



Palm Beach County Responds to Climate Change



Presentation to the
Water Resources Task Force

April 16, 2015



Overview

- South Florida Water Management Update:
Sea Level Rise and Climatic Trends
- Policy & Planning Initiatives
 - SE Florida Climate Change Compact
 - Comprehensive Plan
 - Vulnerability Analysis
 - Regional Climate Action Plan
- Identified Needs & Resources

Southeast Florida Regional Climate Change Compact

- Palm Beach County is a founding partner with Broward, Miami-Dade and Monroe.



Analysis of the Vulnerability of Southeast Florida to Sea Level Rise

Southeast Florida Regional Climate Change Compact
Inundation Mapping and Vulnerability Assessment
Work Group

August 2012



County Comprehensive Plan

- Amendment adopted by BCC on April 28, 2014
- Policy 1.1.1-d: “integrate consideration of climate ...into existing and future...planning, operations, policies, and programs.”
- Policy 1.1.1-b: “...coordinate with other agencies, local governments and private sectors to...address climate change.”



*Climate Adaptation for Coastal Communities
January 27-29, 2015*

Vulnerability Analysis

- Regional maps
 - 1, 2 and 3-foot scenarios
- Assessment
 - Water & wastewater facilities
 - Bridges & roads
 - School & hospitals
 - Taxable real estate

Marina Way, Delray Beach



High tide, 9/11/2014



King tide, 10/8/2014

Vulnerability Analysis

Palm Beach County
The Best of Everything.

Advanced Search
Search Site...

What is PBC Doing? Southeast Florida Regional Climate Change Compact Regional Climate Action Plan **Vulnerability Analysis** Partnerships Media

The **Vulnerability Analysis of the Southeast Florida to Sea Level Rise** provides 1, 2 and 3 foot sea level rise scenarios. The analysis performed by each of the four counties show that the greatest potential impacts from sea level rise occur in counties to our south. Of the four counties, Palm Beach County has a higher topography and a lack of natural and man-made waterways west of the Intracoastal Waterway. This helps to limit potential impacts in Palm Beach County. By selecting the above, the **Sea Level Rise 3 foot scenario** is displayed using myGeoNav. One can also see the 1 and 2 foot scenarios by selecting under [Map Layers/Public Safety](#).

Click [here](#) to view the companion report.

Inundation Categories:

- 3ft Sea Level Rise Scenario, Likely to be Inundated
- 3ft Sea Level Rise Scenario, May be Inundated
- 2ft Sea Level Rise Scenario, Likely to be Inundated
- 2ft Sea Level Rise Scenario, May be Inundated
- 1ft Sea Level Rise Scenario, Likely to be Inundated
- 1ft Sea Level Rise Scenario, May be Inundated

Committed to

Countywide Vulnerability Analysis

Palm Beach County Go Green Initiative

SOUTHEAST FLORIDA

myGeoNav

Home | Block | Neighborhood | City | County

Search

Clear | Help Page

Layer Search:
(use a keyword like Planning or Road)

Search for address, owner, city, park... almost anything in our database. Enter text in the search boxes below and keep typing...

Search by Owner Name:
(e.g. Smith John)

Search by Address:
(e.g. 301 N Olive Ave)

Search by City:

Search by Range,Township,Section:
(e.g. 434305)

Search by Parcel Control Number:
(e.g. 74434322120080010)

Search by Intersection:
(e.g. Military Trl and Okeechobee Blvd)

Zoom to X,Y:
(e.g. -80,241,26.616 or 929460,827.137)

Results
 Tools
 Advanced
 Settings
 myMaps
 Print

Environmental (Reefs, Inlets, Natural Areas, Burns...)
 Public Safety (Evacuations Zones, Surge Zones, Flood Insurance Panels...)

- Evacuation Zones
- Fire Stations
- Flood Insurance Rate Map Panels (FIRM)
- Proposed Flood Zones (August 2014)
- Preliminary FIRM Panels
- Flood Zone Map
- Sea Level Rise 1 ft.
- Sea Level Rise 2 ft.
- Sea Level Rise 3 ft.

