

**Email sent to partners on December 21, 2015, 1220 CST**

Last week was relatively quiet, weather wise, but this week will be a bit more active. Thunderstorms are possible late Tuesday and early Wednesday, but are by no means guaranteed. A stronger storm system will begin to affect the area between Christmas Day and New Year's. A short PDF has been attached to show the areas depicted and additional details.

**BOTTOM LINE:** Emergency management, government officials, media, and other core emergency response partners will need to monitor forecasts and other updates concerning late night/early morning thunderstorms Tuesday/Wednesday, as well as the potential for additional storms over the next weekend. There is a risk of severe thunderstorms, mainly to the east of I-35/35E late Tuesday into early Wednesday. Keep an eye on the weekend forecast as well. The next storm system will begin to affect the area on Sunday (27th) to Tuesday, Rain is expected for North and Central Texas at this time.

**IMPACTS:** For Tuesday, severe thunderstorms could produce winds in excess of 60 mph, hail to the size of quarters to half dollars, and isolated tornadoes. Supercell thunderstorms and the higher potential for tornadoes will occur where and if thunderstorms become isolated. For this round of thunderstorms, heavy rain and flash flooding are not the primary impacts. Any water issues would be dependent on the exact location of brief downpours.

**LOCATIONS, AMOUNTS, AND TIMING:** Most areas will not see severe thunderstorms. Those that do will most likely be east of the Interstate 35/35E corridor. Thunderstorms are possible during the late afternoon or evening on Tuesday, but will be most likely between 8 PM and 5 AM Tuesday/Wednesday. It will not rain continuously this entire time, however.

**CONFIDENCE:** Confidence is low to moderate about the occurrence for severe thunderstorms Tuesday night and Wednesday. Confidence is high that widespread rain will be less than one half inch and the higher amounts will be in the east.

**ALTERNATE OUTCOMES:** The biggest alternate outcome is that severe thunderstorms do not materialize. This is a low possibility, due to the above normal moisture and temperatures.

**WEEKEND OUTLOOK:** Confidence remains high that we will see a stronger storm system move into Texas over the weekend. This storm system will be a bit stronger than the one on Tuesday and will have the potential to bring rain and thunderstorms to North and Central Texas. As of this time (Monday), we expect the winter potential for this system to stay west and north of our area.

Please don't hesitate to contact us if you have any questions or concerns.

**Email sent to partners on December 22, 2015, 1320 CST**

Good afternoon,

We continue to watch two systems for this week and weekend. The first one, will affect a few of us late tonight. The second one will leave a larger fingerprint this weekend over a larger area. This stronger storm system affects the area between Christmas Day and New Year's. A short PDF has been attached to show the areas depicted and additional details.

**BOTTOM LINE:** Emergency management, government officials, media, and other core emergency response partners will need to monitor the potential for late night/early morning thunderstorms tonight/Wednesday morning. Continue to monitor for the potential for additional heavy rainfall over the weekend. There is a risk of severe thunderstorms, mainly to the east of I-35/35E and along/north of I-20 after midnight tonight and early morning Wednesday. T

**IMPACTS:** For Tuesday, severe thunderstorms could produce winds in excess of 60 mph, hail to the size of quarters to half dollars, and isolated tornadoes. Supercell thunderstorms, and the higher potential for tornadoes will occur where and if thunderstorms become isolated.

For the weekend, urban/small stream flooding, flash flooding, and river flooding will be the primary concern due to widespread heavy rain..

**LOCATIONS, AMOUNTS, AND TIMING:** (Tonight) Most areas will not see severe thunderstorms. Those that do will most likely be east of the Interstate 35/35E corridor and along and near the I-20 corridor. The potential for severe thunderstorms will be the highest between Midnight and 4 AM.

**CONFIDENCE:** Confidence is low concerning the occurrence of severe thunderstorms Tuesday night and Wednesday. Confidence is high that widespread rain will be less than one half inch: with the highest amounts in the northeast.

