

Strong Thunderstorm Potential February 3, 2012

National Weather Service

Forecast Office – Fort Worth / Dallas

Overview

- Low clouds, fog and rain replaced by strong thunderstorms late this afternoon and evening
- Line of thunderstorms expected to develop late, with these risks, in order of likelihood:
 - Large Hail
 - Damaging Winds
 - Isolated Tornadoes (possibly within a bowing segment)

Factors for today

Favorable Conditions

- Strong system moving through the Rockies today will move across Texas tonight
- Boundary will focus energy into a line of thunderstorms
- A few discrete supercell thunderstorms are possible ahead of the front
- Cold air aloft will allow storms to grow

Unfavorable Conditions

- Low Clouds and rain this morning may limit the amount of instability this afternoon
- Upper level is cold, but wind shear may not be strong enough for widespread storms

Severe storms possible late afternoon into tonight

Storms will be capable of producing

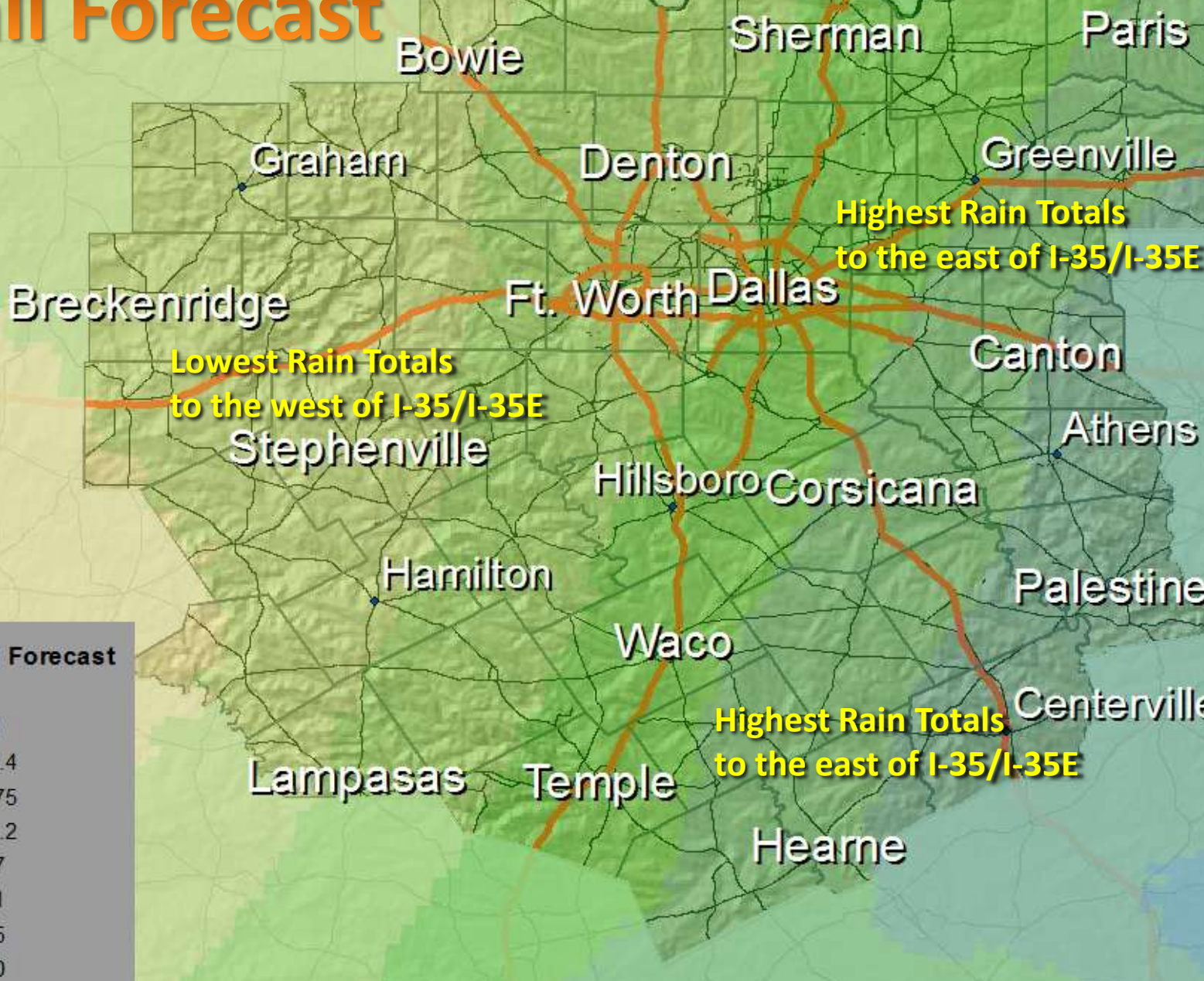
- * Damaging Winds
- * Half Dollar size Hail
- * Locally Heavy Rainfall



Scattered showers and thunderstorms today will become more numerous tonight



Rainfall Forecast



North Texas Rainfall Forecast
Friday - Sunday

- 0 to 0.13
- 0.13 to 0.4
- 0.4 to 0.75
- 0.75 to 1.2
- 1.2 to 1.7
- 1.7 to 2.1
- 2.1 to 2.5
- 2.5 to 3.0
- 3.0 to 3.5
- 3.5 to 4.25