



CoconutCreek.net/Ambassador

Meeting Guidelines



Listen

Actively listen to the speaker and other community members. Feel free to ask for clarification, but please hold questions until the end of the full presentation.



Participate

Think about how this topic impacts you, your neighbors, and the City. Offer feedback and suggestions.



Share

Agree that you will share this information with your HOA, community, and neighbors.

Welcome

to the Ambassador Program

Karen Brooks

CITY MANAGER
CITY OF COCONUT CREEK

Presenters

Linda Whitman

Coconut Creek, Sustainability Manager



Dr. Gregory Mount

Broward County, Asst. Chief Resilience Officer



Angela Biagi

WGI, Director of Urban & Community Planning



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[COCONUTCREEK.NET/VULNERABILITY](https://coconutcreek.net/vulnerability)



Innovative Inclusive Progressive
with a small-town personal touch

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Key Areas of Focus



Sustainable Environment



Adaptable and Progressive Mobility



High Performance Government



Safety and Quality of Life



Smart Growth

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Vision 2030

Sustainable Environment

Strategic Goals

1. Protect open space
2. Encourage businesses and community members to adopt green initiatives
3. Plan ahead for progressive technologies and business methods
4. Focus on climate change and resilience
5. Update and accomplish the goals established in the City of Coconut Creek Green Plan

Climate Change



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Resilience

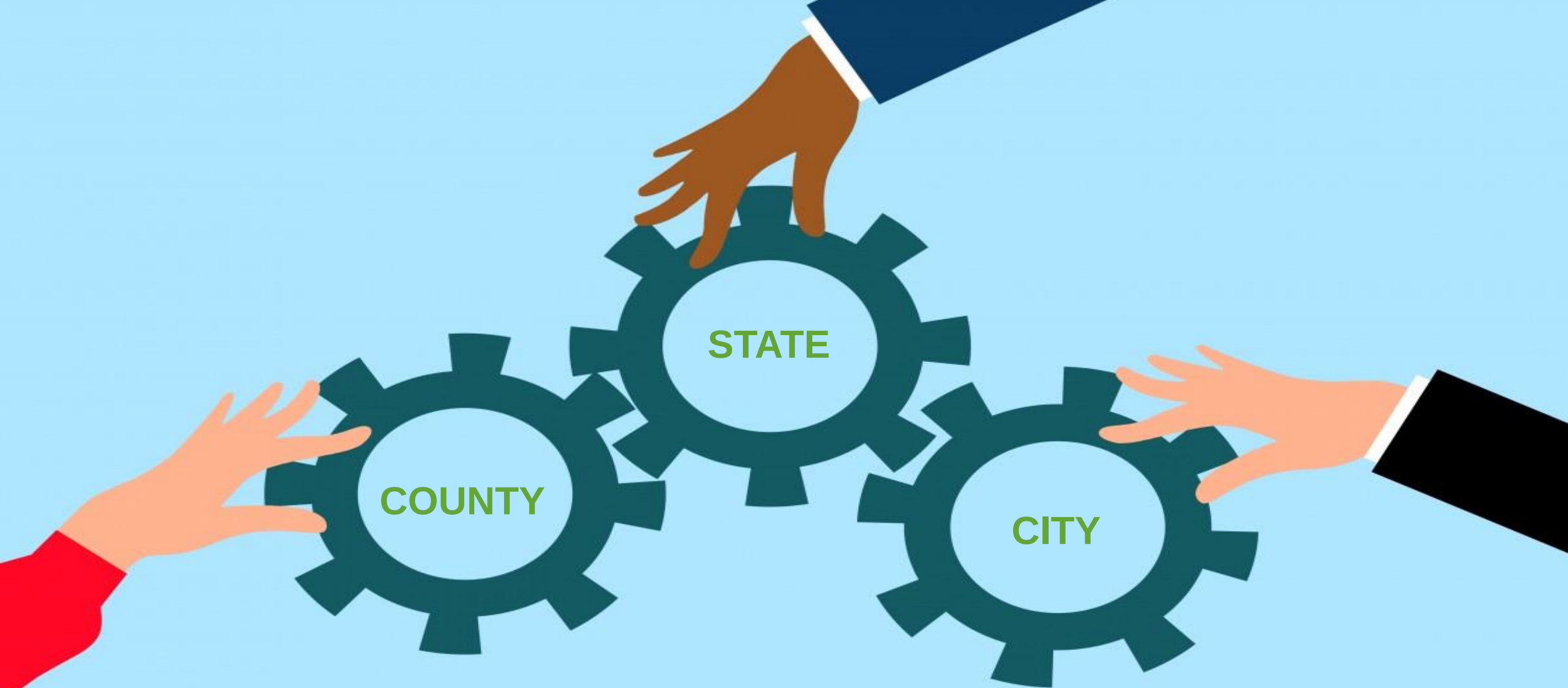
Climate ***resilience*** is the ability to anticipate, prepare for, and respond to hazardous events, trends, or disturbances related to climate.

Mitigation

Climate ***mitigation*** is any effort to reduce or stabilize the current trajectory of carbon emissions and warming.

Adaptation

Climate ***adaptation*** includes any actions that try to reduce the impacts of current or projected changes.



Collaboration

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Introduction to Broward County Water Resources



**RESILIENT
ENVIRONMENT
DEPARTMENT**

Overview

Regional Water System - Local Impacts



From Sawgrass to Seagrass



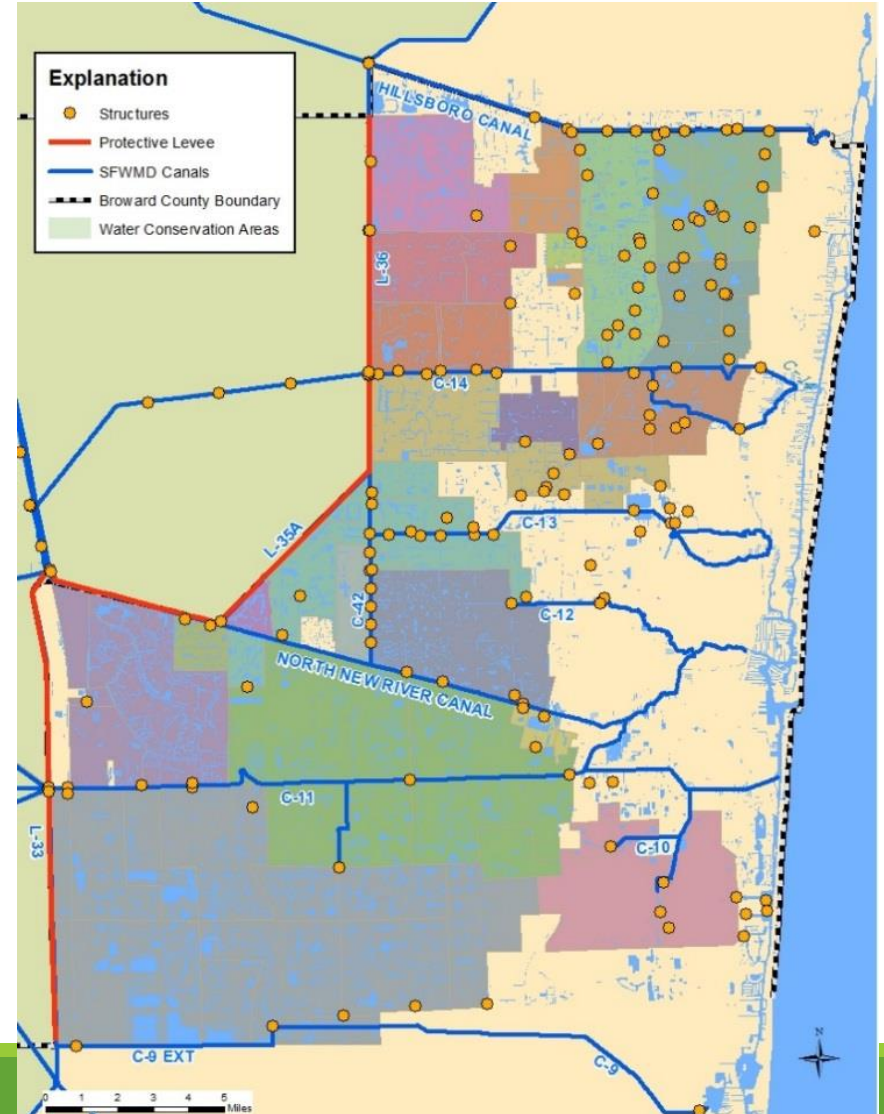
Image source:

https://en.wikipedia.org/wiki/Water_Conservation_Area_3#/media/File:Water_Conservation_Area_3A_3.jpg

https://commons.wikimedia.org/wiki/File:Las_Olas_Beach.jpg

Canals Connect Us

- Primary Canals (SFWMD)
- Secondary and Tertiary Canals (Drainage/Water Control Districts)
- Structures (Pumps, Weirs, Culverts, Spillways)
- Management objectives:
 - Flood Protection
 - Water Supply
 - Aquifer Recharge
 - Saltwater Abatement



