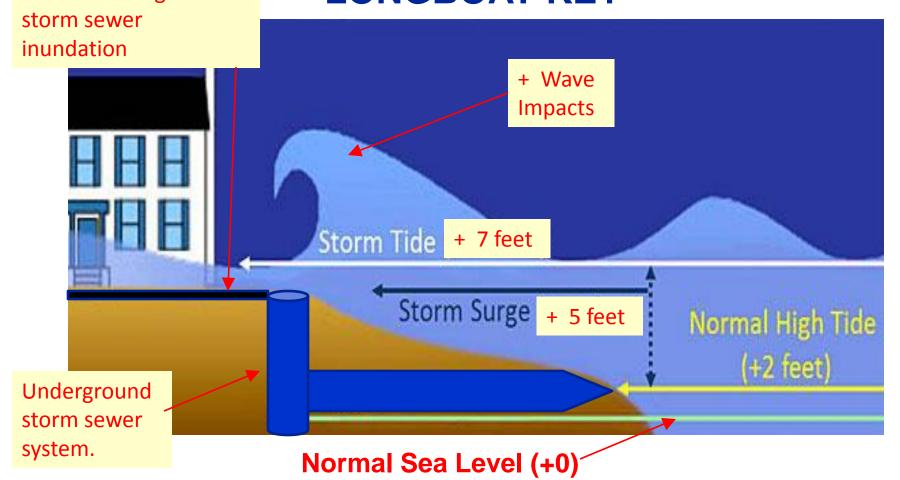


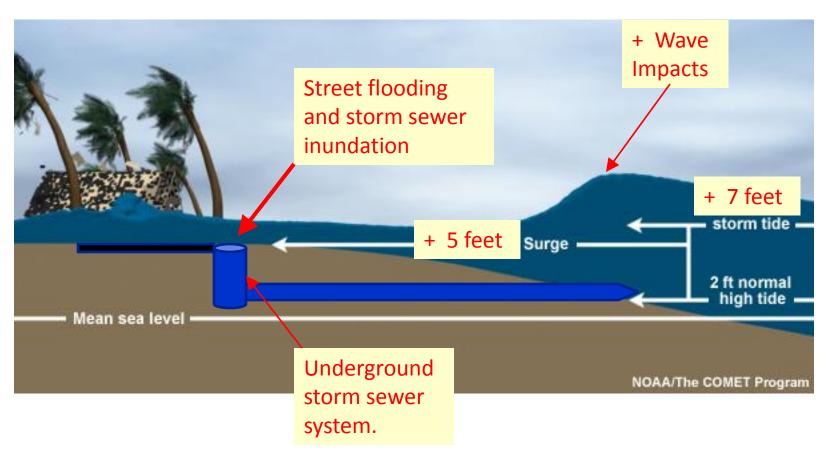
- TIDAL IMPACTS HAVE INCREASED IN HISTORICAL ELEVATIONS
- LUNAR HIGH AND SEASONAL TIDES ARE AT INCREASED ELEVATIONS
- MORE FREQUENT FLOODING EXPERIENCED IN STREETS



Street flooding and LONGBOAT KEY













Photos are from an extreme high tide event of September 2009





The following photos are from an extreme high tide event of September 2009



Street flooding and storm sewer inundation



Photos are from an extreme high tide event of September 2009





RAIN AND TIDAL IMPACTS TO LONGBOAT KEY

Rain / High Tide inundates storm sewer system.

High Tide Level (+2.8)

Underground storm sewer system.

