

DUKE SRP CENTER COMMUNITY ENGAGEMENT TEAM

Community Engagement Core



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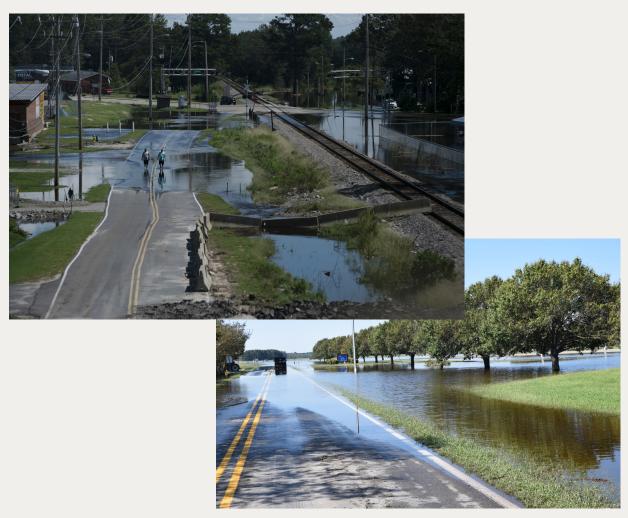


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OVERVIEW: HURRICANE FLORENCE IMPACTS

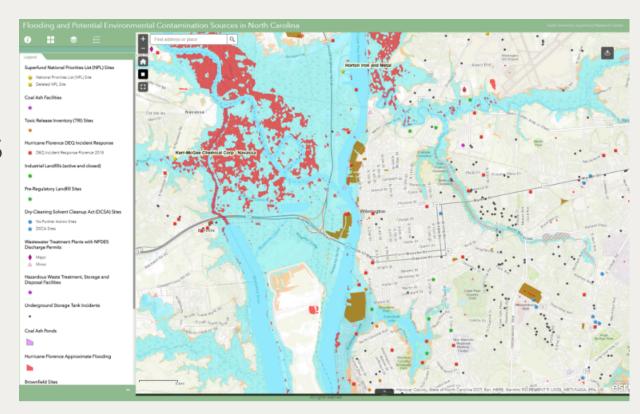
- 8 trillion gallons of rain fell
- ~1600 roads closed in NC during/just after the storm due to downed trees
- In some areas, rivers didn't crest until a week after landfall
- 41 deaths directly attributed to the storm
- ~\$17 billion in damages
 (>2x Hurricane Matthew)
- Around half of NC counties eligible for disaster assistance; flooding extends into western NC





BACKGROUND INFORMATION

- Recovery from Matthew still underway across NC
- Pre-existing housing shortages
- Environmental hazards:
 Superfund sites, brownfields,
 coal ash ponds, CAFOs
- GenX controversy (Wilmington)





TIMELINE OF EVENTS

9/11/18

Researchers begin coordination

9/14/18

Hurricane Florence hits NC

9/18/18

ACC & EDF sampling

9/20/18

 CEC connects to NC Inclusive Disaster Recovery collaborative

- RTC TV interview

9/21/18

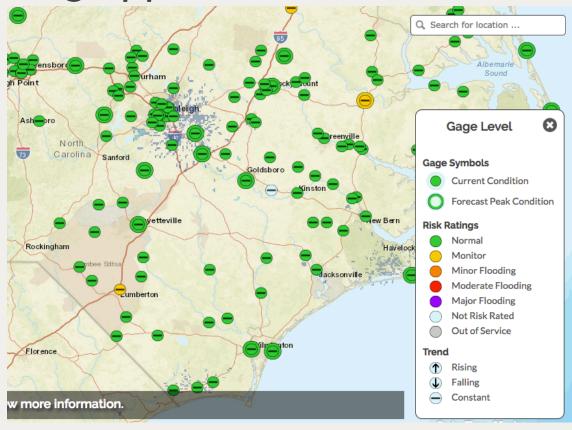
- Sutton coal ash pond breach

- Cape Fear River crests at dam #1



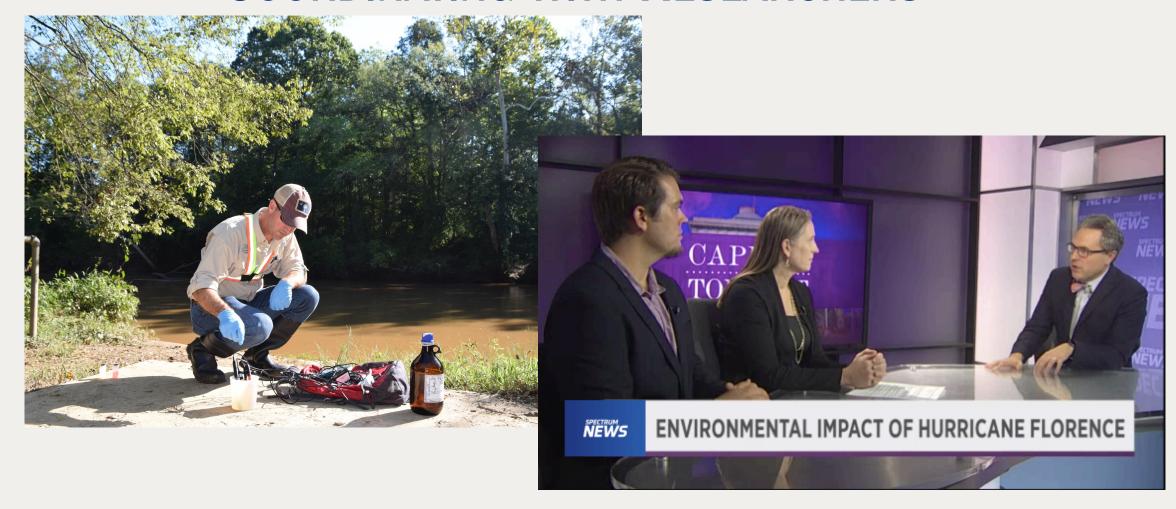
FINDING & SHARING INFORMATION IN REAL TIME

- NC DEQ Hurricane Incident Tracking Application
- NC DOT road hazards
- NC flood tracker (<u>FIMAN</u>)
- NOAA & NASA satellite imagery
- Google Crisis Response images





COORDINATING WITH RESEARCHERS





ADDRESSING COMMUNITY CONCERNS







COMMUNICATING THROUGH ESTABLISHED NETWORKS





Photo: CAFO breach on 9.17.18 by Alan Cradick for Waterkeeper Alliance

OTHER NETWORKS FOR COMMUNICATION

- NC Inclusive Disaster Recovery collaborative (NCIDR) and Rural Forward NC
- New Hanover County Health Department
- New Hanover County NAACP
- NC State Extension



Do Evacuations Work?

Medium Environment

Become a member Sign in

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MEMBER FEATURE STORY

North Carolina's Problem Isn't Florence, It's Poverty

The floodplains read like maps of inequality and race





Photo: Annett Windisch/EyeEm/Getty Images



TAKING AN ACTIVE ROLE IN RECOVERY



LINKS TO RESOURCES

- Addressing Environmental Health Concerns After a Hurricane: https://sites.nicholas.duke.edu/superfund/hurricane_resources/
- Duke University Superfund Research Center GIS mapping tool: https://sites.nicholas.duke.edu/superfund/education-and-outreach/map/
- Managing the Impact of Flooded Gardens (joint webinar with North Carolina State University Cooperative Extension):
 - https://www.youtube.com/watch?v=8MS3D2wN2nA&feature=youtu.be



QUESTIONS?

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