NOAA'S DIGITAL COAST

Actionable Information for Coastal Communities

Todd Davison

NOAA Office for Coastal Management

Digital Coast - 3 Things Memo

- Information and Data Delivery – access to relevant coastal data, integrated tools, and training
- Partnership – a constituent-driven approach driving content
- Enabling Platform – resources that help users address their issues

Digital Coast Partnership

NOAA Office for Coastal Management

American Planning Association

Association of State Floodplain Managers

Coastal States Organization

National Association of Counties

National Estuarine Research Reserve Association

National States Geographic Information Council

The Nature Conservancy

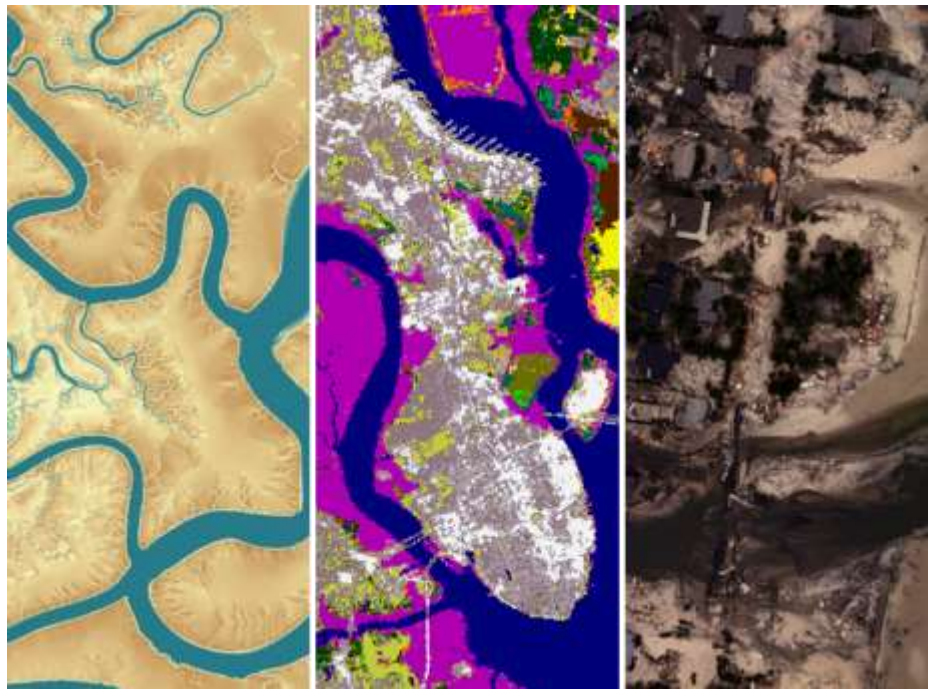
Urban Land Institute

A Small Sampling of Contributors

Federal	State	NGO	Academic	Private
NOAA	Maryland Department of Natural Resources	MAPPS — An Association of Photogrammetry, Mapping, and Geospatial Firms	University of South Carolina	Dewberry
FEMA	Florida Fish and Wildlife Conservation Commission	Resources for the Future	University of Hawai'i	Fugro
USGS — science for a changing world	Mississippi	Climate Central	The State University of New Jersey Rutgers	Photo Science — Geospatial Solutions
US Army Corps of Engineers	Coastal Conservancy	NatureServe	Scripps Institution of Oceanography	sanborn
BOEM — Bureau of Ocean Energy Management		Center for Ocean Solutions	UConn	Woolpert

Digital Coast by the Numbers

- Data—70+ terabytes of high-resolution elevation and land cover data, and orthoimagery. Linkages to 40+ national-level coastal data sets.
- Tools--An inventory of 60+ tools – many provide visualization and analysis capabilities without need for GIS software
- Training--140 learning resources, including several instructor-led and self-paced web-based courses
- Stories from the Field—100+ narratives that demonstrate the application of geospatial information to coastal issues



