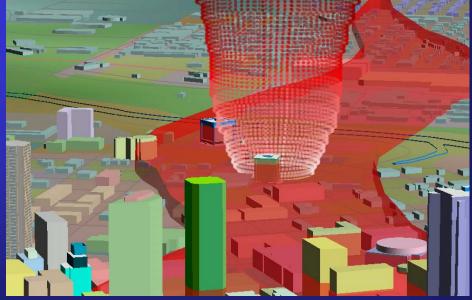
Looking Back at the Storms:

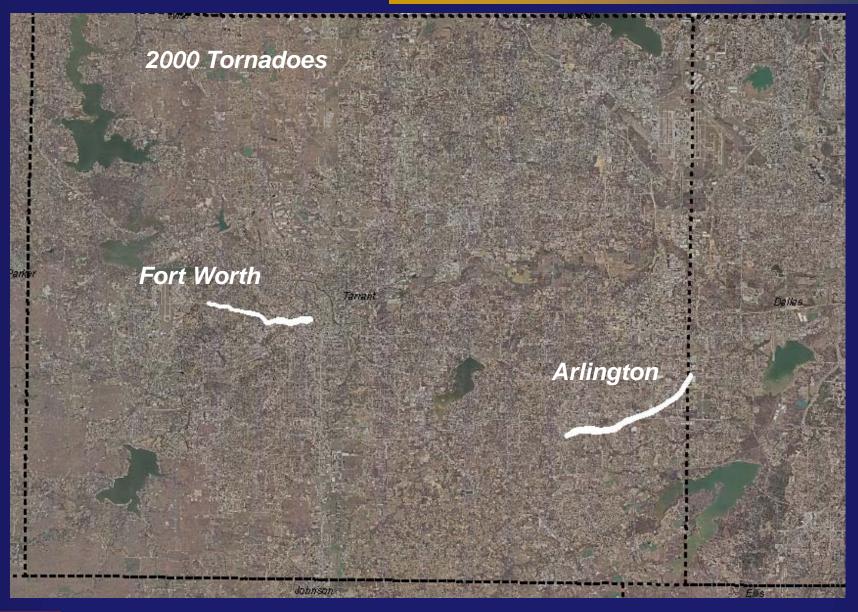
A GIS

Perspective of Tornado

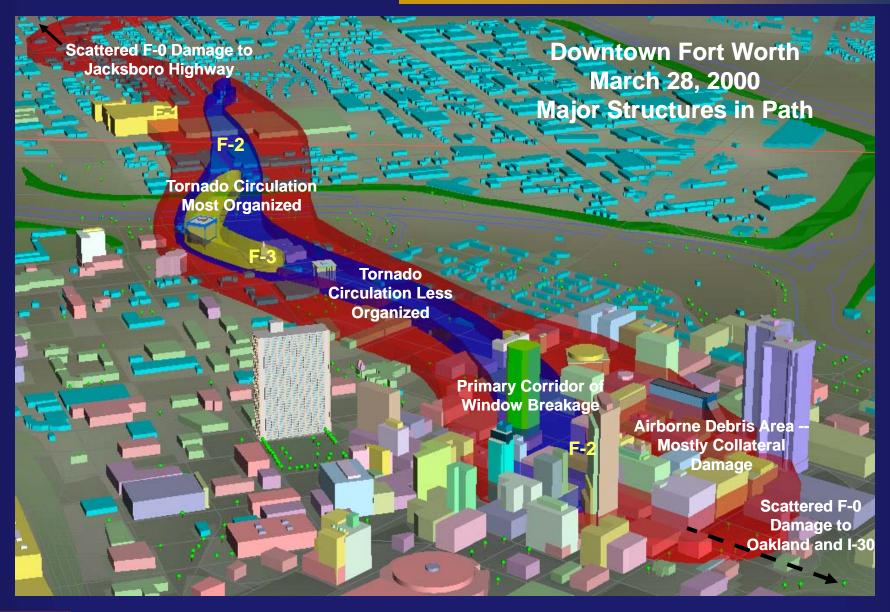
Damage



