

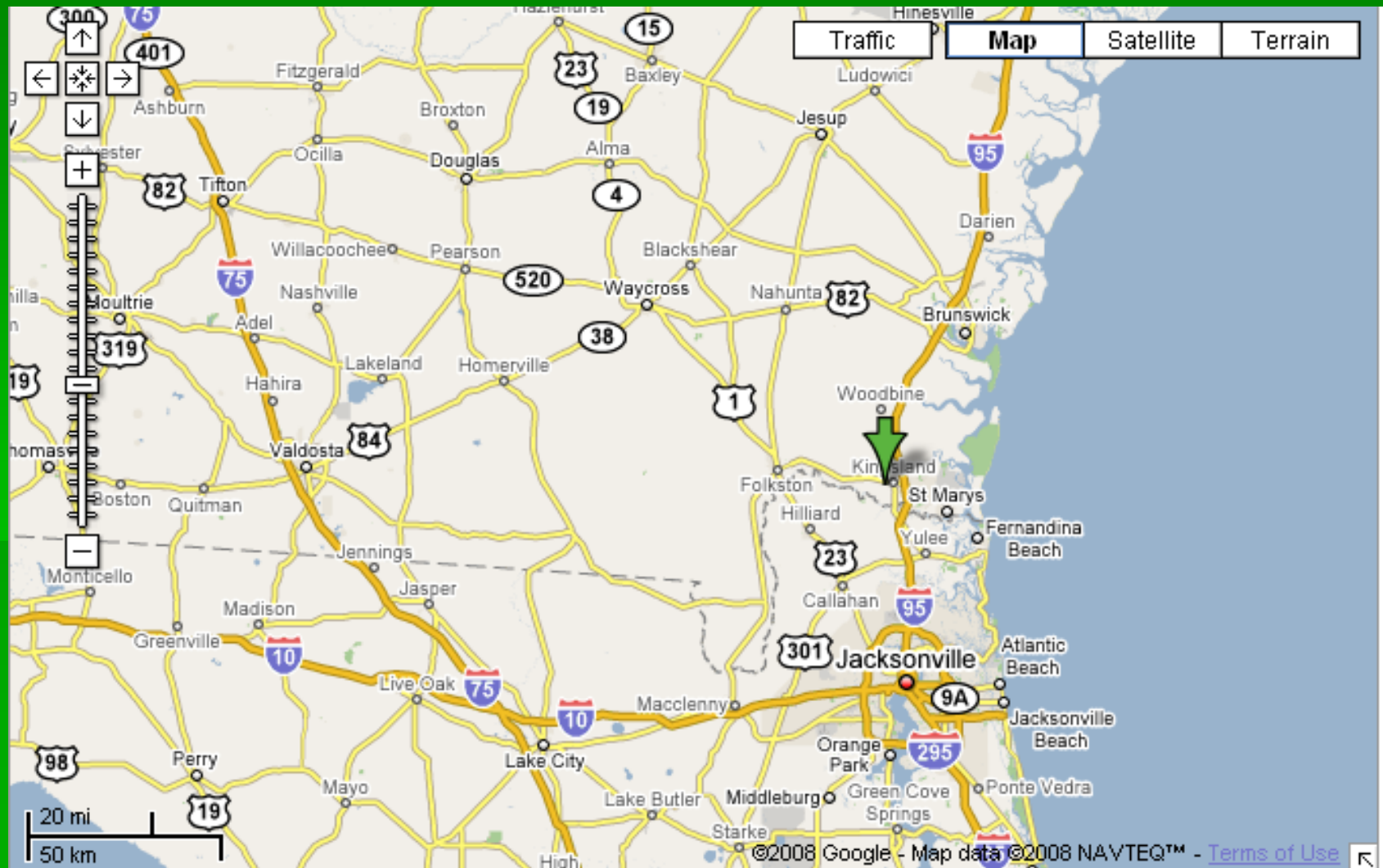
Case Study: County on the Edge

Emily Kellar