Numerous Water Managers

200+

Elected
Officials

25

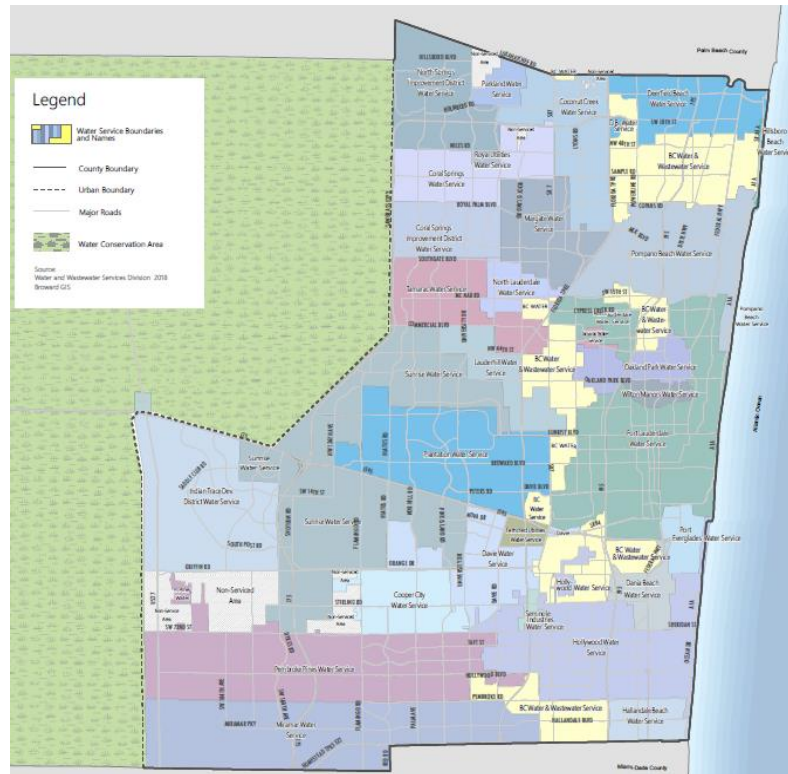
Water Supply
Services

15

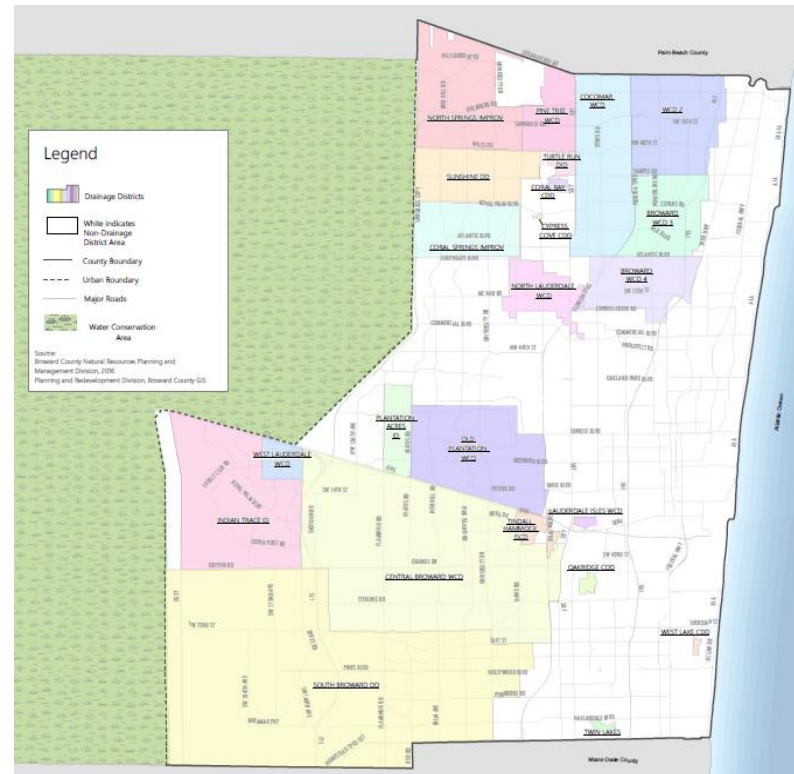
Wastewater
Providers

22

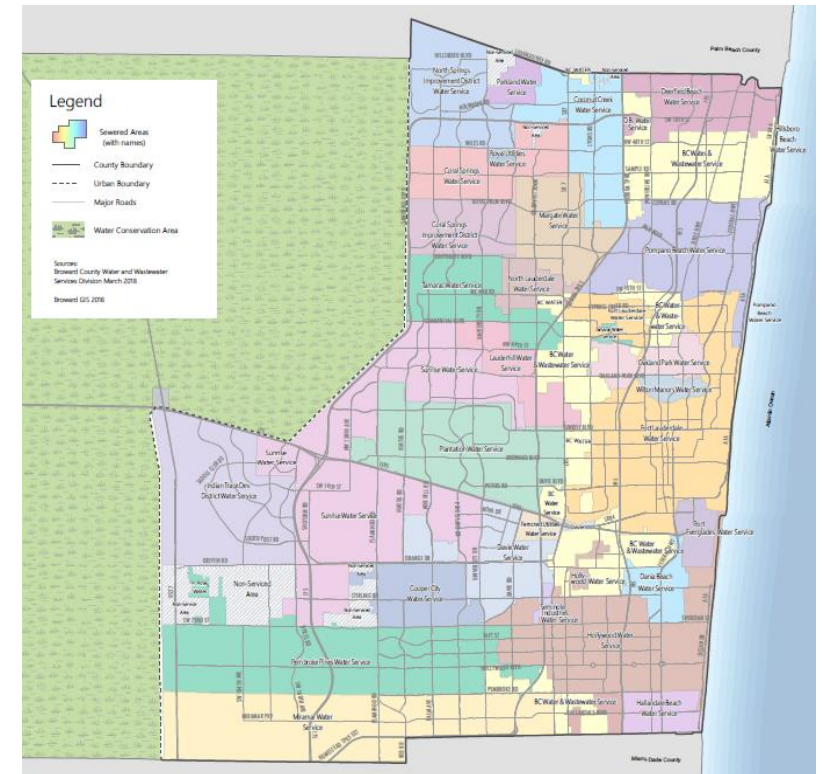
Water Control and
Drainage Districts



Water Providers

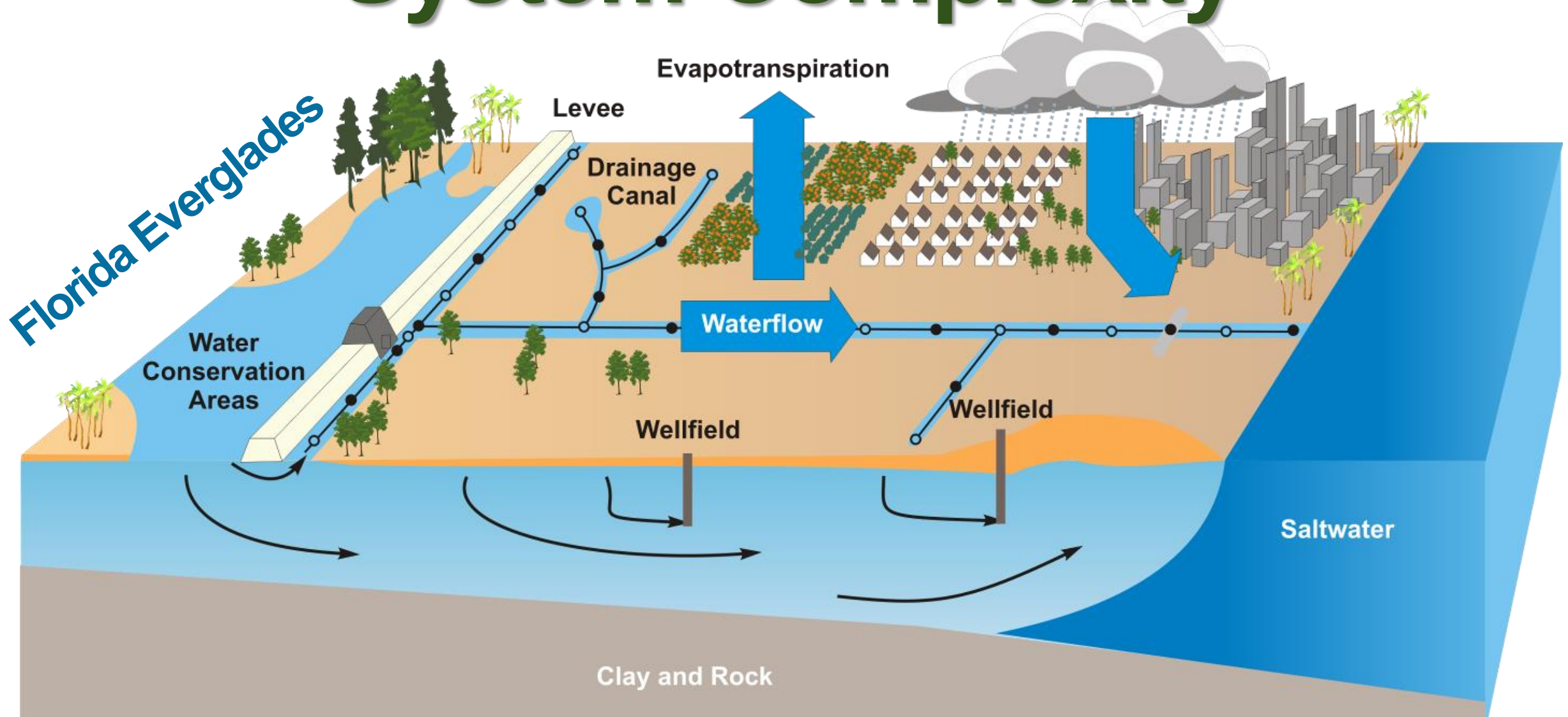


Water Control and Drainage Districts



