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<https://www.southcom.mil/>

This brief and other resources are available at:

SC Portal & USAG Shared Library: Hurricane Preparation





Overview

- **South Florida – Destructive Weather Threats & Hazards**
- **Be Prepared**
 - **Stay Informed**
 - **Make a Plan**
 - **Prepare Kit/s**
- **Understanding Local Weather Hazards**
- **Sources of local resources & information**
- **Post storm actions and recovery**





U.S. ARMY

South Florida Destructive Weather



Vaisala's National Lightning Detection Network® (NLDN®)
Cloud-to-Ground Lightning Incidence in the Continental U.S. (1997 - 2012)

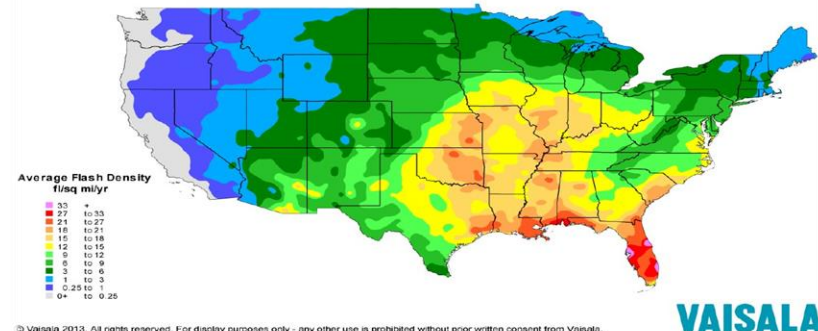


Figure 3: Cloud-to-ground lightning from 1997-2012, courtesy of Vaisala





Prepare Now

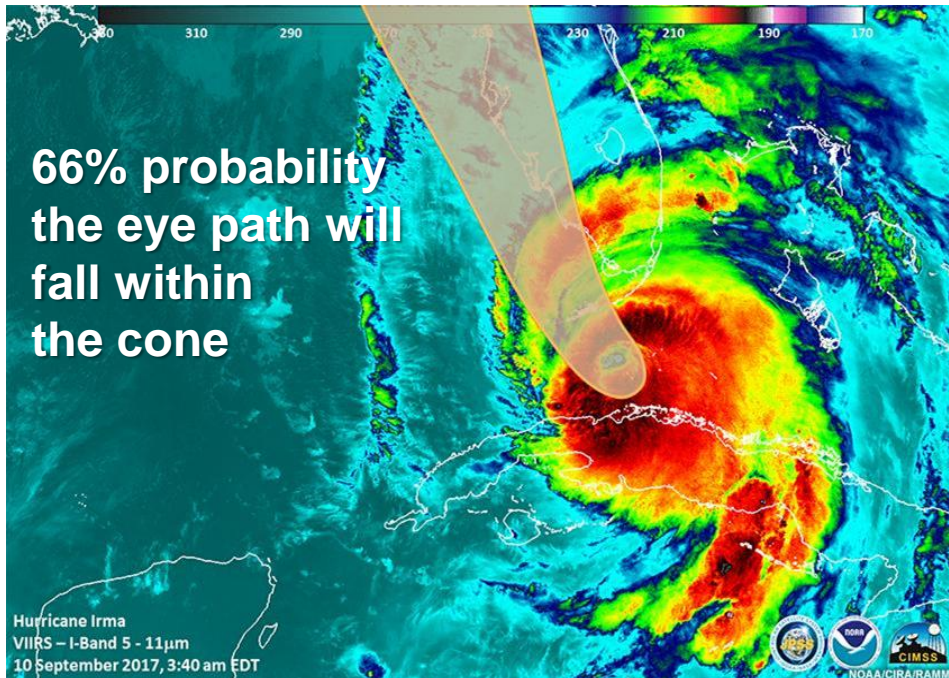
- **Be Informed / Stay Informed**
 - **Flood Zones / Surge Zones / Emergency Shelters**
 - **Storm Tracking and Monitoring**
- **Make a Plan (or Plans – consider different scenarios)**
 - **Shelter In Place in a safe area? Friend's house? Evacuation? Community Shelter?**
 - **Communication/linkup plan if family separated or at different locations?**
 - **Outdoor preparations - storm shutters, secure potential flying objects**
 - **Have you planned for special needs or pets? Medications?**
- **Build kit/s and review/replenish/cycle supplies (72 hours minimum)***
 - * 72hr for an emergency; Recommend a disaster kit/plan also for longer periods of no electricity or water.
- **Talk the plan over with your family; rehearse your plan**
- **Inform your relatives and supervisor of your plan and/or evacuation**