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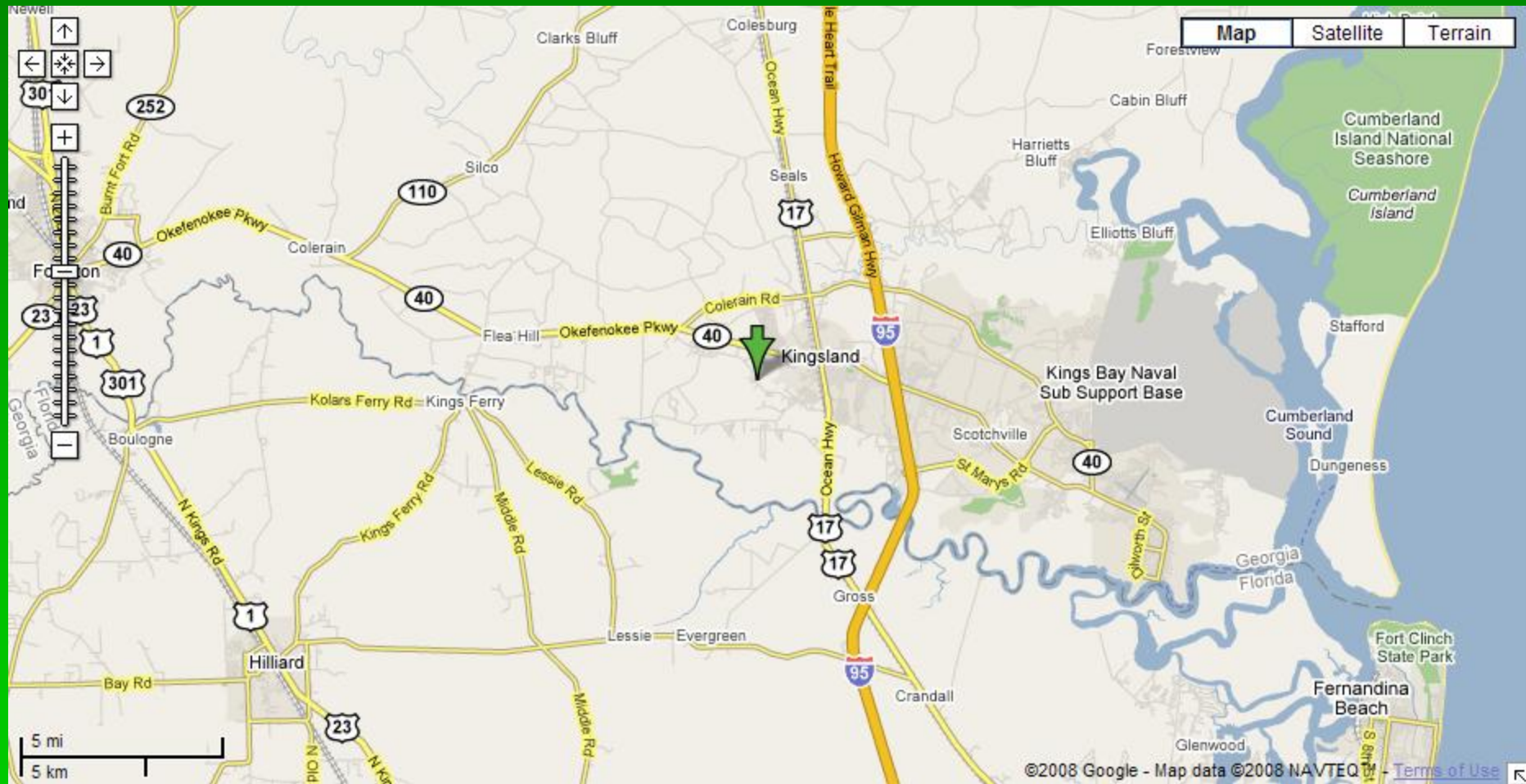
Camden, Charlton, Kings Bay Service Center



