



Jupiter, FL

# Water Issues:

## Local

## Regional

## Statewide

## National



Everglades, FL



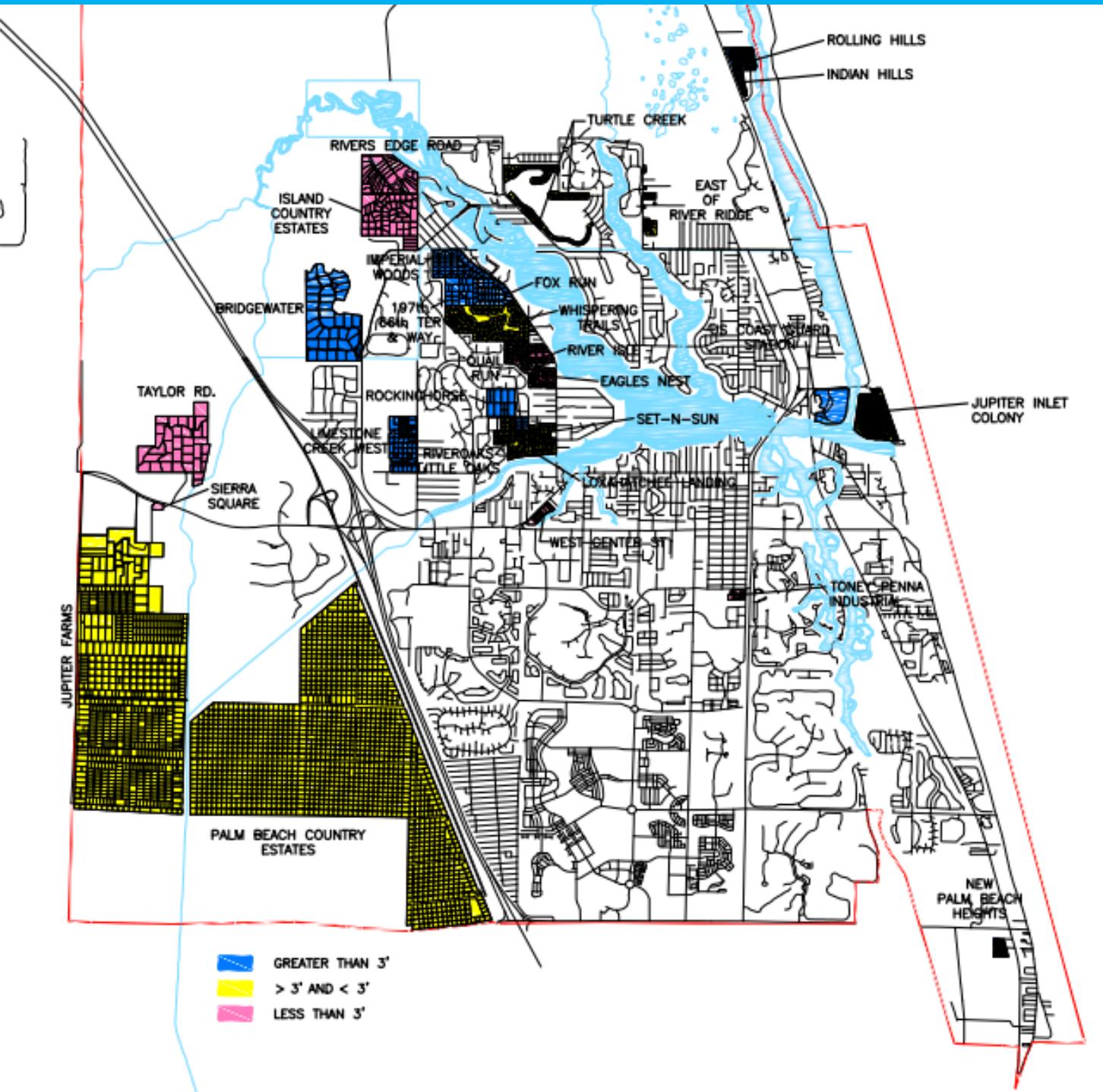
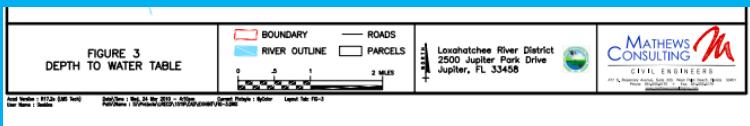
AL, GA, FL