Sewer Providers

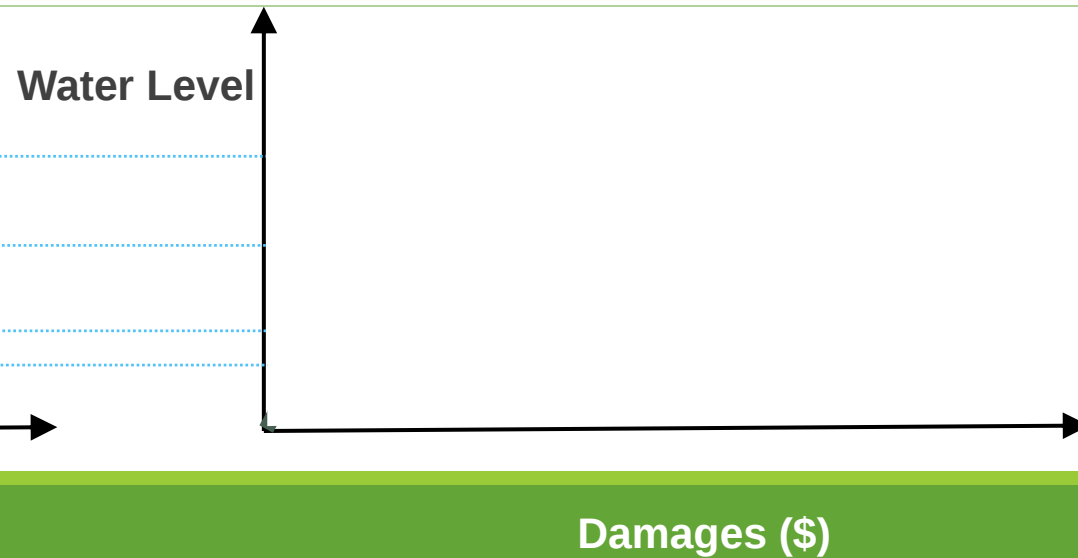
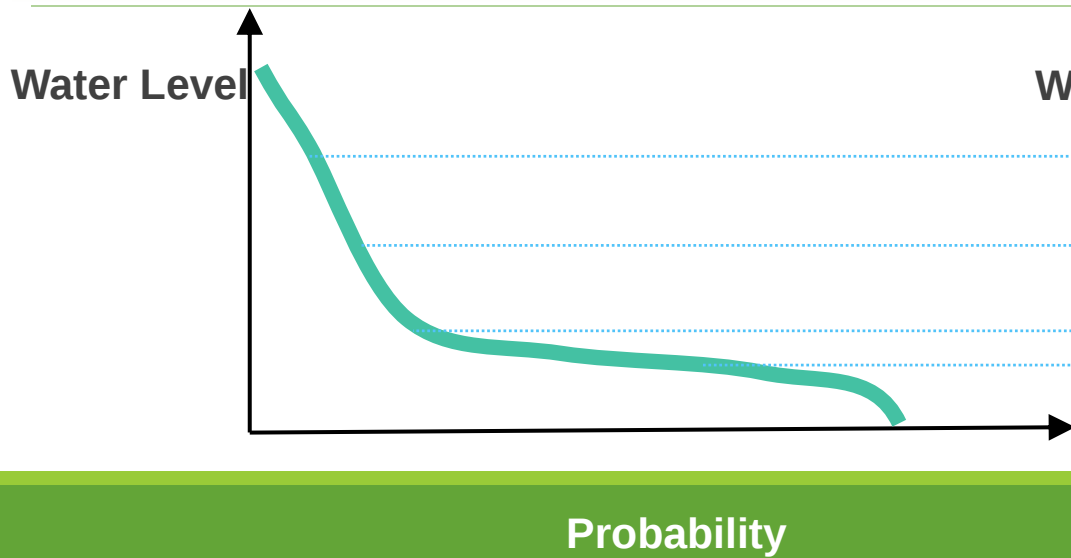
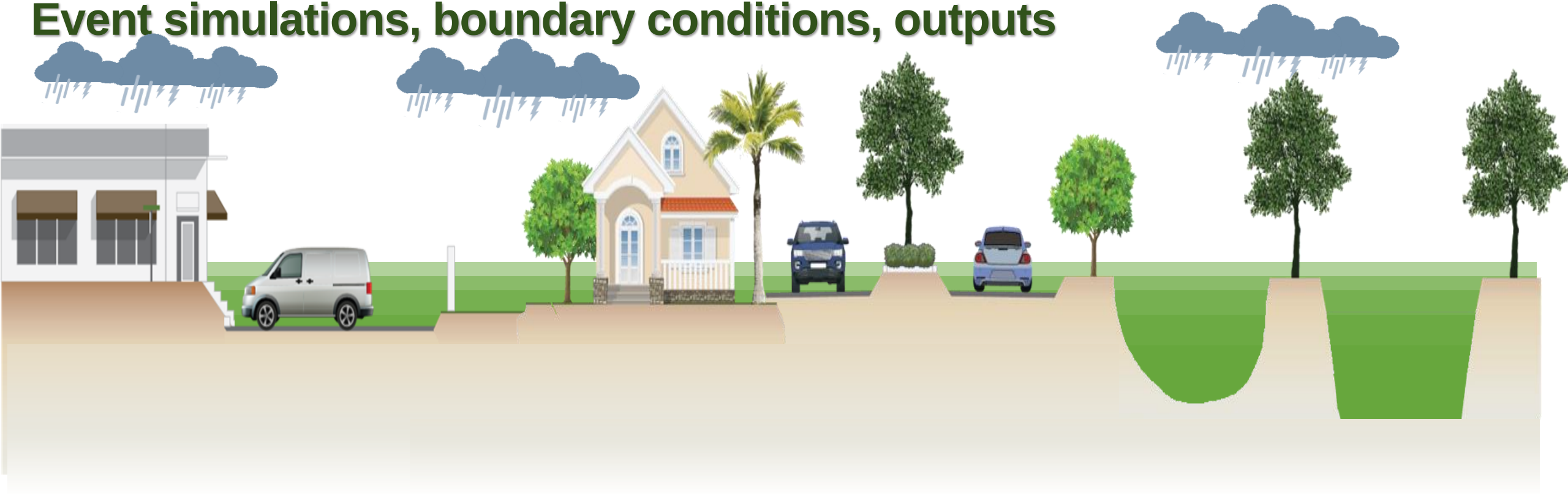
System Complexity



Typical Stormwater Management System



Event simulations, boundary conditions, outputs



Vulnerability Assessment





Flooding



Heat



Rainfall/Drought

What Changes Have You Noticed?