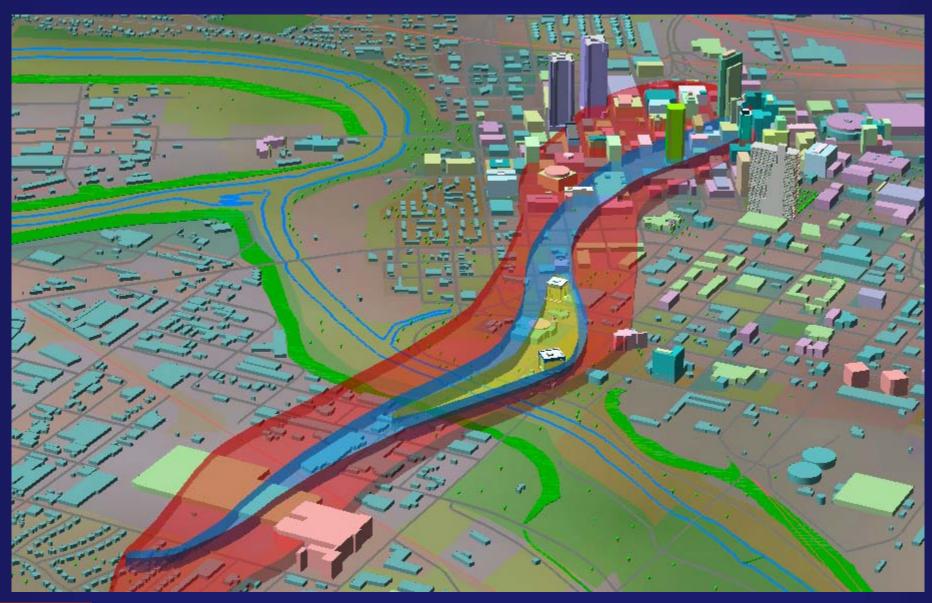












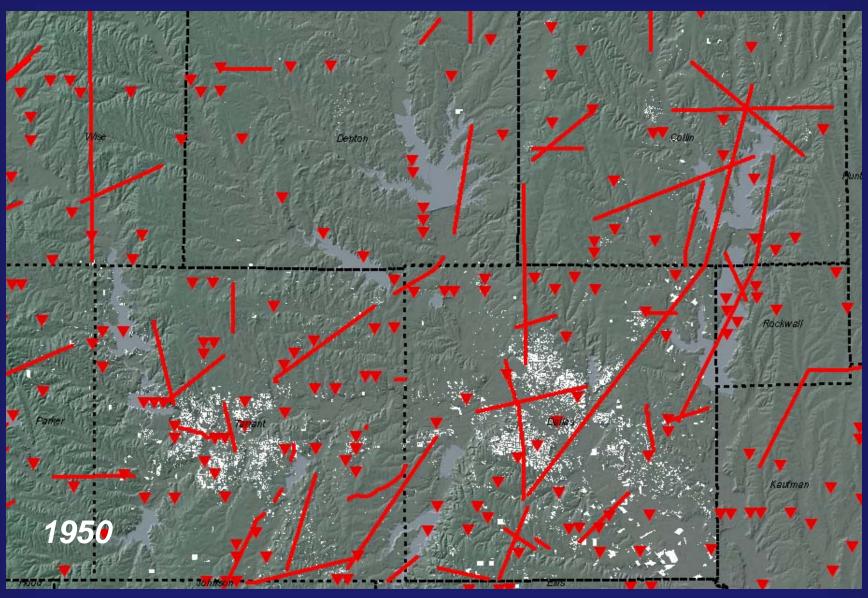




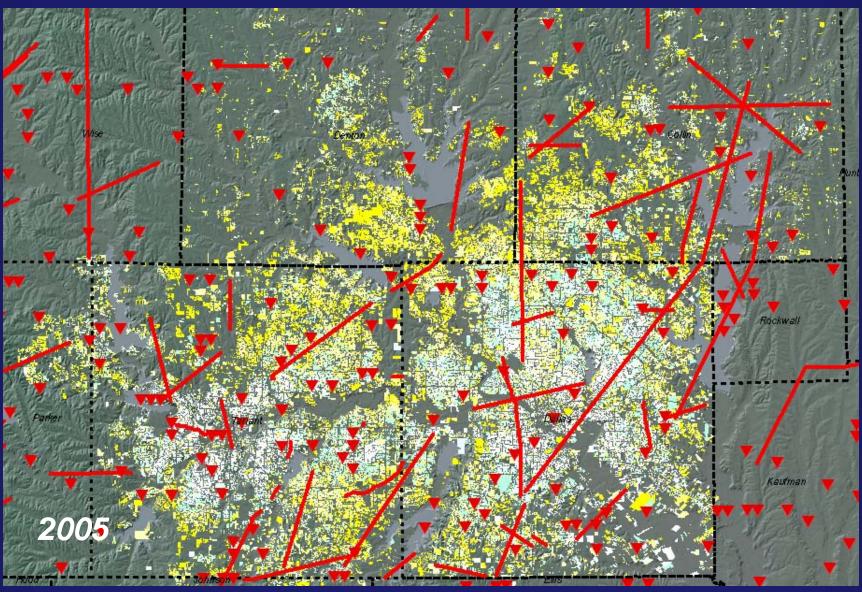






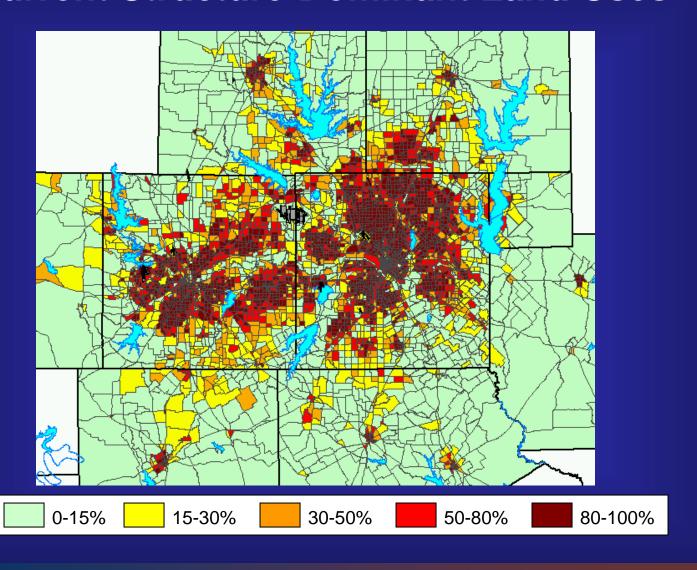






