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City, St

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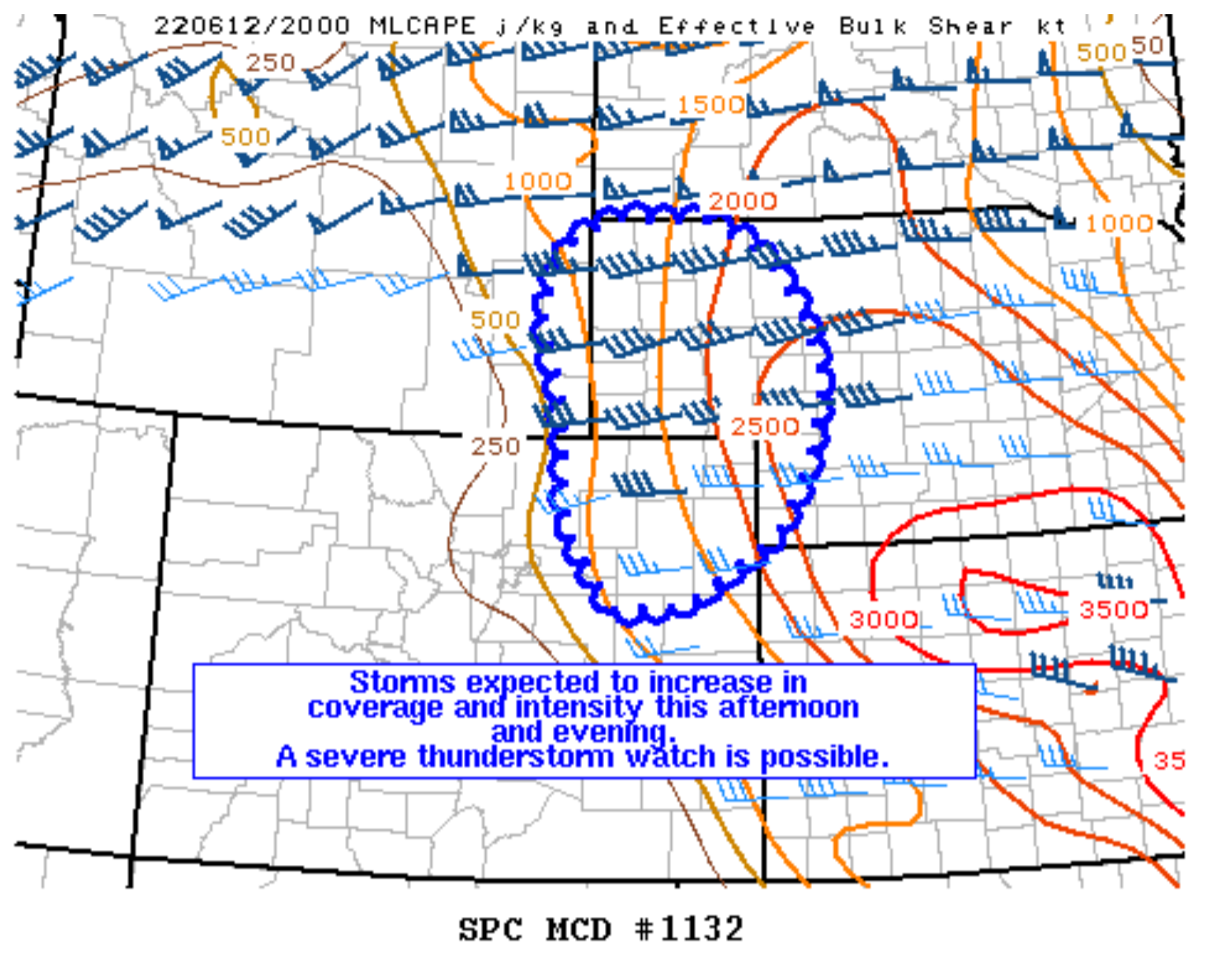
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 - Storm Reports Dev.
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Mesoscale Discussion 1132

[< Previous MD](#) [Next MD >](#)



Mesoscale Discussion 1132
NWS Storm Prediction Center Norman OK
0327 PM CDT Sun Jun 12 2022

Areas affected...northeastern Colorado...far southeastern Wyoming...and western Nebraska

Concerning...Severe potential...Watch possible

Valid 122027Z - 122230Z

Probability of Watch Issuance...60 percent

SUMMARY...Thunderstorms are expected to increase in coverage and intensity as high-based storms move eastward into a more moist/unstable environment later this afternoon and evening across northeastern Colorado and western Nebraska. These storms will pose a threat of large hail and damaging winds, so a severe thunderstorm watch is possible.

DISCUSSION...Large-scale ascent is apparent in satellite imagery from northern New Mexico into southern Wyoming, resulting in an increasing cumulus field and isolated thunderstorm development east of Denver. As the convection shifts eastward into a more moist and unstable environment, the coverage and intensity of thunderstorms are expected to increase. Given an environment characterized by over 1000 J/kg of MLCAPE and 30-40 knots of effective-layer bulk shear (stronger to the north), the initial storms may have supercell characteristics with a threat for large hail and damaging winds.

As the number of storms increases, merging outflows (aided by evaporative effects of high-based storms) should result in one or more eastward moving clusters over northeastern Colorado and the Nebraska Panhandle, posing a primary of severe damaging winds this evening.

..Jirak/Guyer.. 06/12/2022

...Please see www.spc.noaa.gov for graphic product...

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