Why Is This Important?



Health

Injury/accident,
disease,
contamination



Safety

Emergency
response, shelters,
healthcare



Where You Live

Neighborhoods
and utility
services



Your Livelihood

Access to jobs



Vulnerable People

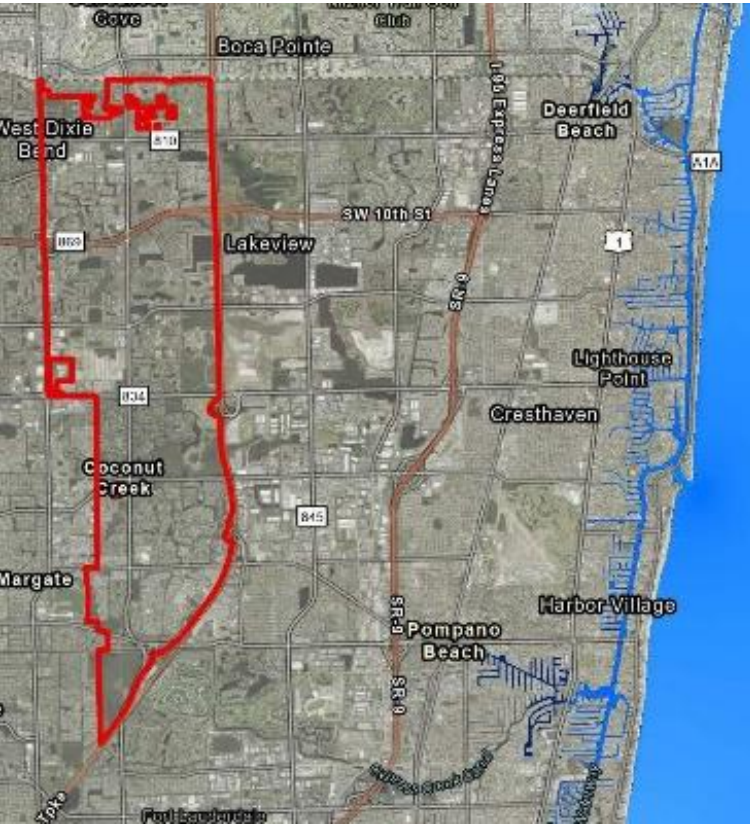
Health/physical
constraints, renters,
non-English speakers