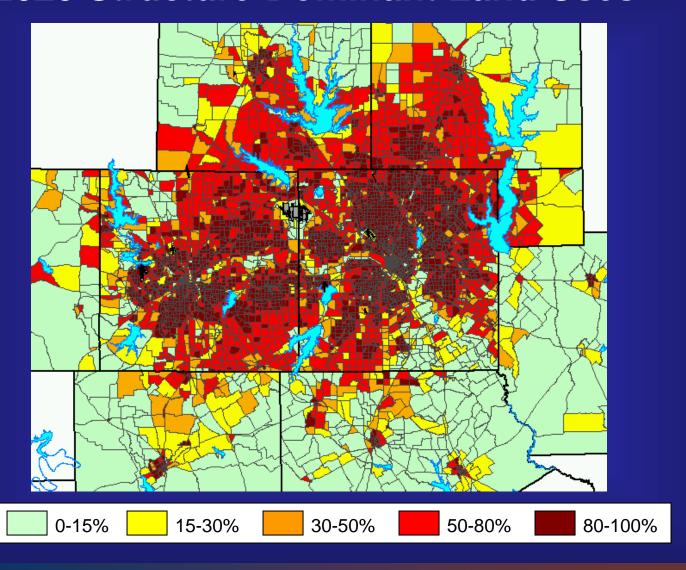


## **Current Structure-Dominant Land Uses**

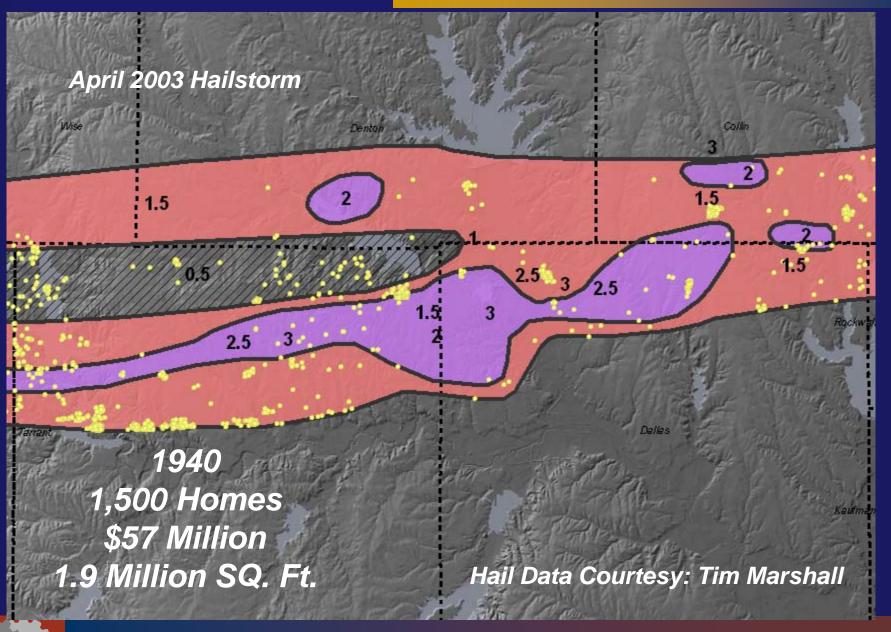




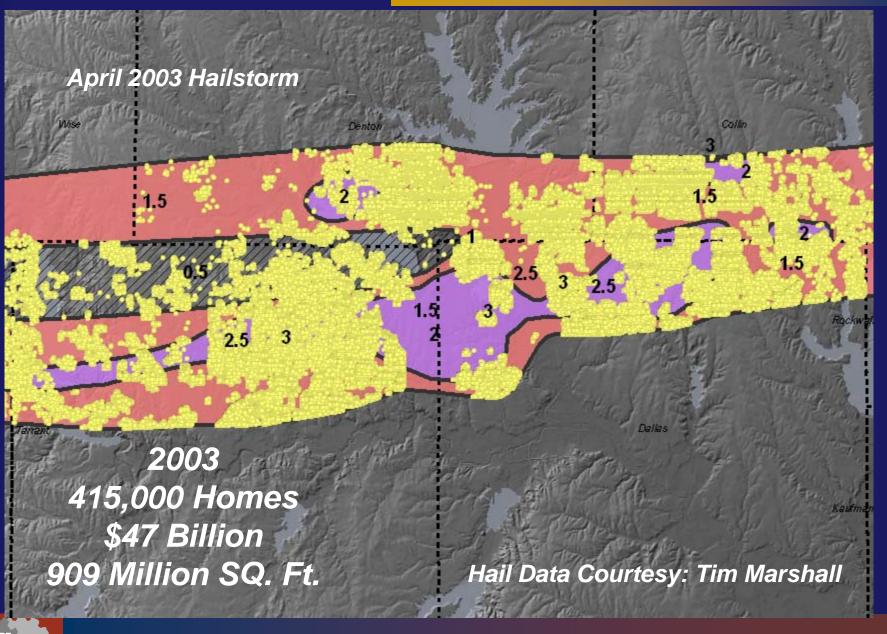
## **2025 Structure-Dominant Land Uses**