Fire Bounda

Parks and Recreation (County,State,City Parks, Golf Course)

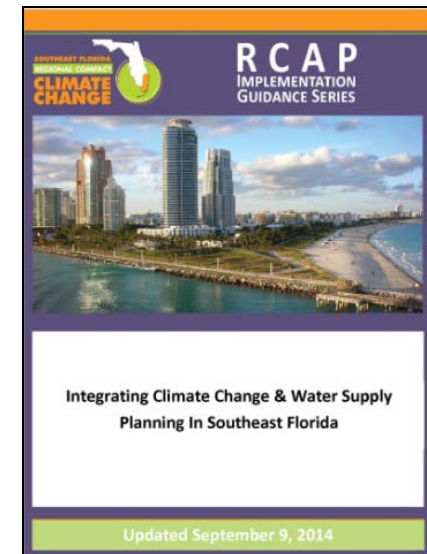
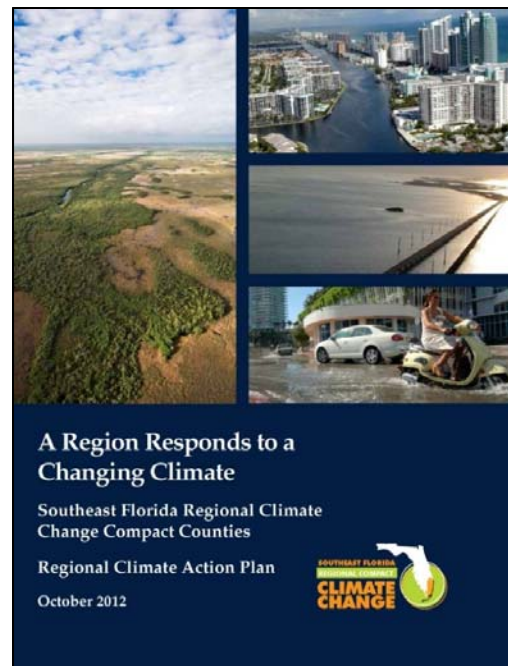
Planimetric Mapping (Building Footprints, Edge of Pavement Sidewalks...)

Map showing inundation overlays on a street grid. Labels include: Center St, W Indiantown Rd, E Indiantown Rd, Toney Penna Dr, S Altamaha Ave, W Indiantown Ave, W Indiantown Blvd, W Indiantown Dr, W Indiantown Ln, W Indiantown Pl, W Indiantown Ct, W Indiantown Cir, W Indiantown Dr, W Indiantown Ln, W Indiantown Pl, W Indiantown Ct, W Indiantown Cir.

www.pbcgov.com/climate

Regional Climate Action Plan

- Adopted by BCC in April 2014
- 18 strategies for water supply, management & infrastructure
- Implementation workshops & guidance documents



Workshop Recommendation

- Consider establishing a Water Resource Task Force “Climate Sub-committee”.



