

EST. 1565

STAUG#STINE

CELEBRATING 450 YEARS

Commission Meeting - February 27, 2017

Outline

Background

Common
Tidal
Flooding

Vulnerability
Analysis





Common Tidal Flooding in St. Augustine



Photos taken in October 2014 during a Nor'easter

Common Tidal Flooding in St. Augustine

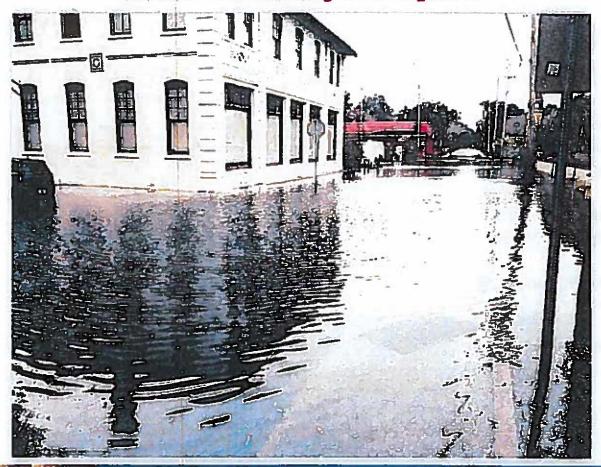


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Photos taken in October 2014 during a Nor'easter



Common Tidal Flooding in St. Augustine



Photos taken in October 2014 during a Nor'easter

FDEO Coastal Vulnerability Assessment

Used three flood hazard types for assessment (NAVD88):

- Mean Higher High Water (MHHW) @ 2-ft
- Nuisance Flooding @ 3.75-ft
- 1% Flood @ 6-10-ft

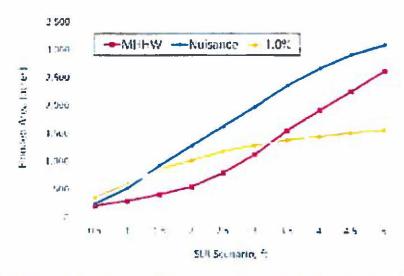


Figure 2. Changes in flooded orea by flood type. Note rapid growth of nuisance flood areas, which is shared by MHHW after 2 ft of SLR. The 1% annual chance floodplain experiences slow growth after 1.5 ft of SLR.





FDEO Coastal Vulnerability Assessment

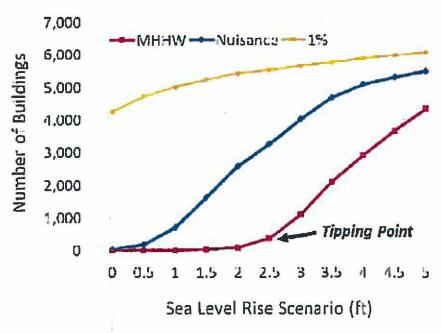


Figure 14. Number of buildings (commercial, residential and municipal) affected by MHHW, nuisance, and the 1% flood level in each SLR scenario.



