

Sea Level Rise and Coastal Flooding Impacts Viewer

<http://coast.noaa.gov/slr/>

DigitalCoast
OFFICE FOR COASTAL MANAGEMENT

Data Tools Training Stories Apply It GeoZone Blog Search

More Than Just Data

Dive into the Digital Coast to Get the Data, Tools, and Training Communities Need to Address Coastal Issues.

DATA TOOLS TRAINING STORIES

What is the Digital Coast?

This NOAA-sponsored website is focused on helping communities address coastal issues and has become one of the most-used resources in the coastal management community. The dynamic Digital Coast Partnership, whose members represent the website's primary user groups, keeps the effort focused on customer needs.

Learn more in our About section, or just dive in. And please provide feedback as often as possible. Hearing from you is what makes the Digital Coast work.

[Learn More about the Digital Coast](#)

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Henry "Hank" Hodde

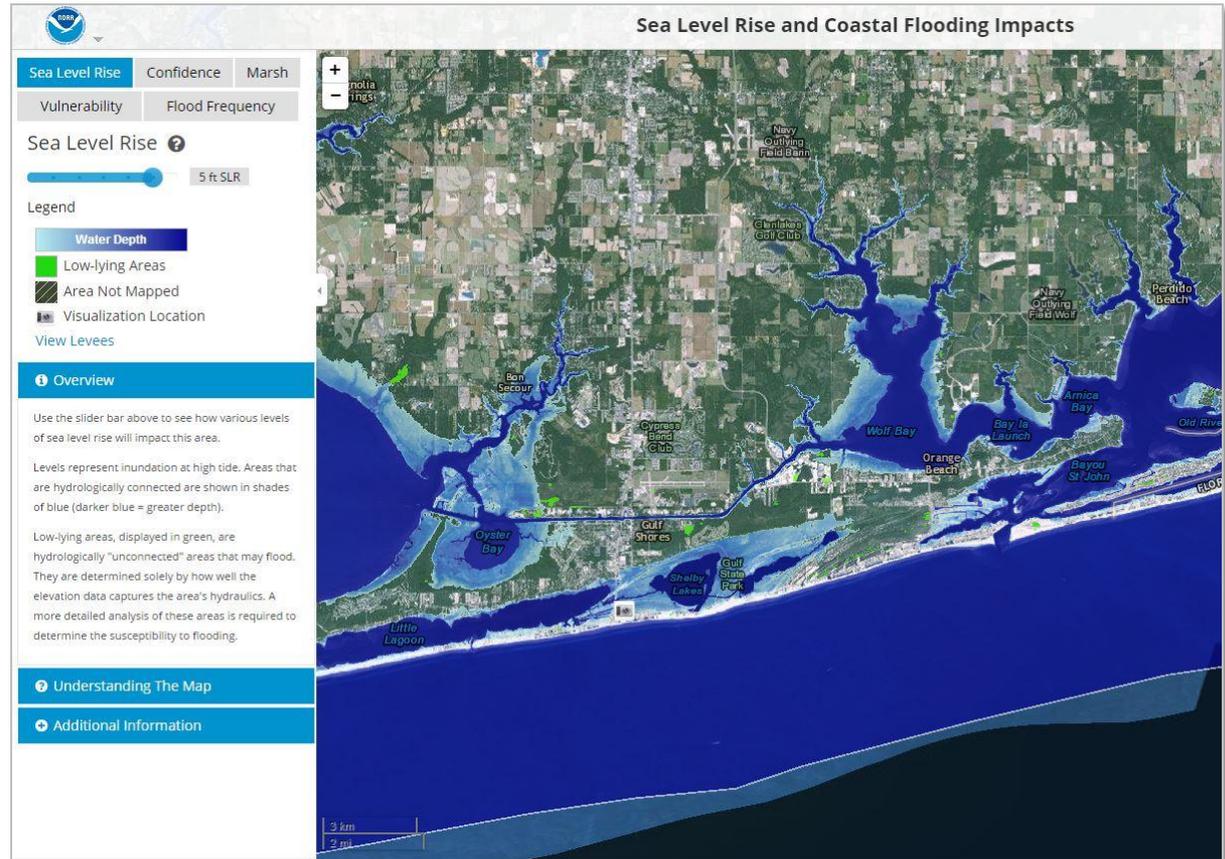
Henry.hodde@noaa.gov



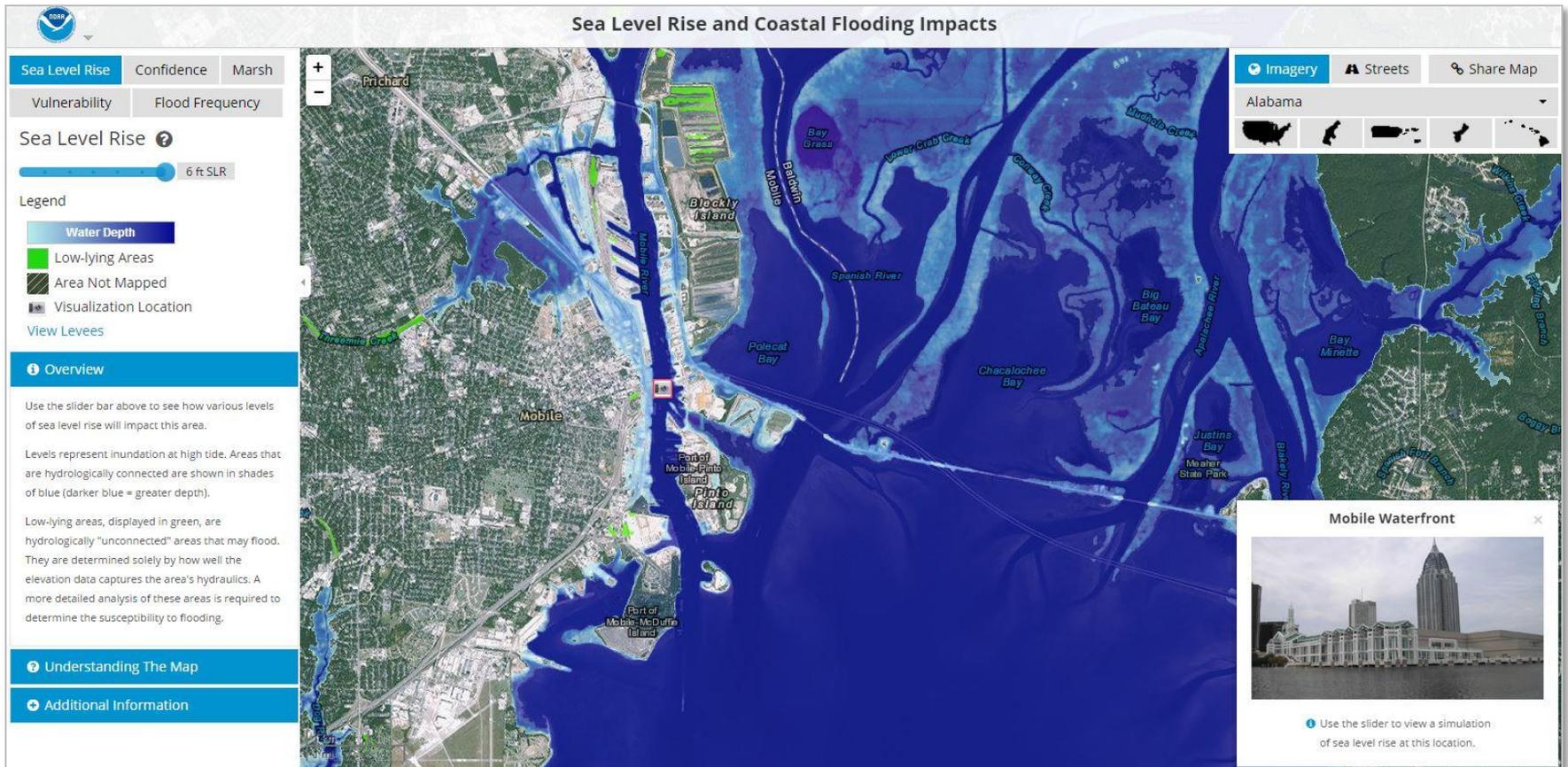
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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Visualize Flooding

- Displays potential flooding
- Provides simulations of flooding at local landmarks
- Communicates the spatial uncertainty of mapped sea levels
- Overlays social and economic data onto potential flood scenarios