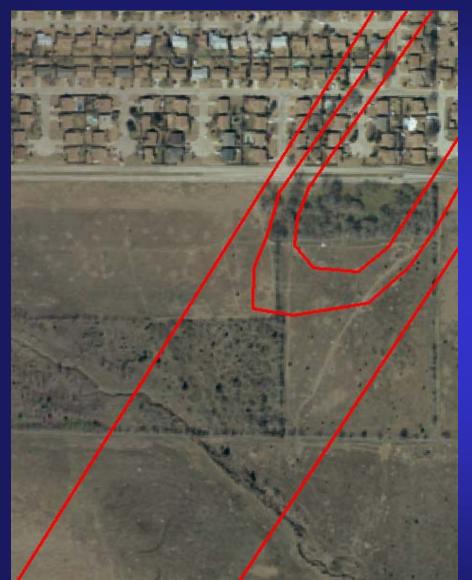


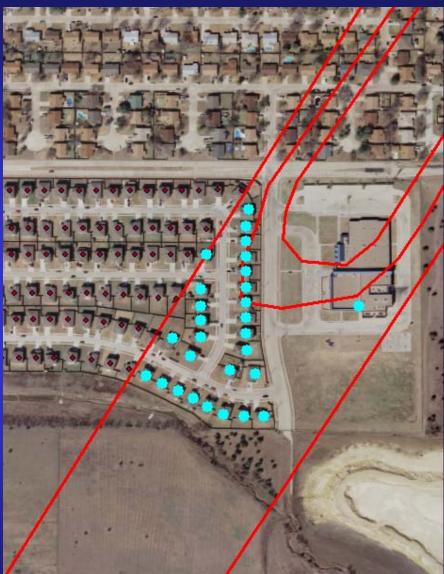






North Central Texas Council of Governments









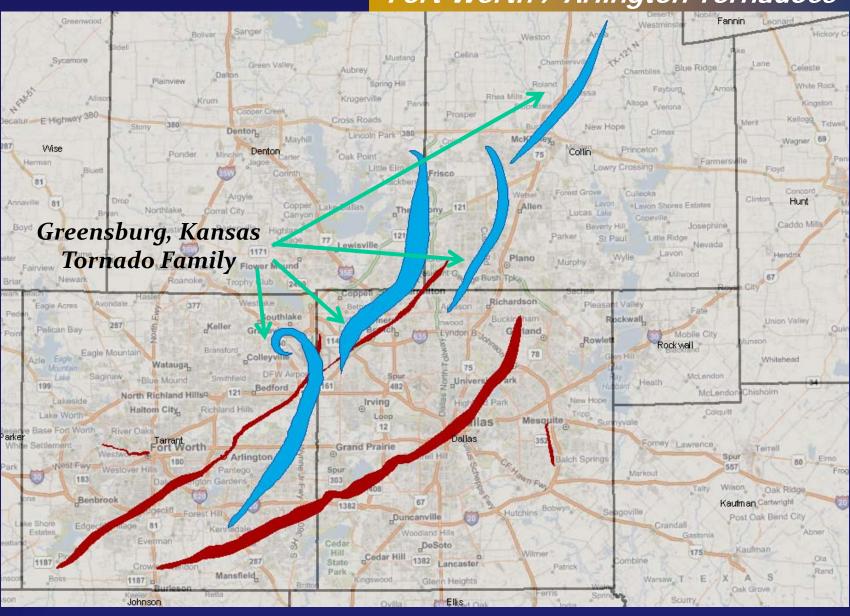