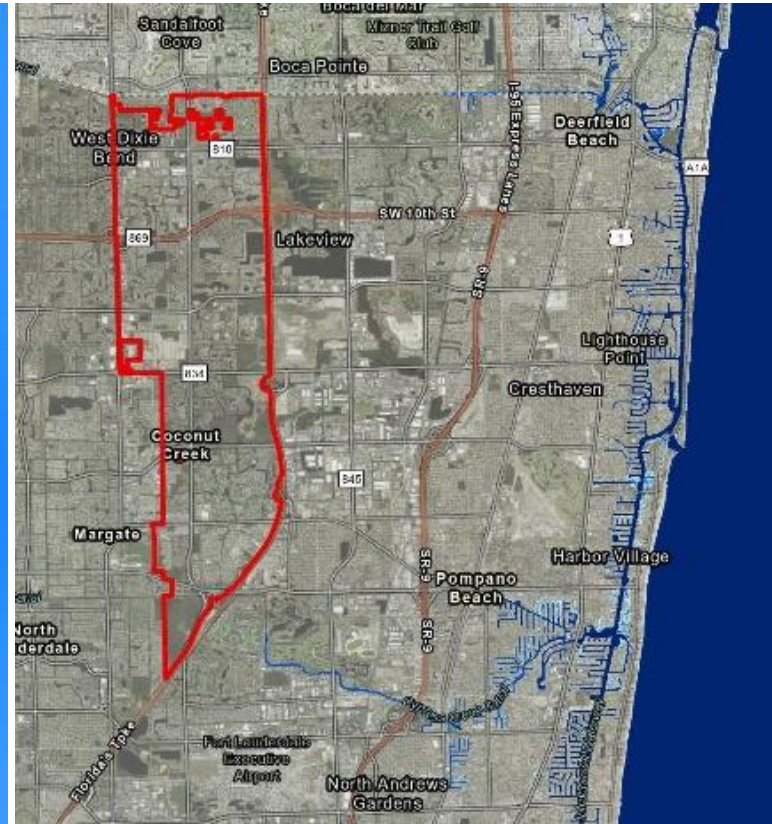
Natural Resources

Unique habitats,
preserves, public
open space

Sea Level Rise

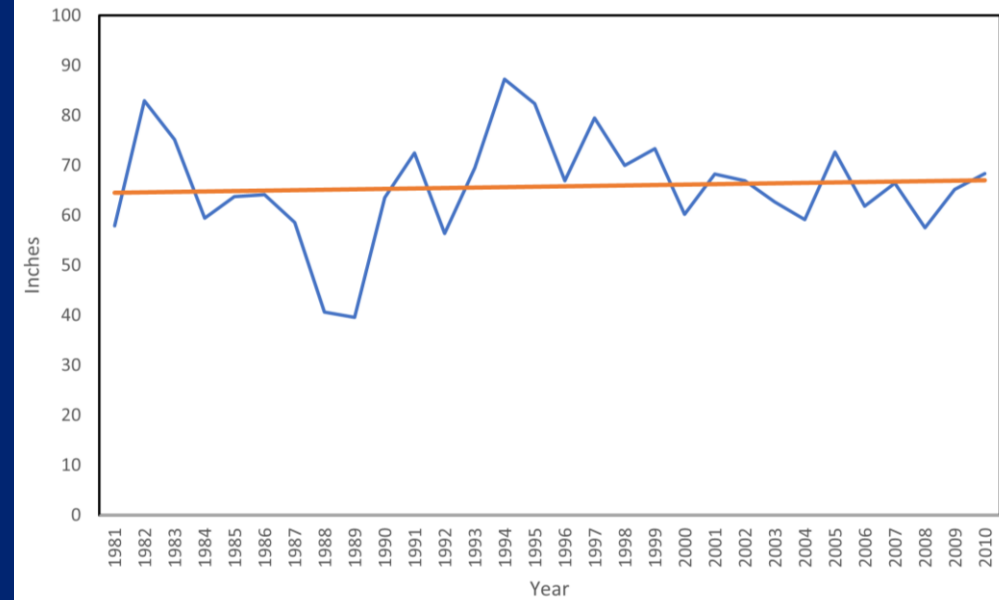


0' SLR

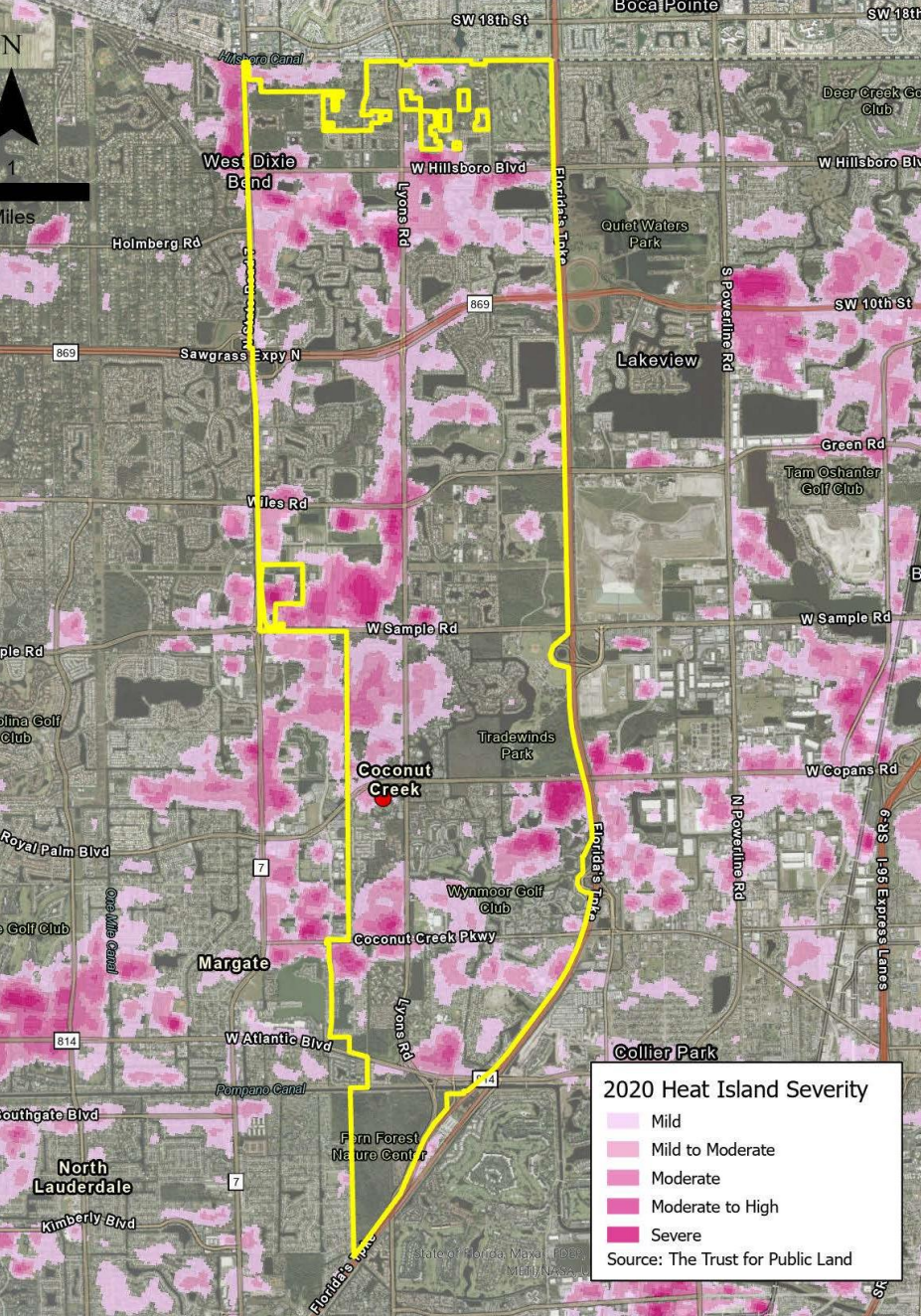


3' SLR

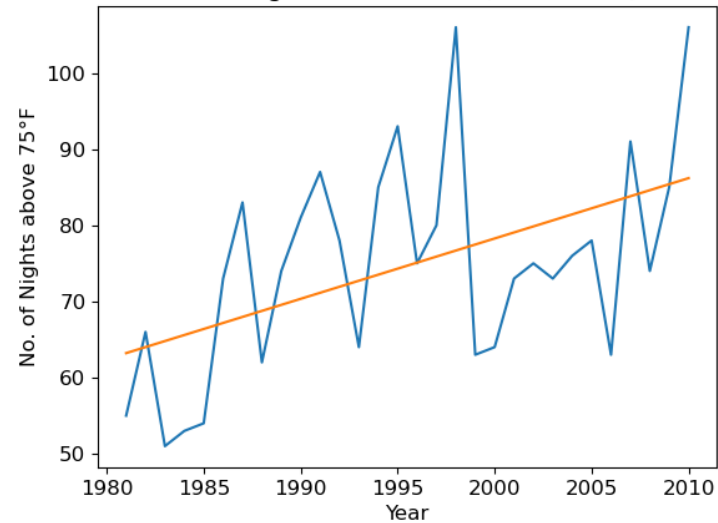
Average Total Annual Precipitation (1981-2010)



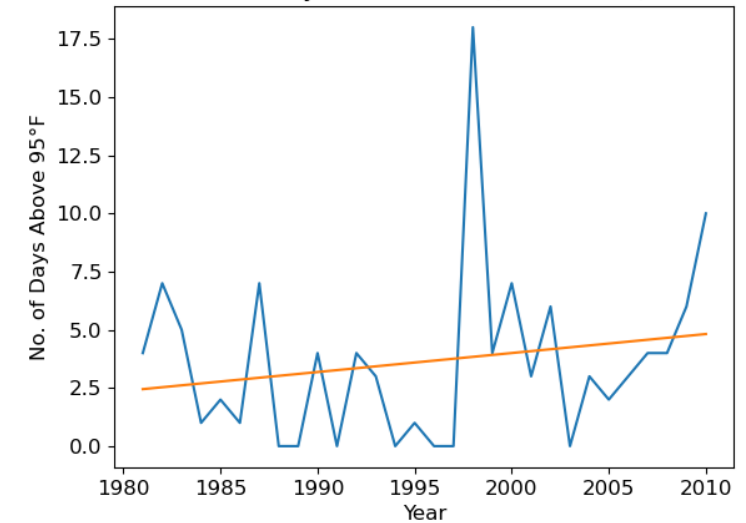
Temperature Projections



Total Nights Above 75°F (1981-2010)



Total Days Above 95°F (1981-2010)



What Is a Vulnerability Assessment?

A vulnerability assessment helps a community determine which physical, social, cultural assets are likely to be impacted by future flooding, rain events, and heat.

Benefits of a Vulnerability Assessment

- Identify focus areas
 - Establish a prioritization timeline
- Identify tangible and implementable projects
 - This plan positions the city to apply for Federal/State/Non-Profit funding opportunities

Where Do We Start?

- Input from community and local knowledge
- Supported by data
- Tailored strategy to your local needs, culture, capacity