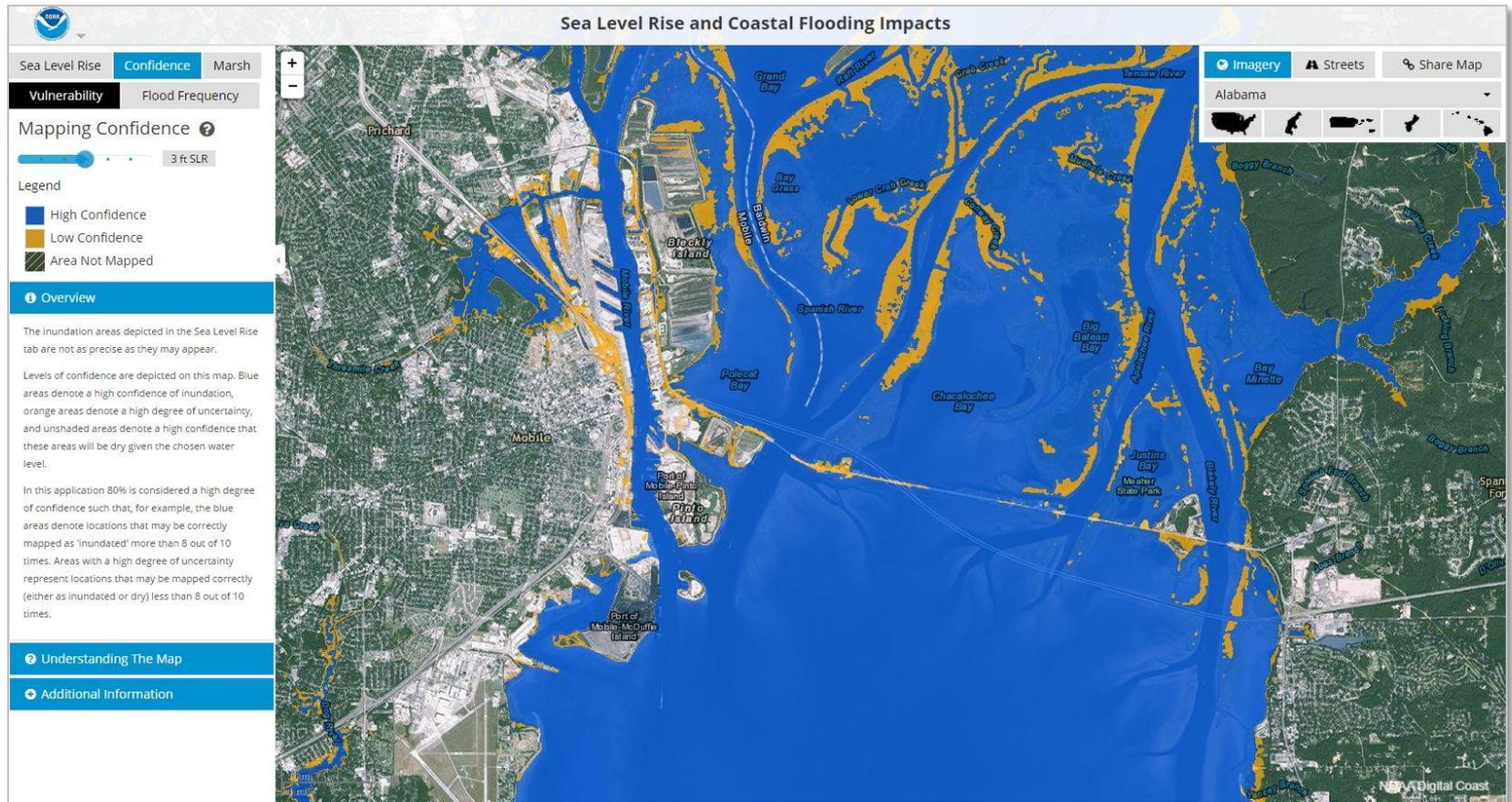
Impacts of Sea Level Rise



Visualize impacts for 6-foot SLR scenarios overlaid on aerial imagery, street map, and terrain map. Photos of SLR on individual structures will illustrate site-specific impacts.