Installed Tide-Flex Valves can only relieve water on out going tide from storm sewer inundation

Normal Sea Level (+0)

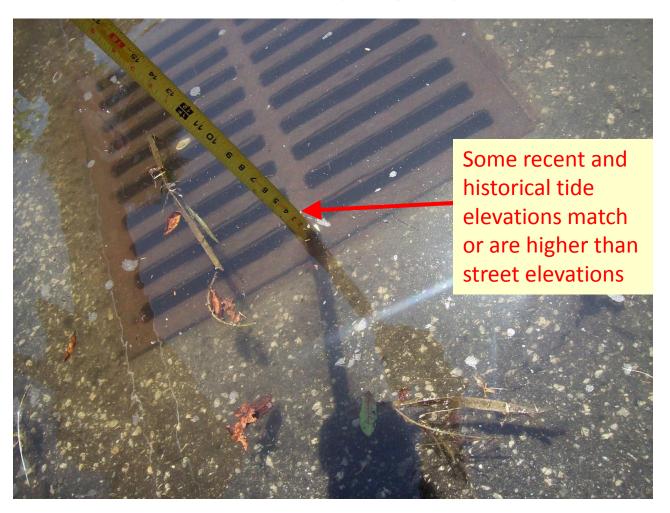














NOAA WEBSITES

http://www.csc.noaa.gov/slr/viewer/# http://www.nhc.noaa.gov/surge/

WEBSITE PROVIDES FORECASTED SEA LEVEL RISE IMPACTS, NATION WIDE, IN ONE FOOT INCREMENTS

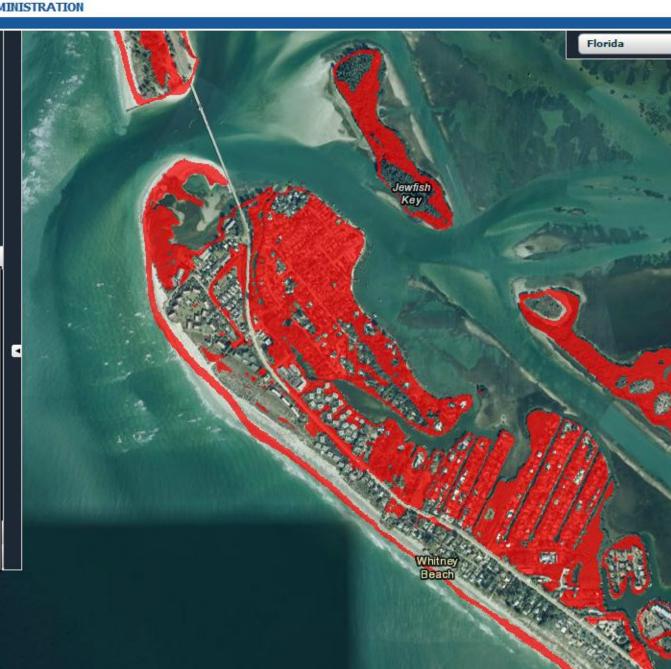
THE FOLLOWING SLIDES INDICATE
POTENTIAL IMPACTS TO THE NORTH
END OF LONGBOAT KEY,
SPECIFICALLY THE VILLAGE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION



Town Of Longboat Key North End and Village

Areas Vulnerable to Coastal Flooding

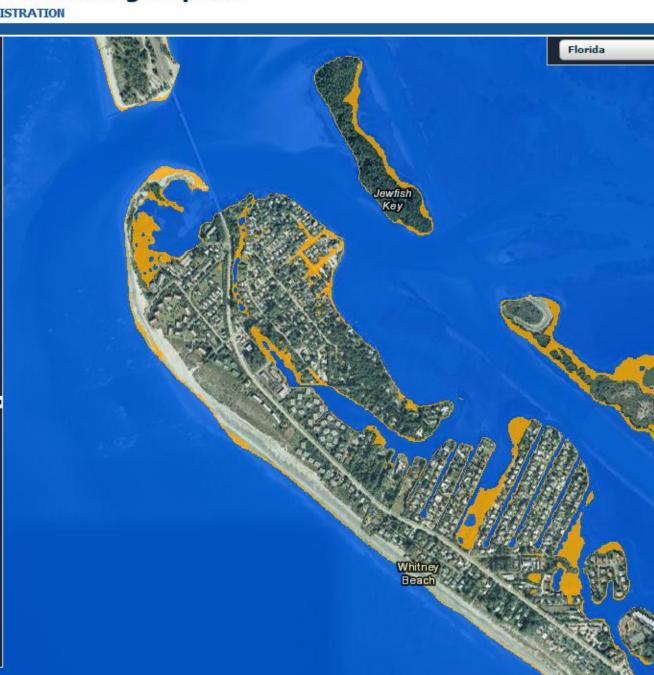


NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION



Town Of Longboat Key North End and Village

Areas Vulnerable to a 20% chance of flooding above current Mean High Water elevations