Plan Phases

➡ **1) Data collection**

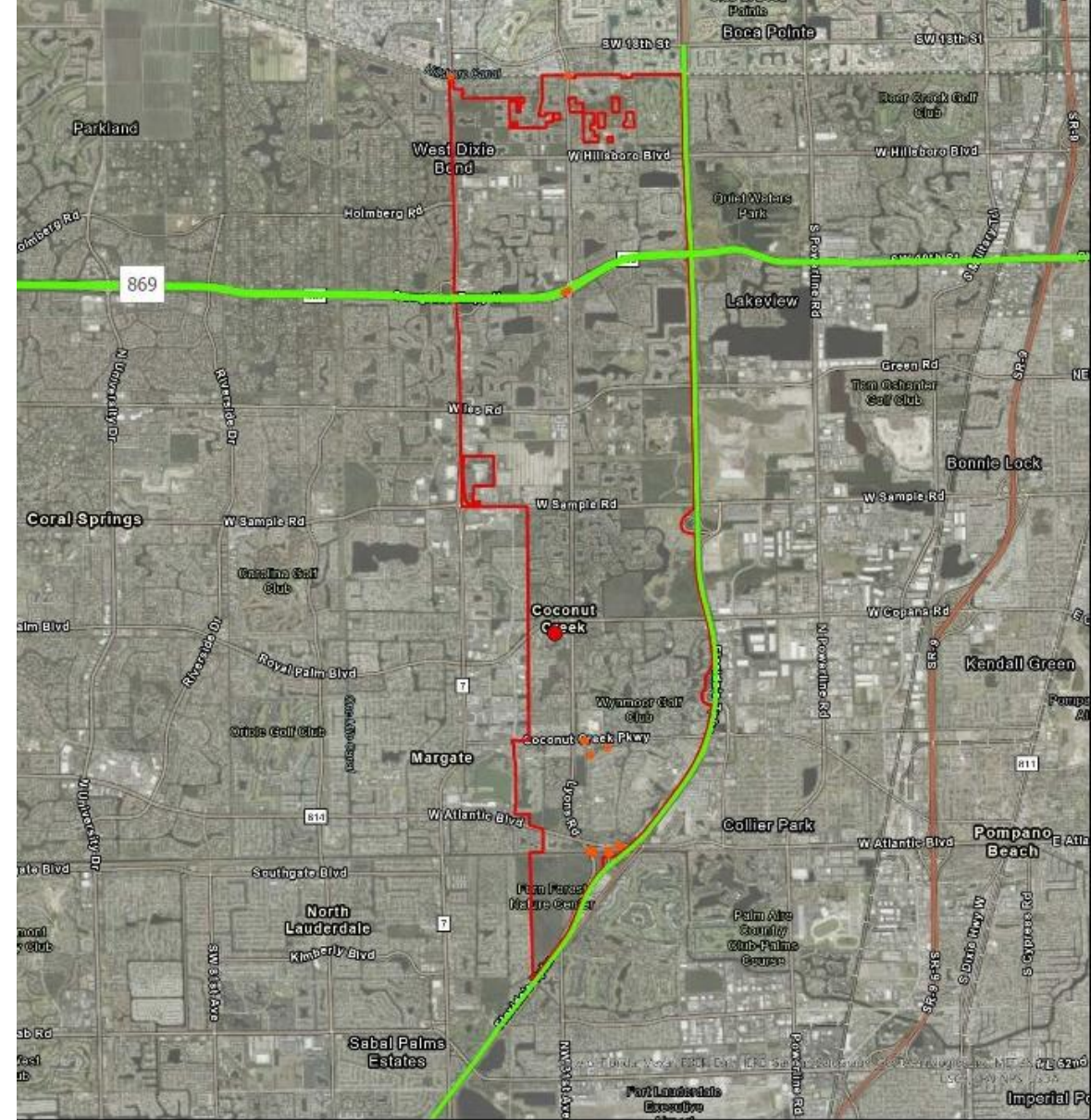
➡ **2) Inventory assets**

- 3) Identify areas/assets that are impacted
- 4) Establish focus areas
- 5) Prioritize needs
- 6) Create strategy for adaptation
- 7) Implement projects

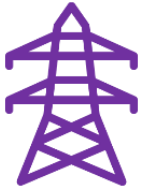


Citywide Assets

Transportation assets and evacuation routes (bridges, major roadways)