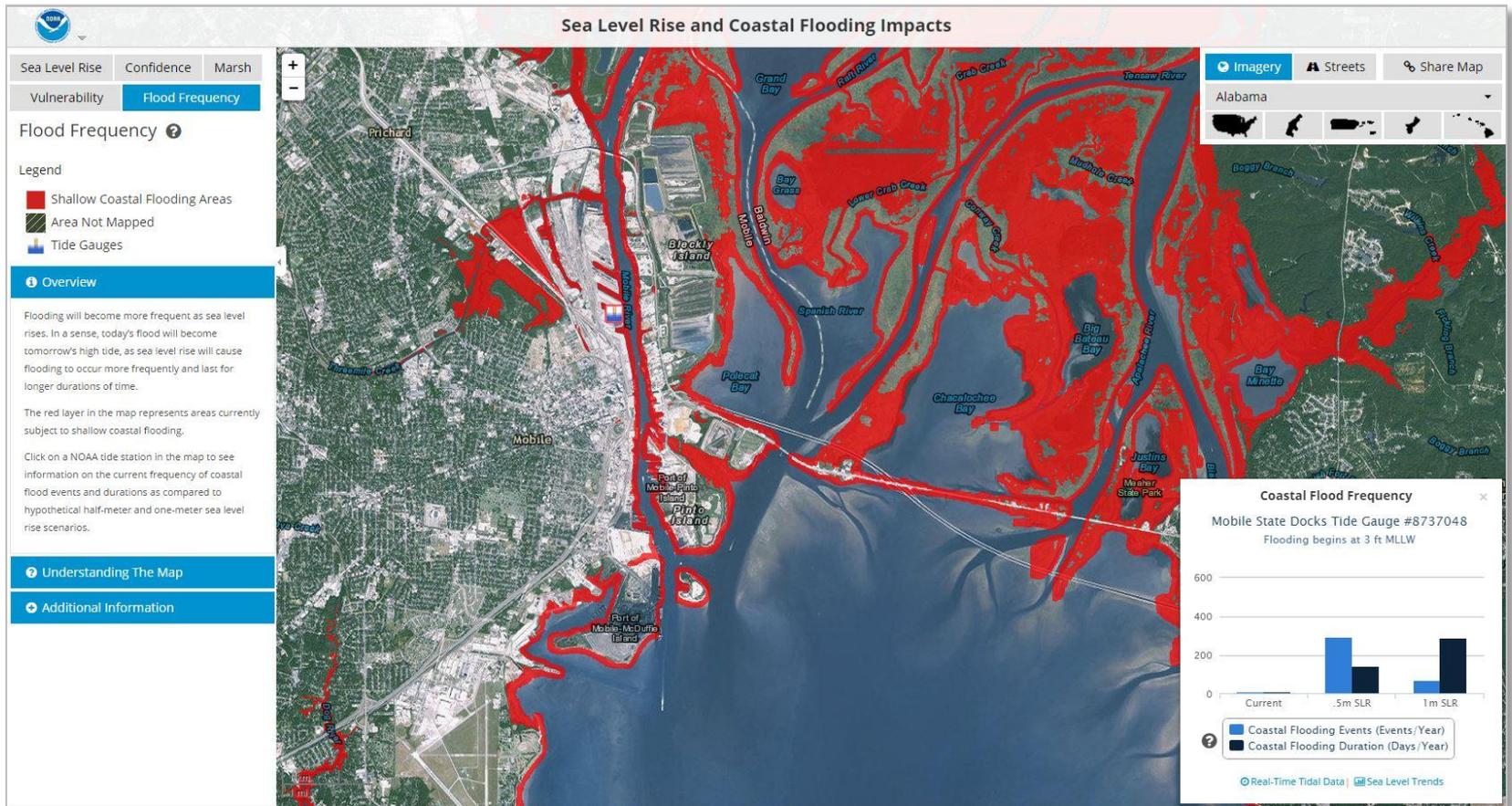
Communicate Mapping Confidence



Visualize the mapping confidence of inundation area based on uncertainty of elevation data and MHHW tidal surface.