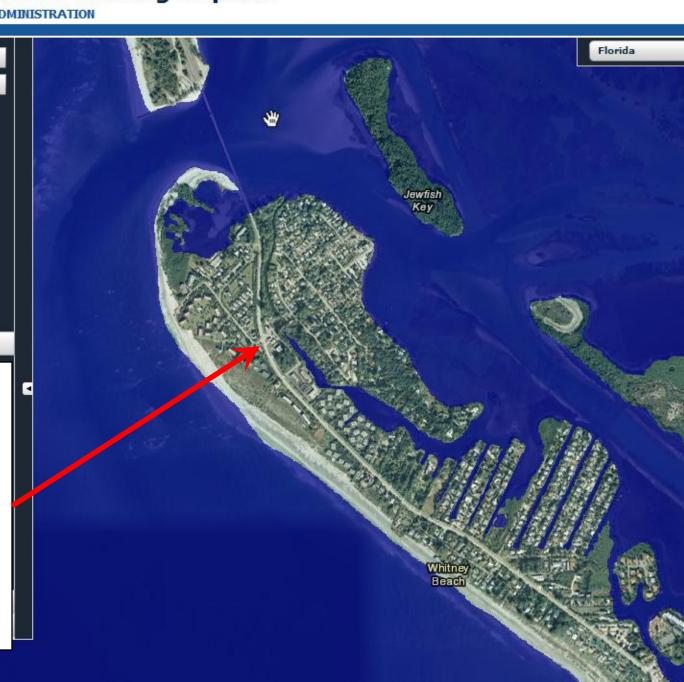


NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

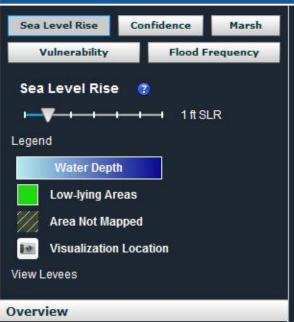


Town Of Longboat Key North End and Village

Normal High tide and sea level

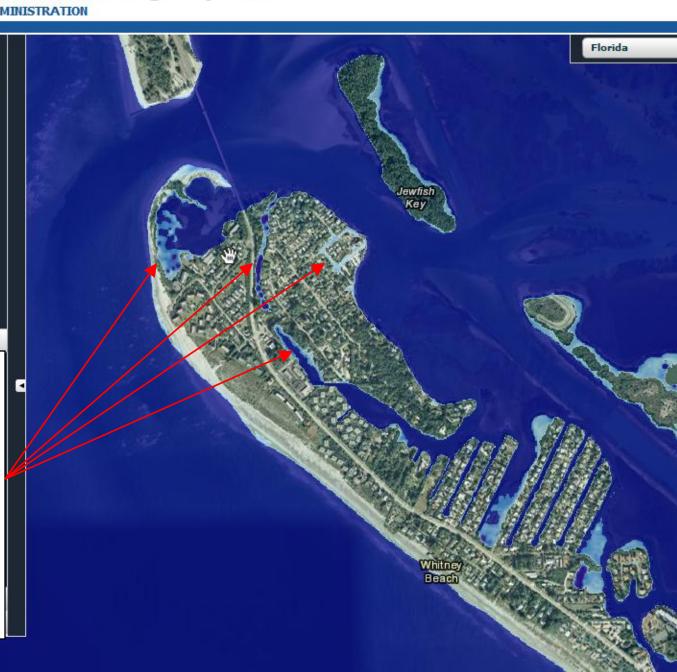


NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

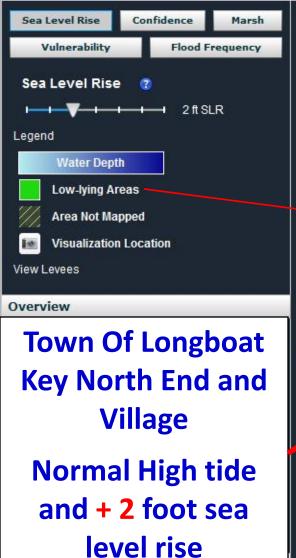


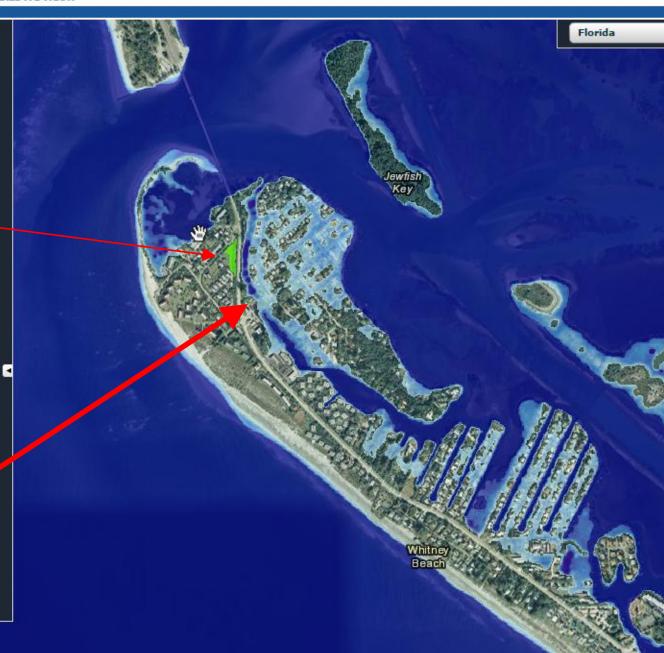
Town Of Longboat Key North End and Village