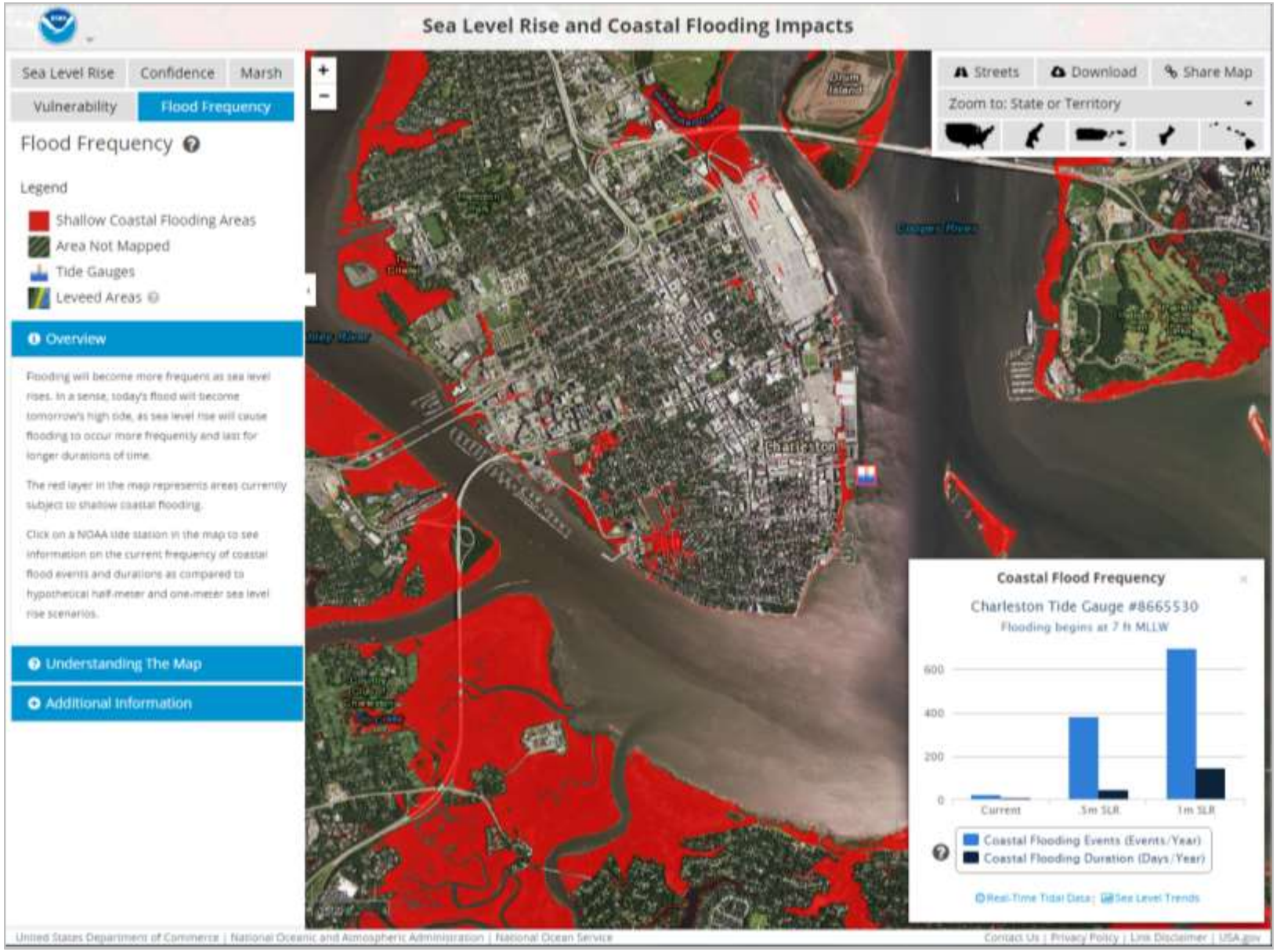
A Broad Spectrum Approach: Facilitating Use and Application