ExxonMobil's Arkansas oil spill, 2013

# Local

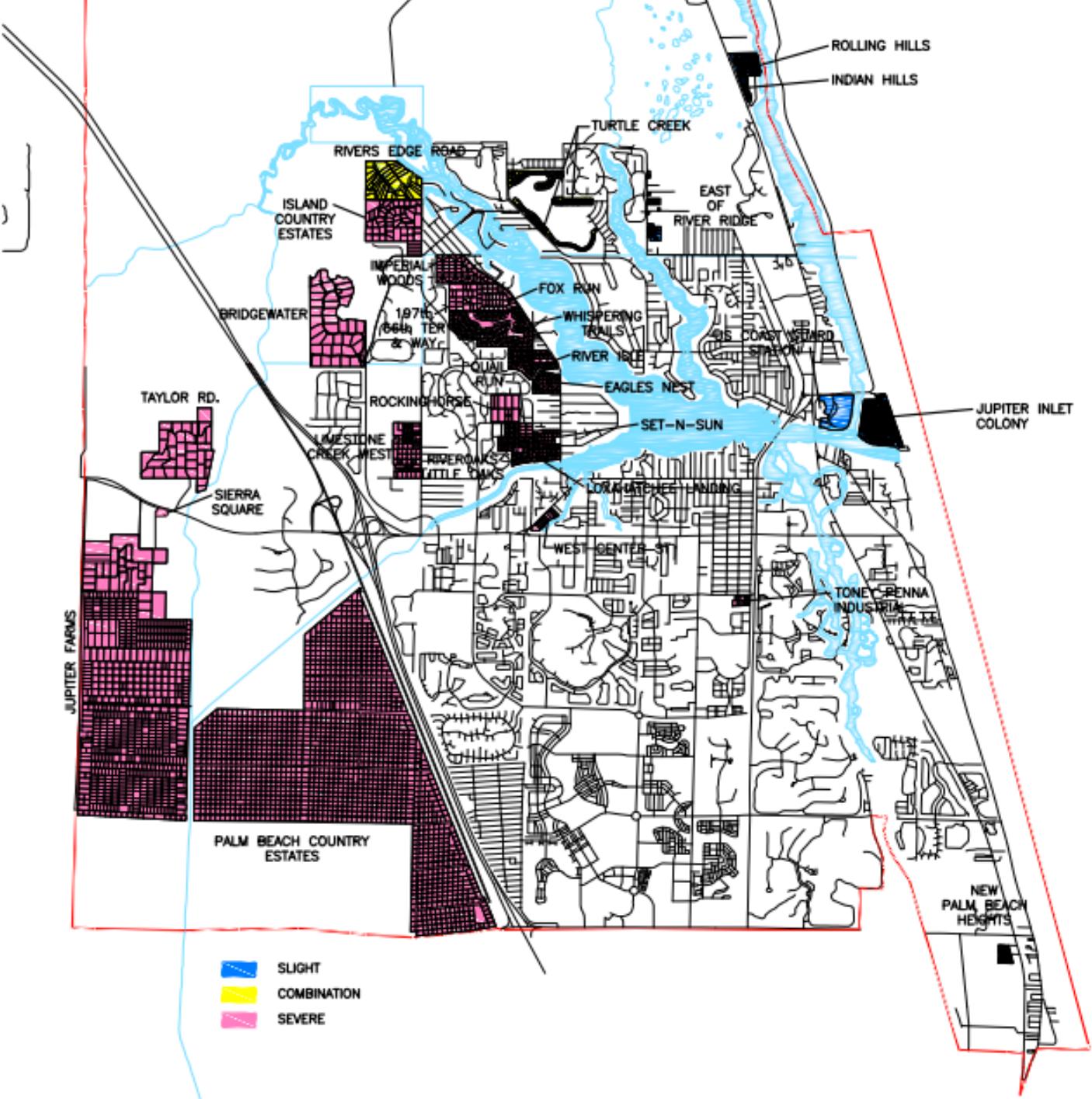
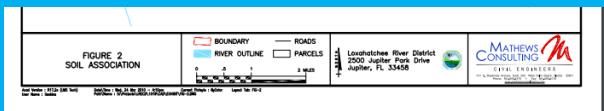
- 3,200 septic tanks
  - eastern urbanized portion of the Loxahatchee River District
- 2ft minimum required
  - from bottom of drain field and top of wet season water table elevation
- Map displays a depth of 1-foot plus the required 2-foot clearance
  - (averages, does not delineate wet season)



