

Rhode Island Flood Mitigation Association April 30, 2019

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City of Hampton, Virginia















Dutch Dialogues



2015 CHARRETTE EVENT

"LIVING WITH WATER" THEME

HAMPTON COMMITTED TO CONTINUE EFFORT







IT'S ABOUT A CATALYST





Resilience is

The **bolstering** of a community's inherent strengths to alleviate chronic stresses and **enable recovery** from extreme events and shocks in ways that makes the community **even stronger** than before.

Aim to be resilient...before the storm!



Forces of Water



Relative Sea Level Rise



(Sea Level Rise)

(Subsidence)



Approach



Guiding principles Goals Values

Versus just engineering



Place-based analysis









IT'S ABOUT PLACE



Community Engagement





TANPTO

IT'S ABOUT EXPERIENCES





Utilities and Critical Infrastructure at Risk

A significant amount of critical infrastructure is currently located in areas at risk for flooding. This map shows those assets which are located in the 100-year floodplain. Several public safety facilities, such as fire and police stations, are vulnerable. Similarly, a wide range of institutions, from schools to municipal offices to community centers and health clinics, are also at risk. Not shown on the map are assets, such as pumping stations, which must be located in at-risk places.





Repetitive Loss

Areas of repetitive loss are those which have been inundated several times and received damage, which may have been covered by flood insurance. These areas should be addressed within a resilience citywide strategy. As shown on the map above, areas of repetitive loss frequently correspond with areas of recorded street flooding. Repetitive Loss Cluster Repetitive Loss Zone Recorded Flooding 100-Year Floodplain Existing Buildings



What's at risk?



Feet Above Sea Level



Public Property

Public Property Public worked properties — municipal, state, and federal government — provide an opportunity for resilient development. These sites can be used to demonstrate smar practices in different conditions: adaptation for low lying properties, and stormwater storage for upland sites.

Fire Stations Hampton Redevelopment Housing Authority U.S. Federal Government Parks / Open Space

City of Hampton Hampton School Board Economic Development Authority Pump Stations 100-Year Floodplain



Many of Hampton's historic corridors still function as transportation arteries today. This map illustrates the development pattern of the city over time, moving first along the coast, then inland and north from the harbor.

1860 Roads	1860 Development
1907 Roads	1907 Development
1944 Roads	1944 Development
1965 Roads	1965 Development



What are our assets?

WHY HAMPTON?











W &B

MP.

REDIRECT

ADAPT













IT'S ABOUT SCALE













RESILIENT **HAMPTON**

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