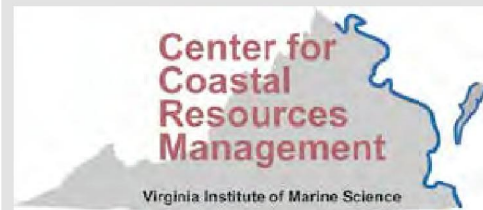


Road Flooding & Community Access

Pamela Braff

Building Momentum for Coastal Resilience

May 1, 2019

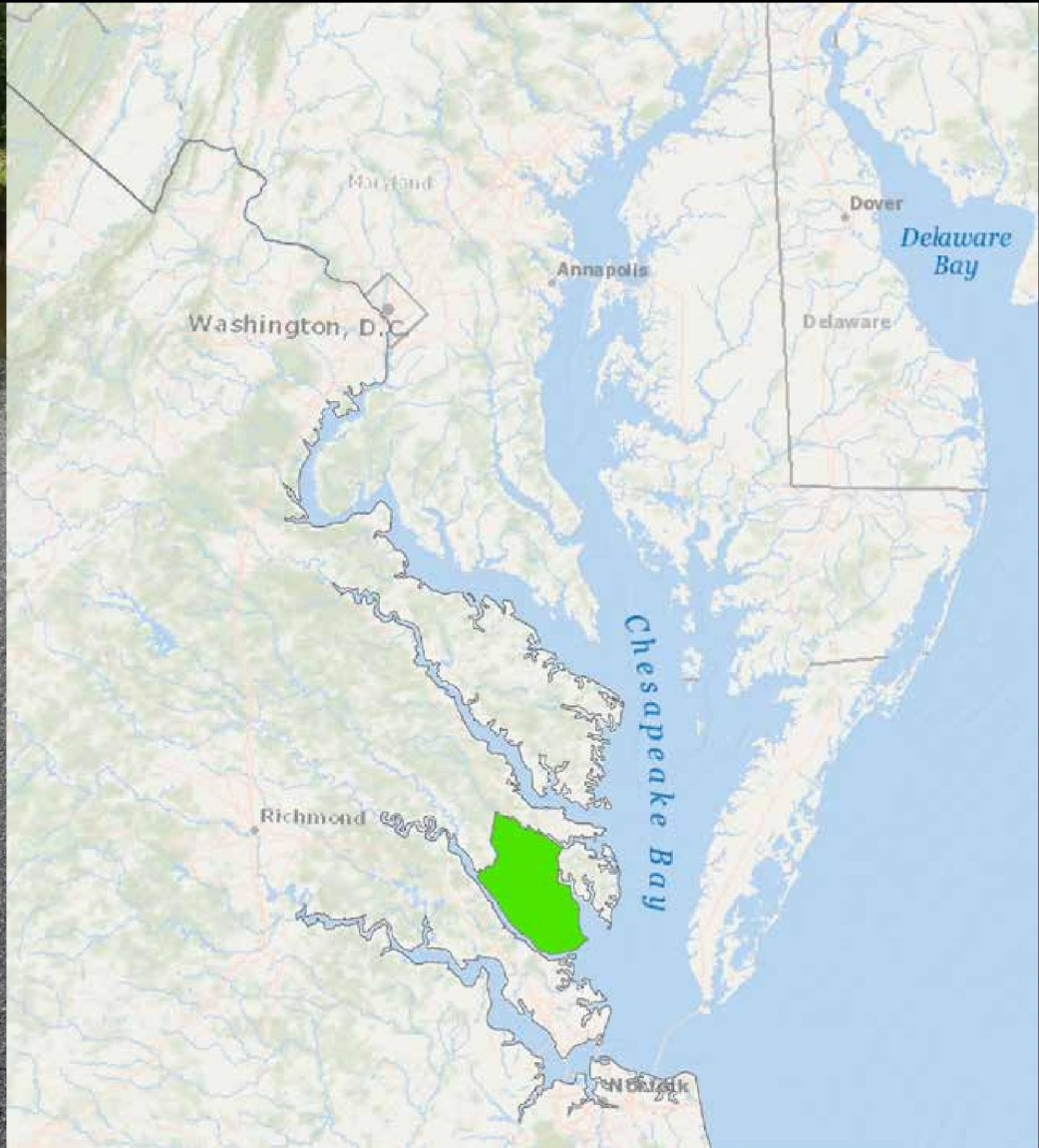


- Precipitation
- Storm surge
- High tides

L. Todd Spencer, The Virginian-Pilot

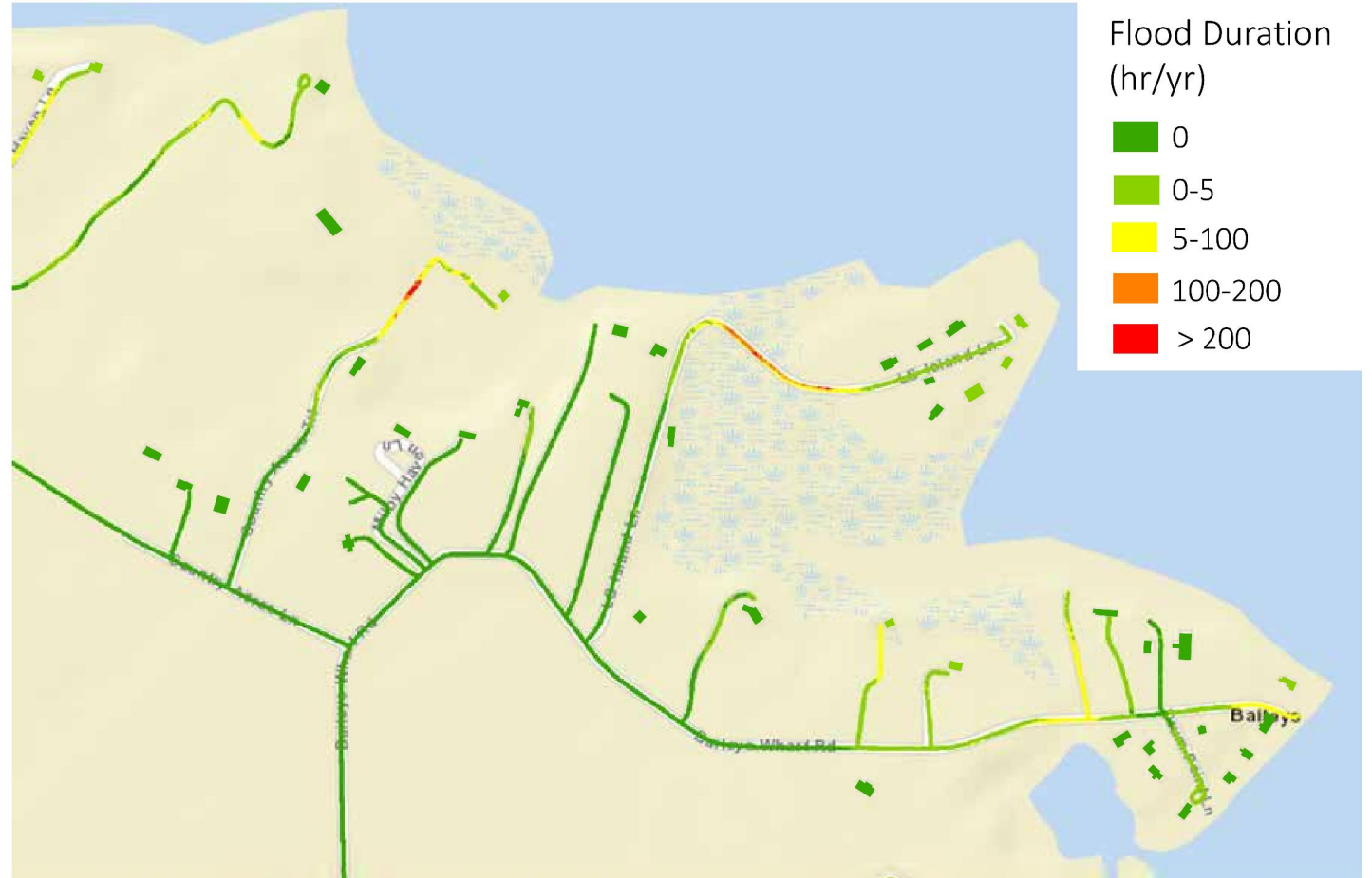