# Local

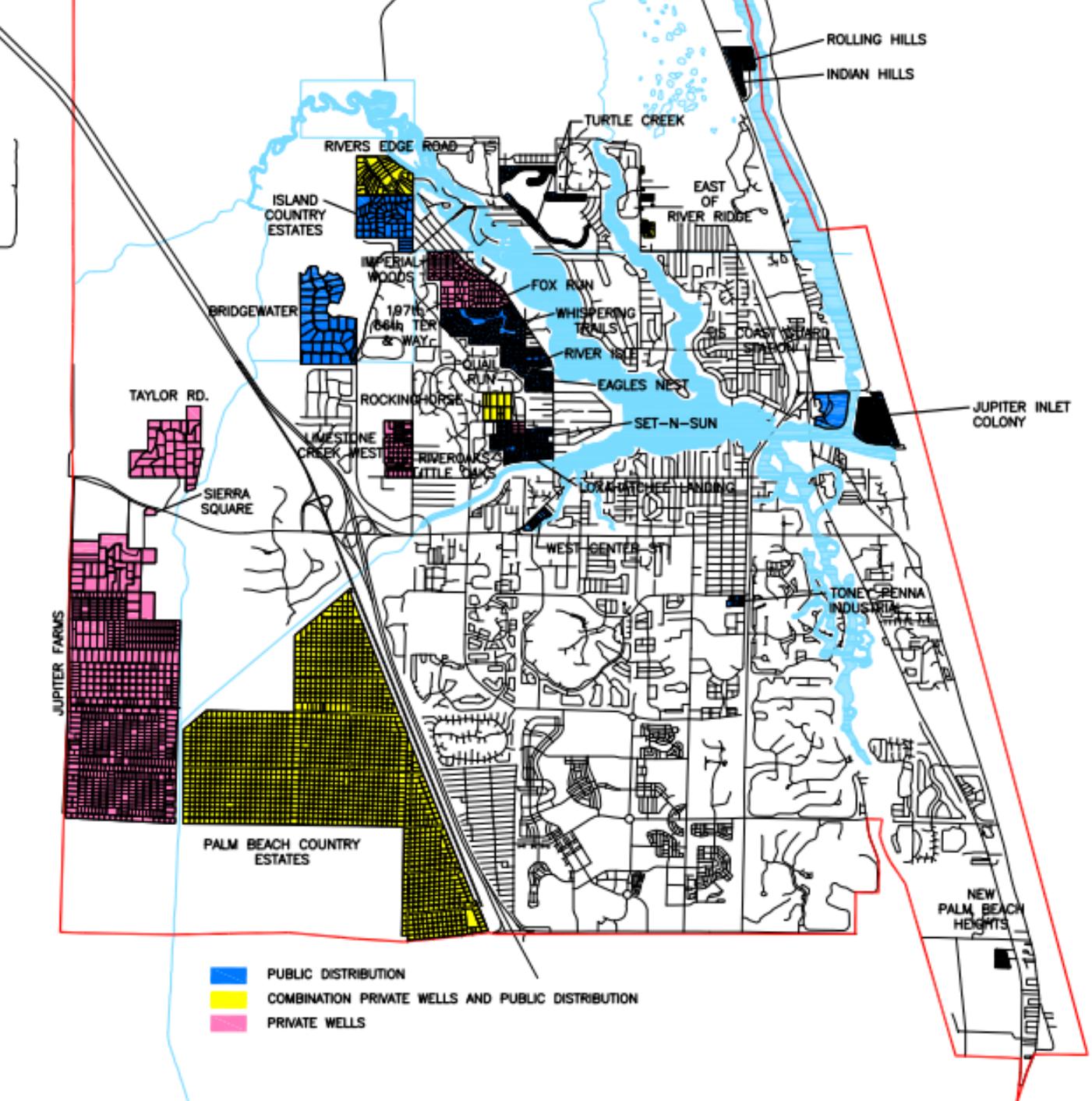
A severe rating is given to soil with unfavorable properties