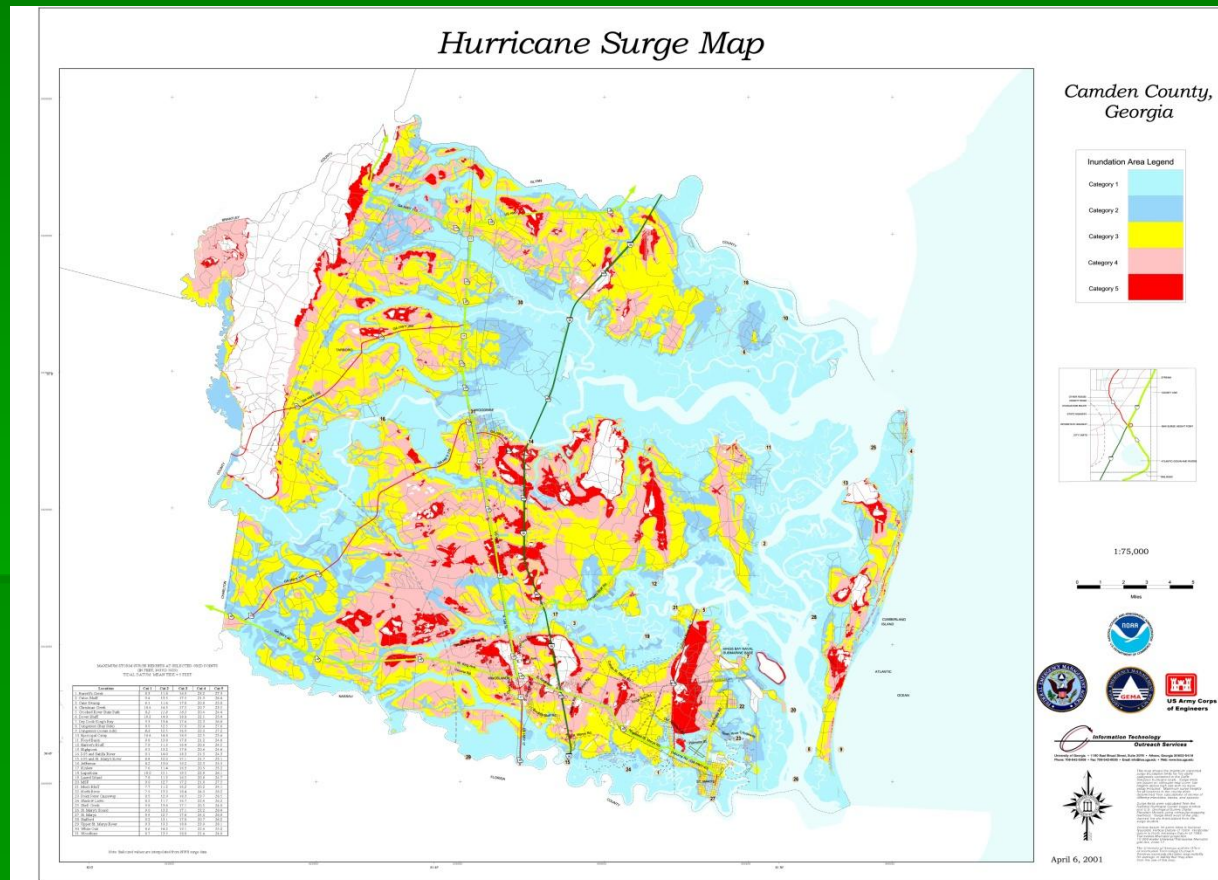
Camden County



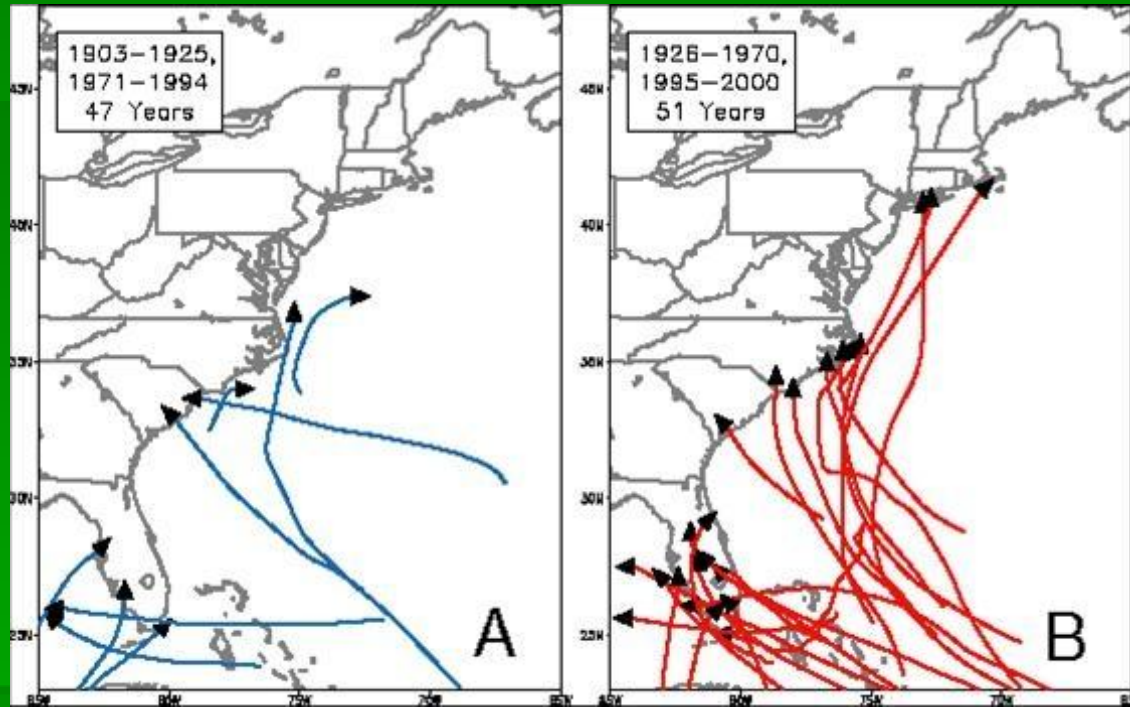
Camden County



