

Infrastructure Vulnerability Profile



NOAA Coastal Services Center
LINKING PEOPLE, INFORMATION, AND TECHNOLOGY

Infrastructure Vulnerability Profile

Objectives:

- To identify key infrastructure concerns related to the pre-defined hazards and issues
- Identify needed actions to address these concerns



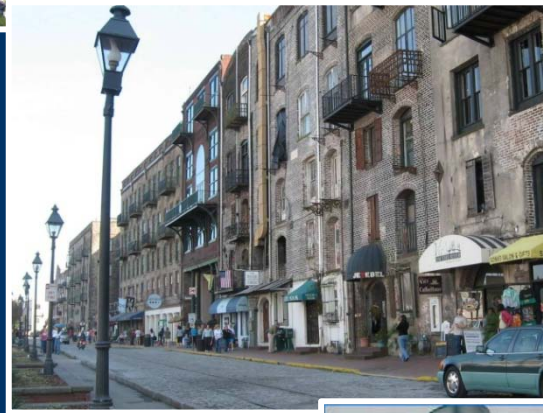
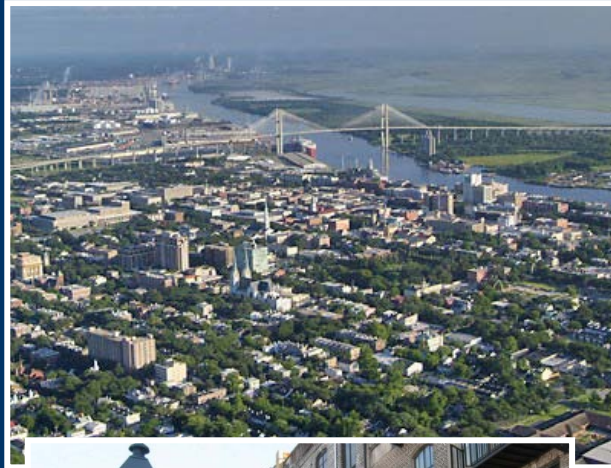
Infrastructure Vulnerability Profile

- What infrastructure is exposed to current hazard threats?
- What vulnerabilities exist?
- Are current management decisions making infrastructure vulnerable to future conditions/risks?



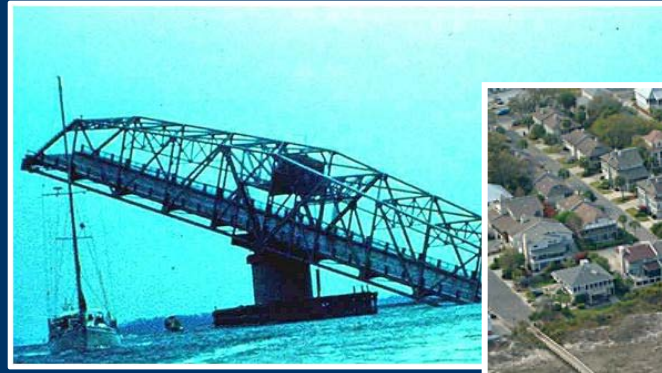
What infrastructure is exposed?

- Transportation
- Housing
- Sewer and Water
- Emergency facilities
- Special needs facilities



What vulnerabilities exist?

- Location of structure
- Building practices
- Type of housing
- Susceptibility
- Age of structure
- Service demands



Future Risk Considerations

- Are land use decisions today putting housing infrastructure in harms way?
- Are capital improvements being made on roads and bridges accounting for future conditions/risks?
- Are engineering standards used today accounting for future conditions?
- Are new critical facilities being sited in areas away from future risk areas?

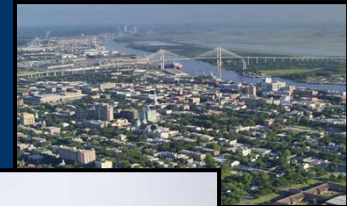




Older housing may not have been built to modern codes which lessen impacts from flooding or wind. What are the ages of the homes in your county? Do you enforce building codes in new development?



Housing developments located in higher risk areas may be susceptible to coastal flooding. Where will future housing demands be met within the county?



What percentage of your wetlands have been converted to development? Are land use practices conserving wetlands, that provide protection against flooding?

Infrastructure Vulnerabilities:
Things to consider



Critical facilities that provide emergency response or water distribution services will not be operational if they are vulnerable to natural hazard impacts.

A routine rain event caused roads to flood. Are events like this occurring more often and increasing repair costs not budgeted for by the county? Are there major roads that citizens need to use every



Your Charge

Considering the identified priority hazards...

- What are your main concerns about your group's infrastructure & operations vulnerabilities?
- Identify specific actions to reduce these vulnerabilities.



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