



~1910: "100,000 birds"

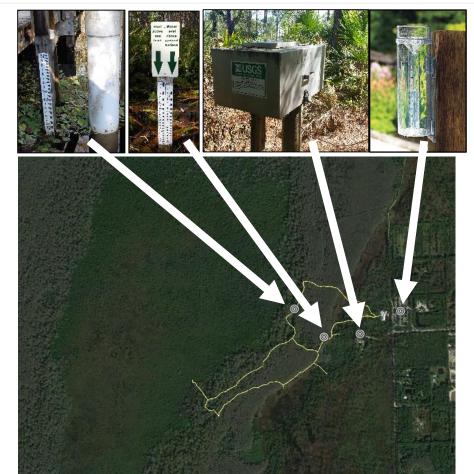
Year



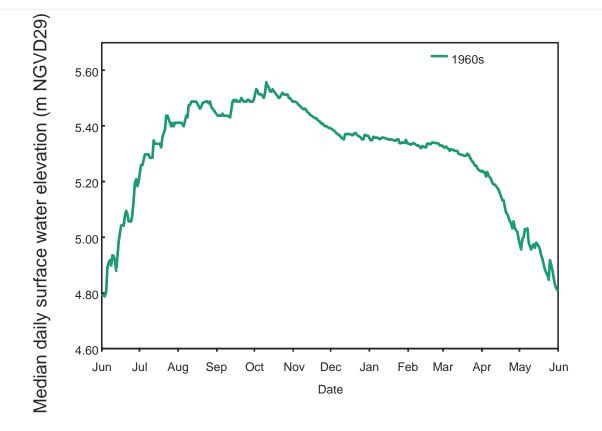
RAINFALL 1959-

SURFACE WATER
Staff Gauges
1959-

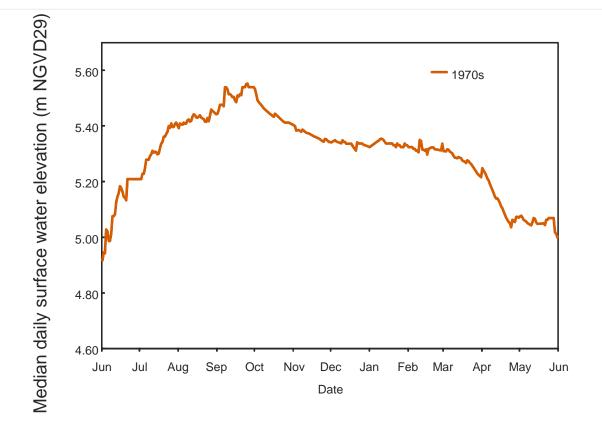
GROUNDWATER Well (C-492) 1973-



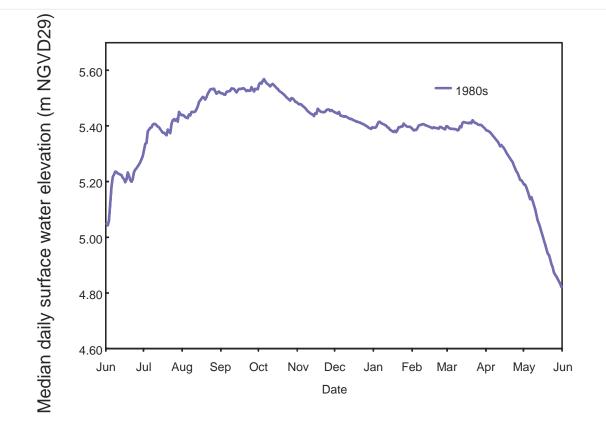




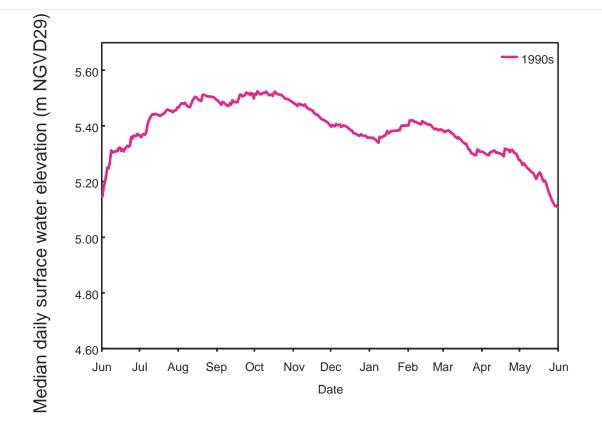




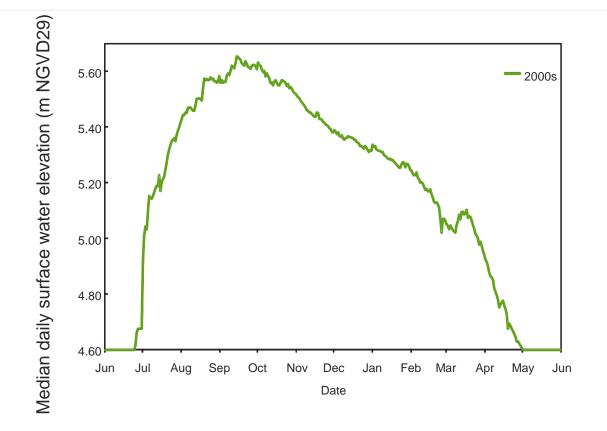




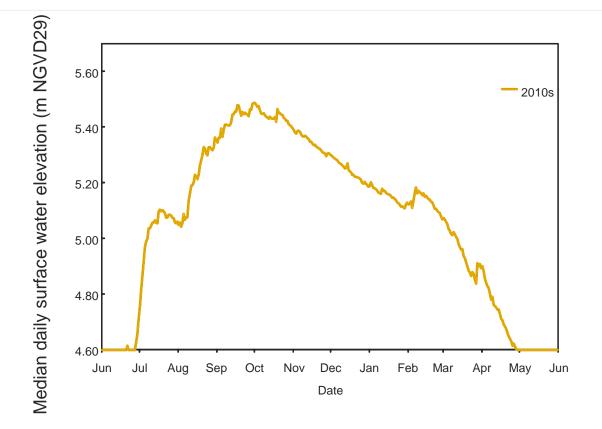




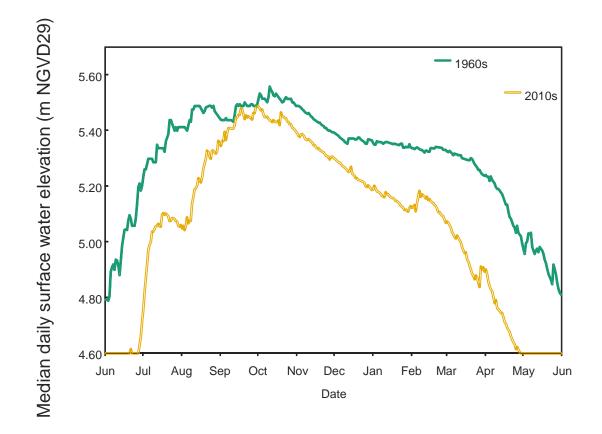














1960s to 2010s:



