







Problems in the Everglades:-

- Is massively engineered by US Army Corps of Engineers
- Construction of Lake Okeechobee levees has diminished water flow, competition for fresh water

MEN'S ELLO

- Crowded already After WW2 -2000 seven times increase in pop. 87 million tourist in 2011
- The State bought out United States Sugar Co. – largest US sugarcane producer
- Invasive species abound (Burmese python, Melaleuca tree)

Agriculture and nutrientsEutrophication

Eutrophication

Eutrophication

Flystoplanton

Phytoplanton

Phytophania

Agaa die

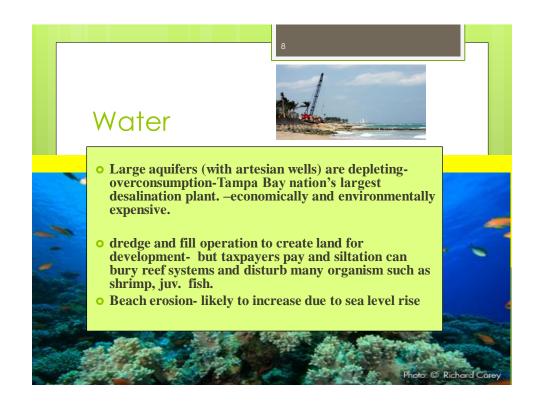
Grygen

Eutrophication leads to a loss of food, habitat, and ovygen production

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Restoration efforts

- CERP (Comprehensive Everglades Restoration Plan began in 2000 ..\$12billion
- Increase water flow
- Increase water-storage
- Improve water quality
- Improve water delivery
- Improve connectivity by removing canals.

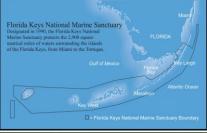


Florida Keys

 The only living coral reef ecosystem in North America is the 1,700 island Florida Keys archipelago that curves 150 miles into the Gulf of Mexico.

 coral and limestone islands—the highest point on the Keys is only eighteen feet above sea level.