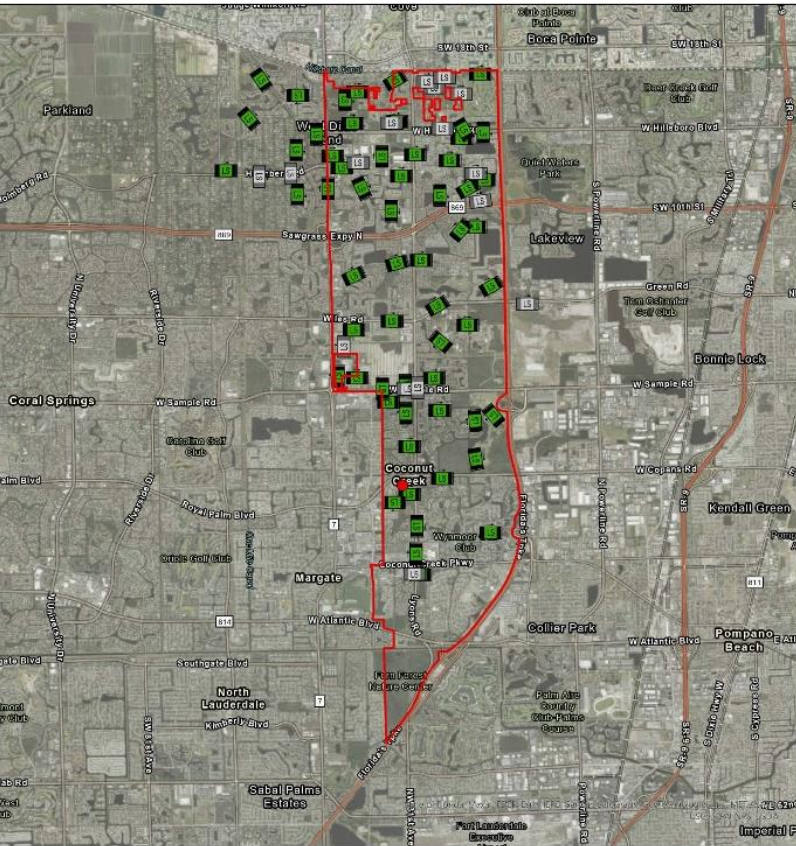


Evacuation Routes / Bridges

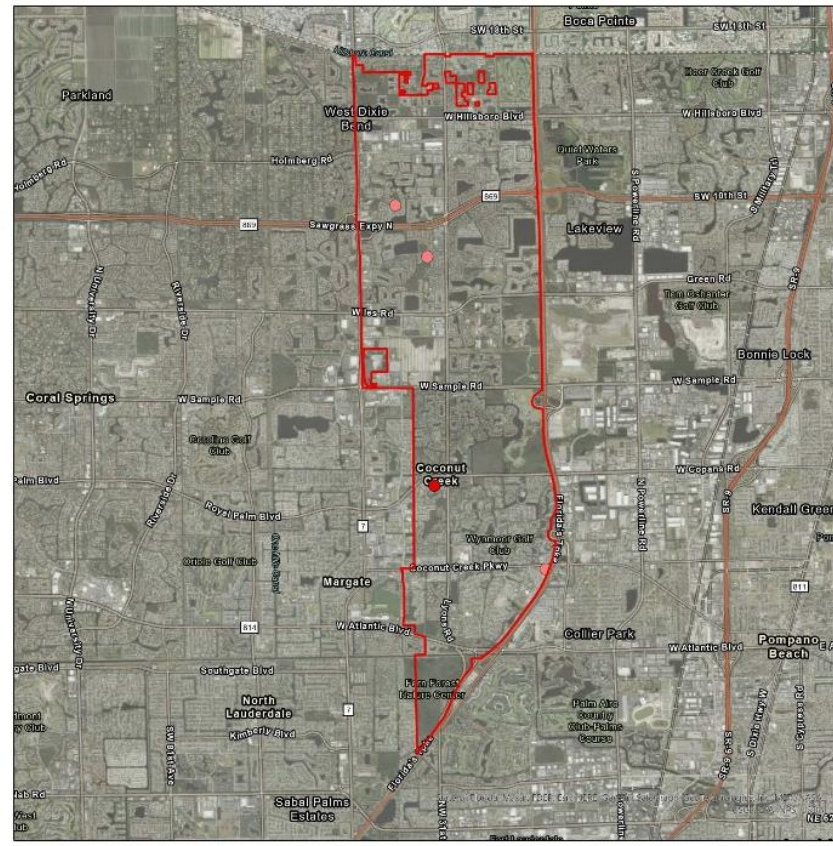


Citywide Assets

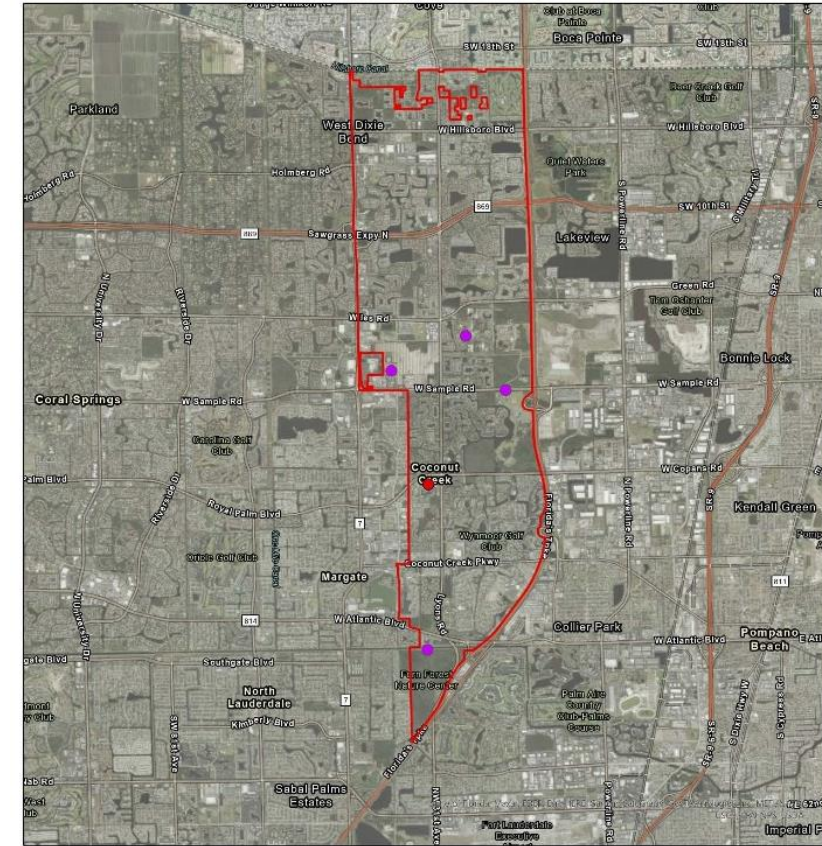
Critical infrastructure (drinking water, wastewater treatment, electric facilities)



Utilities / SS Lift Stations



Communications Facilities

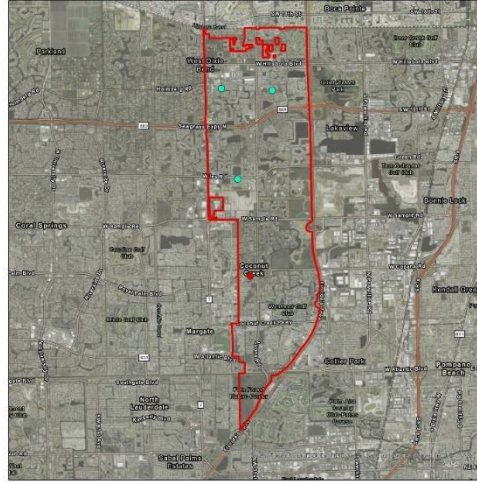


Solid Waste Debris Mgmt.

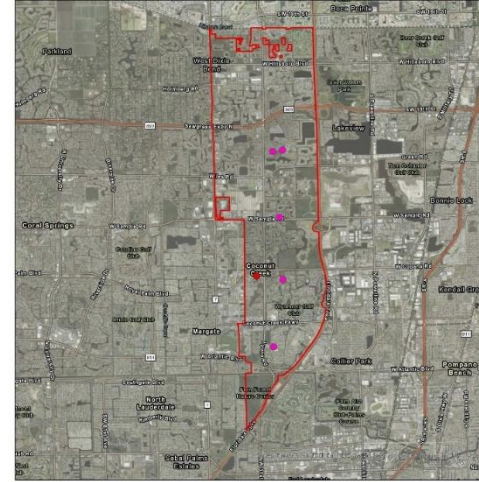


Citywide Assets

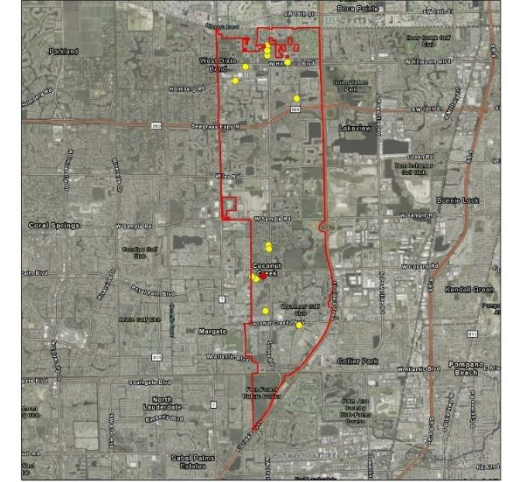
Critical community and emergency facilities (schools, emergency operations centers, healthcare facilities, shelters, government facilities)