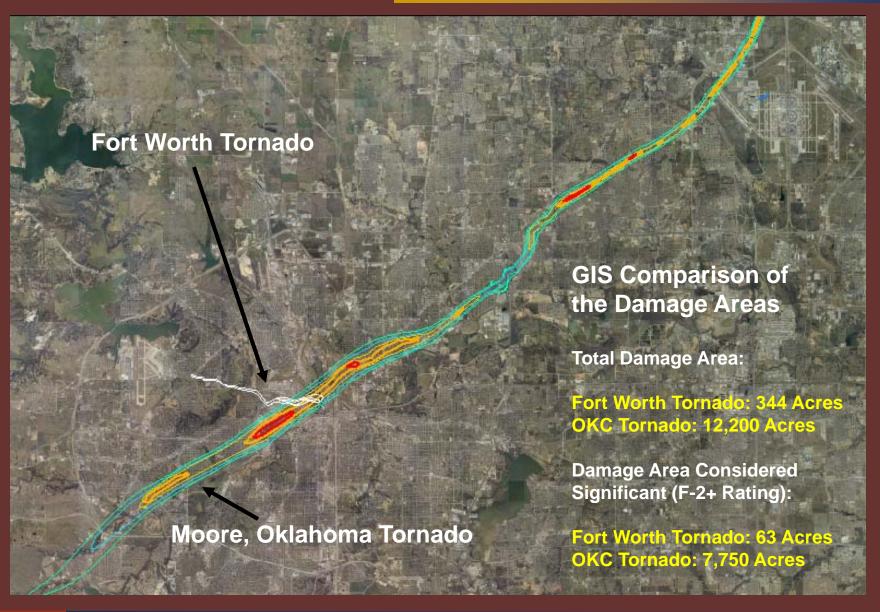




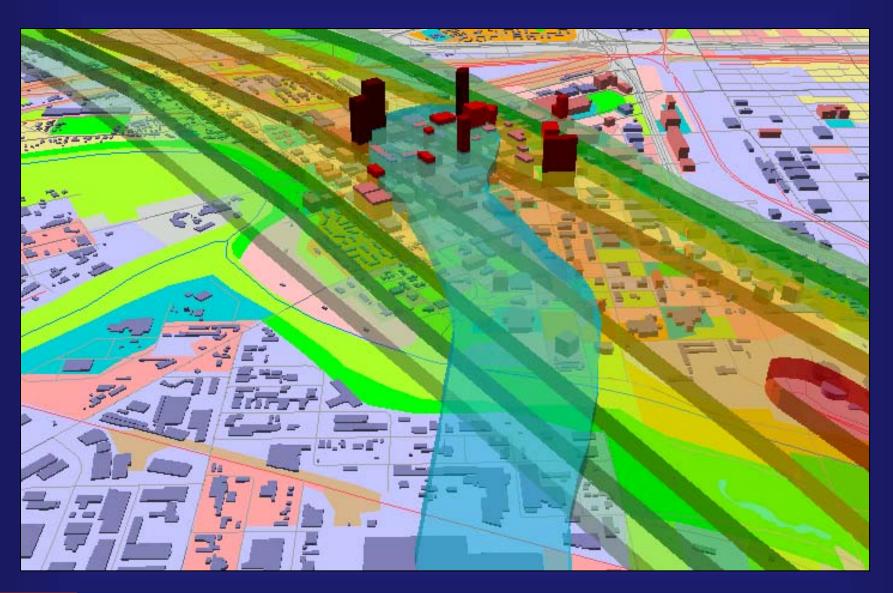




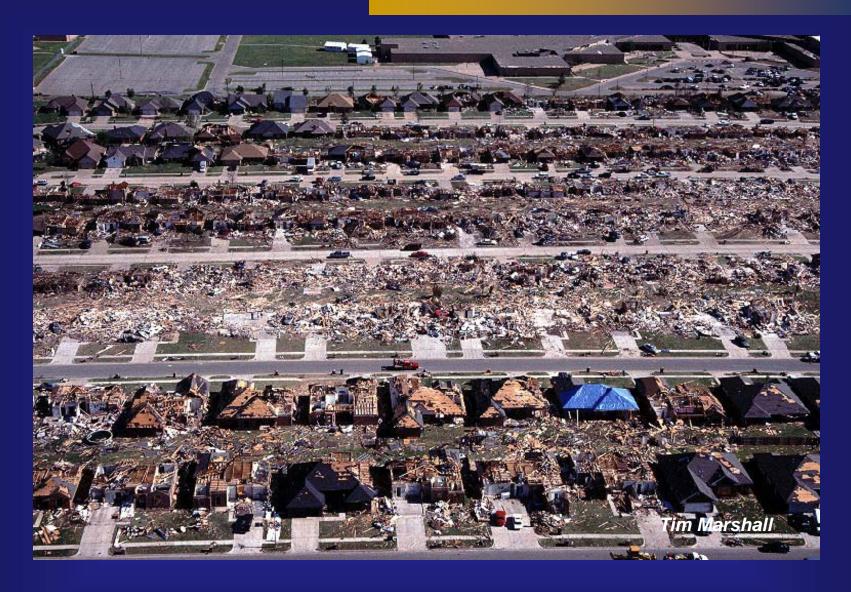






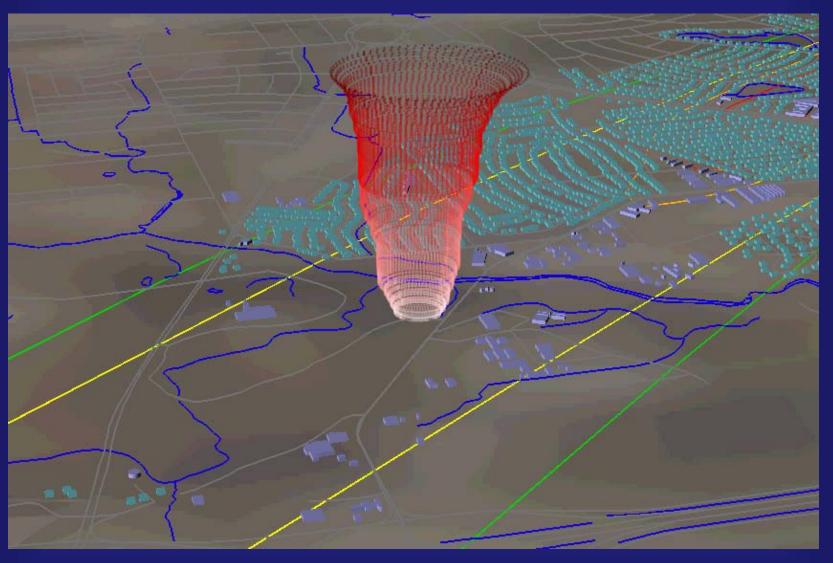








### Downtown Fort Worth Path