Camden County



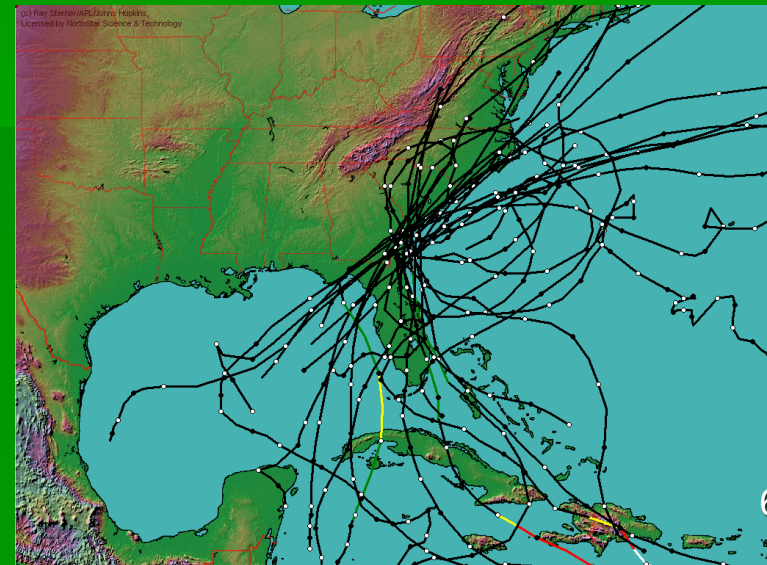
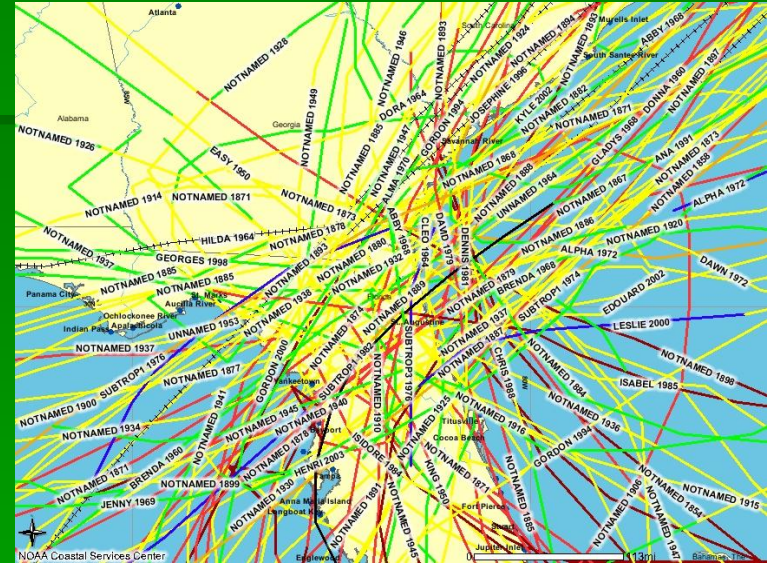
Camden County



