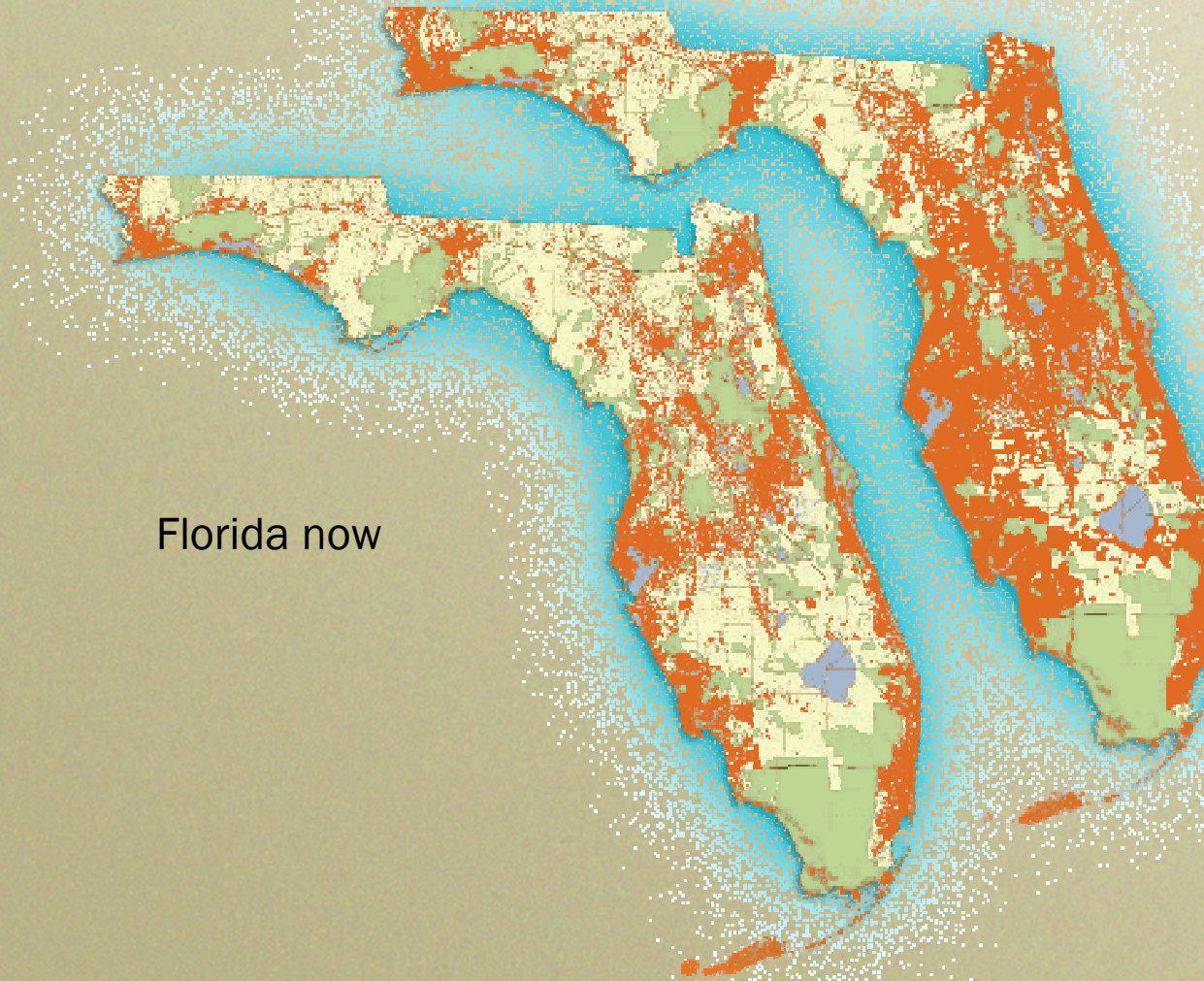




## Wildlife 2060:

What's at stake for Florida?