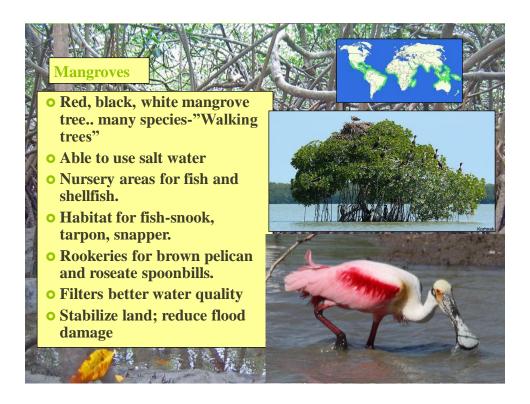
o dissipate wave energy

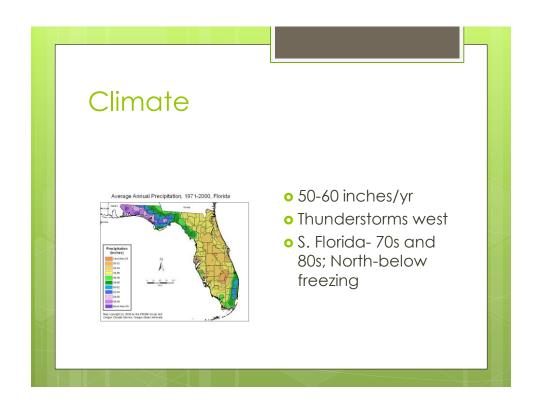




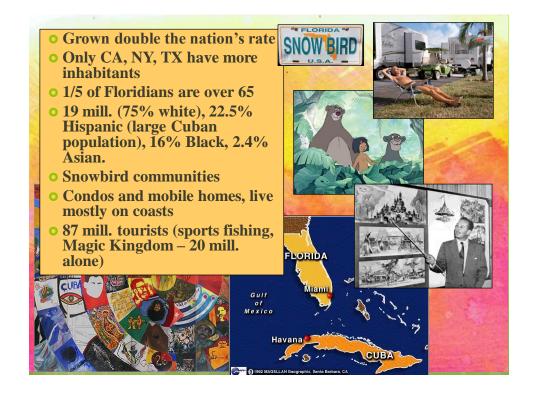
Florida Keys coral

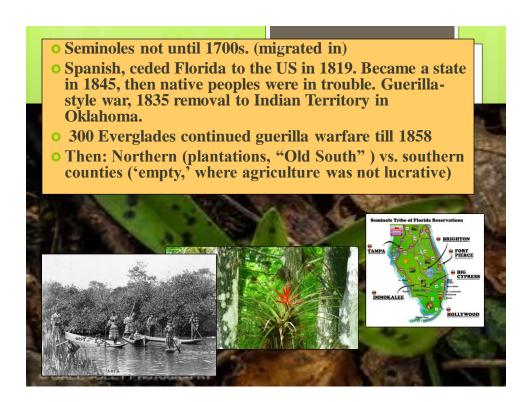
- 6,000 coral reefs
- grow slowly, about sixteen feet every 1,000 years,
- protected from harvesting or even touching,
- boaters will inadvertently damage them when anchoring.
- Silt
- Bleaching with increase in ocean temperature

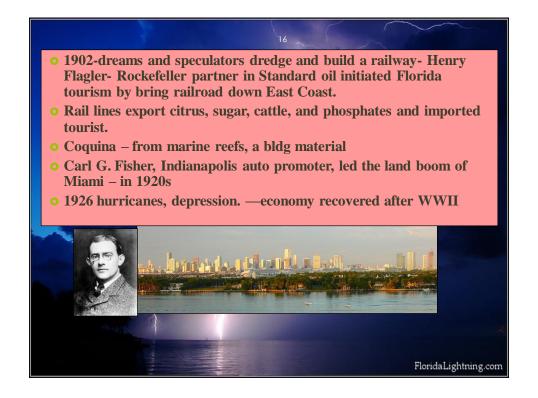












AGRICULTURE

- Phosphates (East of Tampa Bay)- 75% of America's phosphate and 25% of worlds
- sugar cane half of cane grown in Florida- More suited to tropical not subtropical climate of Florida- subsidized and polluting
- Citrus- 68% of nations oranges and 73% grapefruits about twice of California production.
- Nursery crops- 2nd only to CA.
- Long growing season and ample precipitation-provide out of season crops
- Winter vegetables: but profits are small, labor is low wage in ag. (competes with other NAFTA countries)

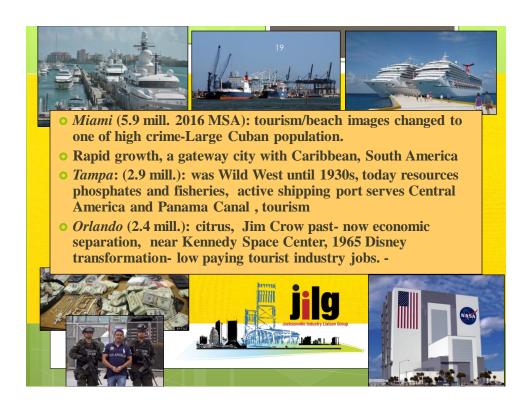




ECONOMY

- Tourism is the number 1 industy: \$57 bill. in 2007- Domestic 54% and foreign 46% Pays large portion of taxes.
- But increasing traffic, health care retirees, public safety and environmental problems.
- aerospace and defense, commercial space travel = 4th largest economy in the US
- No minimum wage, no state taxes –







Celebration 2010 pop. 7,427



A sustainable future?

- Impact of climate change? Sea level rise, increase of hurricanes?
- High use of energy for AC
- ${\color{blue} \bullet}$ $3^{\rm rd}$ in nation for rooftop solar potential but $14^{\rm th}$ for installed
- 2010 largest solar photo voltaic power plant in U.S. Power 3000 home- drop in bucket but a start. ---move toward reducing emission utilities, clean cars, energy-efficient appliances.