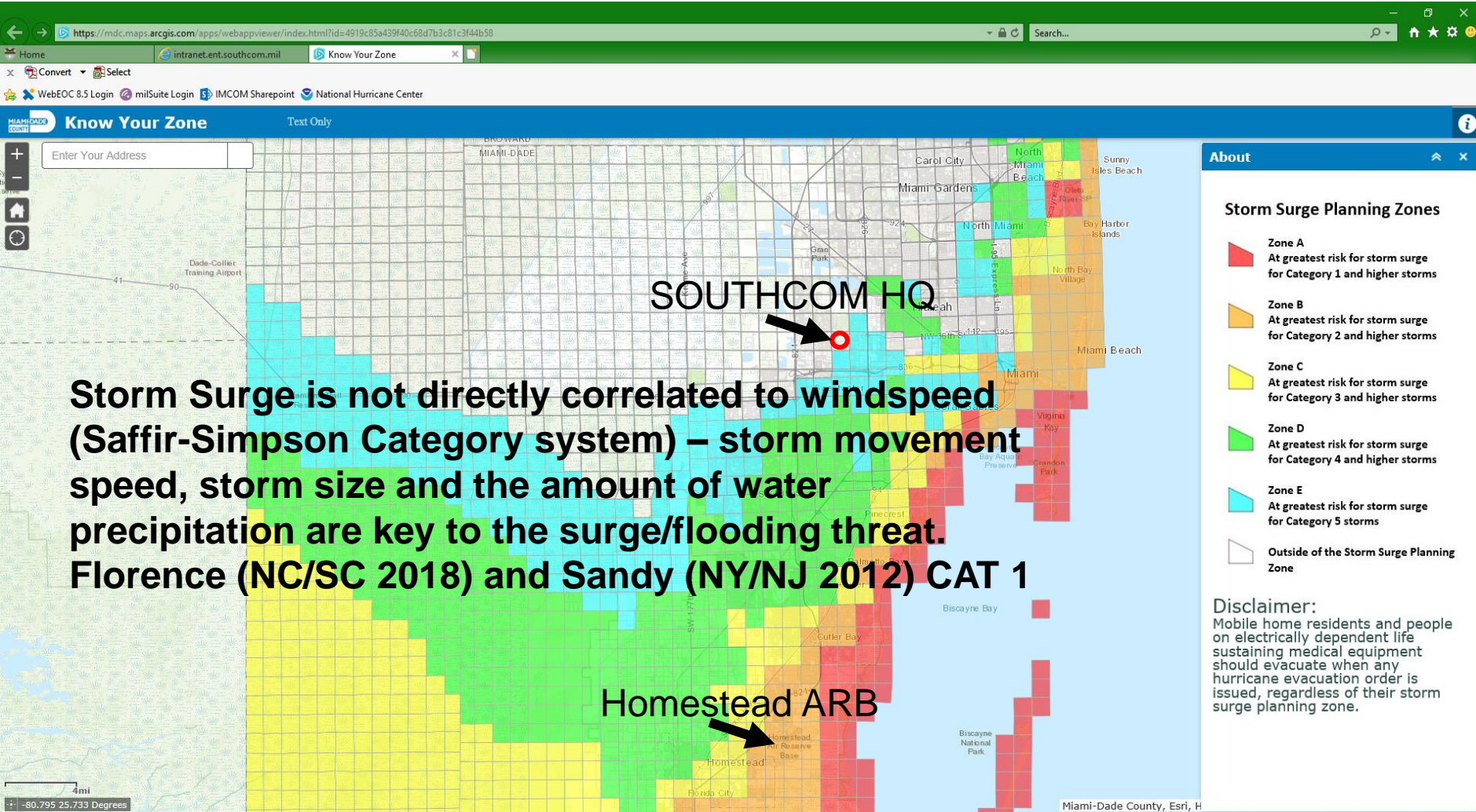
Understand the Cone

- Cone predictions have improved, but are often misinterpreted as impact area vs. storm center (eye) path
- NOAA acknowledges intensity predictions are unreliable
- Rapid changes require constant monitoring
- Wind speed category 'downgrade' does not necessarily mean less threat: **Hide from wind; Run from water.**





Storm Surge



<http://mdc.maps.arcgis.com/apps/webappviewer/index.html?id=4919c85a439f40c68d7b3c81c3f44b58>





Storm Surge vs Flood Zones

Flood zone: Mapped by FEMA for use in the National Flood Insurance Program. Each flood zone designation tells homeowners exactly what the risk is for flooding at their property over a period of years, regardless of the cause. By law, all homes in high-risk zones carrying a mortgage must be covered by flood insurance.