# What future do we want?



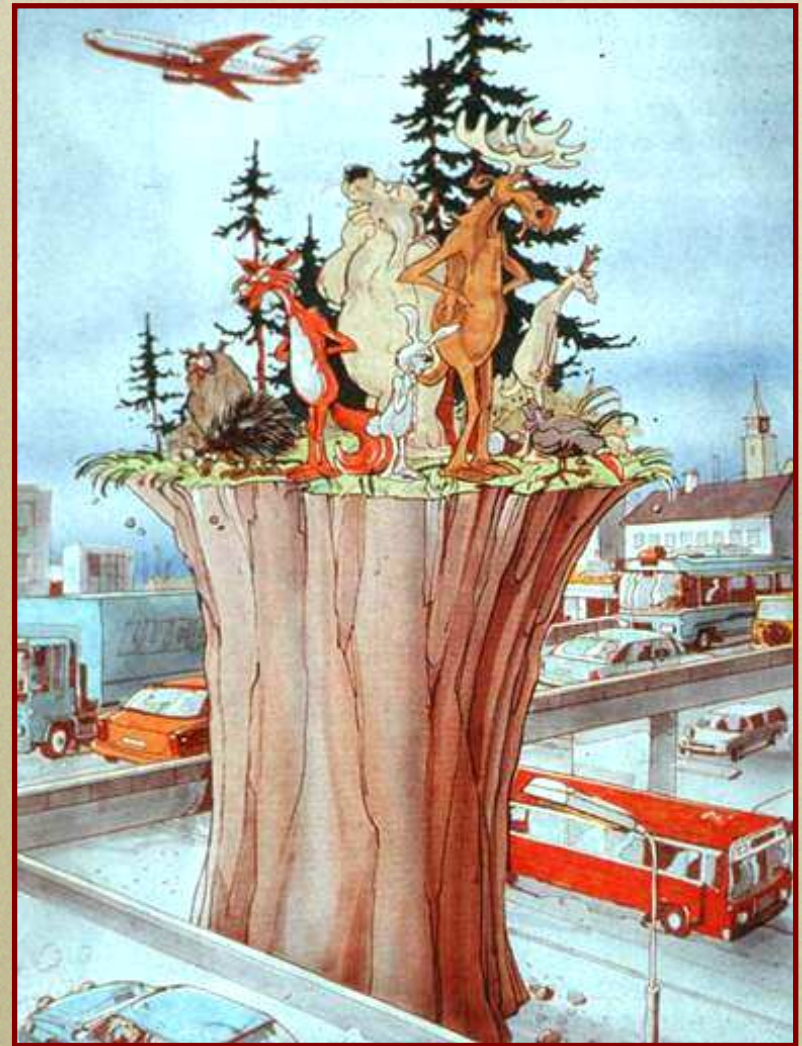
Florida now

Possible Florida  
in 2060



# Issues to consider

- Habitat loss
- Habitat isolation
- Coastal challenges
- Water quality and quantity
- Wildlife/Human interactions
- Access to land and water



# Habitat loss



An area the  
size of Vermont  
is at stake.