**ALTERNATE OUTCOMES:** There is a possibility that no thunderstorms develop over our area. It is safe to assume, however, any thunderstorm which can develop will have the potential to become severe.

**WEEKEND OUTLOOK:** Confidence remains high that we will see a stronger storm system move into Texas over the weekend. This storm system will be a bit stronger than the one tonight and will bring rain and thunderstorms to North and Central Texas. As of this time (Tuesday), we expect the winter potential for this system to stay west and north of our area. While a remote possibility, IF the storm system is colder than currently forecast, the dividing line between rain and wintry precipitation would be closer to our area, especially near the Red River. As of Tuesday, this appears to be an extremely low possibility.

Please don't hesitate to contact us if you have any questions or concerns.

**Email sent to partners on December 23, 2015, 1325 CST**

Good afternoon everyone,

This will serve as a brief heads up on a significant storm system that we now expect to impact North and Central Texas this weekend through Monday of next week. Mark Fox, our Warning Coordination Meteorologist, will be sending a more detailed email this evening, with a follow up briefing tomorrow.

**BOTTOM LINE:** North and Central Texas will face a threat of flooding this weekend, and, at this stage, a limited threat of winter precipitation. Emergency management, government officials, and our media partners need to be prepared for response activities from Saturday through Monday.

A powerful upper level storm will move out of Arizona and New Mexico this coming weekend, and across the Southern Plains States on Monday/Monday night. Precipitation will break out across the region on Saturday, and the threat for heavy rainfall, flash flooding and main stem river flooding will exist for all of North and Central Texas from late Saturday through Monday. Some portions of our area may receive several inches of rainfall over the 3 day period.

In addition, there is now a limited threat for winter precipitation - mainly in the form of snow - for the western and far northern portions of our forecast area. The main time period for the threat of snow (if it occurs) would be late Sunday night through Monday. We stress that there is significant uncertainty on the track of this upper level storm, as well as the cold air that will accompany it. It is too early to predict amounts and locations with any realistic precision. However, there are enough indications from the array of models at our disposal to warrant a heads up on the potential for snow.

As I mentioned, Mark Fox and I will be putting out additional messages on this evolving event this evening, and throughout the remainder of the week. Again: The primary threat will be heavy rainfall and flooding. We're more confident about this threat. The winter threat is much, much less certain, but sufficient to warrant some mention at this point for your awareness.

The entire staff of NWS WFO Dallas Fort Worth is working to provide the best forecast we possibly can for this upcoming event. Our staff will be putting out additional statements, graphical products, and discussions over the next several days. If you have any questions whatsoever, please don't hesitate to call our office, or contact us via NWSChat.

**Email sent to partners on December 23, 2015, 1904 CST**

Good evening

We continue to watch an approaching storm system that will produce rounds of rainfall, thunderstorms, and heavy rainfall over the weekend. This system is quite strong, and will likely end with the potential for light snow or a rain/snow mix before moving away from the area. A short PDF has been attached to show the areas depicted and additional details.

**BOTTOM LINE:** Emergency management, government officials, media, and other core emergency response partners will need to monitor the potential for several rounds of rainfall and possible flooding on Saturday and Sunday, followed by the potential for snow or a rain/snow mixture late Sunday and early Monday morning. Decisions need not be made about the potential for wintry precipitation, other than to continue to monitor the forecast for updates about locations and timing.

**IMPACTS:**

**Saturday:** Strong to possibly severe thunderstorms could bring urban and flash flooding for any area which receives more than 1/2 inch of rainfall. River flooding will also be a concern. Severe thunderstorms, if any, could produce wind gusts to near 60 mph and hail to the size of quarters. In addition to these impacts, travel, especially air travel, will be delayed.

**Sunday:** Urban, flash, and River Flooding possible through the day and evening. Travel could be delayed due to additional rainfall, as well as from storms from other areas.

**Sunday Night and Monday:** Frozen precipitation, likely in the form of snow or a rain/snow mixture is possible. Slick roads, and especially slick bridges and overpasses are possible.