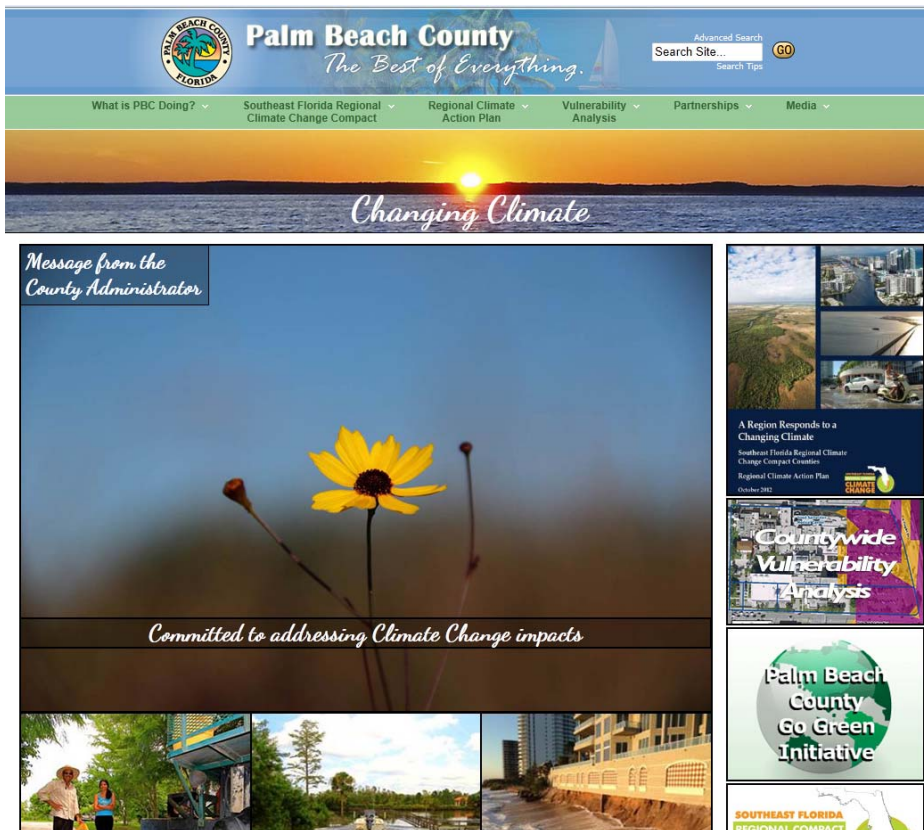
RCAP Stormwater Workshop, January 22, 2015
Photo courtesy of Carisse LeJeune, City of Boynton Beach



Identified Needs

- Develop data sharing mechanisms.
- Evaluate impacts based on the vulnerability analysis.
- Incorporate climate considerations into stormwater master plans.
- Identify methods to further define saltwater intrusion.
- Enhance coordination between utilities and drainage districts for protection of drinking water supplies.
- Develop stormwater solutions for drainage issues.

Resources



The screenshot shows the Palm Beach County website's climate resources page. At the top, the Palm Beach County logo and tagline "The Best of Everything." are visible. A navigation menu includes "What is PBC Doing?", "Southeast Florida Regional Climate Change Compact", "Regional Climate Action Plan", "Vulnerability Analysis", "Partnerships", and "Media". A search bar is also present. Below the navigation is a banner with a sunset over the ocean and the text "Changing Climate". The main content area is divided into several sections: "Message from the County Administrator" with a yellow flower image and the text "Committed to addressing Climate Change impacts"; a "Countywide Vulnerability Analysis" report cover; a "Palmbeach County Go Green Initiative" logo; and a "SOUTHEAST FLORIDA REGIONAL COMPACT" logo. A small article preview titled "A Region Responds to a Changing Climate" is also visible.

www.pbcgov.com/climate



The banner features an aerial view of a coastal city with a bridge and a boat. The text reads "Pioneering Climate Resilience... Through Regional Action". The Southeast Florida Regional Compact logo is in the top left, and a "CLIMATE ACTION CHAMPION" logo is in the bottom right. Navigation links at the top include "Who We Are", "Calendar", "Compact Documents", "Related Links", "News", and "The Summit".

About Us

The Compact was formalized following the 2009 Southeast Florida Climate Leadership Summit, when elected officials came together to discuss challenges and strategies for responding to the impacts of climate change. The Compact outlines an ongoing collaborative effort among the Compact Counties to foster sustainability and climate resilience at a regional scale.

[Read more here](#)

www.southeastfloridaclimatecompact.org

Resources



sfwmd.gov

Jayantha Obeysekera
jobey@sfwmd.gov



Julie Mitchell
jmitchell@pbcgov.org

Bonnie Finneran
bfinnera@pbcgov.org

Natalie Schneider
nschneider@pbcgov.org



Nancy Schneider
nschneider@iscvt.org