2.3 million acres of black bear habitat



2.1 million acres of wild turkey habitat

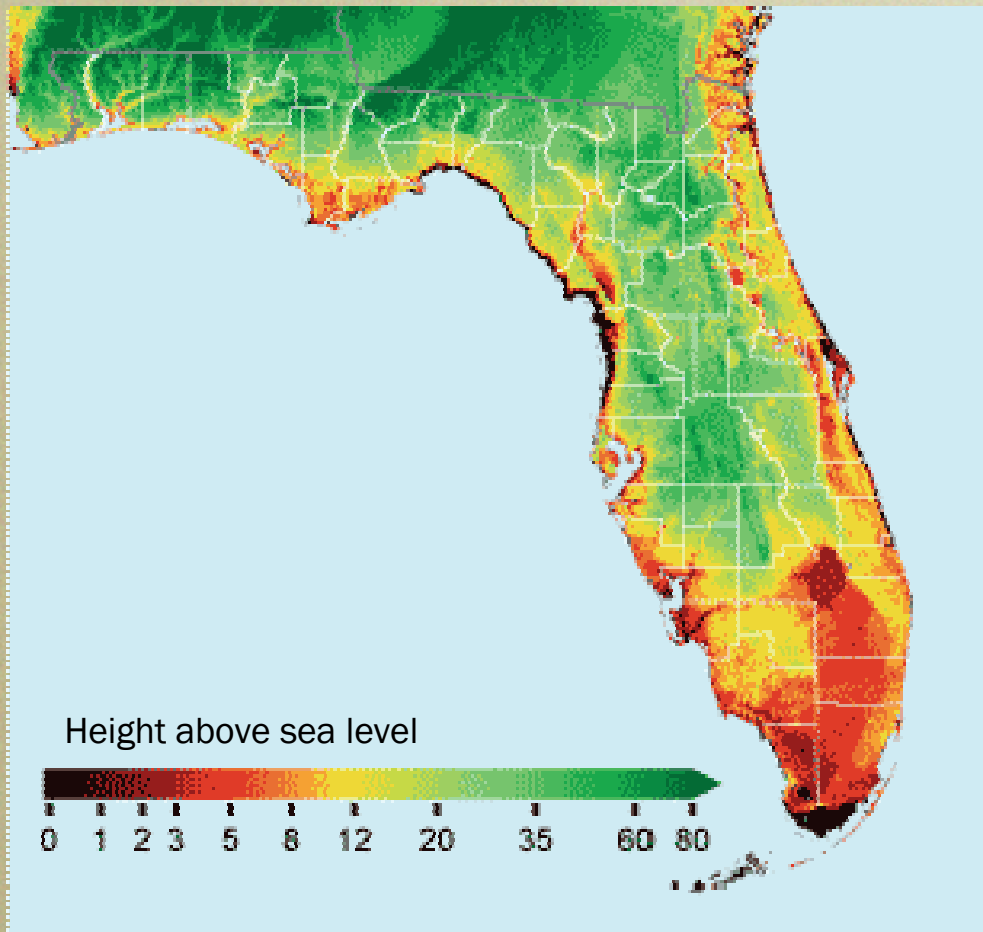


700,000 acres of gopher tortoise habitat



How important are fish and wildlife species to you?

# Coastal challenges



What happens to our coasts if sea level rises?



# Climate Change 2100:

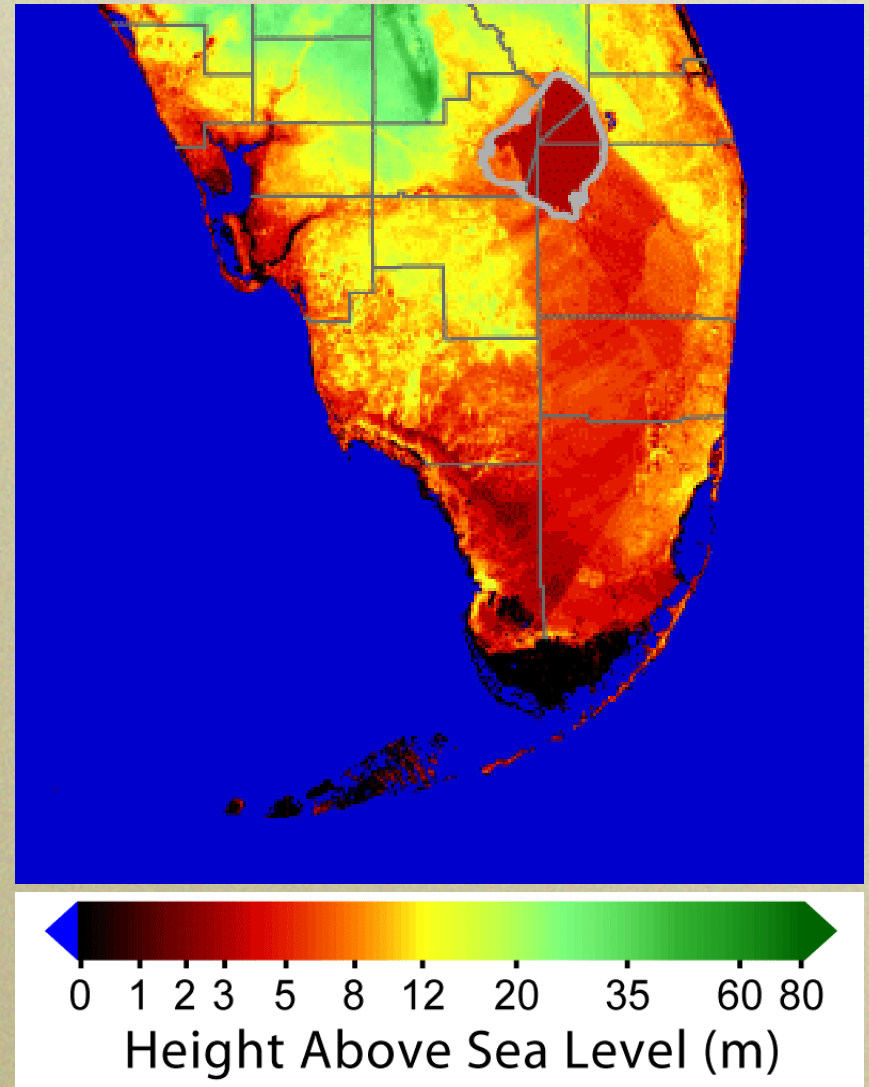
What's at stake for  
Florida's Wildlife?



