

# DIGITAL COAST CONNECTIONS



September 2018

## New Data, New Resources



### Digital Coast

- **Case Study** – [Investing in Flood Mitigation Pays Off Immensely](#)
- **Case Study** – [Implementing Green Infrastructure at Multiple Scales to Enhance Resilience](#)
- **Story from the Field** – [Building Awareness of Coastal Flood Risks in South Florida](#)
- **Story from the Field** – [Building Awareness of Coastal Flood Risks in the Charleston Region of South Carolina](#)
- **Data** – See [the list](#) of more than 50 new and updated data sets.



### Office for Coastal Management

- Now accepting state proposals for the [2019-2021 Coastal Management Fellowship Program](#).
- New [white paper](#) on public-private partnerships for long-term disaster recovery, funded through the NOAA Coastal Resilience Grant Program.
- Handout – [Top Ten Things to Know about the Coastal Zone Management Program](#)

## Tech Topics

### Calculating Coastal Flood Frequency

In some communities, “sunny day flooding” is becoming public enemy number one. High-tide

induced flooding that used to occur once in a blue moon (pun intended) is now happening more often. Those affected don't find this one a bit funny.

In many areas, sea level rise is increasing the frequency, duration, and extent of sunny day flooding. NOAA's Digital Coast provides step-by-step guidelines communities can use to calculate local flood frequencies under various scenarios that include storms and sea level rise. This information will come in real handy next time you speak before your city council.

[Visit this site](#) and contact [coastal.info@noaa.gov](mailto:coastal.info@noaa.gov) if you have questions. We've got your back.

## Stories from Your Peers

### Restoration Brings Six Times Return on Investment

Industrial pollution degraded Michigan's Muskegon Lake, but a wetland restoration and shoreline stabilization project is breathing new life into the region. With this project, more than 65 wetland acres were connected to 45 acres of open-water habitat, and 96 acres of wetlands were acquired for restoration.

NOAA initially invested \$10 million in this effort. Researchers say this investment will power up the local economy by more than \$57 million between 2009 and 2024, a nearly six-to-one return on investment. Restoration by the Great Lakes Commission and other partners eventually will boost property values by \$12 million, bring \$600,000 extra in yearly tax revenues, enhance the Muskegon Lake fishery, and attract 65,000 new visitors and an extra \$1 million annually in recreational spending. Smart coastal management works!

- See the [full story](#).
- Learn more about the [project](#).



**Wetland restoration brings six times the return on investment in the Great Lakes.**

## Tips from the Digital Coast Academy

### Weigh Buyout Relocation Pros and Cons

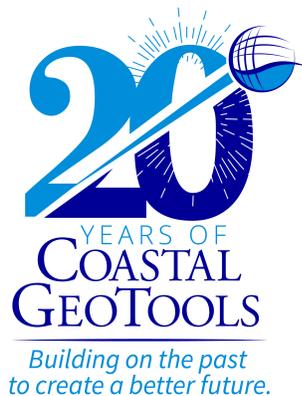
Relocating homes and neighborhoods is an effective way to decrease flood risk, but cities need to be strategic to preserve the community's tax base and neighborhoods. Kinston, North Carolina, helped the community by keeping children within similar school districts and neighborhood friends close together. This relocation approach benefited residents and allowed the city to mitigate urban sprawl and water quality issues before they even started.

For Kinston, the purchase of the first 100 homes is saving approximately \$6 million in anticipated losses when the next big storm hits.

[Learn about how they did it.](#)

**Submit Your Abstract for Coastal GeoTools 2019**

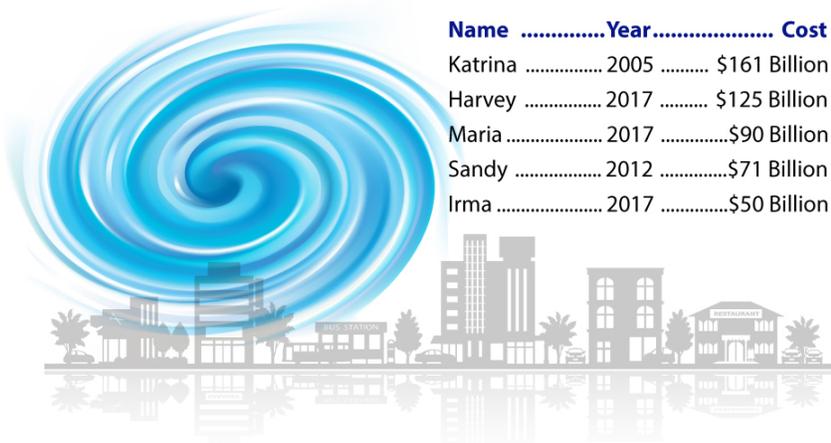
Ecosystem health, community resilience, and sustainable economies are three of the subjects to be explored during this technology-focused conference, [Coastal GeoTools 2019](#). To celebrate GeoTools' 20th anniversary, the Association of State Floodplain Managers is asking participants to show how past experiences are helping people prepare for a better future. Submit your abstract by September 28, 2018. Details on the abstract submission process, as well as session tracks and types, can be found on the [website](#). The conference will be held February 11 to 14, 2019, in Myrtle Beach, South Carolina.



## Fast Facts



### The Top Five Costliest U.S. Hurricanes on Record



This is just one of the many coastal management [fast facts and graphics](#) provided for your use. See the [list](#) here, and let us know if you have others you'd like to see added.

#### Feedback? Please!

This newsletter is created for coastal professionals dedicated to keeping coastal communities safe and productive. Please provide any feedback you may have to [coastal.info@noaa.gov](mailto:coastal.info@noaa.gov)



Facebook



Twitter



Website



NOAA Office for Coastal Management

Want to change how you receive these emails?  
You can [update your preferences](#) or [unsubscribe from this list](#).