Animation







Residents: 51,300 Employees: 64,600 Structures: 23,000

Structure Value: \$4.2 Bill.

Damages: \$2.6 Bill.

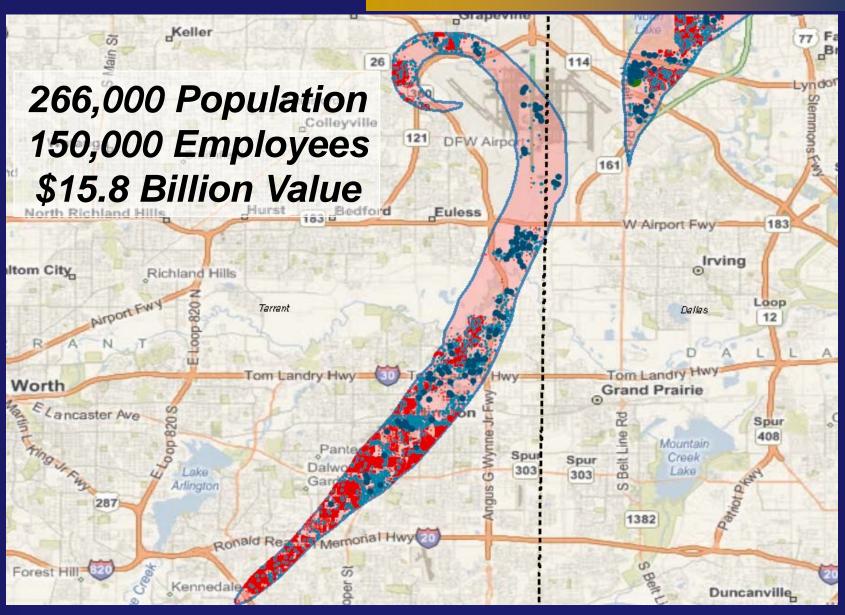
Hourly Traffic: 169,000 Normal Volume: 1,700