Freshwater Marsh





Bald Cypress



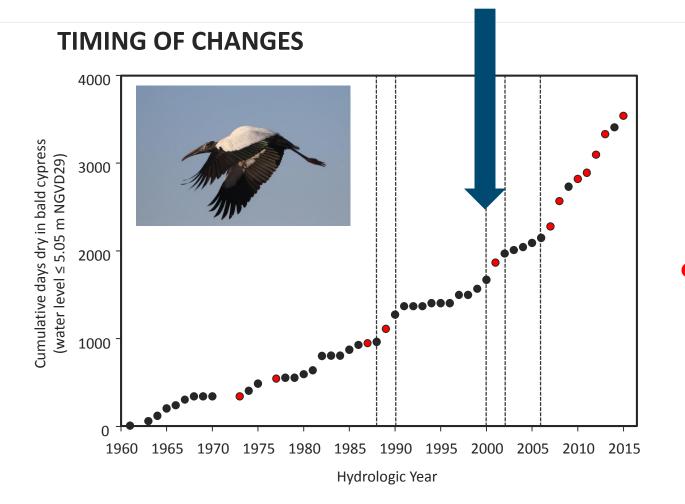


Pond

Clem, SE & MJ Duever. 2019. Hydrologic changes over 60 years (1959-2019) in an old-growth bald cypress swamp on a rapidly developing landscape. Wetland Science & Practice 36(4): 362-372.







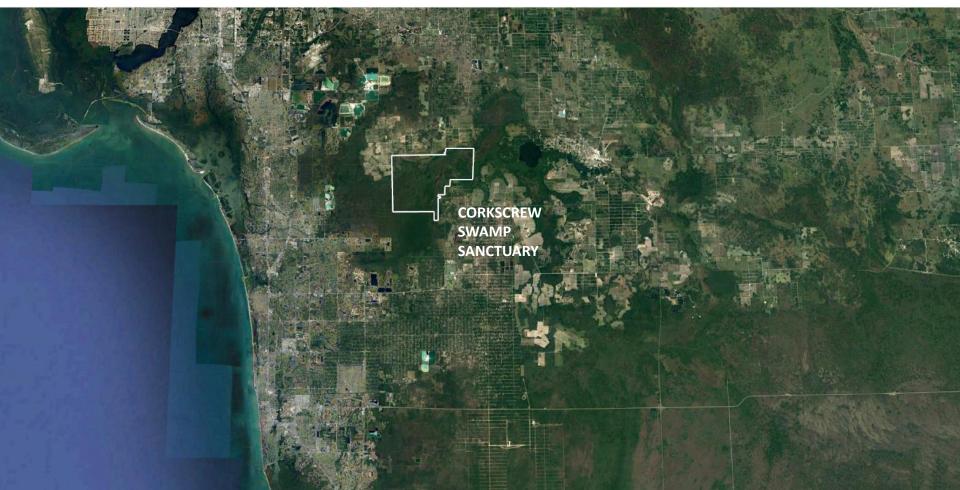
No Wood Stork nesting at Corkscrew





Corkscrew provides a cautionary tale for our region, our state



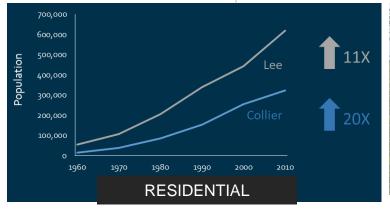




Where is our water going?









