

Escalation of Values/Accumulations

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IFY Committee

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Hurricanes

- Hurricane North and Central American term.
- Caribbean god of evil "Hurican"
- Atlantic, Caribbean Sea, Gulf of Mexico, and N.E. Pacific Ocean.



Typhoon/Cyclones

- Typhoon Northwest Pacific Ocean
- Severe Tropical Cyclone S.E. Indian Ocean and S.W. Pacific
- Severe Cyclonic Storms North Indian Ocean.
- Tropical Cyclone S.W. Indian Ocean.



SAFFIR-SIMPSON HURRICANE SCALE

Category	Central Pressure	Winds	Surge
1 - Minimal	> 980 mb (28.94")	74-95 mph (64-83 kts)	4-5 ft
2 - Moderate	965-979 mb (28.50-28.91")	96-110 mph (65-96 kts)	6-8 ft
3 - Extensive	945-964 mb (27.91-28.47")	111-130 mph (97-113 kts)	9-12 ft
4 - Extreme	920-944 mb (27.17-27.88")	131-155 mph (114-135 kts)	13-18 ft
5 - Catastrophic	< 920 mb (27.17")	> 155 mph or 135 kts	>18 ft



Category 1 Hurricane

- Winds 74-95 mph (64-82 kts).
- Storm surge generally 4-5 ft above normal.
- No real damage to building structures.
- Damage primarily to unanchored mobile homes, shrubbery, and trees.
- Some damage to poorly constructed signs.
- Some coastal road flooding and minor pier damage.



Category 2 Hurricane

- Winds 96-110 mph (83-95 kts).
- Storm surge generally 6-8 feet above normal.
- Some roofing material, door, and window damage of buildings.
- Considerable damage to shrubbery and trees with some trees blown down.
- Considerable damage to mobile homes, poorly constructed signs, and piers.
- Coastal and low-lying escape routes flood 2-4 hours before arrival of the hurricane center.
- Small craft in unprotected anchorages break moorings.



Category 3 Hurricane

- Winds 111-130 mph (96-113 kts)
- Storm surge generally 9-12 ft above normal.
- Some structural damage to small residences and utility buildings with a minor amount of curtain wall failures.
- Damage to shrubbery and trees with foliage blown off trees and large tress blown down.
- Mobile homes and poorly constructed signs are destroyed.
- Low-lying escape routes are cut by rising water 3-5 hours before arrival of the hurricane center.
- Flooding near the coast destroys smaller structures with larger structures damaged by battering of floating debris.
- Terrain continuously lower than 5 ft above mean sea level may be flooded inland 8 miles (13 km) or more.
- Evacuation of low-lying residences within several blocks of the shoreline may be required.