- Jet Stream
- Curvature Location
- Luck?

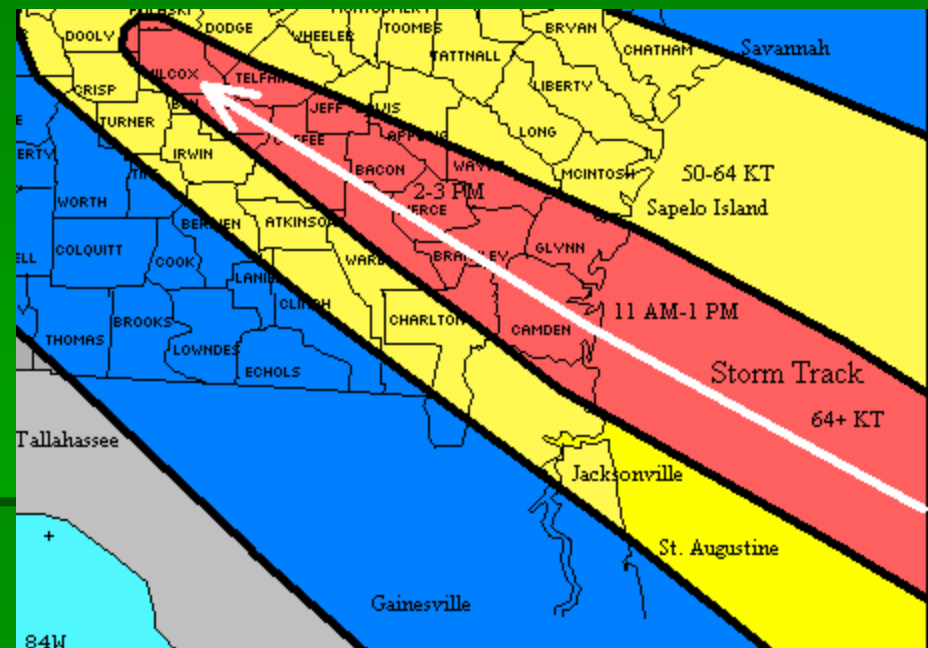
Not Immune

- While direct hurricane landfalls in our area are rare... the center of a named tropical cyclone comes within 50 miles once every 3 years!
- So far... we've been lucky. But one day...one of those tropical cyclones will be a major hurricane!