The **Flood Zones** and the **Storm Surge Planning Zones** are determined by different methods and have different purposes. **Residents must check both zones.**

Flood Zone Map

Storm Surge Map (SLOSH)

Storm Surge Planning Zones:

Based on hurricane storm surge determined by the National Hurricane Center using ground elevation and the area's vulnerability to water from lakes/oceans being pushed over land by a hurricane. The storm surge planning zones are marked from A through E.

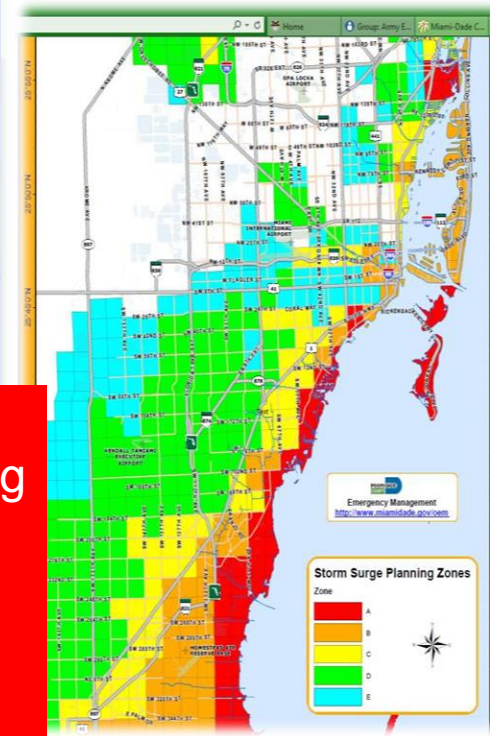
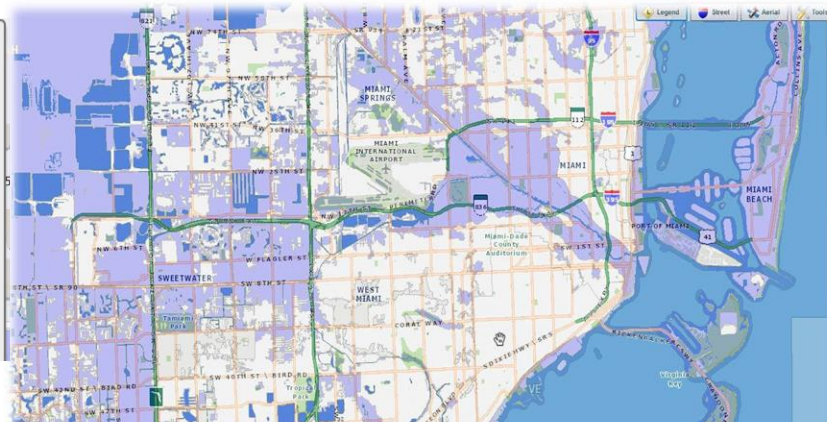
L Legend

Transparency

Visible

- A, AE, AH
- VE
- OPEN WATER
- 0.2 PCT ANNUAL CHANCE FLOOD HAZARD
- D, X

[Click here for flood designation descriptions](#)



You CAN be impacted by hurricane tidal surge flooding WITHOUT being in a 100 year flood plain!

