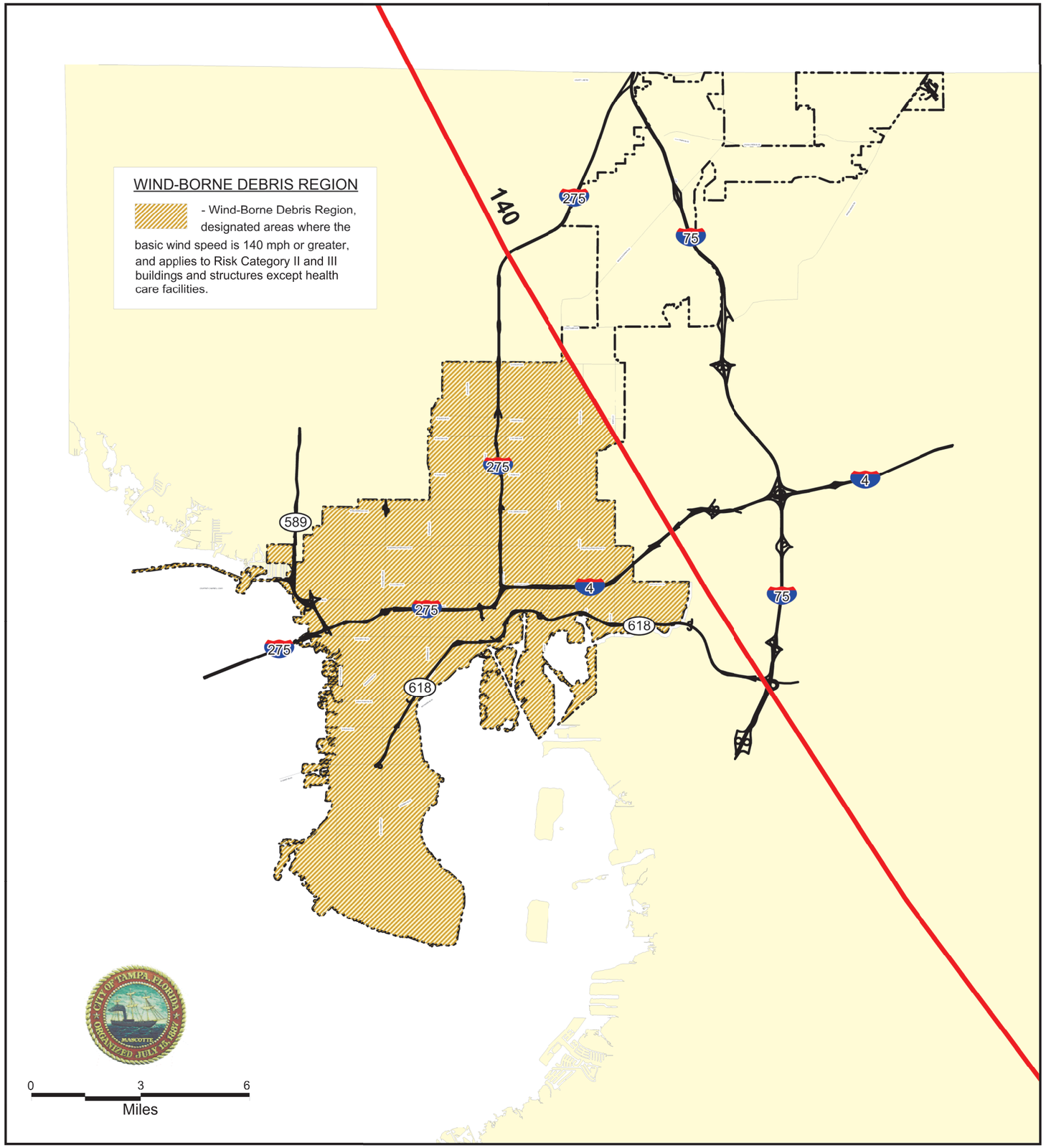
HILLSBOROUGH

Figure 1609A
Ultimate Design Wind Speeds
Risk Category II Buildings and Structures



BASIC WIND SPEED. The basic wind speed in miles per hour, for the development of wind loads, shall be determined from Figure 1609. The exact location of wind speed lines shall be established by local ordinance using recognized physical landmarks such as major roads, canals, rivers and lake shores whenever possible.

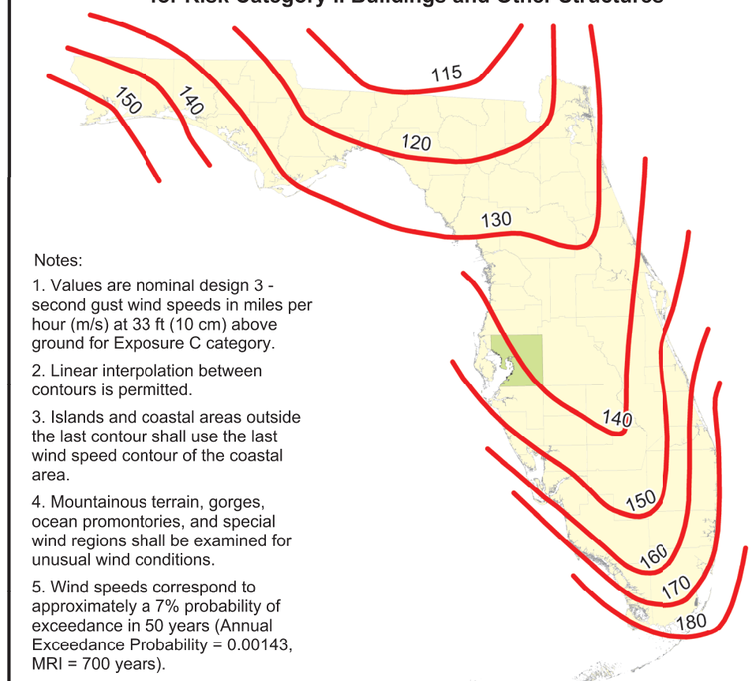
WIND-BORNE DEBRIS REGION. Areas within hurricane-prone regions located:

1. Within 1 mile (1.61 km) of the coastal mean high water line where the ultimate design wind speed Vult is 130 mph (48 m/s) or greater; or
2. In areas where the ultimate desgin wind speed Vult is 140 mph (53 m/s) or greater.

For Risk Category II buildings and structures and Risk Category III buildings and structures, except health care facilities, the windborne debris region shall be based on Figure 1609A. For Risk Category IV buildings and structures and Risk Category III health care facilities, the windborne debris region shall be based on Figure 1609B.

Notes:
1. See Table 1604.5 for Risk Category Designations.
2. For more information, go to the following web site: https://www.atcouncil.org/windspeed/

Figure 1609A Ultimate Design Wind Speeds, for Risk Category II Buildings and Other Structures



Notes:

1. Values are nominal design 3 - second gust wind speeds in miles per hour (m/s) at 33 ft (10 cm) above ground for Exposure C category.
2. Linear interpolation between contours is permitted.
3. Islands and coastal areas outside the last contour shall use the last wind speed contour of the coastal area.
4. Mountainous terrain, gorges, ocean promontories, and special wind regions shall be examined for unusual wind conditions.
5. Wind speeds correspond to approximately a 7% probability of exceedance in 50 years (Annual Exceedance Probability = 0.00143, MRI = 700 years).

Map reproduced by City of Tampa, Land Development Coordination Division, based on the following sources: Florida Department of Community Affairs, Codes and Standards Division; Applied Research Associates, Inc,; Florida Geographic Data Library