DISCOVER DOWNLOAD MAP ANALYZE LEARN SHARE

DATA INFORMATION ACTION

Sea Level Rise Viewer

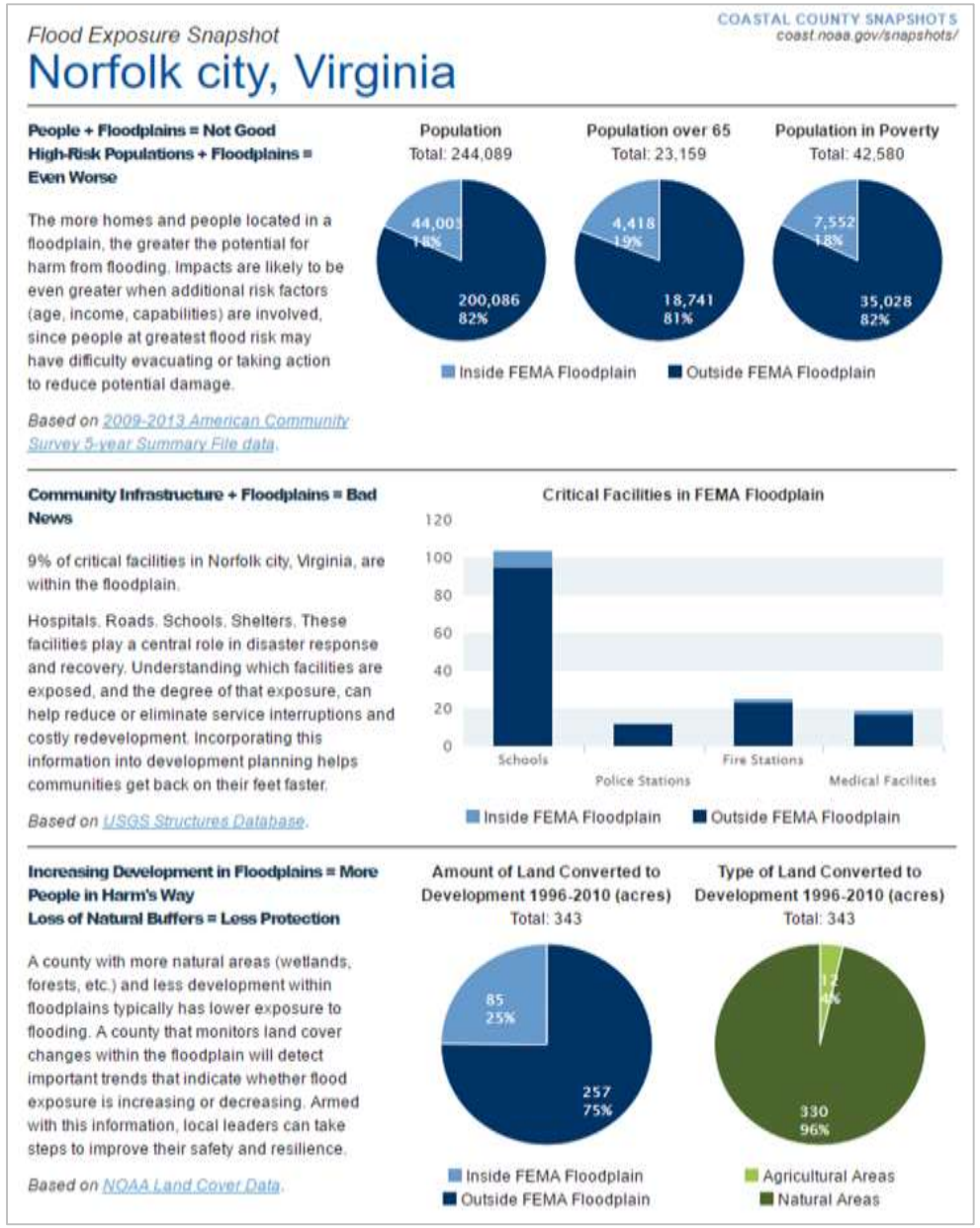
- Simulate future sea level rise or coastal flooding 1 to 6 feet above MHHW
- Provides information about marsh impacts, nuisance flood frequency, and socioeconomic impacts.
- Confidence maps are also provided so users can visualize uncertainty levels in flooded areas.