Impacts from any frozen precipitation are expected to be less than those from heavy rain/flooding.

**LOCATIONS, AMOUNTS, AND TIMING:** Please see the attachment for details. In general, the potential for heavy rainfall is highest east of line from Bowie to Palestine on Saturday and Sunday. The potential for snow or rain/snow mix is highest west of a line from Eastland to Sherman late Sunday and early Monday

**CONFIDENCE:** Confidence is increasing that this storm will have several impacts on North and Central Texas. Confidence is highest in the potential for rain and heavy rain, and is lowest for the potential for snow or the rain/snow mix.

**ALTERNATE OUTCOMES:** Several. This system is similar to the Christmas Eve storm of 2009, which brought thunderstorms, followed by wintry precipitation. However, there are many differences from that storm, which brought more snow than we are expecting now.

Is rain guaranteed: Yes. As much as we meteorologists can guarantee ;-)

Is snow guaranteed: No.

Is flooding guaranteed? If so, where? Likely yes. Flooding will be possible for anywhere that receives over one half inch of rain in any one day. Most areas have forecast amounts this high.

Will there be severe weather? Possible in some areas, especially on Saturday.

When will you send out another email update? You're asking already? We will send another update during the day tomorrow (Christmas Eve), and then again late in the day on Christmas Day.

Please don't hesitate to contact us if you have any questions or concerns.

**Email sent to partners on December 24, 2015, 1124 CST**

Good evening

We continue to watch an approaching storm system that will produce rounds of rainfall, thunderstorms, and heavy rainfall over the weekend. This system is quite strong, and will likely end with the potential for light snow or a rain/snow mix before moving away from the area. A short PDF has been attached to show the areas depicted and additional details.

**BOTTOM LINE:** Emergency management, government officials, media, and other core emergency response partners will need to respond to several rounds of rainfall and possible flooding on Saturday and Sunday. As the system winds down on Monday, there will be the potential for snow or a rain/snow mixture late Sunday and early Monday morning.

**IMPACTS:**

**Saturday:** Strong or severe thunderstorms could bring urban and flash flooding for any area which receives more than 1/2 inch of rainfall. River flooding will also be a concern. Severe thunderstorms, if any, could produce wind gusts to near 60 mph and hail to the size of quarters and isolated tornadoes. In addition to these impacts, travel, especially air travel, will be delayed.

**Note:** The River forecasts, beginning Friday, will incorporate 48 hours worth of forecast rainfall; usually only 12 hours' worth of rainfall are used. In general, runoff of more than 3 inches in the Lake Lewisville and Lake Grapevine basins could cause the lakes to rise to the spillways. We remain in close contact with the WGRFC and will monitor this closely.

**Sunday:** Urban, flash, and River Flooding possible through the day and evening. Travel could be delayed due to additional rainfall, as well as from storms from other areas.

**Sunday Night and Monday:** Frozen precipitation, likely in the form of snow or a rain/snow mixture is possible. Slick roads, and especially slick bridges and overpasses are possible.

**Main thing about the impacts:** Flooding will likely be the bigger impact than impacts from frozen precipitation.

**LOCATIONS, AMOUNTS, AND TIMING:** Please see the attachment for details. In general, the potential for heavy rainfall is highest east of line from Bowie to Palestine on Saturday and Sunday. The potential for snow or rain/snow mix is highest west of a line from Lampasas to Sherman late Sunday and early Monday

**CONFIDENCE:** Confidence is increasing that this storm will have several impacts on North and Central Texas. Confidence is highest in the potential for rain and heavy rain, and is lowest for the potential for snow or the rain/snow mix.

ALTERNATE OUTCOMES: Several. This system is similar to the Christmas Eve storm of 2009, which brought thunderstorms, followed by wintry precipitation. However, there are many differences from that storm, which brought more snow than we are expecting now.

Is rain guaranteed: Yes. As much as we meteorologists can guarantee ;-)

Is snow guaranteed: No.