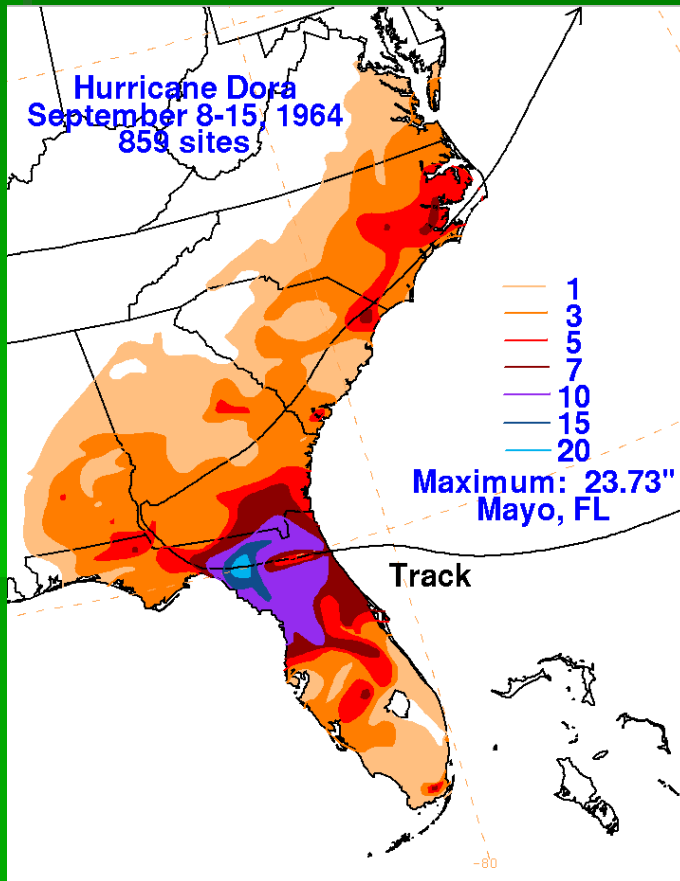


Last Landfall in Camden

- October 2, 1898
- Category 4 @ landfall
- Eye made landfall right over Camden County
- 10 to 20 feet storm surge, as well as hurricane strength winds



Hurricane Dora



- While the center of the storm did not affect Camden County, the edge of the storm did

Hurricane Floyd



September 1999

Hurricane Floyd



Hurricane Floyd was the sixth named storm, fourth hurricane, and third major hurricane in the 1999 Atlantic hurricane season. Floyd triggered the second largest evacuation in US history (behind Hurricane Rita) when 2.6 million coastal residents of five states including Florida were ordered from their homes as Hurricane Floyd approached.

Wikipedia

Reasons for Evacuating

- Respondents who evacuated were asked why they left, and most said they left because of a combination of reasons such as evacuation notices from public officials, storm severity, and recommendations from friends, family, and the media.

http://chps.sam.usace.army.mil/USHESdata/Assessments/Floyd/Behavioral/hurricane_floyd_1999_behavioral_.htm

Evacuation Destination

Why did people go out of the county?

- (1) that was the location of friends or relatives with whom they could stay,**
- (2) the storm was strong enough so they wanted to get far away from it, and**
- (3) they had to go as far as they did to find vacant lodging.**

Evacuation Preparedness

- What did they do before they left to secure their houses and/or property?
- What did residents who evacuated take with them?



Evacuation Woes

- Once on the highway, 95 N, we took this shot of evacuation traffic moving northward from the islands of lower coastal Georgia.



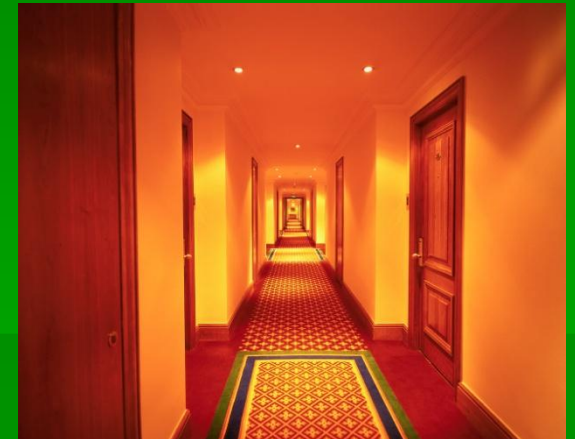
The Hurricane Intercept Research Team
<http://www.hurricanetrack.com/floyd.html>

Evacuation Woes

- Evacuation congestion is made worse when large numbers of evacuees leave the local area rather than simply going to safe locations within their own community.

Shelter?

- Where did people stay?
- How were their stays?