- (i.e. high water table, muck, too permeable, poorly drained, etc.)
- Not considered able to safely drain and treat septic tank effluent

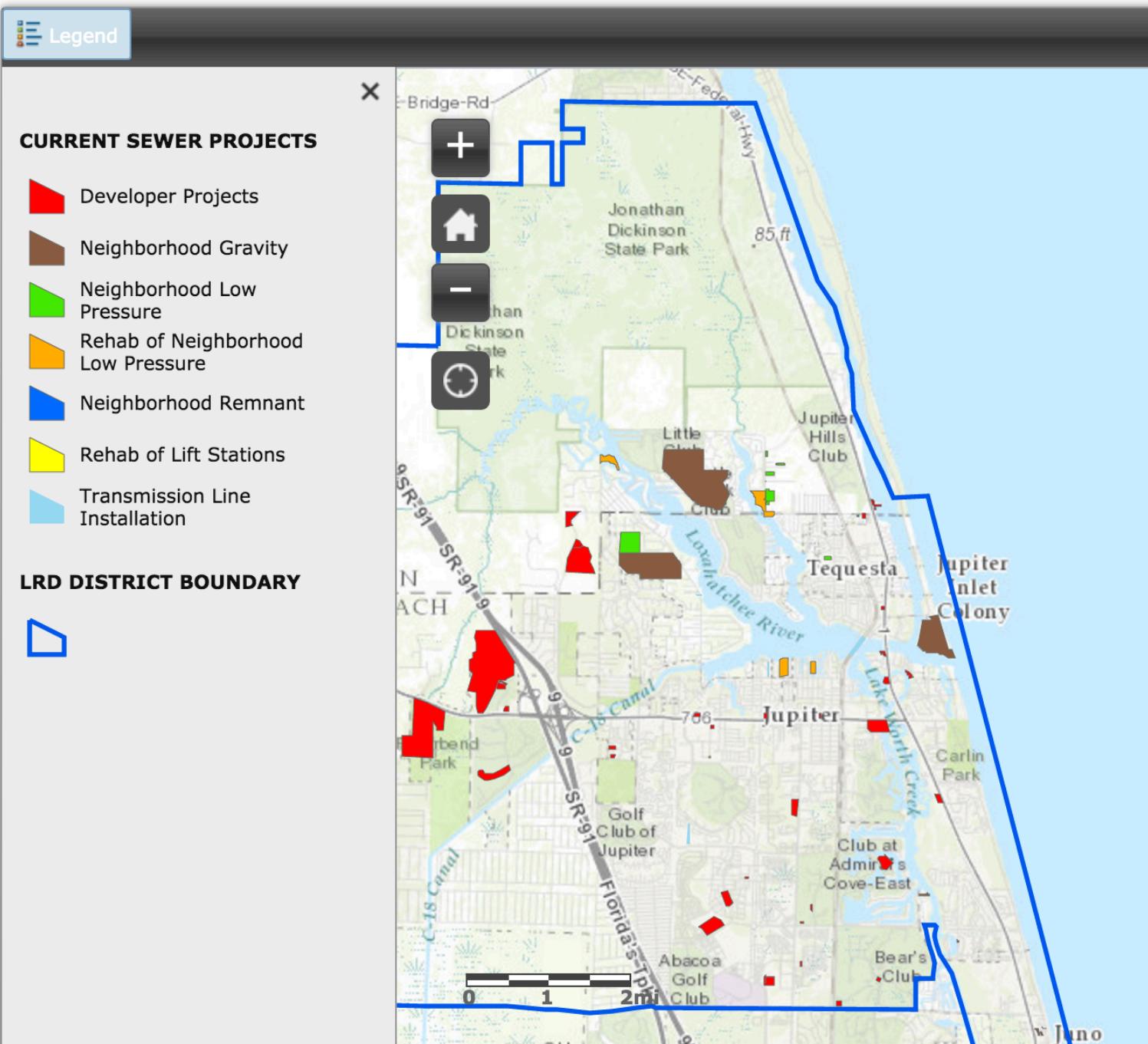


