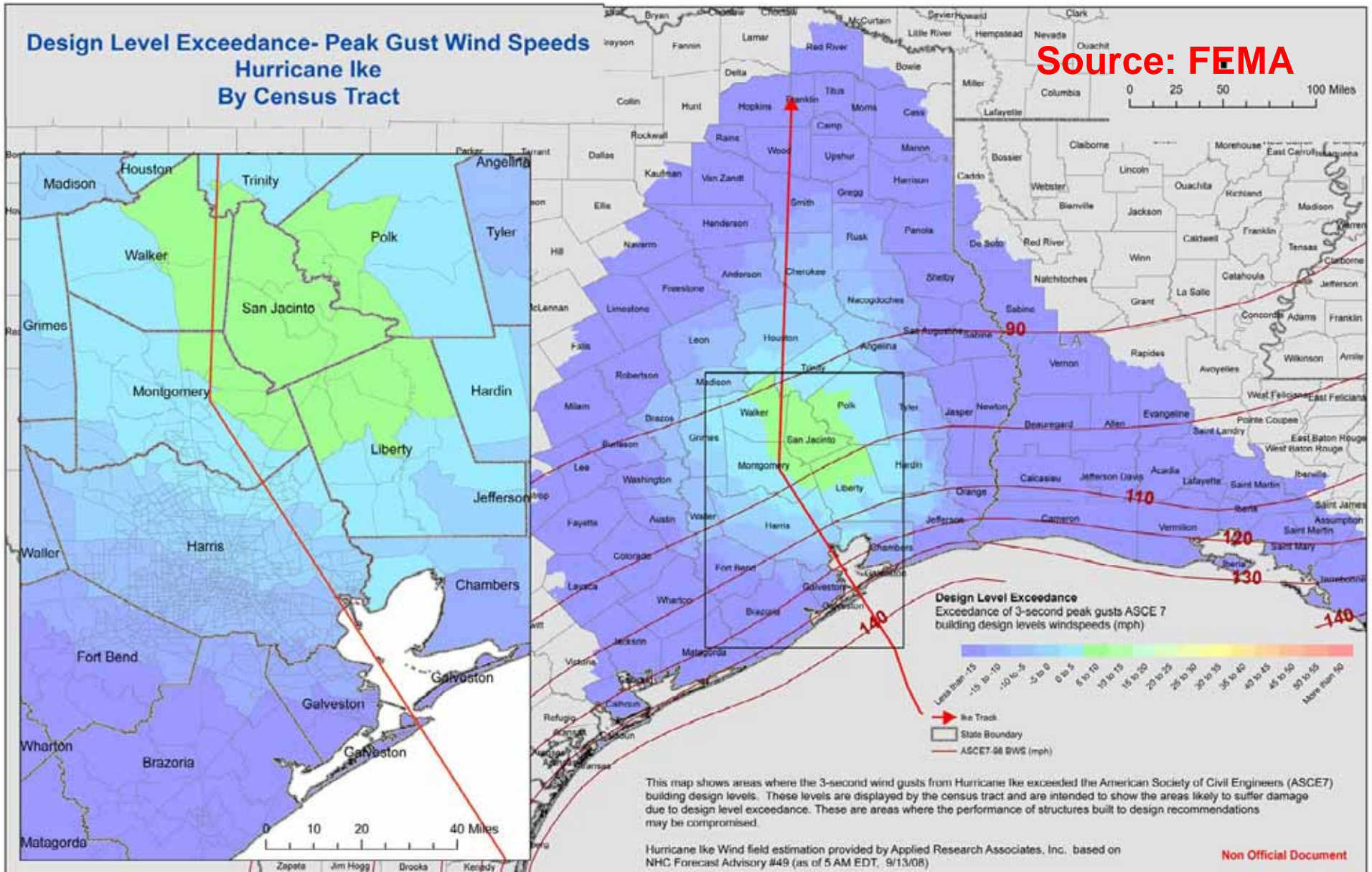


An aerial photograph showing a long, straight road or causeway stretching from the foreground towards the horizon, crossing a body of water. The surrounding land is flat and appears to be a mix of natural terrain and some structures. The sky is blue with scattered white clouds. The text "OTHER CONSIDERATIONS" is overlaid in large, bold, red capital letters in the center of the image.