Exceptions

- **Between 35% and 60% of the evacuees said they used interstate highways for a substantial portion of their evacuation. Those respondents were asked whether they would use interstates again in the future or use secondary roads. In the area from Jacksonville, FL through Charleston, SC (where evacuation times were longest), most said they would use secondary roads, a combination of secondary and interstate, or that it would depend on circumstances.**

Some Did Not Evacuate

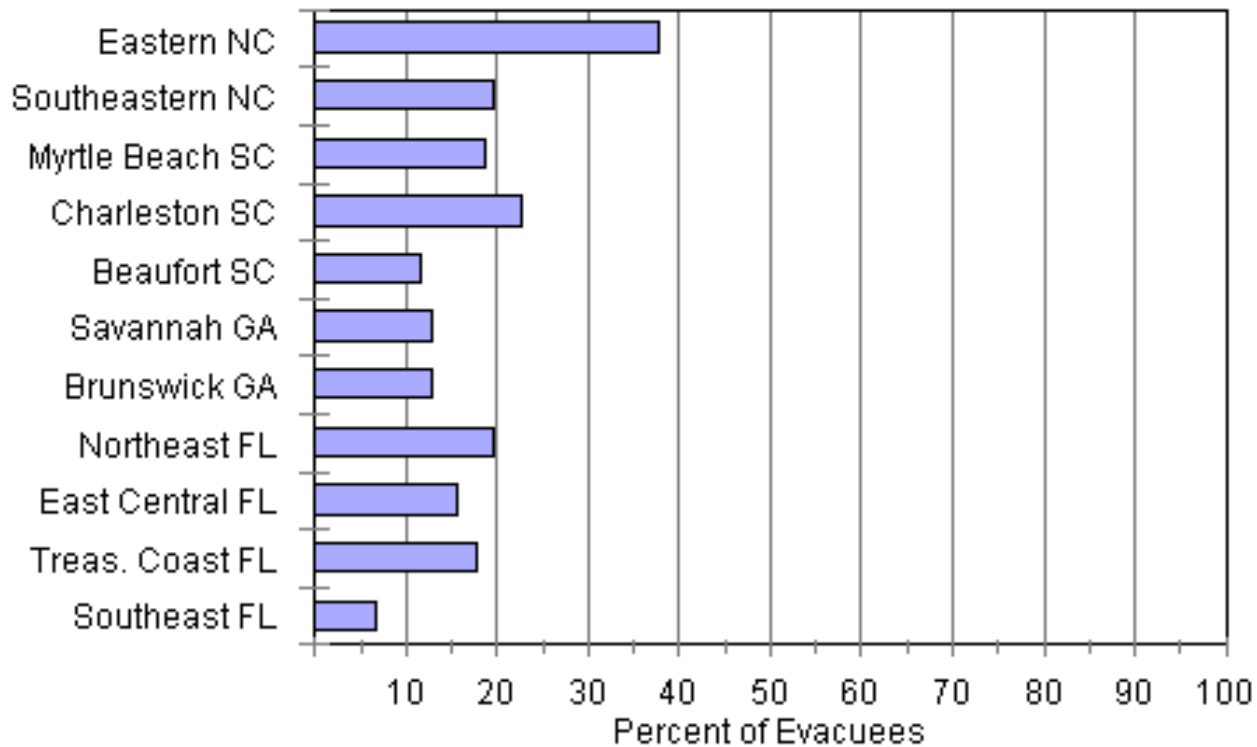
- Required to stay as part of job function
- Made a decision to stay

Future Evacuations

- One question asked following Floyd was whether the unpleasant experiences during the evacuation would deter people from leaving in future hurricane threats. Certainly many evacuees had bad experiences, but when asked to describe the sorts of difficulties they endured, most respondents, reported none, other than aggravation. The most common complaint was a lack of restroom facilities, followed by food and water.

Future Evacuations

Evacuees Who Would Stay Next Time Avg. All Zones



On the Edge?

- Different from Steve's edge
- While Camden County Wound up being on the "edge" of Floyd, The uncertainties in the forecast track had to be considered.
- This meant preparation and evacuation had to be conducted just as if the storm had made a direct hit!

Bright Lights

- The most common response when asked what they would do differently was to leave earlier next time.
- May not be as much of a challenge as we thought. People will evacuate.
- Having been through this people do prepare a little more.

Application to My Community?

- Be Prepared for the length of time an evacuation may take
- Suggest leaving early, or follow orders
- Suggest supplies to have when evacuating
- Have a contact out of the area that they will visit
- Have maps, routes of the area
- Beware of mixing birds and dogs!