Stephen M. Katz, The Virginian-Pilot



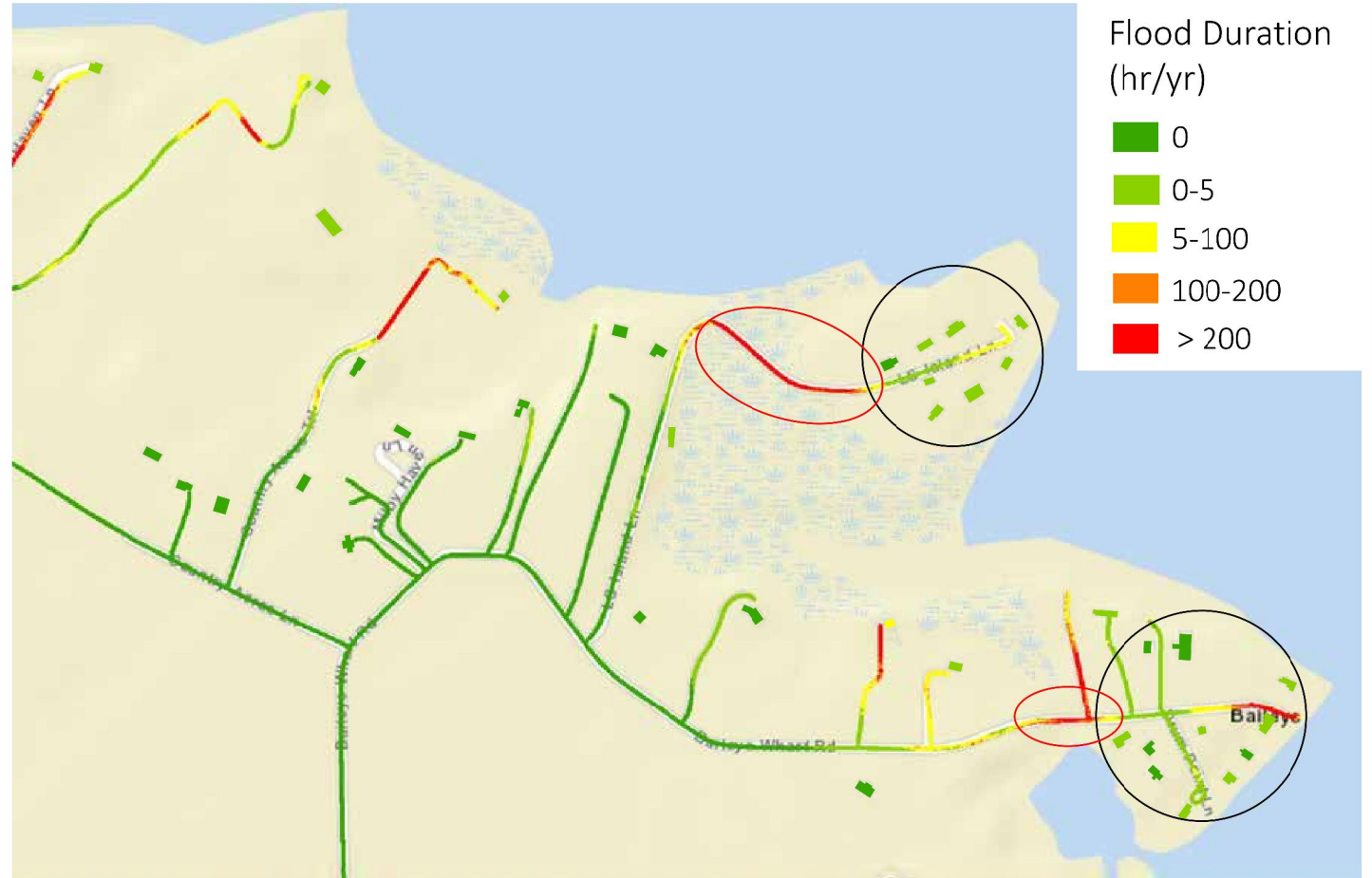
Average Annual Flood Duration (2000 – 2017)

