

USING PROJECTIONS TO INFORM PLANNING AND DESIGN: FUTURE CONDITIONS STANDARDS AND A COMMUNITY RESILIENCE PLAN

COMPACT SLR WEBINAR SERIES
JUNE 25, 2020



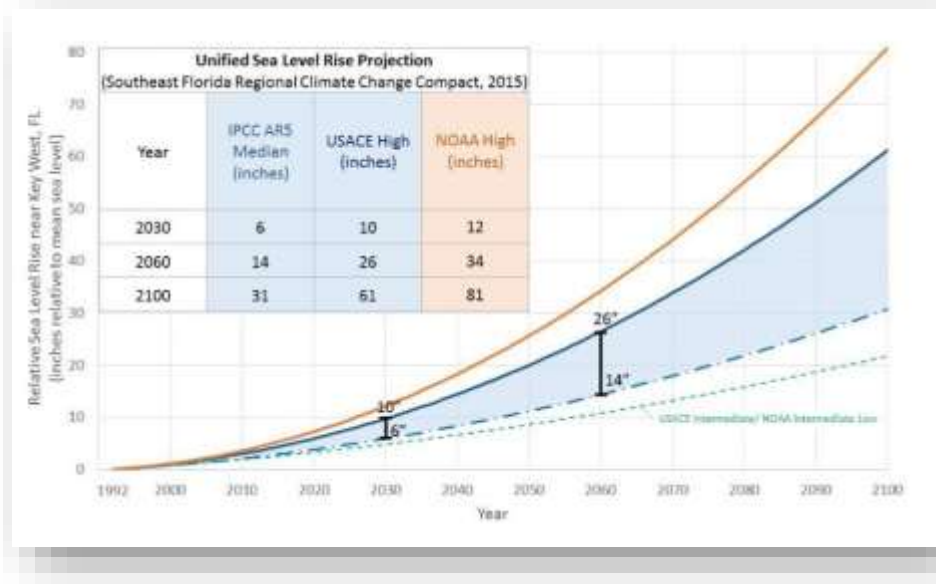
SEA LEVEL RISE: PLANNING AND INVESTMENTS

❑ Considerations

- Land Use
- Drainage
- Resilience Standards
- Finished Floor Elevation
- Infrastructure Citing



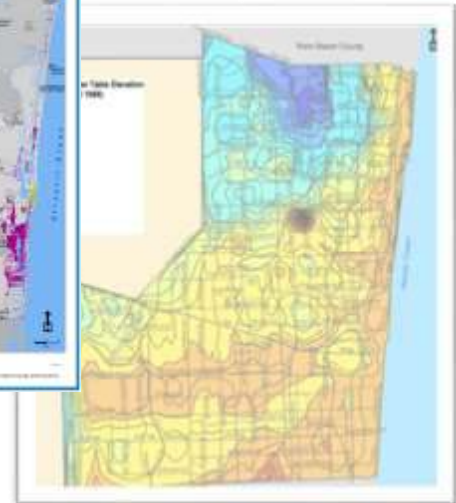
FUTURE CONDITIONS PLANNING: SEA LEVEL RISE, LAND USE, AND GROUNDWATER



Priority Planning Area (2012)



Wet Season
GW Elevation (2017)



Commission adoption directed staff use as basis for adaptation planning

COUNTYWIDE RESILIENCE STANDARDS: TIDAL FLOOD BARRIERS

- ☐ Approved March 31, 2020
- ☐ Accounts for:
 - 2 feet sea level rise
 - High tides
 - 25-yr storm surge
- ☐ Requires **5 feet NAVD by 2050**,
allows **4 feet NAVD until 2035**
- ☐ Requires municipal adoption in 2 years

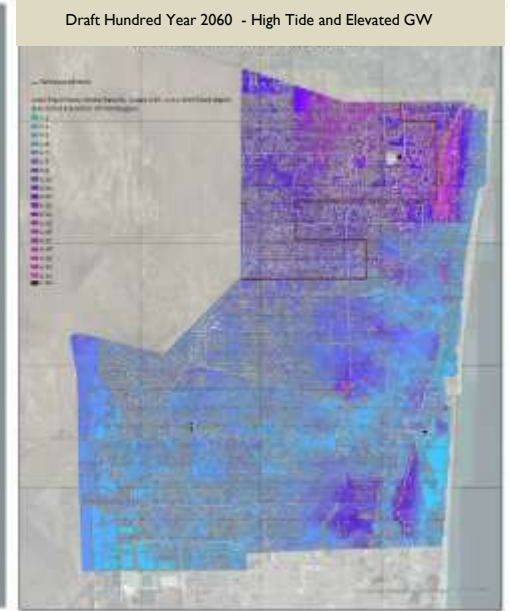
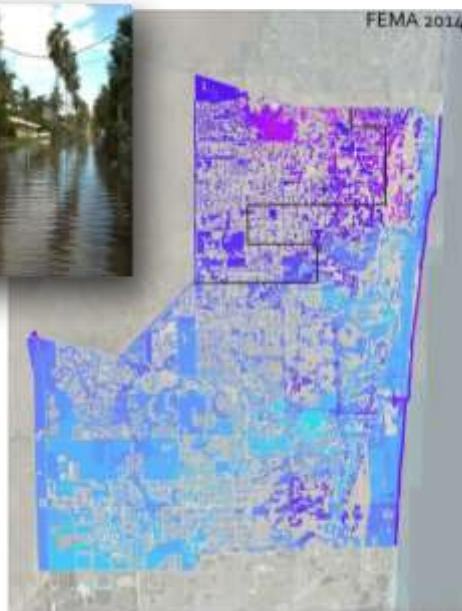


