

Appendix C: Severe Weather Descriptors

| <i>Hail Diameter</i> | <i>Size Description</i> |
|-------------------------------|--------------------------|
| 1/4" | Pea |
| 1/2" | Small marble |
| 3/4" (severe criteria) | Dime or penny |
| 7/8" | Nickel |
| 1" | Quarter |
| 1 1/4" | Half dollar |
| 1 1/2" | Walnut or Ping-pong ball |
| 1 3/4" | Golfball |
| 2" | Hen egg |
| 2 1/2" | Tennis ball |
| 2 3/4" | Baseball |
| 4" | Grapefruit |
| 4 1/2" | Softball |

| <i>F-Scale</i> | <i>Wind Speed</i> | <i>Damage Description</i> |
|----------------|------------------------------|---|
| N/A | 25-31 mph | Large branches in motion; whistling in overhead utility wires |
| N/A | 32-38 mph | Whole trees in motion; inconvenience walking against wind |
| F0 | 39-54 mph (Light) | Twigs break off trees; generally impedes progress |
| F0 | 55-72 mph (Light) | Some damage to chimneys and TV antennas; pushes over shallow-rooted trees (severe criteria: 58 mph) |
| F1 | 73-112 mph (Moderate) | Peels surface off roofs; windows broken; light mobile homes pushed or overturned; some trees uprooted or snapped; moving automobiles pushed off road |
| F2 | 113-157 mph (Significant) | Roofs torn off frame homes; weak buildings and mobile homes destroyed; large trees snapped or uprooted; railroad boxcars pushed over; cars blown off highway |
| F3 | 158-206 mph (Severe) | Roofs and some walls torn off frame homes; some rural buildings completely demolished; trains overturned; steel-framed hangars and warehouses torn; cars lifted off the ground; most forestry trees uprooted, snapped, or leveled |
| F4 | 207-260 mph (Devastating) | Well-constructed frame houses leveled, leaving piles of debris; steel structures badly damaged; trees debarked by flying debris; sandy soil eroded; cars and trains thrown or rolled considerable distances; large missiles generated |
| F5 | 261-318 mph (Incredible) | Strong frame houses lifted off foundations and disintegrate; steel-reinforced concrete structures badly damaged; vehicle-sized missiles generated; incredible phenomena can occur |
| F6 | 319 mph + (Catastrophic) | Inconceivable! An F6 tornado has never been observed. |