You CAN be in a flood zone without being in a Storm Surge Planning Zone.

Evacuation zones are normally based on Storm Surge zones, but check with your county!





Make a Plan

- **Know your Storm Surge/Evacuation Zone**

- Miami Dade Storm Surge Interactive map (also on Ready MDC app):

<http://mdc.maps.arcgis.com/apps/webappviewer/index.html?id=4919c85a439f40c68d7b3c81c3f44b58>

- Broward Storm Surge/Evacuation:

<http://www.broward.org/Hurricane/Pages/EvacuationRoutes.aspx>

- Palm Beach County Surge/Evacuation (also on PBC Dart app):

<https://www.discover.pbc.gov/org/publicsafety/dem/Publications/Evacuation%20-Zones.pdf>

- **Make a plan – consider different scenarios – stay/go**

- Emergency Management Resources and Counties have planning information
- Shelter In Place in a “safe room”? Friends house? Evacuation?
- Any special needs or pets? Medical or dietary issues? Infants/children?
(refills/refrigeration/medical devices/toys/comfort items)
- Communication/linkup plan if family is at different locations or TDY?
- Include checklists, they work! (For example, home/outdoor preparations?)
- Fail to plan=plan to fail. Avoid competing with desperate people post storm.





Local Resources

- Miami Dade Emergency Management
 - <http://www.miamidade.gov/oem>
- Broward Emergency Management
 - <http://www.broward.org/Hurricane>
- Monroe County Emergency Management
 - <https://www.monroecounty-fl.gov>
- Local News and Weather
- *Battery operated radio*

Emergency Management

Resources:

www.readysouthflorida.org (FL counties)

www.floridadisaster.org (FL state)

<https://www.ready.gov> (Federal)

SCHurricane Hotline: 305-437-3919

REMEMBER:

The JOC is NOT an info line

For SOUTHCOM Specific information

- SC Hurricane Hotline: 305-437-3919
- <https://www.southcom.mil>
- Your Supervisor





Be Informed/Stay Informed

- **Weather**

- <https://www.nhc.noaa.gov/>
- Consider apps like “My Radar”, “Max Tracker” (local 10 news)
- Local News and Weather (Battery operated radio in kit!)

- **County Resources**

- Miami Dade Emergency Management
<http://www.miamidade.gov/oem> (App: ReadyMDC, plus alert signup available)
- Broward Emergency Management
<http://www.broward.org/hurricane> (Alert signup available)
- Monroe County Emergency Management
<https://www.monroecounty-fl.gov>
- Palm Beach Public Safety (App: PBCDart; plus alert signup available)
<http://discover.pbcgov.org/publicsafety/dem/pages/default.aspx>

- **Emergency Management Resources**

- www.readysouthflorida.org (FL counties)
- <https://floridadisaster.org> (FL state)
- <https://www.ready.gov> (Federal)