Traffic Jam: 79,500





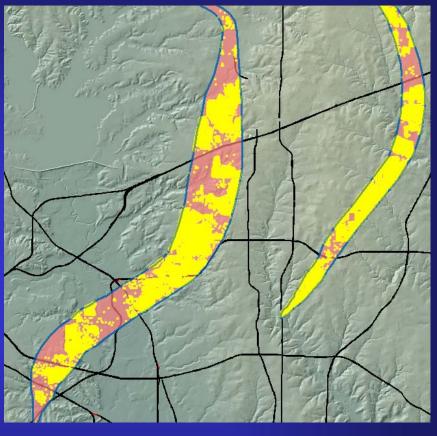






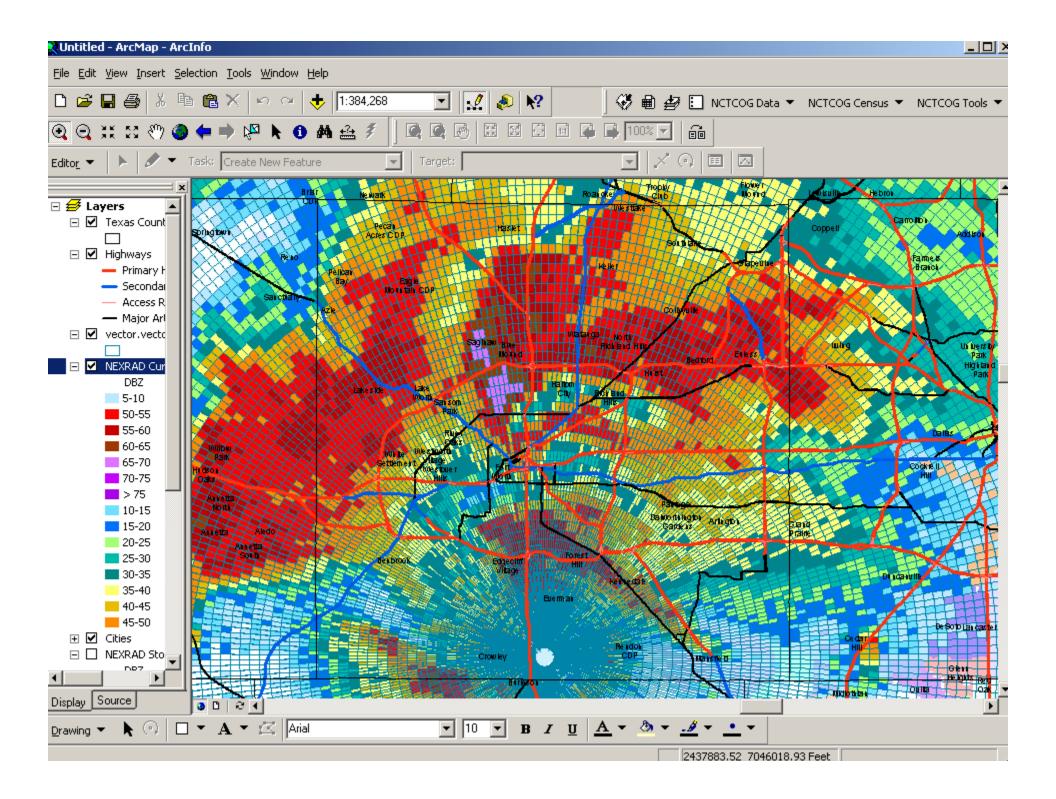
1950 2009





225 Structures \$9.2 Million 45,000 Structures \$10,100 Million























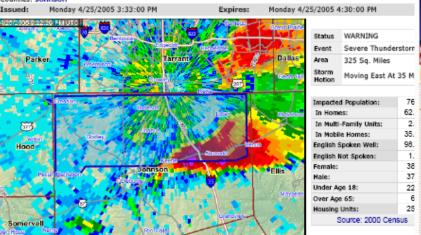








#### Severe Thunderstorm Warning Counties: Johnson



#### DESCRIPTION

\* SEVERE THUNDERSTORM WARNING FOR...
NORTHERN JOHNSON COUNTY IN NORTH CENTRAL TEXAS

Severe Thunderstorm Warning - HFWD SV.0094 2005 - 3:33 PM

\* At 334 PM CDT... National Weather Service Doppler Radar Detected A Severe Thunderstorm Located 13 Miles West Of Godley... Or Near Granbury... And Moving East At 35 Mph. This Storm Was Capable Of Producing Nickel Size Hail... And Damaging Winds In Excess Of 60 Mph.