OTHER CONSIDERATIONS

Source: Bryan Carlile

Wind



RAIN



Source: <http://wc.pima.edu/~geology/downtownflood.jpg>

Sea Level Rise

U.S. Geological Survey, National Assessment of Coastal Vulnerability to Sea-Level Rise: Prelimi - Windows Internet Explorer

http://pubs.usgs.gov/of/2000/of00-179/pages/figpage/fig1max.html#bottom

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The Outcast - New York... U.S. Geological Surv... x

Page Tools



Sea Level Rise

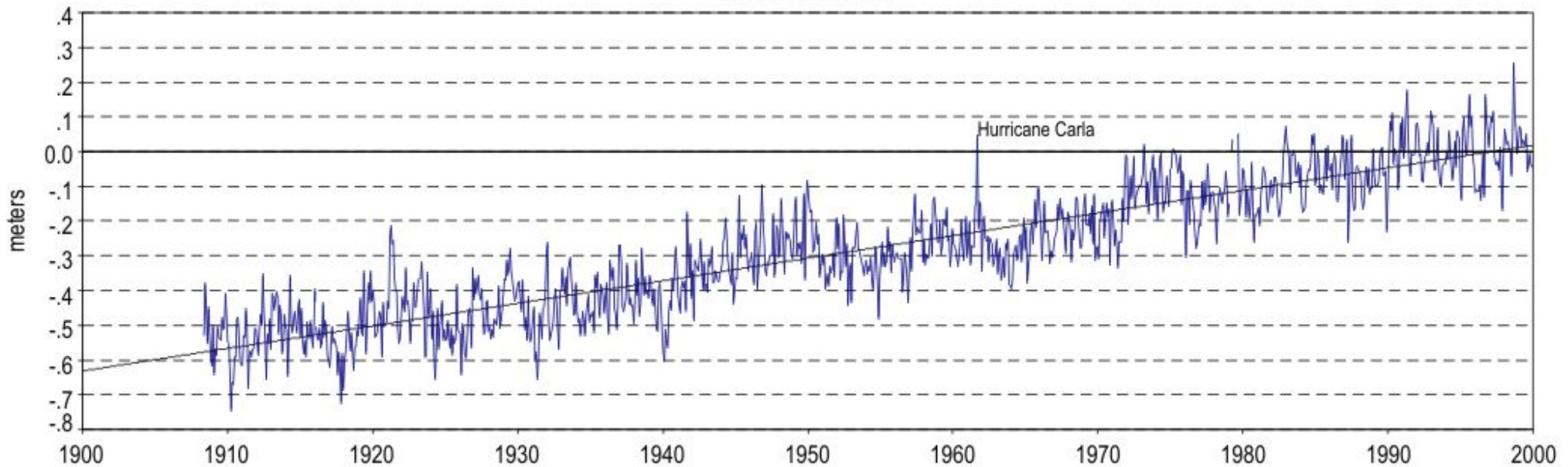


Figure 1. Sea Level Variations and Trend for Galveston Pier 21, Texas where the Mean Sea Level Trend is 6.5 mm/yr (2.13 ft/century).