# Everglades Inundated

Greenland ice shelf collapses  
– sea level rises 25 feet!

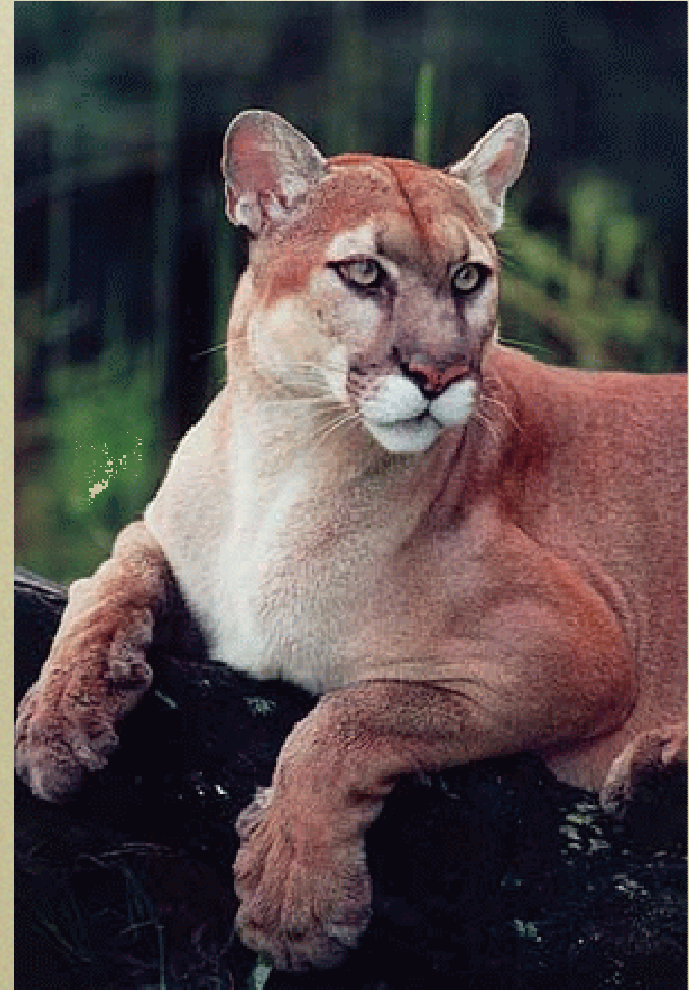
- Billions sunk on re-plumbed Everglades
- River of grass now seagrass
- Shallow water wildlife flourishes



# Captive Panthers

People retreat inland from rising surf

- Public lands used to settle displaced residents
- Last wild panther captured
- Zoos only remaining refuge for homeless cats





# Migrating Manatees

Ocean temperatures warm to record levels

- Warming waters a welcome to manatees
- Manatee range expands northward to the Carolinas
- Manatees off endangered list



# Imperiled Species List Swells

Most wildlife squeezed by changing climate and growth

- 30% of Florida's wildlife species listed as imperiled
- Climate changes disrupt many life history traits
- People place economy over species conservation



# FWC Climate Change Resolution

**NOW THEREFORE**, be it resolved by the Florida Fish and Wildlife Conservation Commission in a duly constituted and assembled meeting:

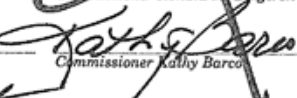
1. That we do hereby express our deep concern as to the potential effects of ongoing global climate change on the fish and wildlife resources of the State of Florida.
2. That we hereby encourage and support science and management that will effectively assess the future effects of global climate change on Florida's fish, wildlife and ecosystems.
3. That we hereby direct the staff of the Commission to engage with other experts from government, academia, industry and conservation organizations to develop recommendations for conserving fish and wildlife in the face of global climate change.
4. That we support state, federal and international programs that will reduce or abate human-induced causes of global climate change.
5. That we do hereby record the sentiments of this resolution forevermore in the minutes and records of the Florida Fish and Wildlife Conservation Commission.

