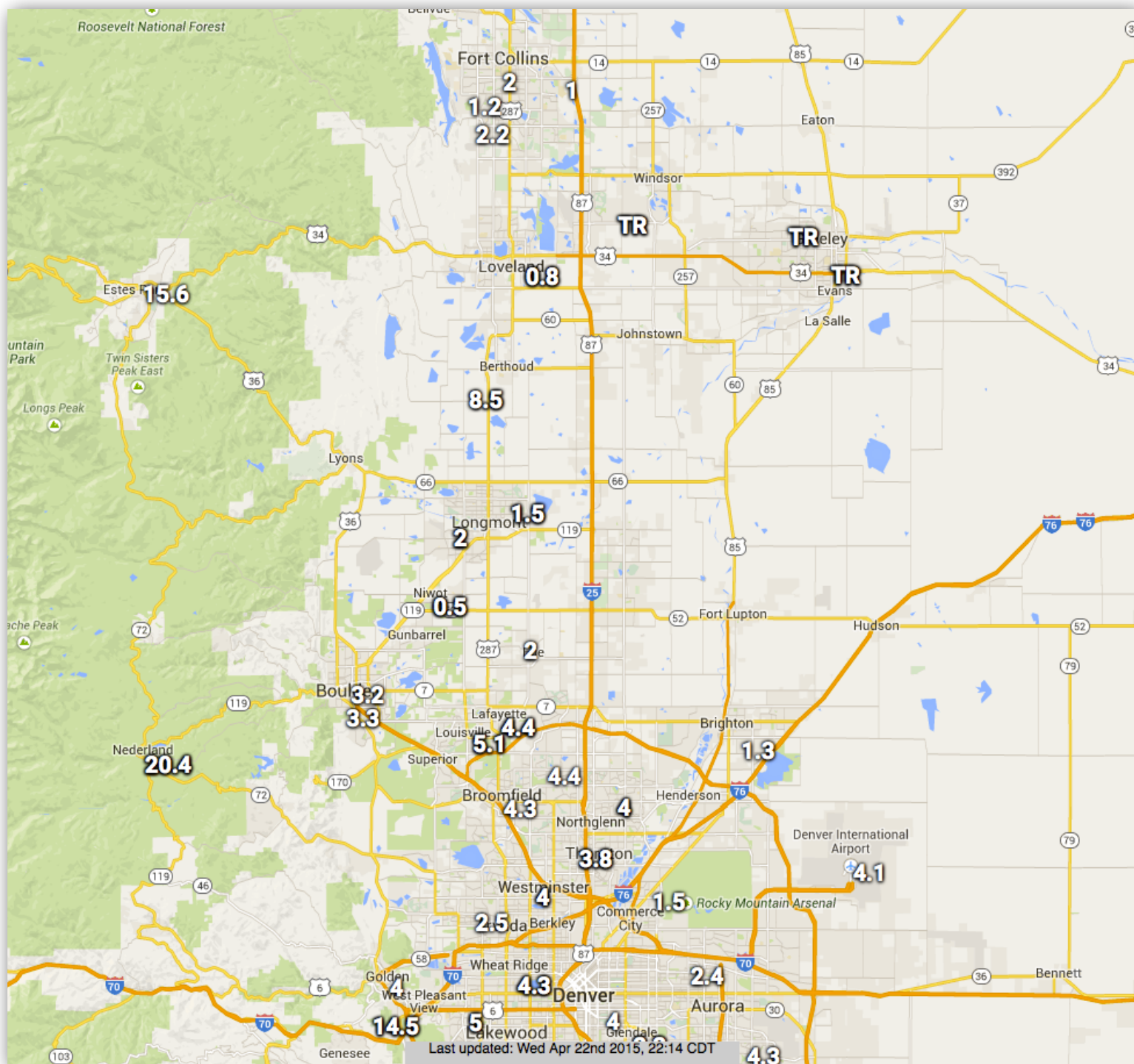
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*Snowfall Totals Table Listing*

Report Location	Snowfall	Report Location	Snowfall	Report Location	Snowfall
Arapahoe Park	6.5	Arvada	2.5	Aurora Central	4.3
Aurora/Eaglecrest	5.5	Berthoud W	1.5	Boulder S	3.3
Boulder Central	3.2	Brighton ESE	1.3	Broomfield	4.3
Castle Pines	13.0	Castle Rock N	10.0	Castle Rock NE	10.7
Centennial W	6.9	Chatfield NW	4.3	Cherry Creek Dam	4.7
Cherry Hills N	3.6	Commerce City NE	1.5	Conifer SW	14.0
Denver DIA	4.1	Denver Stapleton	2.4	Denver ESE	4.0
Drake WSW	8.5	Elizabeth E	7.5	Englewood	5.5
Erie WNW	2.0	Estes Park	15.6	Evergreen S	18.0
Federal Heights N	4.4	Fort Collins E	1.0	Fort Collins CSU	2.0
Fort Collins SW	2.2	Fort Collins WSW	1.2	Glendale	2.3
Golden	4.0	Golden SSW	14.5	Greeley NW	TR
Greeley UNC	TR	Greenwood Village	6.0	Highlands Ranch E	8.5
Ken Caryl Ranch	3.5	Lakewood 6th/Sheridan	3.0	Lakewood 6th/Simms	5.0
Lakewood Central	3.2	Lakewood Green Mtn	6.5	Larkspur	15.5
Lafayette	4.4	Littleton	3.5	Littleton NE	5.0
Littleton SW	5.0	Lone Tree	8.0	Longmont NE	1.5
Longmont W	2.0	Louisville	5.1	Marston Reservoir	2.8
Loveland	0.8	Morrison	8.0	Nederland	20.4
Niwot	0.5	Northglenn	3.8	Parker	8.0

*\*Values in Italics are Estimated*



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Report Location	Snowfall	Report Location	Snowfall	Report Location	Snowfall
Roxborough Park	11.0	Sedalia 5S	9.8	Thornton N	4.0
Watkins SE	3.5	Westminster	4.0	Wheat Ridge	4.3
Windsor SW	TR				

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### Disclaimer Statement

The above SnowREPORT™ is certified to be accurate and representative of snowfall depths. This SnowREPORT derives the totals from our own research and analysis of many meteorological reports received from the National Weather Service offices, Cooperative Observers, and other private and public entities. The totals received are also compared to radar imagery for further verification by our meteorological staff. AnythingWeather and Skyview Weather meteorologists reserve the right to update these reports as needed upon reviewing late reports and new data being received. Use of this SnowREPORT for legal purposes is prohibited without expressed written permission. If approved, additional fees may apply.