



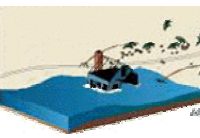


Saffir-Simpson Hurricane Damage Potential Scale													
Category	Damage Potential	Wind Speed			Effects	Central Pressure	Peak Storm Tide Elevation above MSL	Peak Storm Tide Elevation above MSL	Event Forward Speed	Storm Tide Rise Time	Average Erosion Volume	Maximum Erosion Volume	
		kt	mph	km/h			ft	m	mph	h	yds ³ /ft	yds ³ /ft	
1	Minimal	64 - 83	74 - 95	118 - 153	No real damage to building structures. Damage primarily to unanchored mobile homes, shrubbery, and trees. Also, some coastal road flooding and minor pier damage		>= 980	4 - 5.5	1.2 - 1.7	31 - 55	2.5 - 4.5	1.2 - 3.3	2.5 - 7
2	Moderate	83 - 96	96 - 110	154 - 177	Some roofing material, door, and window damage to buildings. Considerable damage to vegetation, mobile homes, and piers. Coastal and low-lying escape routes flood 2-4 hours before arrival of center. Small craft in unprotected anchorages break moorings.		965 - 979	5.5 - 8.5	1.7 - 2.6	18 - 31	4.5 - 7.5	3.3 - 10	7 - 21
3	Extensive	96 - 113	111 - 130	178 - 209	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 smaller structures with larger structures damaged by floating debris. Terrain continuously lower than 5 feet ASL may be flooded inland 8 miles or more.		945 - 964	8.5 - 12.5	2.6 - 3.8	12 - 18	7.5 - 11	10 - 25	21 - 53
4	Extreme	114 - 135	131 - 155	210 - 249	More extensive curtainwall failures with some complete roof structure failure on small residences. Major erosion of beach. Major damage to lower floors of structures near the shore. Terrain continuously lower than 10 feet ASL may be flooded requiring massive evacuation of residential areas inland as far as 6 miles.		920 - 944	12.5 - 18	3.8 - 5.5	6.5 - 12	11 - 21	25 - 75	53 - 158
5	Catastrophic	> 135	> 155	> 250	Complete roof failure on many residences and industrial buildings. Some complete building failures with small utility buildings blown over or away. Major damage to lower floors of all structures located less than 15 feet ASL and within 500 yards of the shoreline. Massive evacuation of residential areas on low ground within 5 to 10 miles of the shoreline may be required.		< 920	> 18	> 5.5	< 6.5	> 21	> 75	> 158

Note:

- These estimates of the central pressure that accompany each category are for reference only.

- These surge values are for reference only. They will depend on offshore bathymetry and onshore terrain and construction.

Source:

Marine Navigation

<http://www.nhc.noaa.gov/index.shtml>

<http://www.geocities.com/andresruizgonzalez>