#### TIMING

\* THE SEVERE THUNDERSTORM WILL BE NEAR... GODLEY BY 345 PM JOSHUA BY 400 PM BURLESON BY 405 PM 9 MILE: NORTH OF ALVARADO BY 415 PM 9 MILES NORTH OF VENUS BY 425 PM FOR YOUR PROTECTION MOVE TO A STURDY SHELTER UNTIL THE STORM PASSES. IF YOU ARE CAUGHT OUTSIDE...SEEK SHELTER IN A STRONG BUILDING AND STA INSIDE...AWAY FROM WINDOWS UNTIL THE STORM HAS PASSED. A TORNADO WATCH IS IN EFFECT FOR THE WARNIN AREA. SEVERE THUNDERSTORMS CAN PRODUCE TORNADOES WITH LITTLE OR NO WARNING.

#### POPULATION IN WARNING AREA (Up to 10 Top Populations Listed)

City/Location	County	Persons		Gen	der	Housing	Age			
	Johnson	46,469	Male		Female		Units	Under 18	Ove	
1. County Land			50.6%	23,502	49.4%	22,967	15,446	30%		
2. Burleson	Johnson	16,289	48.6%	7,914	51.4%	8,375	5,897	29%		
3. Joshua	Johnson	4,528	49.6%	2,247	50.4%	2,281	1,610	30%		
4. Alvarado	Johnson	2,917	49.3%	1,437	50.7%	1,480	1,038	29%		
5. Keene	Johnson	2,155	45.8%	987	54.2%	1,168	680	26%		

# National Weather Service Forecast Office Fort Worth, TX Site Map News Organization Search Enter Search Here Go North Texas Graphical Warning Information Friday, June 04, 2004 5:22:27 PM (Experimental)

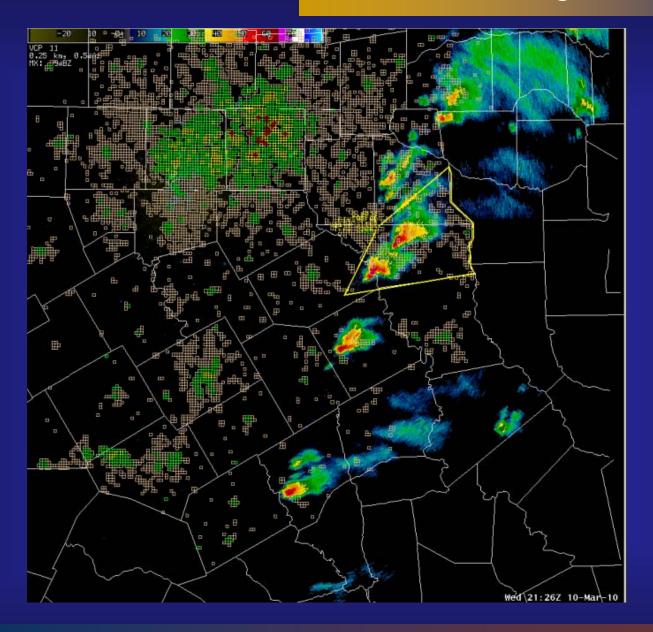


#### DESCRIPTION

- \* At 523 PM CDT... National Weather Service Doppler Radar Detected A Severe Thunderstorm Over Dublin... Moving Northeast At 10 Mph.
- Hall To The Size Of Golfballs And Wind Gusts To 60 Mph Are Likely. For Your Protection Move To A Sturdy Shelter And Stay Away From Windows Until The Storm Passes.
- \* THE SEVERE THUNDERSTORM WILL BE NEAR... STEPHENVILLE AROUND 545 PM CDT

City/Location	County	Persons	Sex.			Persons by Age (Years)								
			Male	Female	<5	5-14	15-24	25-34	35-44	45-54	55-64	65+		
. Stephenville	Erath	14,821	47.6%	52.4%	6%	11%	29%	13%	11%	9%	6%	219		
2. County Land	Erath	9,066	51.7%	48.3%	7%	15%	17%	13%	15%	13%	9%	189		
3. Dublin	Erath	3,764	47.6%	52.4%	8%	18%	14%	13%	13%	11%	7%	229		
4. County Land	Comanohe	44	52.3%	47.7%	9%	9%	16%	11%	9%	14%	23%	113		
Total of 4 Locations		27,785												







## **Lessons Learned**

- Location Location
- Growth is Meeting Risk
- Tornadoes Relatively Small
- Are We Ready for Bigger Storms?
- Information/Tools Improved