FDEO Coastal Vulnerability Assessment

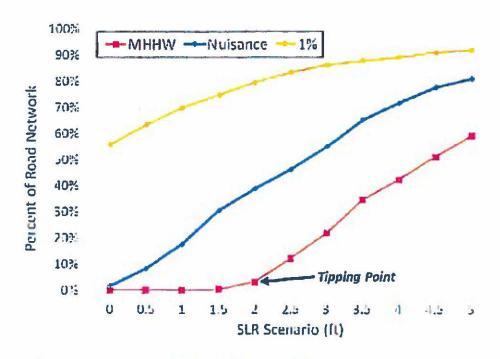
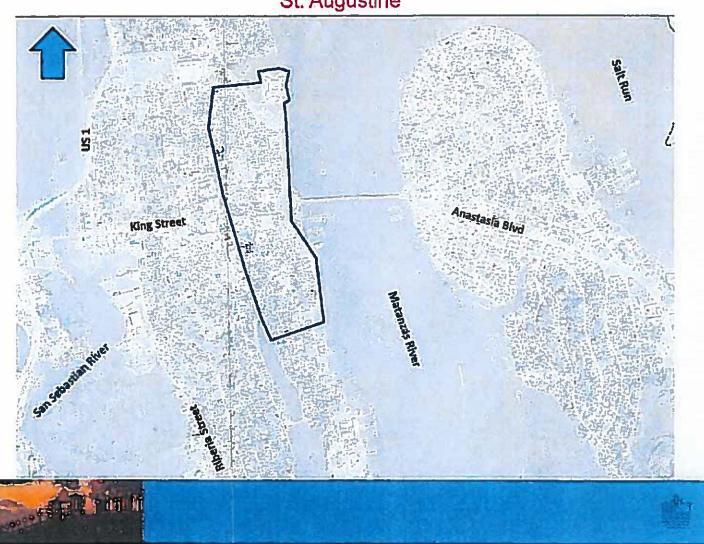


Figure 9. Percent of road network affected by MHHW, nuisance, and the 1% flood level for each SLR increment.



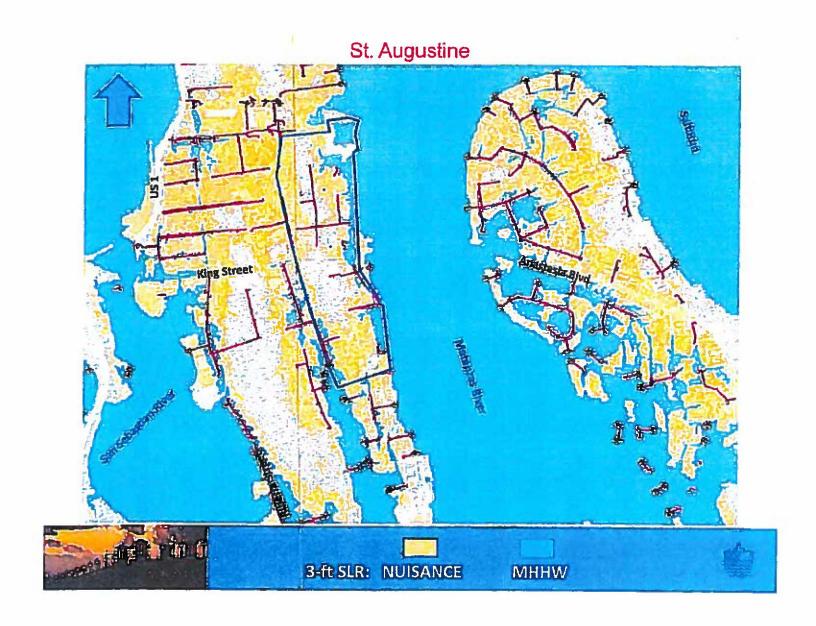


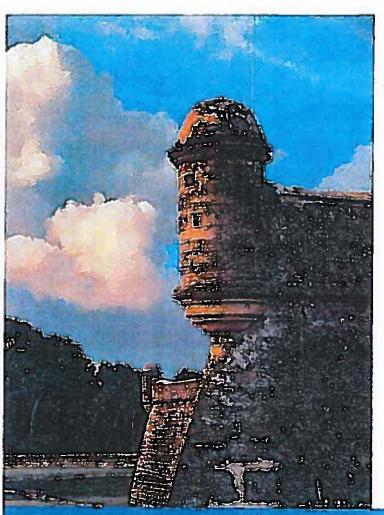
St. Augustine











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Reference

Coastal Vulnerability Assessment: City of St. Augustine, Florida June 24, 2016

Discussion / Questions

Reuben C. Franklin Jr., P.E., CFM
Project Engineer
Public Works Department
City of St. Augustine
rfranklin@citystaug.com

THANK YOU!

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