**DONE AND RESOLVED** at St. Petersburg, Florida this 12<sup>th</sup> day of September, 2007.

  
Chairman Rodney Barron

  
Commissioner Ronald M. Bergeron

  
Commissioner Kenneth W. Knight

  
Commissioner Kathy Barco

  
Commissioner Richard A. D'Alto

  
Commissioner Brian S. Yablonski

  
Committee Director Diana Stephenson

Attest:



# FWC Climate Change Summit



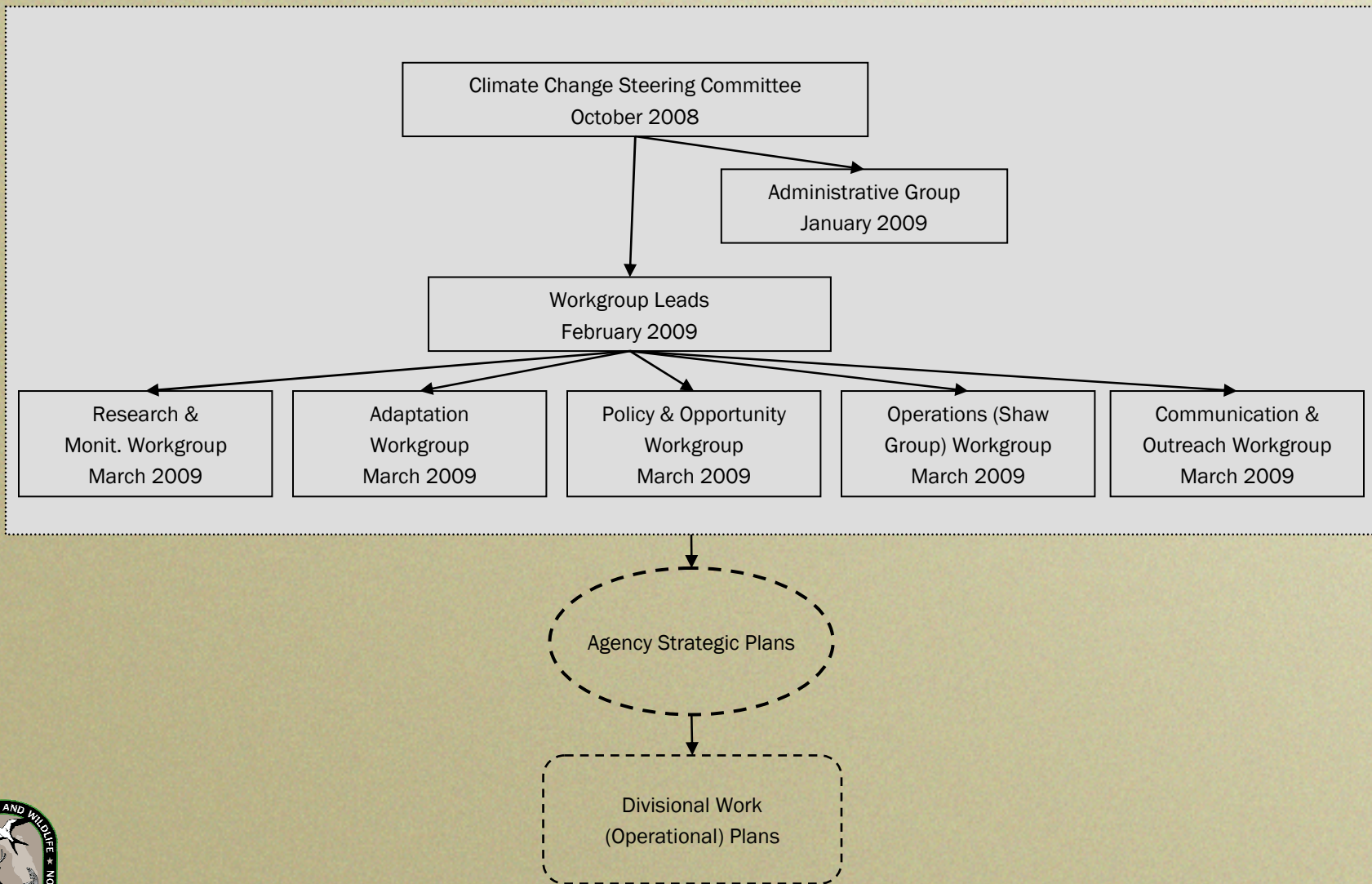
## Florida's Wildlife: On the Frontline of Climate Change

October 1-3, 2008 • Rosen PLAZA, Orlando

- First of its kind in nation
- Started with partner and stakeholder thoughts
- 6 sessions with final report



# FWC Climate Change Team




# AFWA Voluntary Guidance

- Executive Summary
- Four Chapters:
  - Adaptation
  - Toolkit – Vulnerability assessments; Adaptive Management; Monitoring
  - Action Plan Revision Process (*by element*)
  - Climate Change and Wildlife References & Resources (*Appendix*)
- Each chapter is structured to stand alone, complete with pertinent Case Studies
- Living document on [www.fishwildlife.org](http://www.fishwildlife.org)