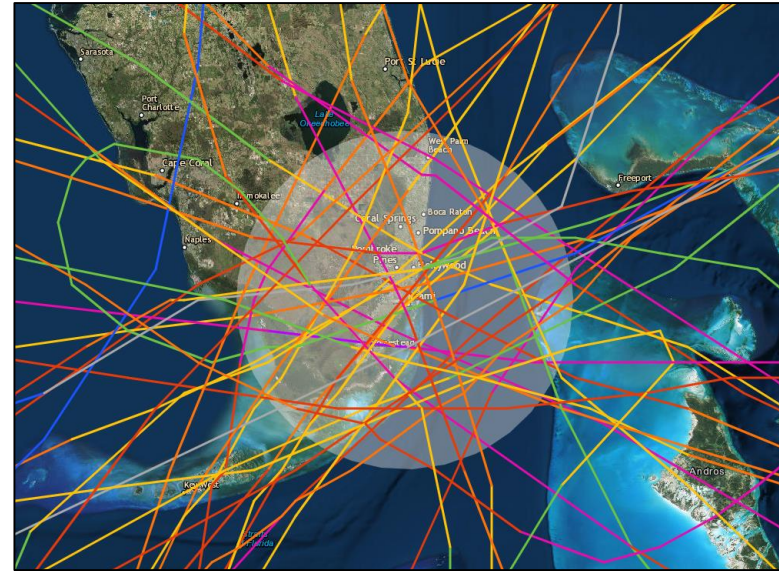


Local Information

- **Be Informed/Stay Informed**
- **Make A Plan**
- **Build A Kit**
- **Risk after the Storm**
- **Recovery**

For SOUTHCOM Specific information

- SC Hurricane Hotline: 305-437-3919
- <https://www.southcom.mil>
- Your Supervisor



Tracks of hurricane centers within 65 miles of Miami since 1865





Build a Kit/s

- **Build kit/s and review/replenish/cycle supplies (72 hours minimum)**
 - 72 hours is an “emergency” kit
 - Create a “disaster” kit for longer periods of no electricity or water (14-30 days) – even minor hurricanes may result in week(s) of power loss/boil water orders
 - Talk the plan and kit over with your family – get input!
 - Use checklists – particularly for the last minute top off/tasks
- **Exercise the plan – find gaps and instill confidence**
 - For example, 3 hours in safe room; 3 meals from kit; no lights or plug-in electricity for 1 night (spare batteries, power bank, card games)
 - Does your spouse/family have access to everything to be ready without you if you are TDY or deployed?
- **Inform your relatives and supervisor of your plan and/or evacuation**





Prior to Storm

• Confirm and Verify Access to Key Systems

- Ensure info in DEERS is correct via milconnect: <https://milconnect.dmdc.osd.mil/milconnect/>
- Verify **ALERT!** Information in system
- Know your Service's accountability system process
 - Army personnel – Army Disaster Personnel Accountability and Assessment System (ADPAAS) at <https://adpaas.army.mil> or 800-833-6622
 - Air Force – Air Force Personnel Accountability and Assessment System (AFPAAS) via the AF Portal at <https://afpaas.af.mil> or by calling 800-435-9941, is also a mobile app for smart phones via the webpage
 - Navy – Navy Family Accountability and Assessment System (NFAAS) at <https://navyfamily.navy.mil> or call the 24-Hour Navy EOCC at 877-414-5358 or 1-866-827-5672
 - Marine – Marine Online at <https://www.mol.usmc.mil>
 - Coast Guard – Coast Guard Personnel Accountability and Assessment System (CGPAAS) via <https://cgpaas.uscg.mil>
- Confirm you have the latest copy of your organization's recall roster





Post Storm

- **After the Storm**

- Monitor the news before, during and after the storm for information on curfews, shelters, relief centers, contaminated water
- Contact relatives/supervisor with your status (consider texting)
- Minimize calls and driving to allow emergency calls, first responders and utility repair personnel to get through
- Keep receipts and take photos of damage if possible
- No generators indoors (or near air vents, windows), nor grill indoors
- Avoid injury – limited emergency response capability (e.g., removing debris/cutting down trees/traversing flooded areas)

- **Post Storm Potential Conditions and Hazards**

- Prolonged loss of utilities and public services; downed power lines
- Contaminated water, boil water orders
- Debris blocked/flooded streets – do not trust what you cannot see!
- Missing traffic lights/stop signs
- Shortage of food, water, fuel and supplies





Recovery

- **Official Work-Related Key Items**

- At first opportunity, re-establish accountability via Service and Section
- Monitor ALERT! for notifications and installation information – including re-opening
- Inform chain of command of damage/family issues impacting your return

- **Personal Key Items**

- Be Prepared, Stay Informed, Have a Plan & Build a Kit,
- If storm caused significant damage to your area, whether or not you evacuated, always carry an official ID with home's address to regain access to the area if you leave
- Take photographs
- Perform damage assessment
- Upload insurance and FEMA apps to assist in claims submissions