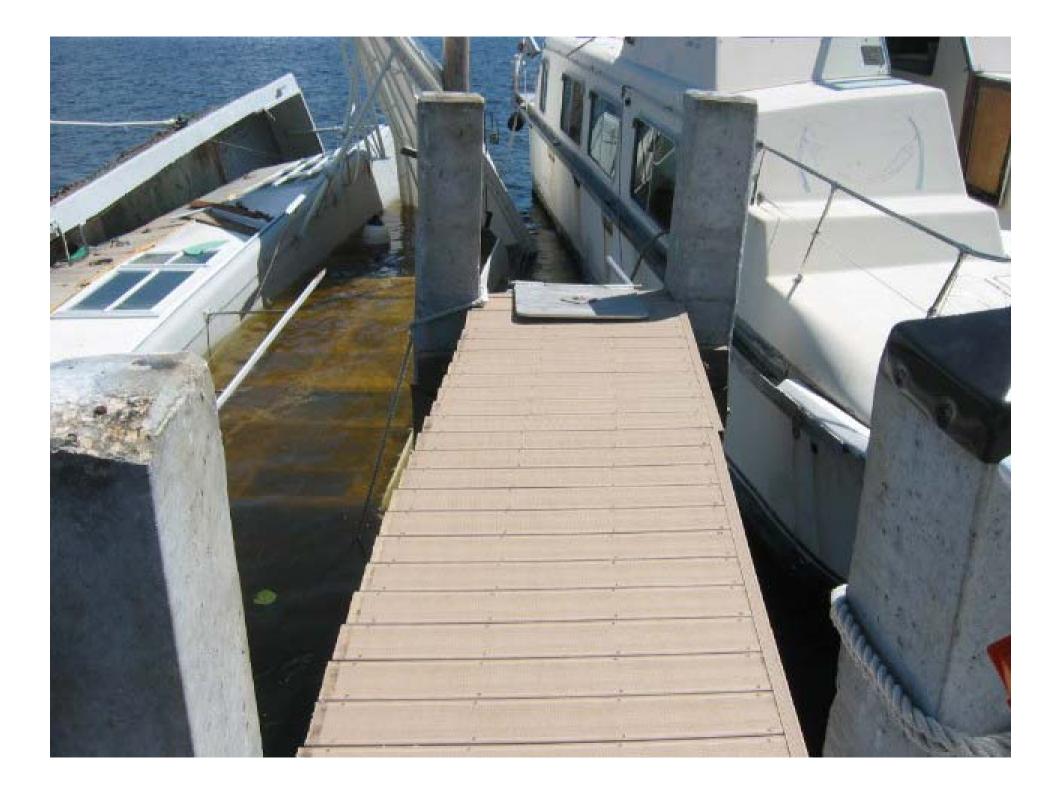
Category 4 Hurricane

- Winds 131-155 mph (114-135 kts).
- Storm surge generally 13-18 ft above normal.
- More extensive curtain wall failures with some complete roof structure failures on small residences.
- Shrubs, trees, and all signs are blown down.
- Complete destruction of mobile homes.
- Extensive damage to doors and windows.
- Low-lying escape routes may be cut by rising water 3-5 hours before arrival of the hurricane center.
- Major damage to lower floors of structures near the shore.
- Terrain lower than 10 ft above sea level may be flooded requiring massive evacuation of residential areas as far inland as 6 miles (10 km).

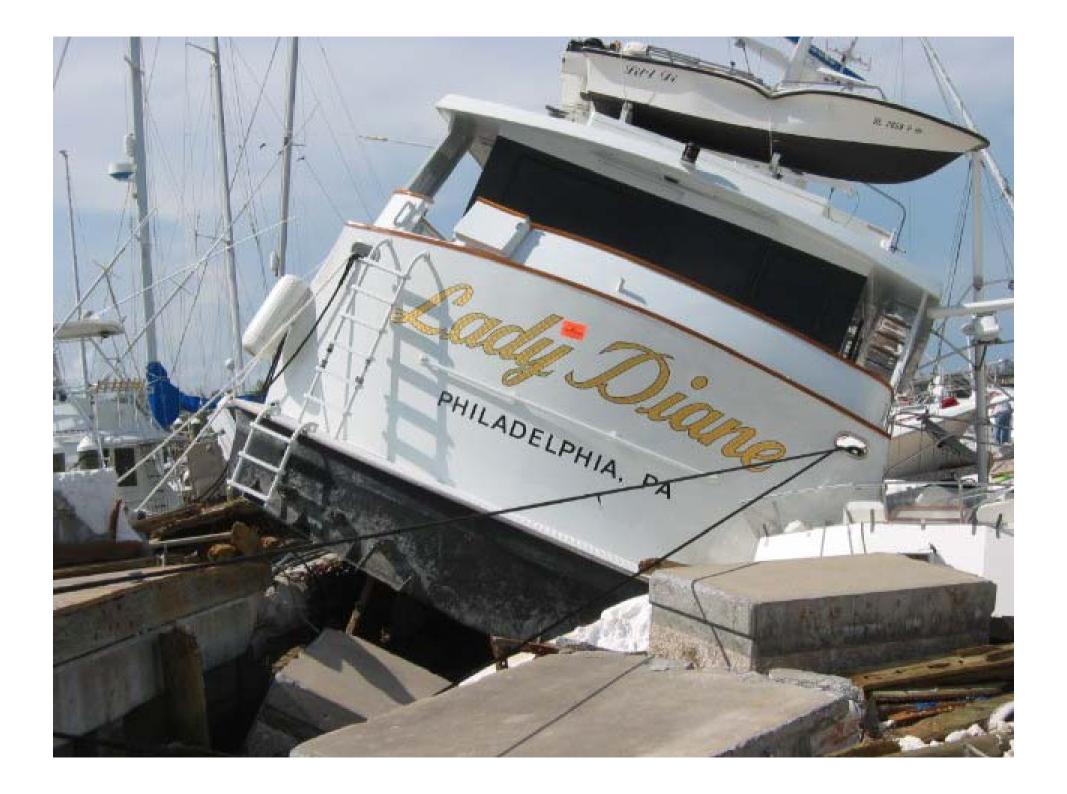


Category 5 Hurricane

- Winds greater than 155 mph (135 kts).
- Storm surge generally greater than 18 ft above normal.
- Complete roof failure on many residences and industrial buildings.
- Some complete building failures with small utility buildings blown over or away.
- All shrubs, trees, and signs blown down.
- Complete destruction of mobile homes.
- Severe and extensive window and door damage.
- Low-lying escape routes are cut by rising water 3-5 hours before arrival of the hurricane center.
- Major damage to lower floors of all structures located less than 15 ft above sea level and within 500 yards of the shoreline.
- Massive evacuation of residential areas on low ground within 5-10 miles (8-16 km) of the shoreline may be required.











Underwriting Considerations

- Location
- Bridges
- Major Rivers
- Type of yacht
- Boats on trailers
- Absentee Owners
- Mega yachts
- Vessels 25-50 ft.



Underwriting Tools

- Surveyors
- Google Earth / Marinas.com
- North South Warranties
 - It is warranted the insured vessel is North of Savannah GA from, June 1 to November 1 both inclusive.
 - It is warranted the insured vessel is prohibited from entering or operating in the coastal and or inland waters of Florida and/or the Bahamas or being located within the state of Florida and/or the Bahamas from June 1 to November 1, both inclusive.



Underwriting Tools

- Hurricane Preparedness Plans
- Deductibles
- Hurricane Haul Out Policy Provisions
- Underwriter Experience
- Proper IT
- CAT Models
 - AIR World Wide (AIR)
 - Risk Management Solutions (RMS)
 - Eqecat
- PML



Thank You