Source: <http://tidesandcurrents.noaa.gov/sltrends/sltrends.shtml>

Coastal Floodplains



Source: USGS

Coastal Floodplains



USFWS JWoodrow 09192008

guardian.co.uk

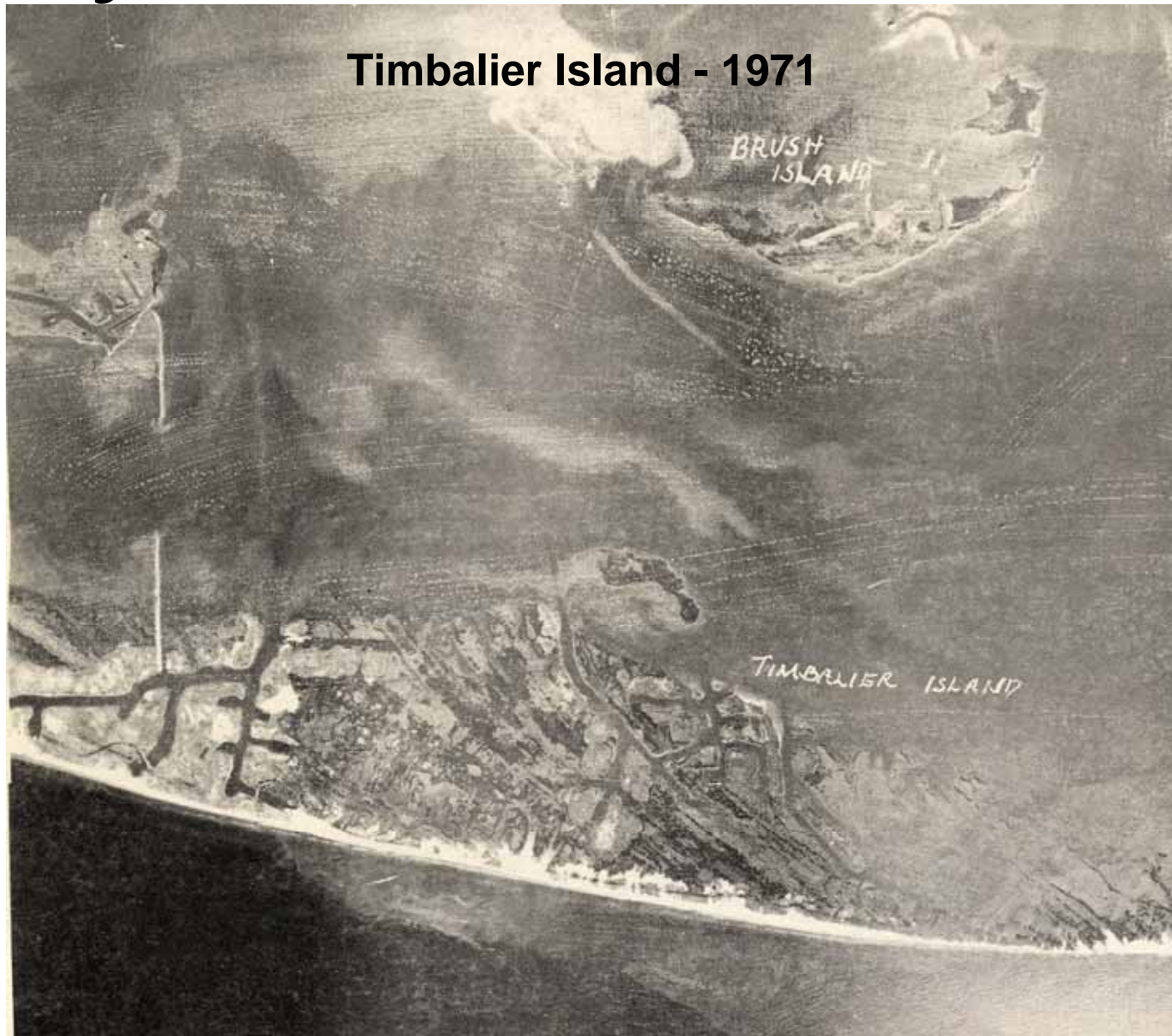
US urged to abandon ageing flood defences in favour of Dutch system

In the Netherlands, water management is incorporated into urban planning, taking into account parks and other open public spaces that could function as safety reservoirs in case of floods, and also barrier islands and wetlands.