# Climate Change Opportunity

**Florida's  
Wildlife Legacy  
Initiative**



*Keeping Common  
Species Common*



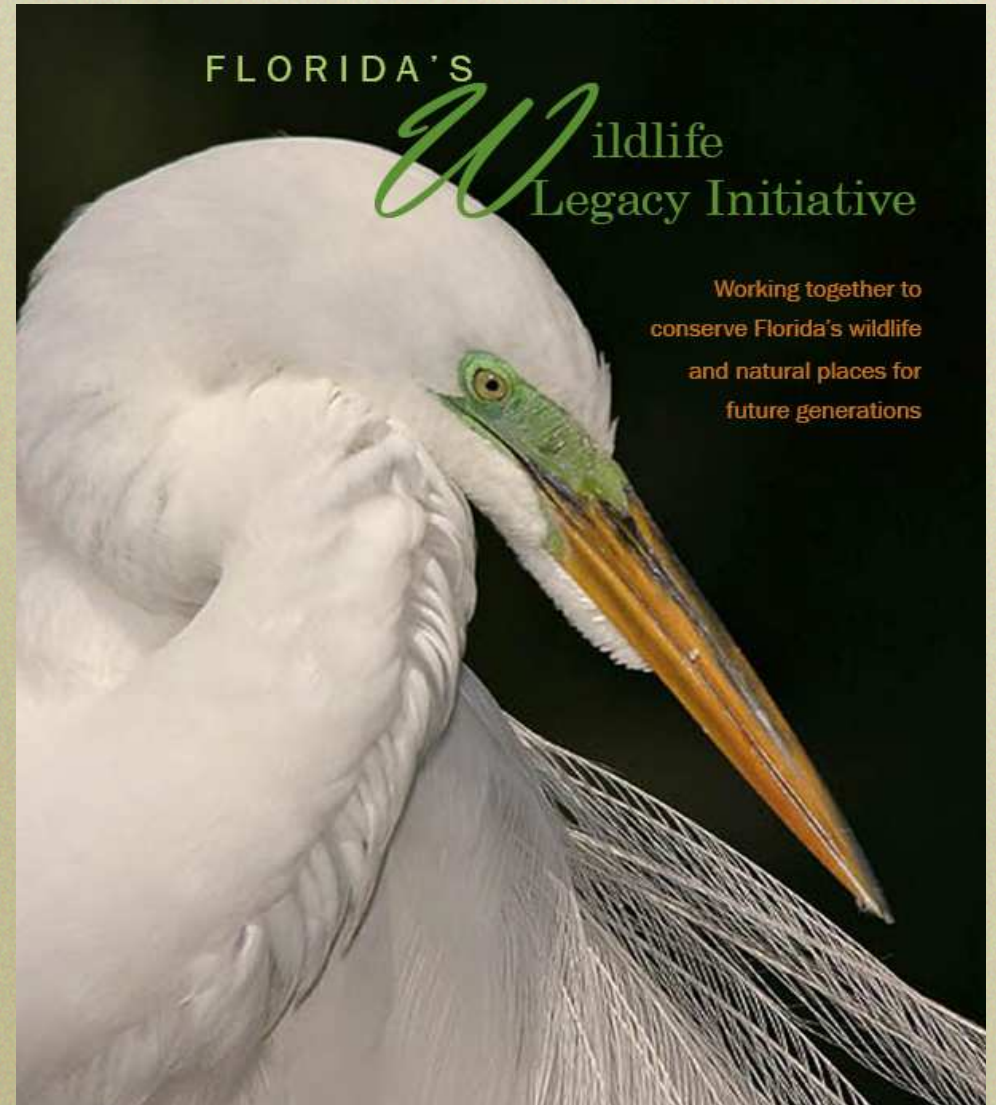
Florida Fish and Wildlife  
Conservation Commission  
Visit: [MyFWC.com/wildlifelegacy](http://MyFWC.com/wildlifelegacy)

- Landscape Conservation Cooperatives (FWS)
- Climate Science Hubs (USGS)
- Carbon Markets = Big \$\$\$
- Public and Political Interest
- Other Funding (SWG)



# Florida's Wildlife Legacy Initiative

- 3 Main Components:
  - Comprehensive Wildlife Conservation Strategy (Action Plan)
  - State Wildlife Grants
  - Partnerships