- Road: 4 inches
- Building: 1st floor elevation



Average Annual Flood Duration by 2050

- Road: 4 inches
- Building: 1st floor elevation



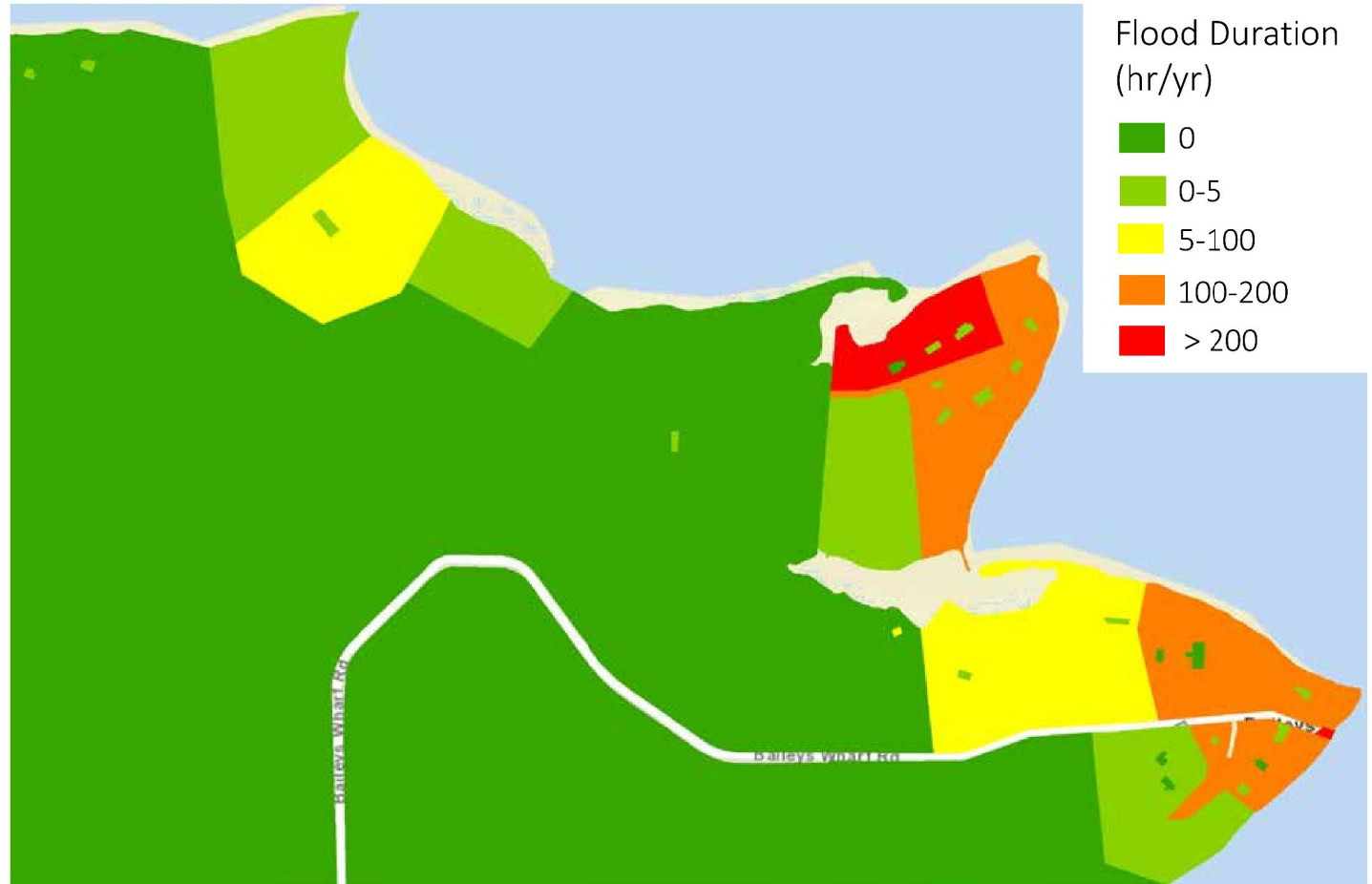
Average Annual Flood Duration (2000 – 2017)