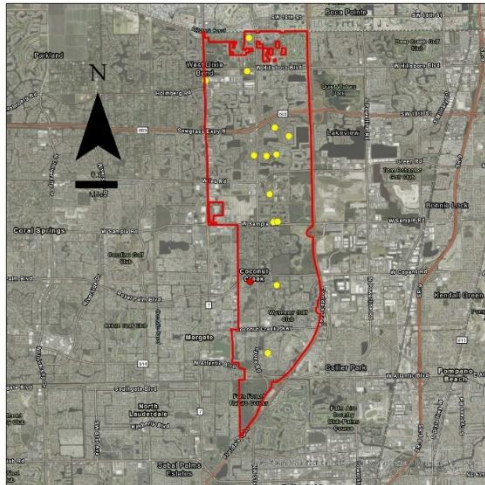
Shelters



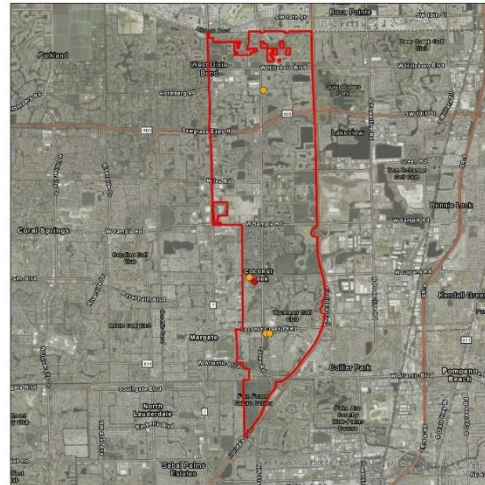
Assisted Living Facilities



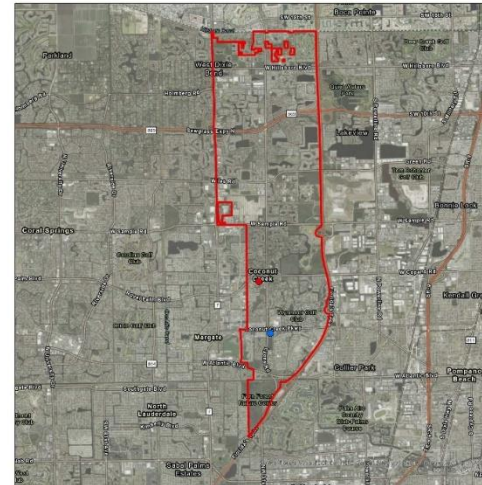
Faith Facilities



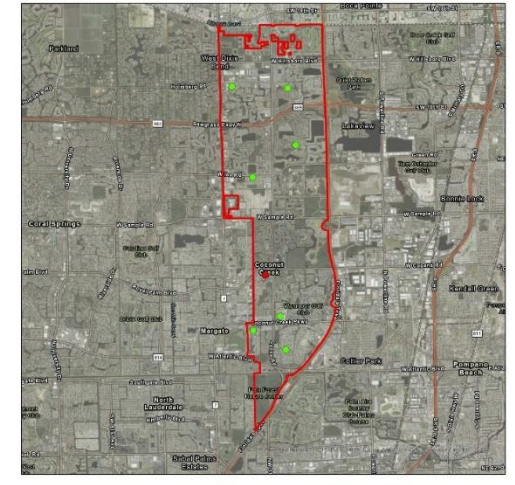
Healthcare Facilities



Essential Facilities



Community Center

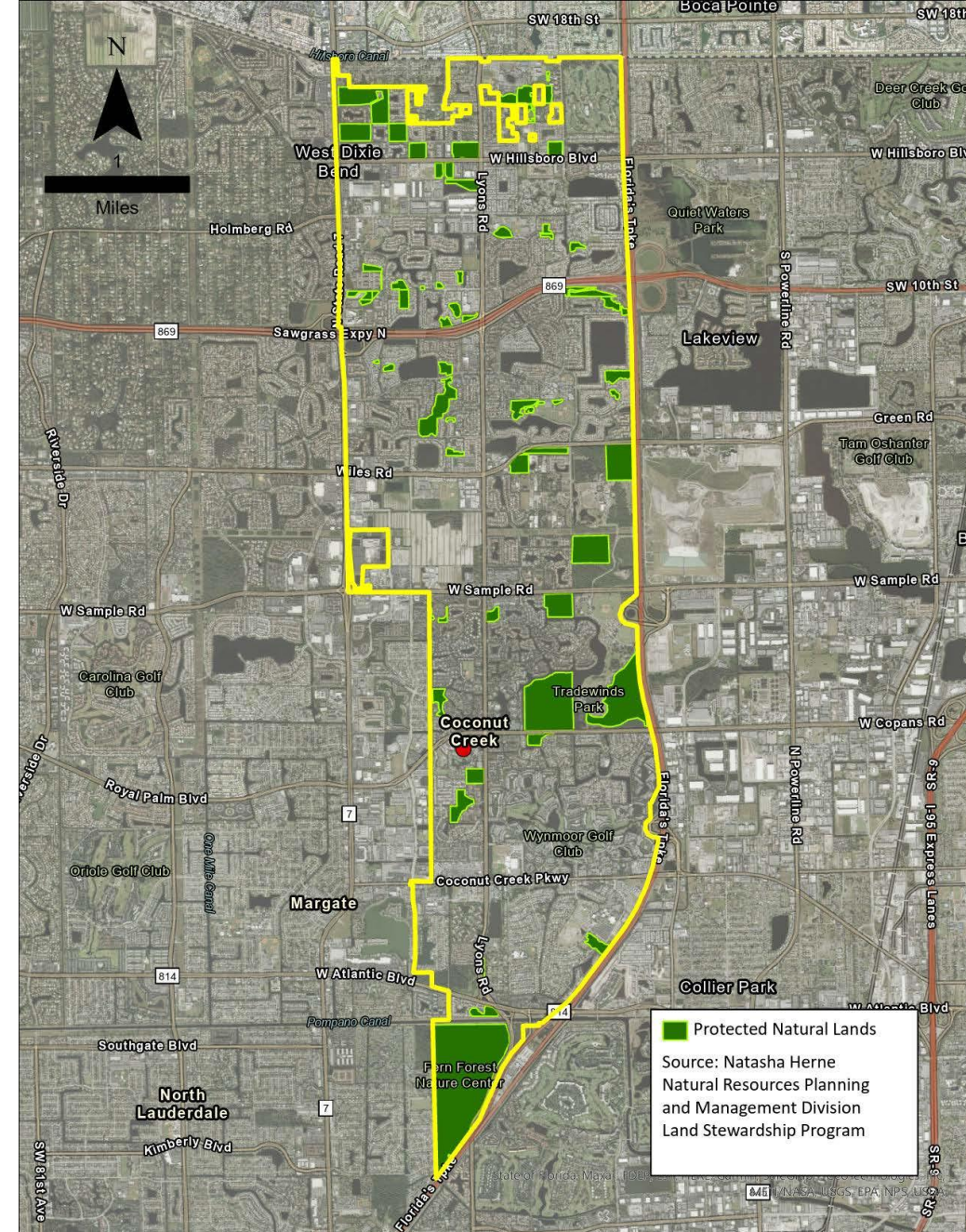


Schools



Citywide Assets

Natural, cultural, and historical resources (parks, conservations areas, wetlands, historic sites)





Data Sources

- NOAA Sea Level Rise
- FDOT
- Building Footprints
- Topography/Elevations
- Groundwater Depth
- Precipitation Rates
- Evapotranspiration Rates

How to Help

Goals/Guiding Focus of the Plan
After having seen this presentation,
what do you believe is important for the
plan to achieve?

Critical Assets
What community assets are most
important to you to protect?

Areas of Concern
Where do you already see changes
happening?



Next Steps

What
Is the City
Doing?

What Can
You Do?



Monitor



Stay Informed



Engage

Connect With Us



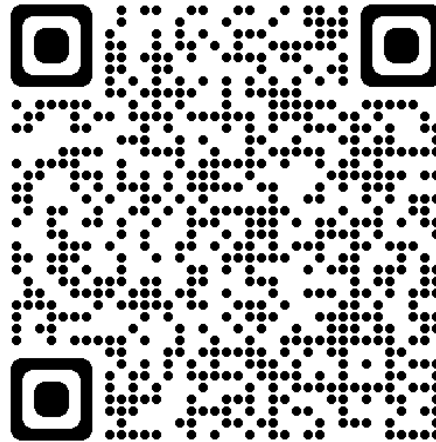
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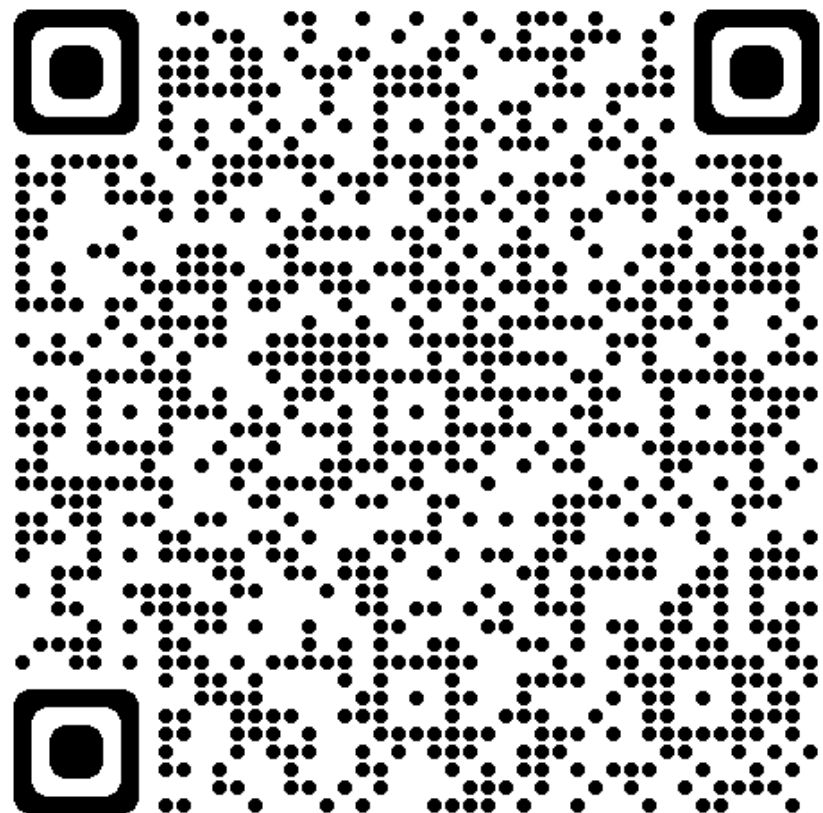
What is the City Doing?

- Internal Steering Committee with Department Representatives
- Work with WGI to Collect Data
- Future Meetings on the Vulnerability Assessment (sign up in the back)
- Prepare Draft Report
- Finalize Assessment and Present to the Commission
- Identify Priority Projects as a Result of the Study
- Budget Planning, Grant Opportunities, Regional Partnerships

What Can You Do?

- Sign Up for Upcoming Meetings
- Monitor the “Vulnerability Assessment” Web Page (QR Code Below)
- Regularly Check the County’s Web Pages for Additional Information
- Educate your Neighbors, **Be Climate Ambassadors**





CLIMATE SMART FLORIDIANS

LOCAL PROGRAM COMING SOON!

Contacts



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City of Coconut Creek
Senior Engineer

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Angela Biagi

WGI, Director
Urban & Community Planning

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Upcoming Ambassador Meetings

- Monthly Meetings
- Relevant Topics aligned with strategic priorities
- An engaged community, working together

Date	Time	Meeting Title
February	5:30 PM - 6:30 PM	Transit Master Plan
3/9/2023	5:30 PM - 6:30 PM	Public Safety

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Facebook



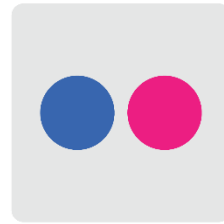
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Twitter



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Questions?



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