

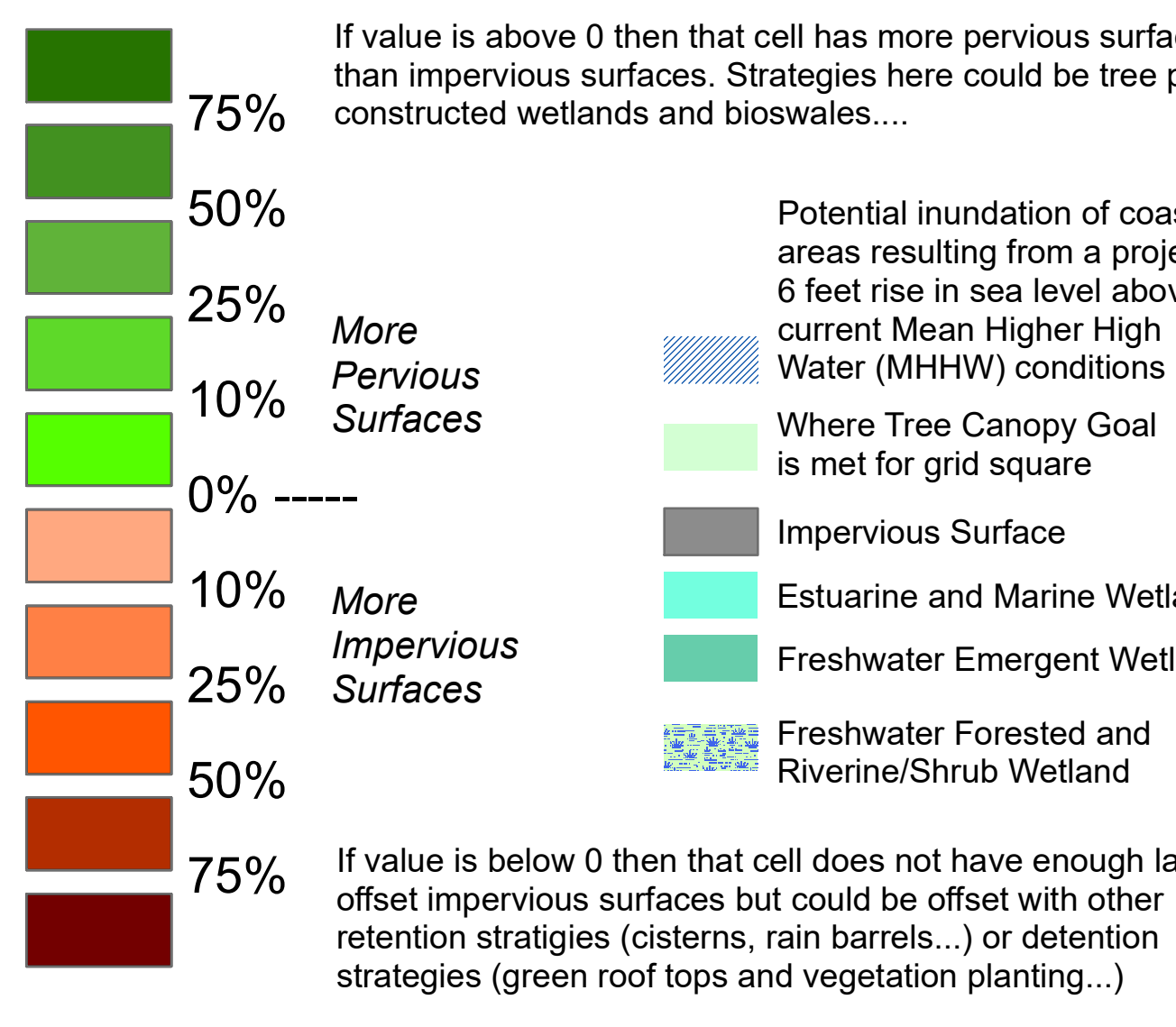
**Scenario:**  
 Area of Influence: 100 feet  
 Sea Level Rise: 6 feet  
 Tree Canopy Goal: 30%

Scenarios Available:  
 Area of Influence: 100 feet, 1 acre, 4 acre  
 Sea Level Rise: 1 - 6 feet  
 Tree Canopy Goal: 30%, 45%, 60%

Source Information:  
 Landcover data from The Virginia Geographic Information Network (VGIN), 2016.  
 Sea Level Rise data from Department of Commerce (DOC), National Oceanic and Atmospheric Administration (NOAA), National Ocean Service (NOS), Office for Coastal Management (OCM), 2016.

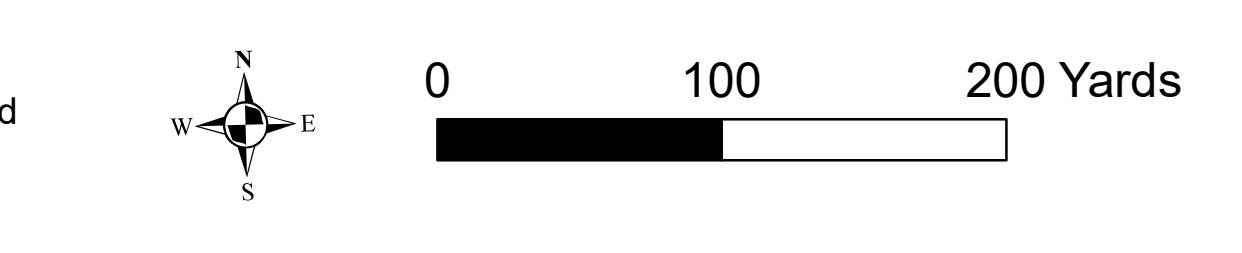
Analysis and Map prepared by The Green Infrastructure Center for the RAFT project, July 2016

### Impervious / Pervious Surface Offset



Other Pervious (Potential Tree Planting Areas):  
 Harvested/Disturbed Turf/Grass Pasture (Cropland Not Included)

**% Impervious - % Other Pervious = Offset**  
**% Impervious + % Other Pervious**



Potential inundation of coastal areas resulting from a projected 6 feet rise in sea level above current Mean Higher High Water (MHHW) conditions

Where Tree Canopy Goal is met for grid square

Impervious Surface

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested and Riverine/Shrub Wetland

Other Pervious: These areas could be potential places to plant trees. They include the following selected landcover features: Harvested/Disturbed Turf/Grass Pasture (Cropland Not Included)

Impervious Surfaces: This value was calculated by dividing the amount of impervious surfaces in a grid square by the total area of the grid square (not including water and existing wetlands).

↑  
**Tree planting and revegetation strategies**  
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**Rainwater detention and storage strategies**