B B C NEWS

Netherlands learns to go with the flow

Dynamic Coastline



Dynamic Coastline

Timbalier Island - 2005



Photo: Patricia Taylor, EPA

Dynamic Coastline

Timbalier Island - 2010



photo: Lanesia Daigs ldaigs@tlcd.org

Budget



Construction
Maintenance

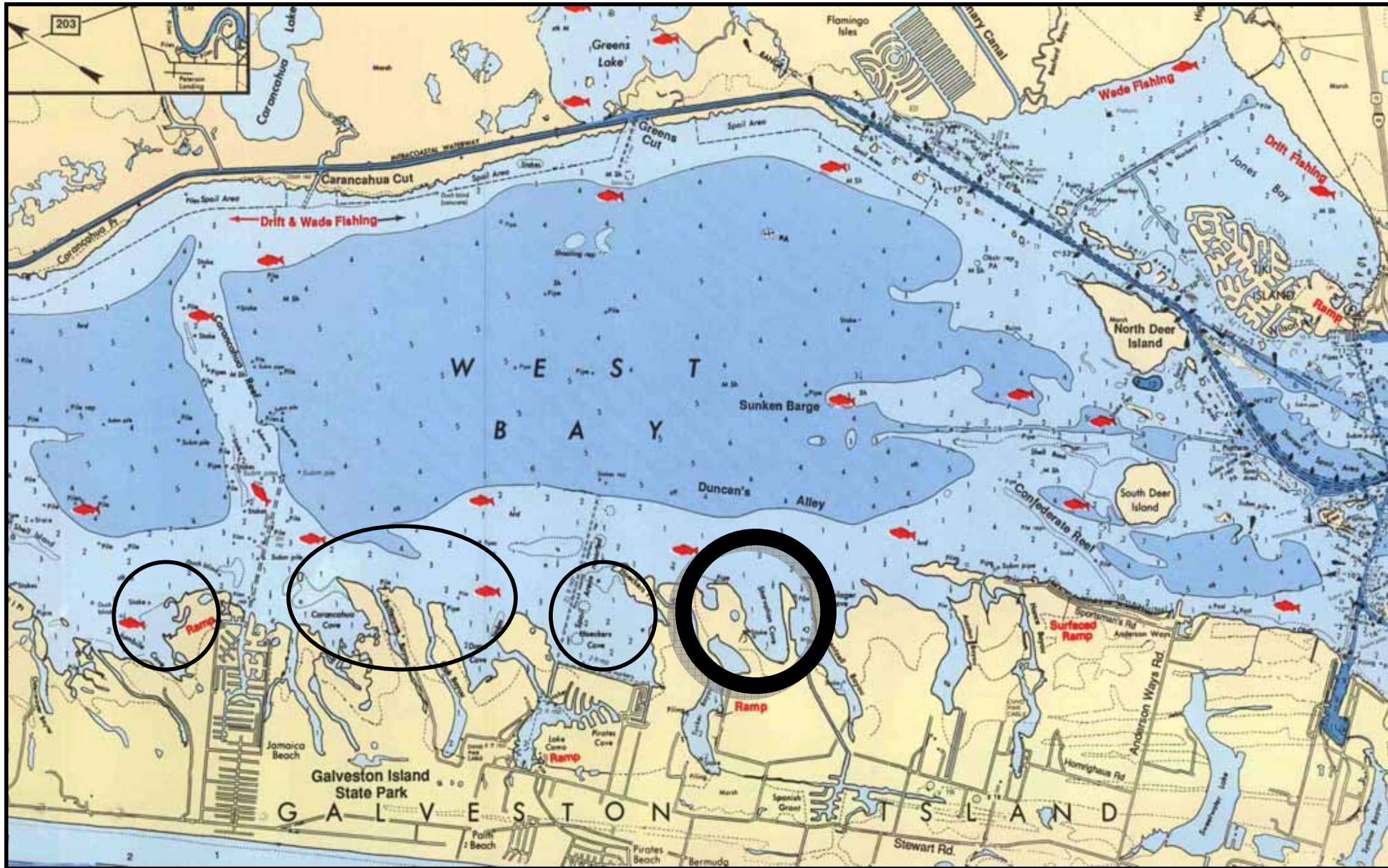
MAINTENANCE



AT WHAT COST?



West Bay Restoration



Wetlands Restored and Protected



Photo: Jeff DallaRosa July 2006

Do Levees Make us Safer?



Parting Thought

African proverb:

In the moment of crisis, the wise build bridges and foolish build dams