Normal High tide and + 1 foot sea level rise



NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION



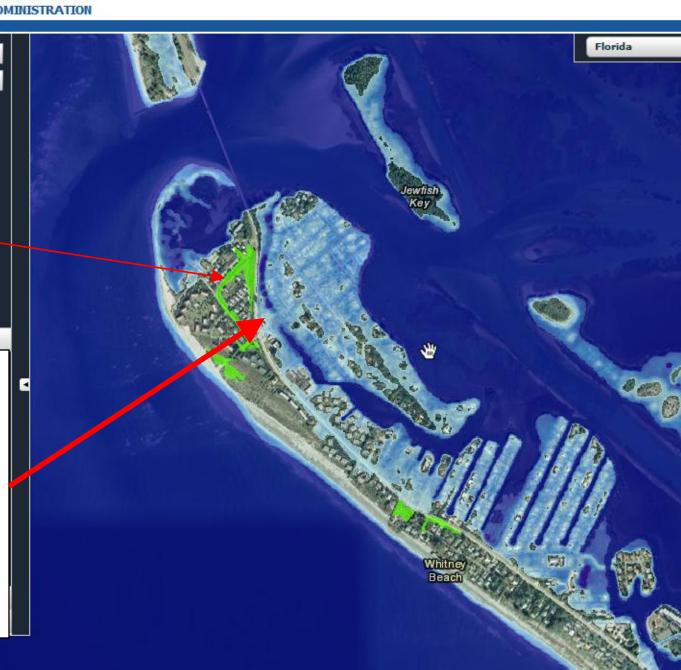


NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION



Town Of Longboat Key North End and Village

Normal High tide and + 3 foot sea level rise

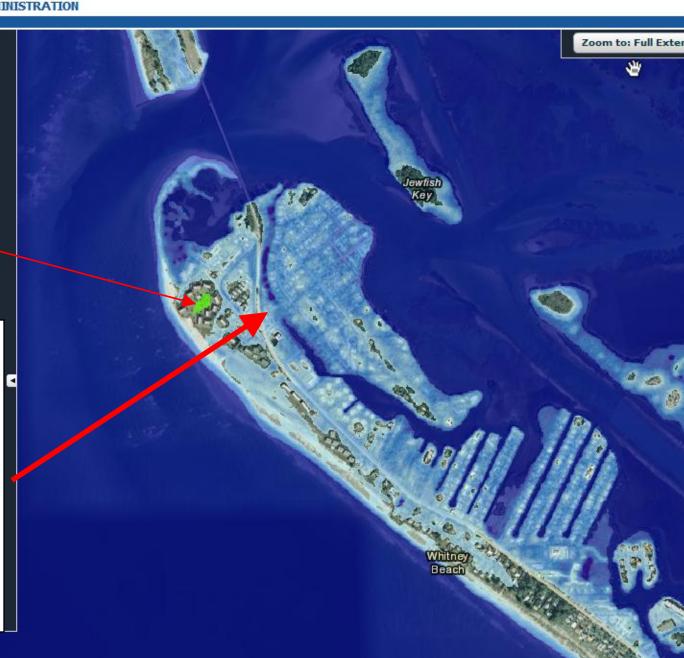


NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

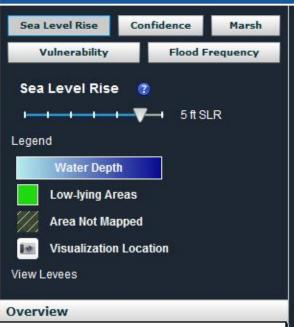


Town Of Longboat Key North End and Village