- Road Network Analysis



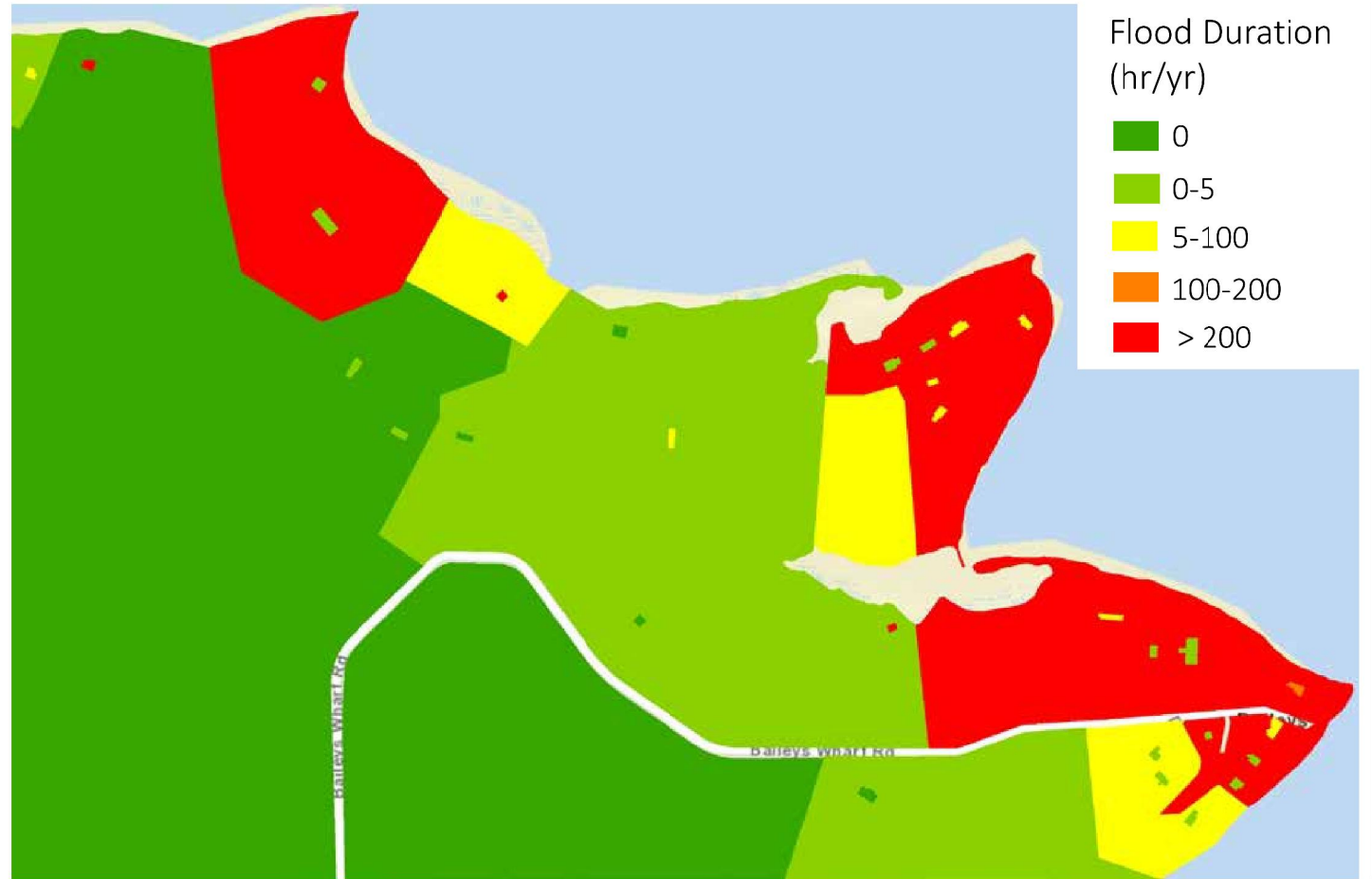
Average Annual Flood Duration by 2050

- Road Network Analysis



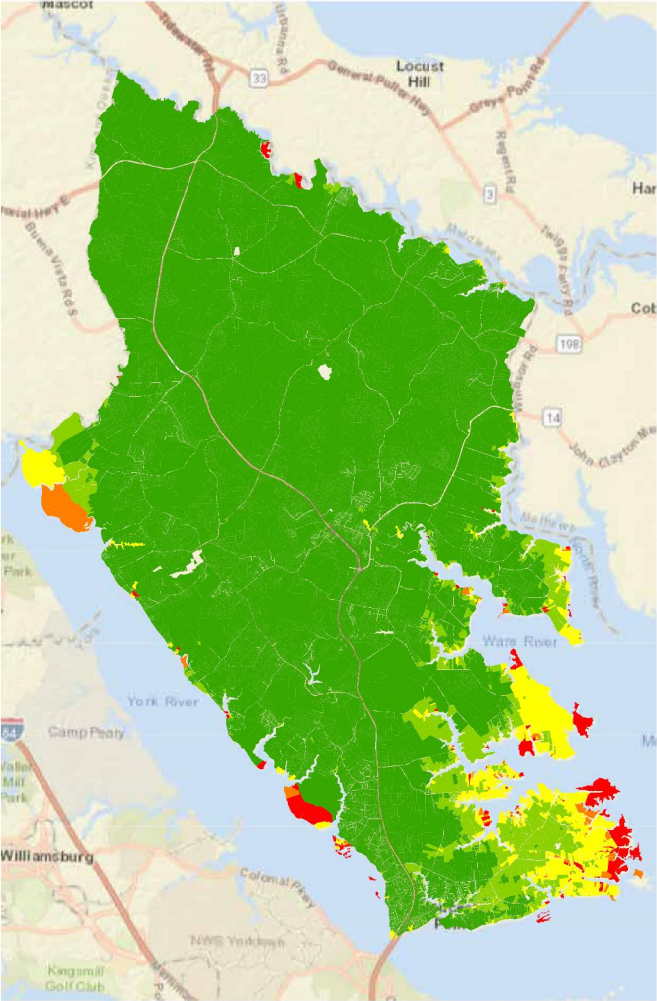
Average Annual Flood Duration by 2100