Is flooding guaranteed? If so, where? Likely yes. Flooding will be possible for anywhere that receives over one half inch of rain in any one day. Most areas have forecast amounts at least this high. The highest potential for flooding and/or flash flooding will be in Fannin, Hunt, Hopkins, Delta, and Lamar Counties.

So if I am not in these counties, I'm fine? No. The risk is just higher in those counties.

Will there be severe weather? Possible in some areas, especially on Saturday.

Will there be tornadoes? Possible, especially Saturday.

When will you send out another email update? You're asking again? We will update through email after 3 PM on Christmas Day.

Please don't hesitate to contact us if you have any questions or concerns.

**Email sent to partners on December 25, 2015, 1417 CST**

Good evening

We continue to watch an approaching storm system that will produce rounds of heavy rain and severe thunderstorms over the weekend. This system is quite strong, and will end with the potential for light snow or a rain/snow mix before moving away from the area. A short PDF has been attached to show the areas depicted and additional details.

**BOTTOM LINE:** Emergency management, government officials, media, and other core emergency response partners should finalize preparations to respond to several rounds of rainfall and possible flooding on Saturday and Sunday. As the system winds down, there will be the potential for snow or a rain/snow mixture late Sunday and early Monday morning.

**IMPACTS:**

**Saturday:** Strong or severe thunderstorms could bring urban and flash flooding for any area which receives more than 1/2 inch of rainfall. River flooding will also be a concern. Severe thunderstorms, could produce wind gusts to near 60 mph and hail to the size of quarters and tornadoes. In addition to these impacts, travel, especially air travel, will be delayed due to thunderstorms and/or ground stops due to lightning.

**Note:** The River forecasts are now incorporating 48 hours' worth of forecast rainfall; usually only 12 hours' worth of rainfall are used. In general, runoff of more than 3 inches in the Lake Lewisville and Lake Grapevine basins could cause the lakes to rise to the spillways. We remain in close contact with the WGRFC and will monitor this closely.

**Sunday:** Urban, flash, and River Flooding likely through the day and evening. Severe Thunderstorms will be possible, including the potential for damaging winds and tornadoes. Travel could be delayed due to additional rainfall, as well as from storms from other areas.

**Sunday Night and Monday:** Frozen precipitation, likely in the form of snow, a rain/snow mixture, or freezing drizzle, is possible. Slick roads, especially slick bridges and overpasses are possible.

**Main thing about the impacts:** Flooding will likely be the bigger impact than impacts from frozen precipitation for most areas.

**LOCATIONS, AMOUNTS, AND TIMING:** Please see the attachment for details. In general, the potential for heavy rainfall is highest east of line from Bowie to Palestine on Saturday and Sunday. The potential for snow or rain/snow mix is highest west of a line from Lampasas to Sherman late Sunday and early Monday. The highest potential for accumulating snow will be to the west of a line from Comanche to Bowie. This includes the I-20 corridor and Ranger Hill.



Severe thunderstorms are possible on Saturday from the mid morning through the early evening hours. On Sunday, severe thunderstorms are possible from mid morning through late afternoon. Frozen precipitation will be possible from 6 PM Sunday through Noon Monday.

CONFIDENCE: Confidence remains high that this storm will have several impacts on North and Central Texas. Confidence is highest in the potential for rain and heavy rain, and is lowest for the potential for snow or the rain/snow mix.

ALTERNATE OUTCOMES: Several. This system is similar to the Christmas Eve storm of 2009, which brought thunderstorms, followed by wintry precipitation. However, there are many differences from that storm, which brought more snow than we are expecting now.

Is rain guaranteed: Yes. As much as we meteorologists can guarantee ;-)

Is snow guaranteed: No.

Is flooding guaranteed? If so, where? Likely yes. Flooding will be possible for anywhere that receives over one half inch of rain in any one day. Most areas have forecast amounts at least this high. The highest potential for flooding and/or flash flooding will be in Fannin, Hunt, Hopkins, Delta, and Lamar Counties.