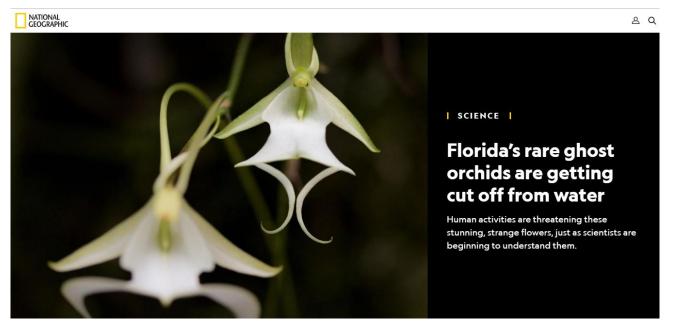


Impacts for wildlife





- Impacts for wildlife
- Impacts for plants





- Impacts for wildlife
- Impacts for plants
- Increased wildfire risk





- Impacts for wildlife
- Impacts for plants
- Increased wildfire risk
- Reduced freshwater storage (water supply, saltwater intrusion)



EHIGH ACRES, Fla. A severe drought in Southwest Florida has been tough on Maria and her family.

Maria, who didn't want to reveal her last name, said the family's private well stopped working due to the area's low aquifer levels, causing them to go without water for three days.

Although it rained Friday, it wasn't enough to replenish canals, lakes and wells, which forced the family to get creative.

"I've got good water from my mom and neighbor," Maria said.

The family is currently storing some of that water in a giant bucket on the back of a flatbed truck.



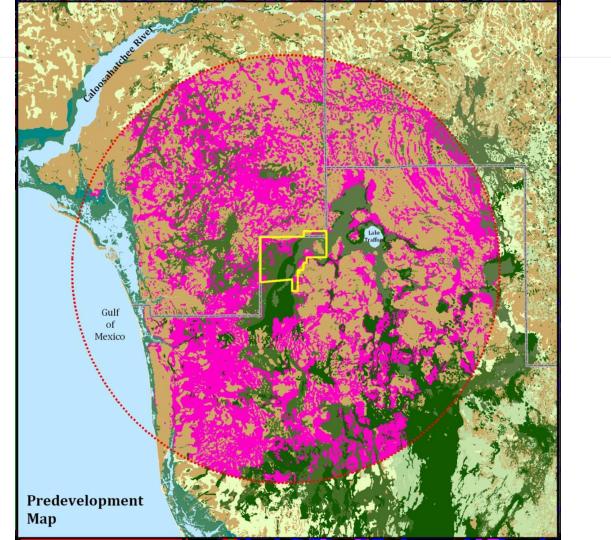
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- Reduced freshwater filtration





- Impacts for wildlife
- Impacts for plants
- Increased wildfire risk
- Reduced freshwater storage (water supply, saltwater intrusion)
- Reduced freshwater filtration
- Reduced salinity buffering

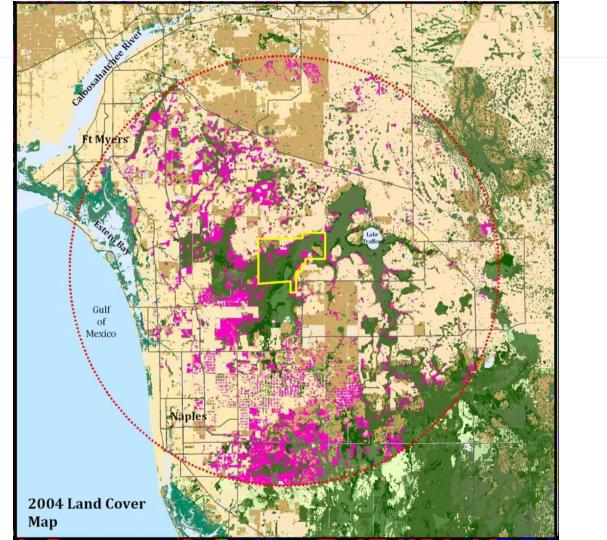




How big a problem

is this?

Audubon



80% loss of short hydroperiod (shallow) wetlands

Audubon



- SWFL wetlands don't have the same hard barrier for development as we have on the east coast development creeps farther inland
- The Western Everglades' characteristic habitat mosaic allows development of uplands in close proximity to wetlands
- Widespread wetland loss in our region is making it more important for us to protect our remaining resources
- We need to broaden our conversations of inland and coastal conservation issues, and help the public, elected officials, and other stakeholders better understand the important links between these ecosystems

