

Hail



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Flooding



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Straight-line Wind vs. Tornado



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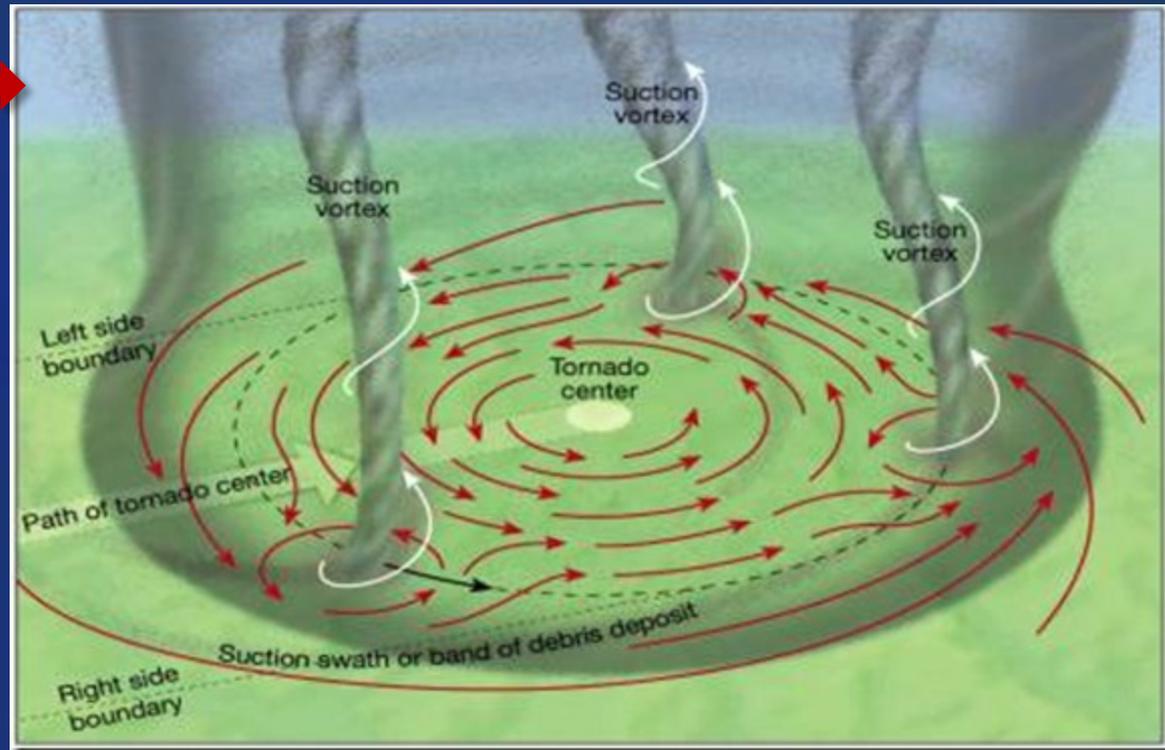
It's Complicated...

- Tornadic thunderstorms can also produce damaging straight-line winds
- Straight-line winds can produce eddies that may result in tornado-like damage
 - “Gustnadoes”



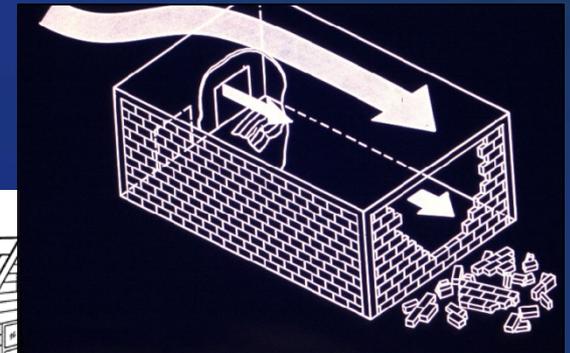
It's Complicated...

- Forward speed of tornado
- Landscape along track (vegetation, buildings)
- Debris
- Vorticies →