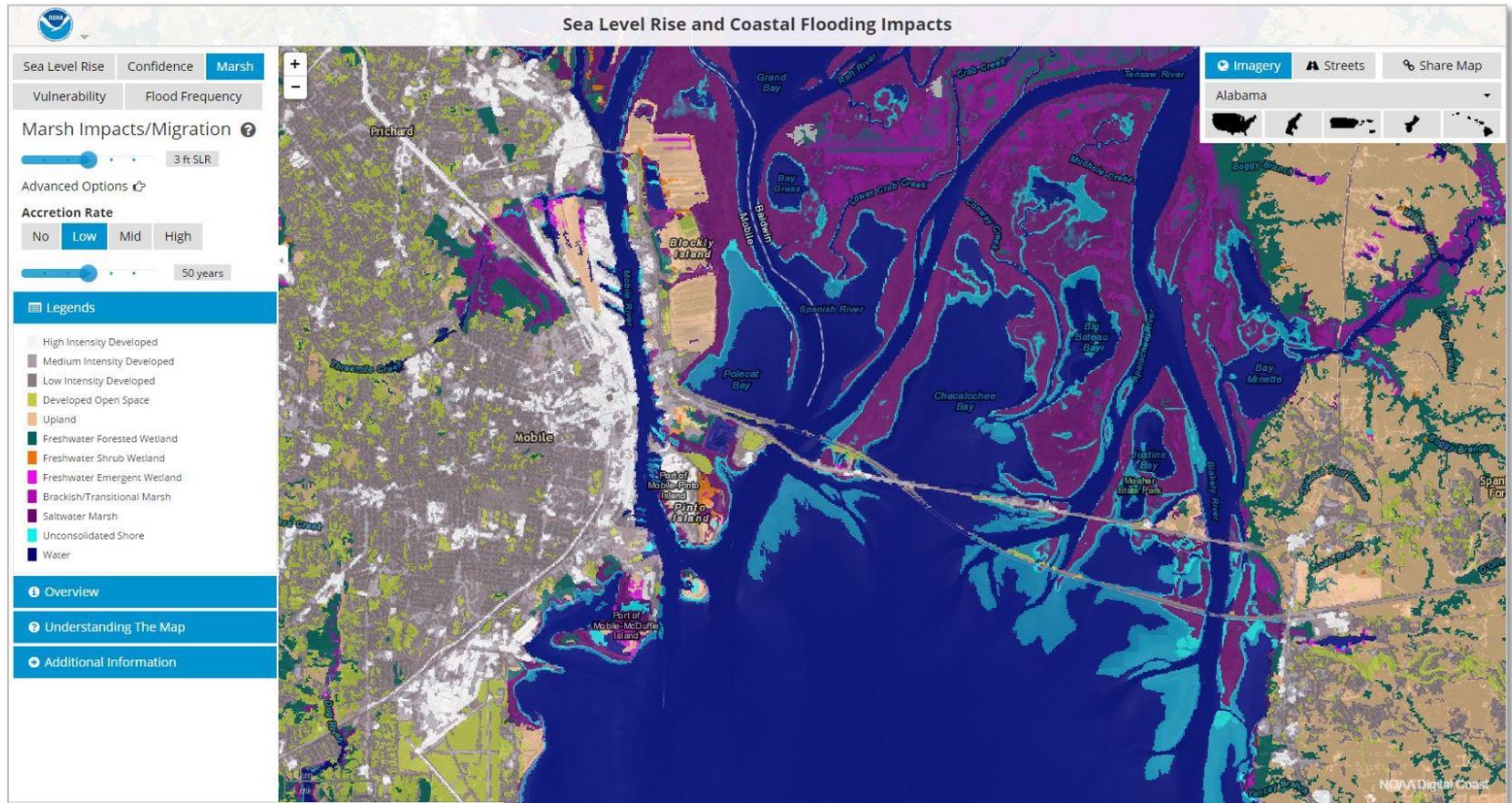
Coastal Flood Frequency



Communicate that today's flood in tomorrow's high tide. Use three years of observed water level data at National Ocean Service Nation Water Level Observation Network (NWLON) stations to show increased frequency of everyday flooding



Visualize Marsh Impacts



Visualize the impacts of SLR scenarios on marshes using Coastal Change Analysis Program (C-CAP) data.



Future: Coastal Flood Exposure Mapper