- Road Network Analysis

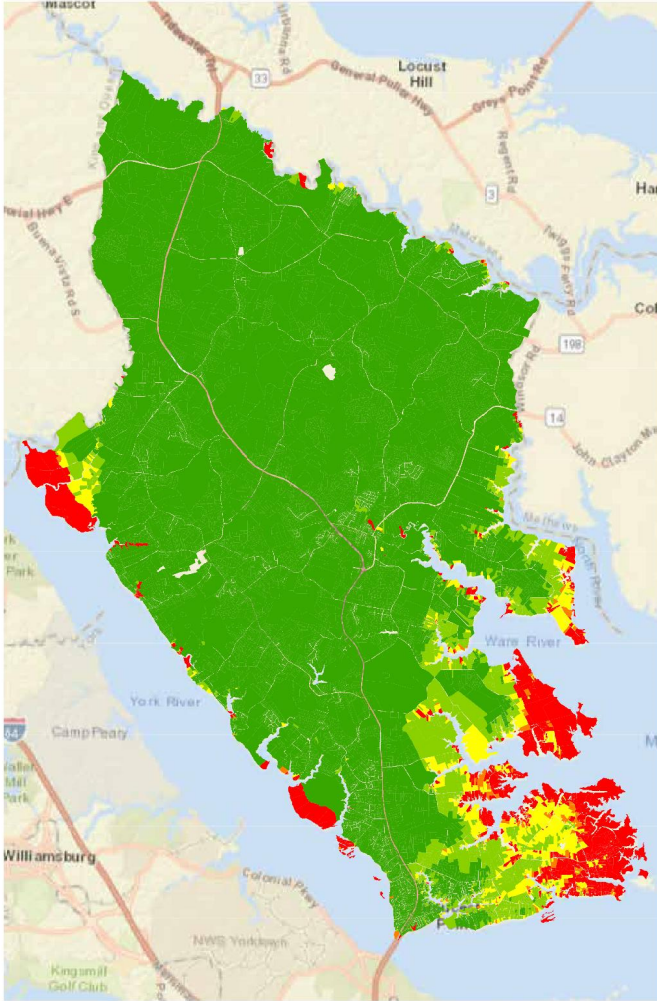


Road Network Analysis

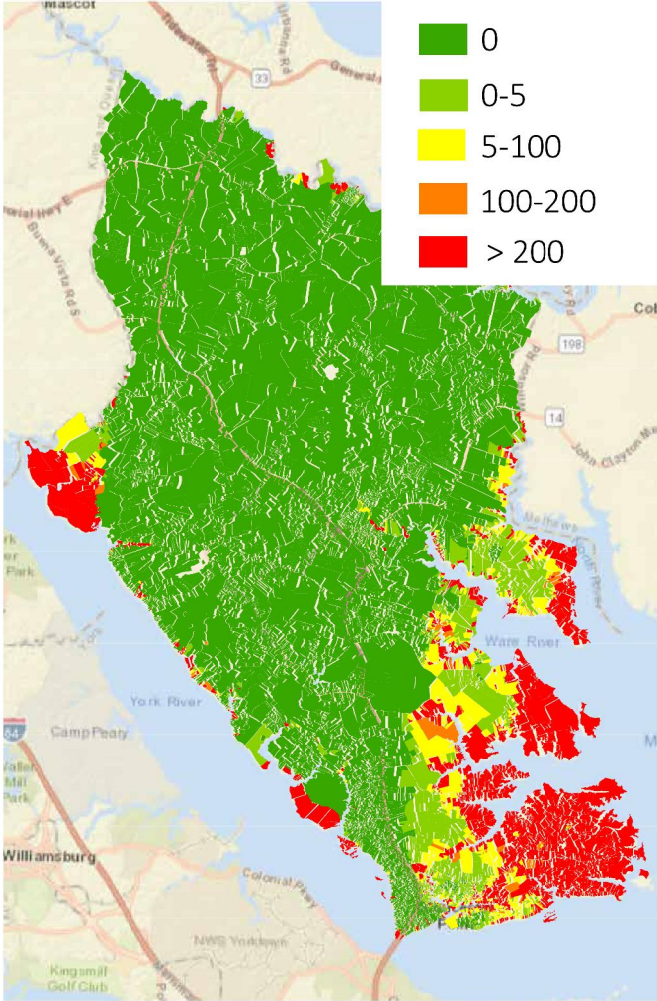
Flood Duration (hr/yr)



2000 - 2017



2050



2100

Next Steps

- Include additional coastal localities
- Analysis of strategies and legal issues to consider



Thank you!

Pamela Braff
phbraff@vims.edu

L. Todd Spencer, The Virginian-Pilot