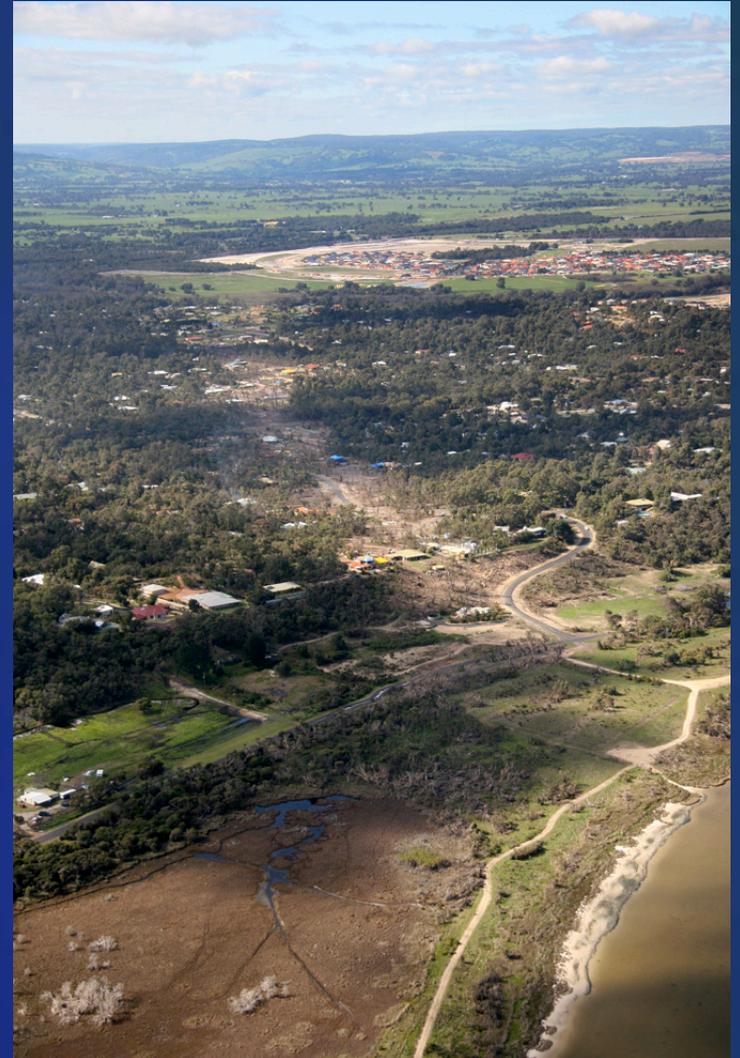


Wind is Wind

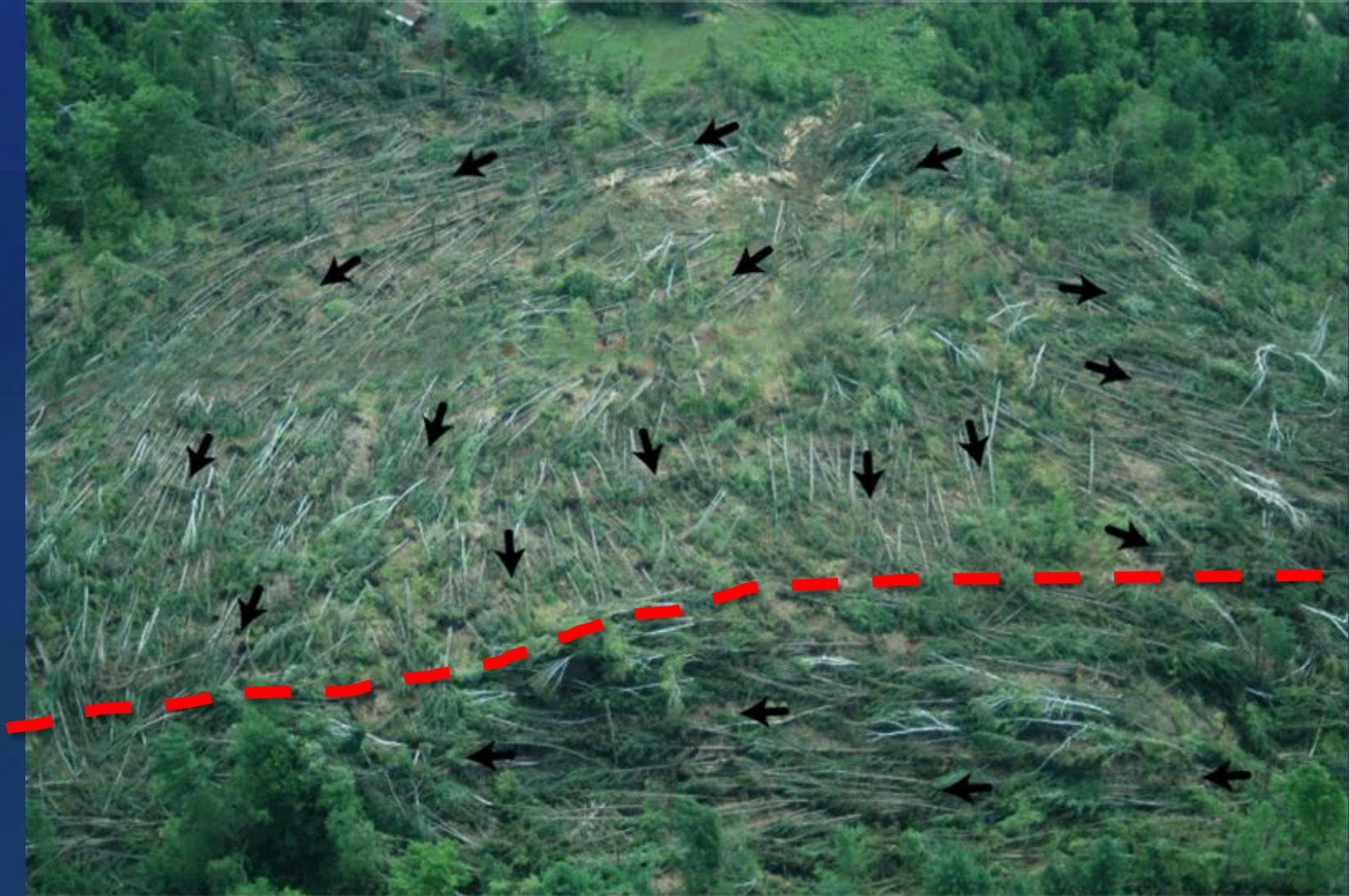
- Need to determine peak speeds, damage paths, patterns, etc. but...
 - Duration
 - Orientation
 - What is impacted? (Design? Age? Quality?)
 - Terrain (local enhancements)
 - Missiles / Flying debris