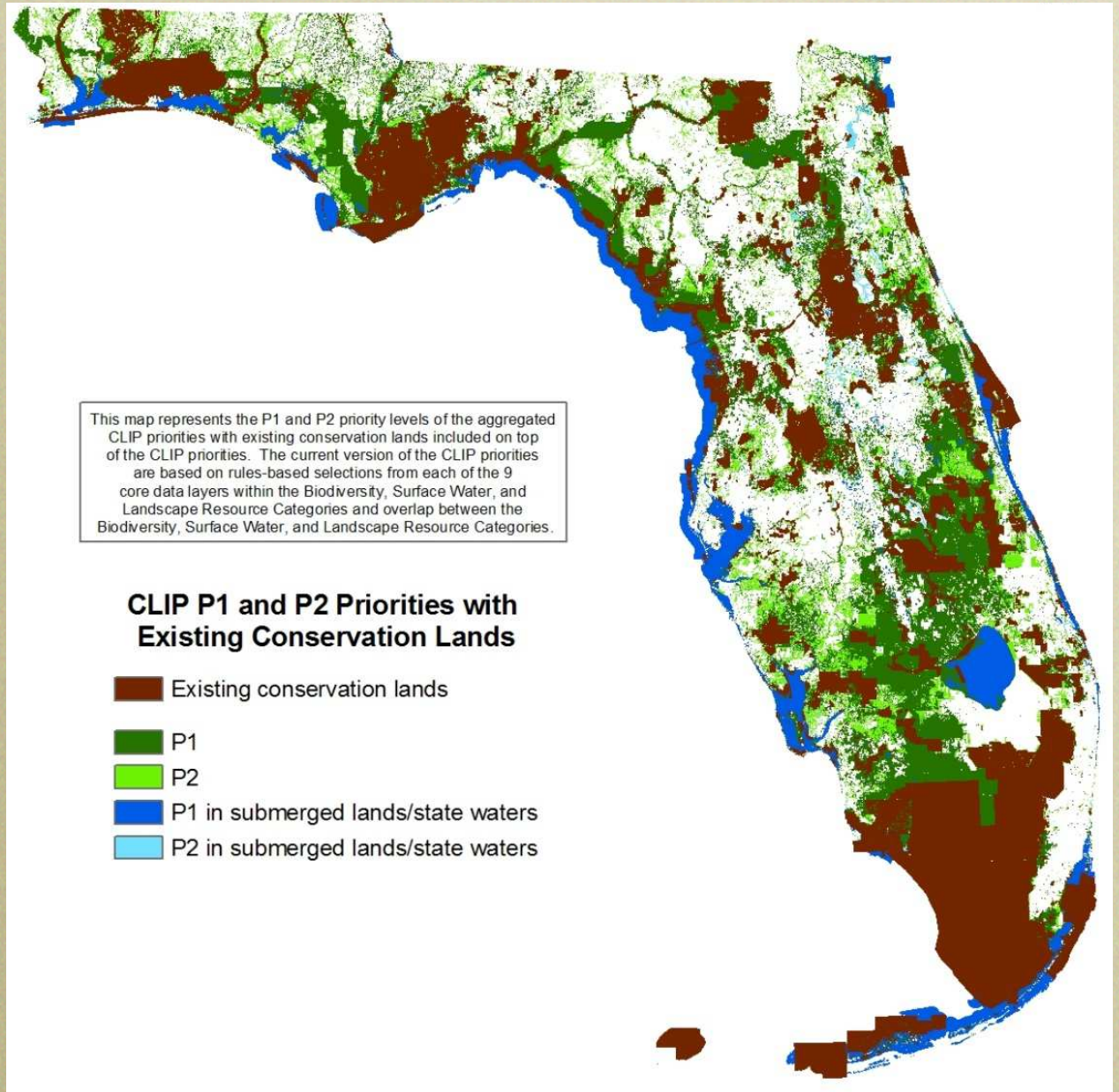


# Wildlife Action Plan Revision

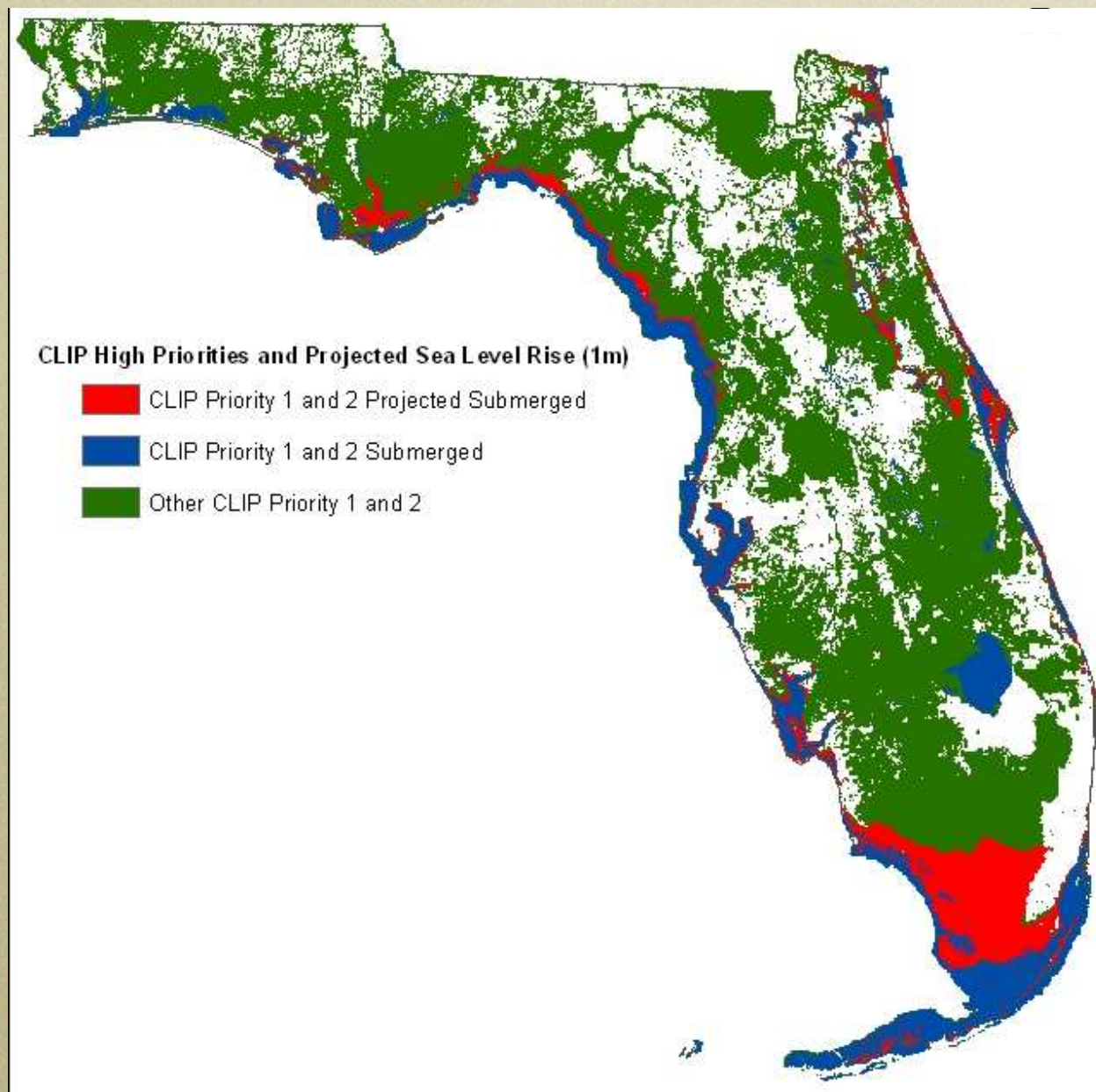
- Climate Change
  - Changes to SGCN?
  - New Chapter (Multiple Threat)
    - First cut vulnerability assessment
    - Mapping of sea-level rise scenarios
    - Future research and conservation needs
  - Tie-ins to other chapters as needed



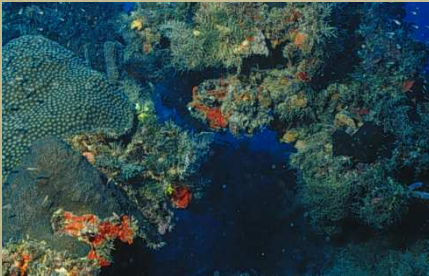
# CLIP - Consensus Priority 1 & 2



# CLIP - 1 & 2 Priorities 1 meter Sea Level Rise



# Climate Change Challenges



- Uncertainty
- Increased rate of change
- No-Analog future
- Interactions with existing issues
- Keeping a wildlife focus when human needs directly at risk



“The ultimate test of man's conscience may be his willingness to sacrifice something today for future generations whose words of thanks will not be heard.”

~ Gaylord Nelson