Normal High tide and + 4 foot sea level rise

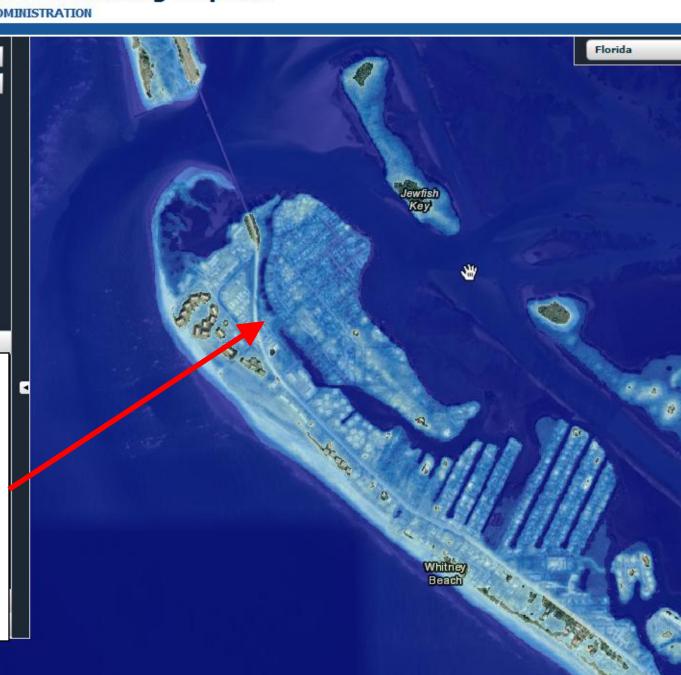


NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

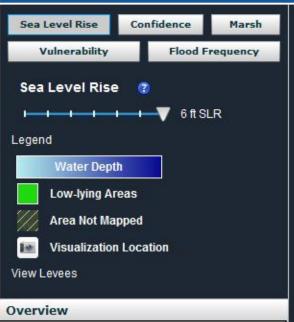


Town Of Longboat Key North End and Village

Normal High tide and + 5 foot sea level rise



NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION



Town Of Longboat Key North End and Village

Normal High tide and + 6 foot sea level rise





QUESTIONS?



6/28/2003