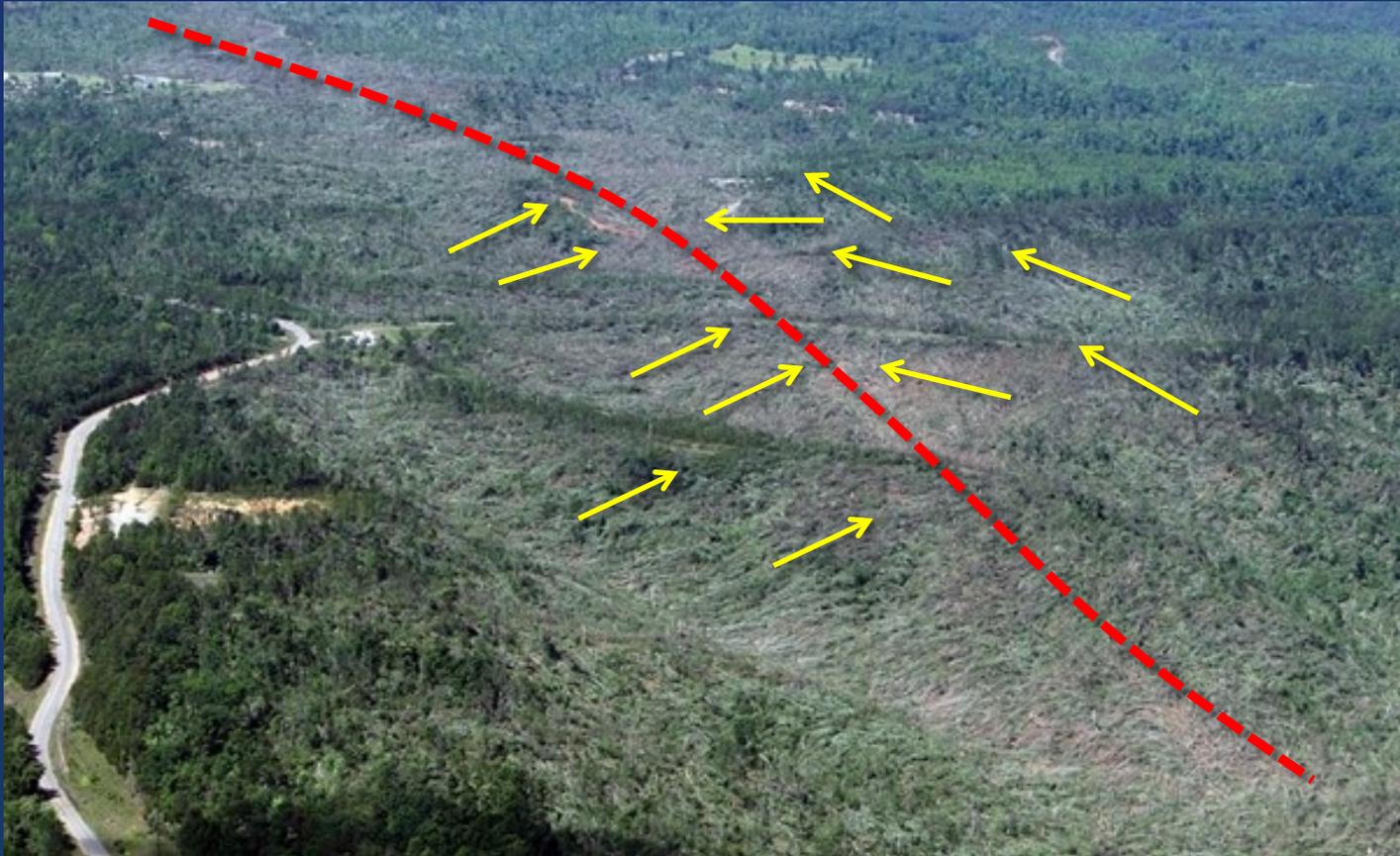
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NOTE: Damage pattern is not always symmetrical or balanced