Hollywood Marina



FUTURE CONDITIONS: 100-YEAR FLOOD MAP

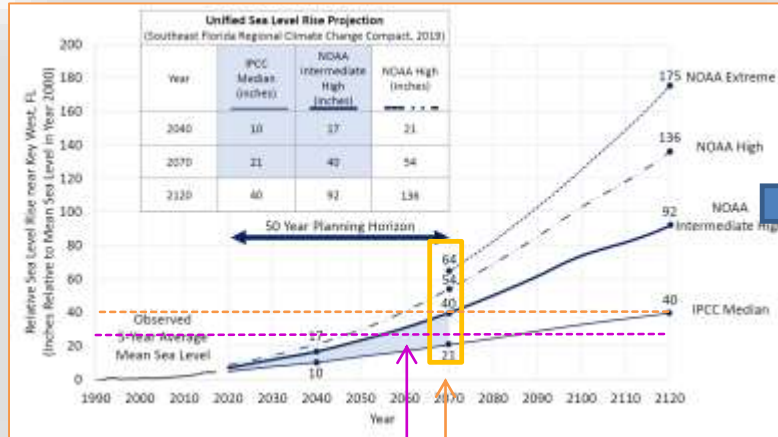
2060 condition: 2 feet SLR (GW, Surface Water, High Tide, 13% Rainfall Increase)



FUTURE CONDITIONS: THE NEXT GENERATION

PPA Workshop:
June 23 at 10 am &
July 7 at 1 pm.

Approved March 10, 2020

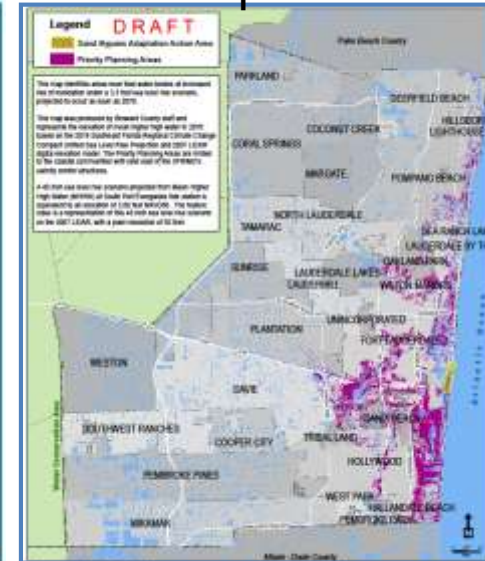
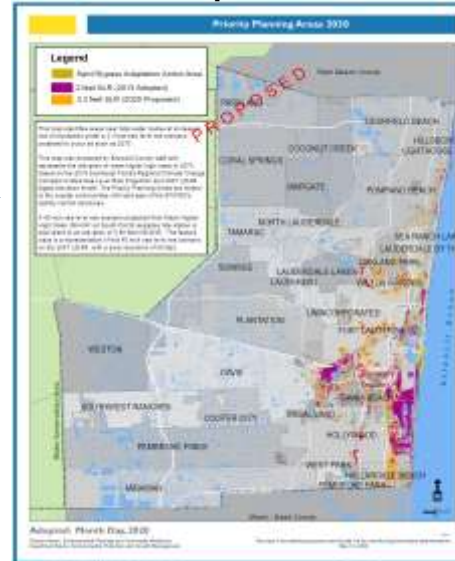


24" Previous Target

40" Current Target

2020 Priority Planning Area Update
2015 Map = 6.8 mi²

2020 Map = 17.6 mi²



<https://global.gotomeeting.com/join/698570677>

NEXT STEPS: A COUNTYWIDE RESILIENCE PLAN

- ❑ Update Groundwater Table Map
- ❑ Assess 100-yr Flood Elevation w/ 40" Scenario
- ❑ County-wide Risk Assessment and Resilient Infrastructure Plan
 - Basin-level analysis
 - Critical infrastructure and services
 - Mitigation strategies
 - Capital improvements
 - Redevelopment strategies
 - Planning level cost estimates
 - Quantified risk reduction
 - Implementation scenarios



Courtesy of MIT and U Toronto

Dr. Jennifer L. Jurado
Chief Resilience Officer, Director
Environmental Planning and Community Resilience Division
Broward County
jjurado@broward.org
954-519-1464