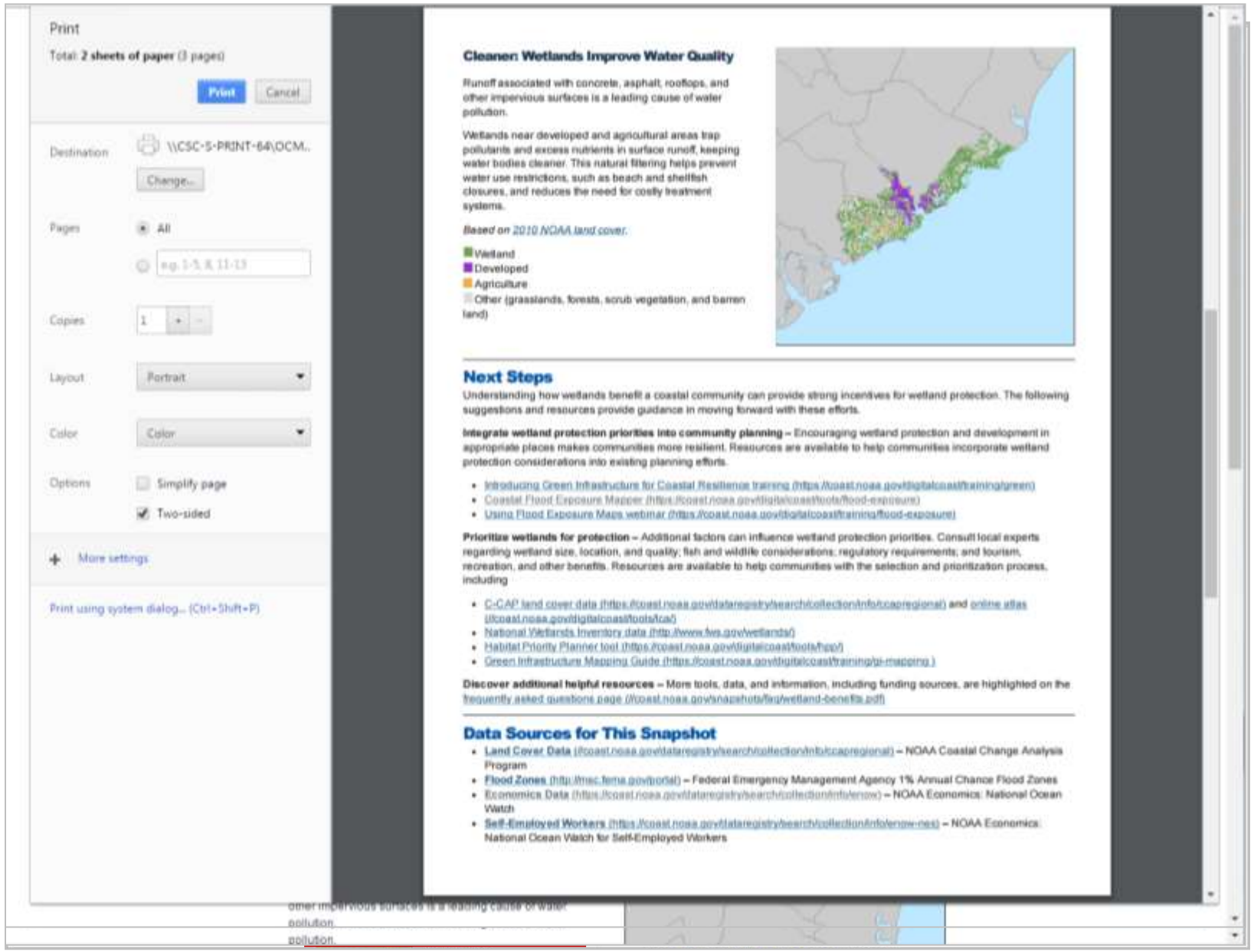


Coastal County Snapshots

Complex Data Made Simple

Flooding | Economics | Wetlands





Coastal County Snapshots

- Turns complex data into easy-to-understand handouts, complete with charts and graphs
- Three snapshots available – County's Flood Exposure; Ocean or Great Lakes Economy; Wetland Benefits
- Allows users to download a PDF report for the snapshot of their choice

Training

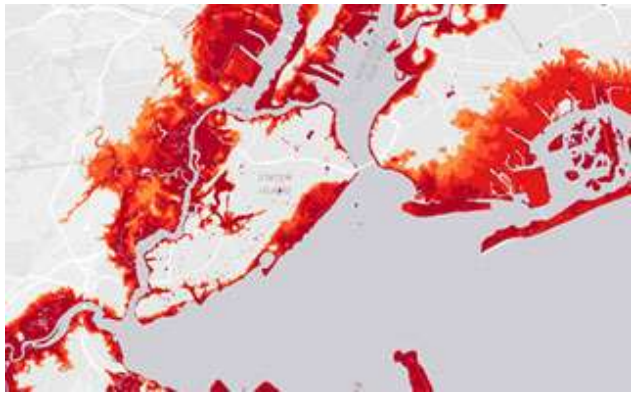
Scheduled Courses

- 7 Classroom, instructor-led
- 3 Online, instructor-led
- 2 Mixed delivery

On-Demand Products

- 17 Self-guided resources
- 7 Case studies
- 47 Publications
- 17 Quick References
- 27 Videos and webinars

Green Infrastructure Planning



Using Flood Exposure Maps

Community Planning and Development

Adaptation for Coastal Communities

Stories from the Field

- 100+ place-based narratives highlighting the application of Digital Coast resources to coastal management issues
- Focus on partners and outcomes

Connect with the Digital Coast

https://coast.noaa.gov/DigitalCoast

10 YEAR DIGITAL COAST ANNIVERSARY

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