So if I am not in these counties, I'm fine? No. The risk is just higher in those counties.

Will there be severe weather? Possible in some areas, especially on Saturday.

Will there be tornadoes? Possible, especially Saturday. Depending on where the front stalls, there will be the potential on Sunday as well.

When will you send out another email update? We will send another update late in the day on Saturday.

Please don't hesitate to contact us if you have any questions or concerns.

**Email sent to partners on December 26, 2015, 1325 CST**

Good afternoon.

The first round of the weather changes is upon us. There are several scattered showers / thunderstorms across the area right now, but the majority of the widespread rainfall will occur tonight and overnight. A short PDF has been attached to show the areas depicted and additional details.

**BOTTOM LINE:** Emergency management, government officials, media, and other core emergency response partners should finalize preparations to respond to several rounds of rainfall and possible flooding on Saturday and Sunday. As the system winds down, there will be the potential for snow or a rain/snow mixture late Sunday and early Monday morning.

**IMPACTS:**

**Saturday:** Strong or severe thunderstorms could bring urban and flash flooding for any area which receives more than 1/2 inch of rainfall. River flooding will also be a concern. Severe thunderstorms, could produce wind gusts to near 60 mph and hail to the size of quarters and tornadoes. In addition to these impacts, travel, especially air travel, will be delayed due to thunderstorms and/or ground stops due to lightning.

**Note:** The River forecasts are now incorporating 48 hours' worth of forecast rainfall; usually only 12 hours' worth of rainfall are used. In general, runoff of more than 3 inches in the Lake Lewisville and Lake Grapevine basins could cause the lakes to rise to the spillways. We remain in close contact with the WGRFC and will monitor this closely.

**Sunday:** Urban, flash, and River Flooding likely through the day and evening. Severe Thunderstorms will be possible, including the potential for damaging winds and tornadoes. Travel could be delayed due to additional rainfall, as well as from storms from other areas.

**Sunday Night and Monday:** Frozen precipitation, likely in the form of snow, a rain/snow mixture, or freezing drizzle, is possible. Slick roads, especially slick bridges and overpasses are possible.

**Main thing about the impacts:** Flooding will likely be the bigger impact than impacts from frozen precipitation for most areas.

**LOCATIONS, AMOUNTS, AND TIMING:** Please see the attachment for details. In general, the potential for heavy rainfall is highest east of line from Bowie to Palestine on Saturday and Sunday. The potential for snow or rain/snow mix is highest west of a line from Lampasas to Sherman late Sunday and early Monday. The highest potential for accumulating snow will be to the west of a line from Comanche to Bowie. This includes the I-20 corridor and Ranger Hill.

Severe thunderstorms are possible on Saturday from now through the evening hours. Heavy rain and some severe thunderstorms are possible Sunday, especially during the overnight hours. Frozen precipitation will be possible from 6 PM Sunday through Noon Monday.

CONFIDENCE: Confidence remains high that this storm will have several impacts on North and Central Texas. Confidence is highest in the potential for rain and heavy rain, and is lowest for the potential for snow or the rain/snow mix.

ALTERNATE OUTCOMES: Several. This system is similar to the Christmas Eve storm of 2009, which brought thunderstorms, followed by wintry precipitation.

Is rain guaranteed: Yes. As much as we meteorologists can guarantee ;-)

Is snow guaranteed: No.

Is flooding guaranteed? If so, where? Likely yes. Flooding will be possible for anywhere that receives over one half inch of rain in any one day. Most areas have forecast amounts at least this high. The highest potential for flooding and/or flash flooding will be in Fannin, Hunt, Hopkins, Delta, and Lamar Counties.

So if I am not in these counties, I'm fine? No. The risk is just higher in those counties.

Will there be severe weather? Possible in some areas, especially on Saturday.

Will there be tornadoes? Possible, especially Saturday. Depending on where the front stalls, there will be the potential on Sunday as well.

When will you send out another email update? We will send another update around mid afternoon Sunday.

Please don't hesitate to contact us if you have any questions or concerns.