

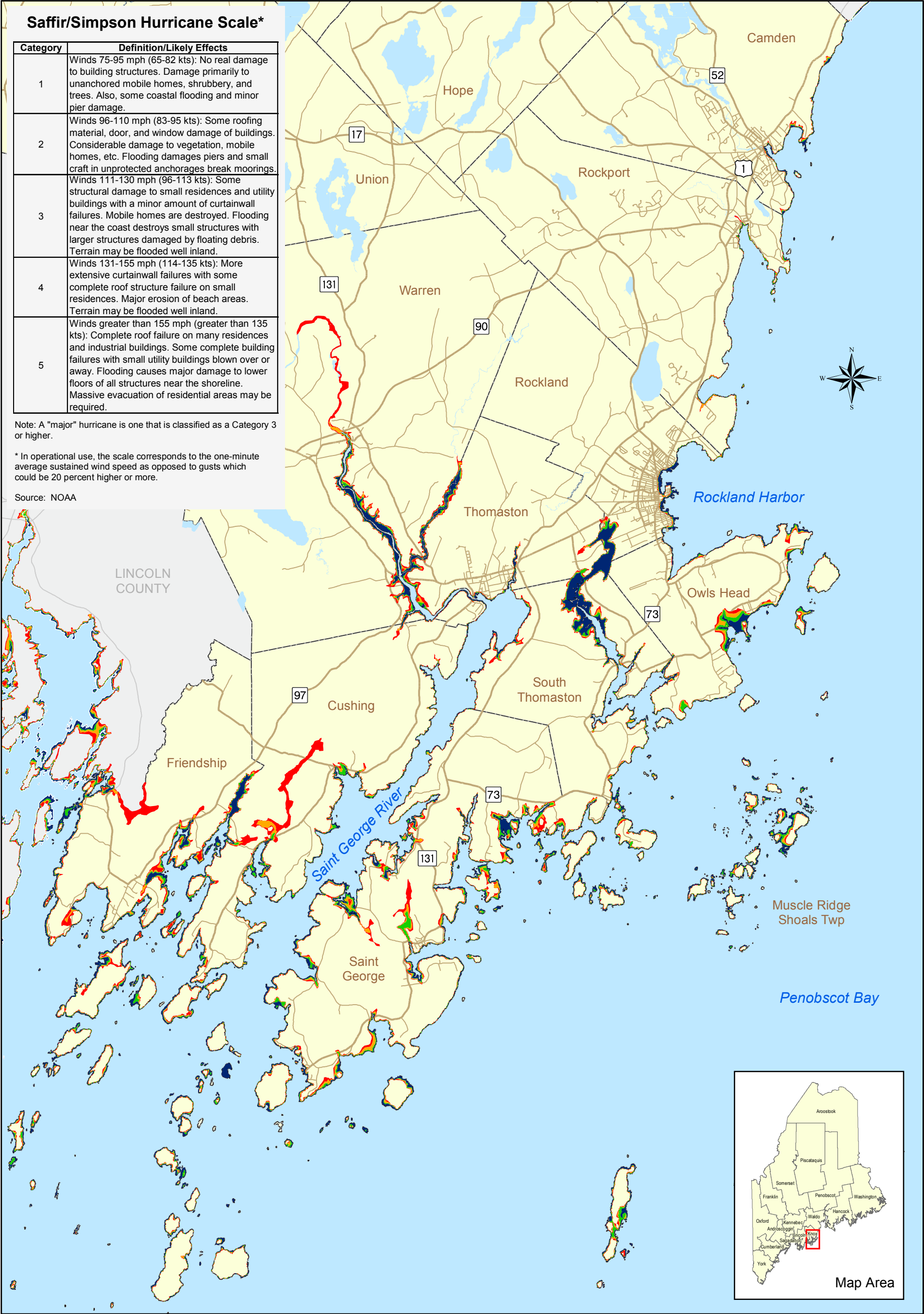
Saffir/Simpson Hurricane Scale\*

Category	Definition/Likely Effects
1	Winds 75-95 mph (65-82 kts): No real damage to building structures. Damage primarily to unanchored mobile homes, shrubbery, and trees. Also, some coastal flooding and minor pier damage.
2	Winds 96-110 mph (83-95 kts): Some roofing material, door, and window damage of buildings. Considerable damage to vegetation, mobile homes, etc. Flooding damages piers and small craft in unprotected anchorages break moorings.
3	Winds 111-130 mph (96-113 kts): Some structural damage to small residences and utility buildings with a minor amount of curtainwall failures. Mobile homes are destroyed. Flooding near the coast destroys small structures with larger structures damaged by floating debris. Terrain may be flooded well inland.
4	Winds 131-155 mph (114-135 kts): More extensive curtainwall failures with some complete roof structure failure on small residences. Major erosion of beach areas. Terrain may be flooded well inland.
5	Winds greater than 155 mph (greater than 135 kts): Complete roof failure on many residences and industrial buildings. Some complete building failures with small utility buildings blown over or away. Flooding causes major damage to lower floors of all structures near the shoreline. Massive evacuation of residential areas may be required.

Note: A "major" hurricane is one that is classified as a Category 3 or higher.

\* In operational use, the scale corresponds to the one-minute average sustained wind speed as opposed to gusts which could be 20 percent higher or more.

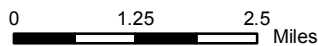
Source: NOAA



HURRICANE SURGE INUNDATION

KNOX COUNTY: MAINLAND

Hurricane surge data published in 2005.



Map prepared by LatLong Logic, LLC  
Sources: U.S. Army Corps of Engineers, MEDOT and MEGIS  
Map created: July, 2013

Hurricane Surge Category



Surge coincident with mean high tide



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