# Local

Regardless of the drinking water source, septic systems are used



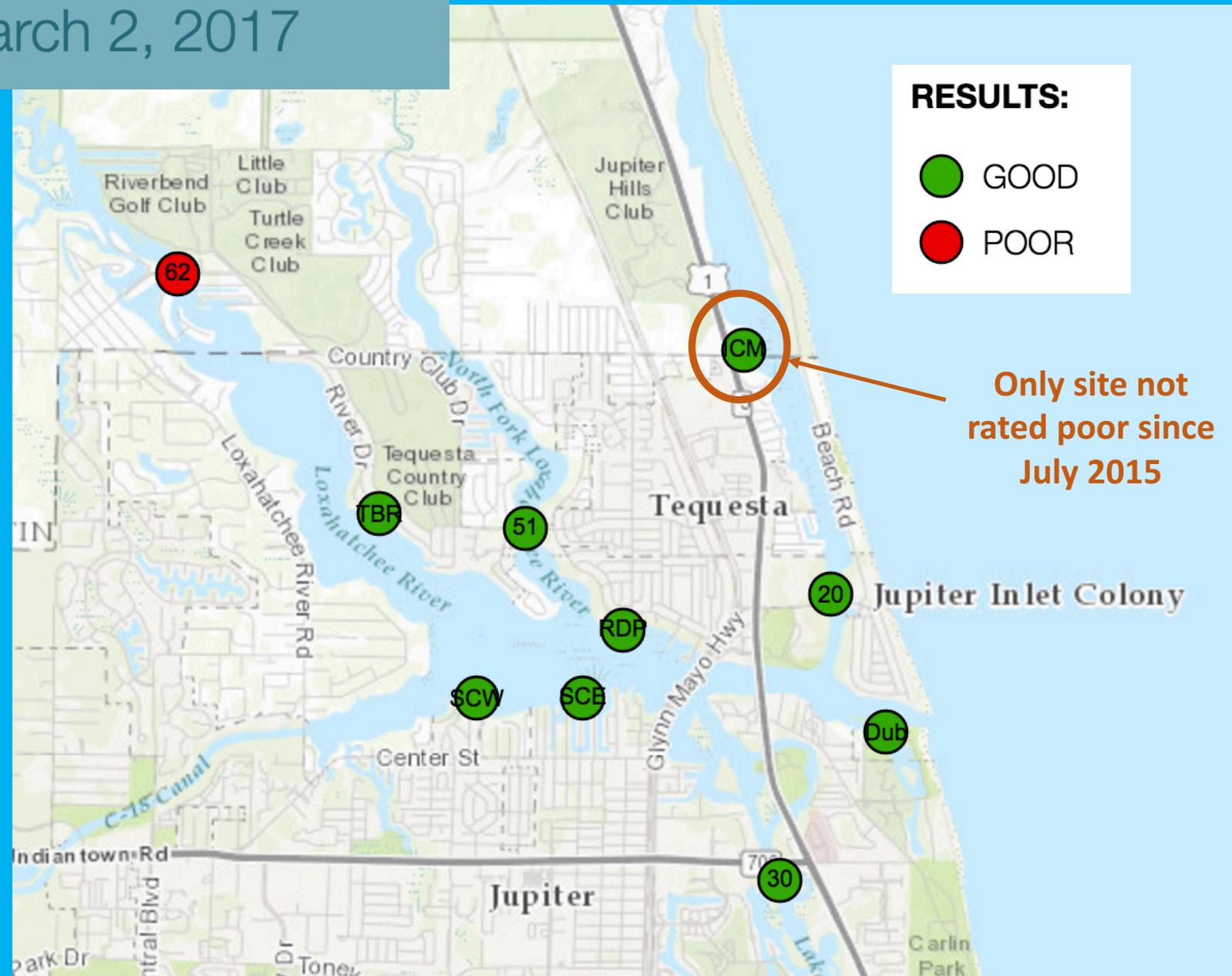
# Sewer Conversion and Infrastructure Projects



# Water Quality Results for the Loxahatchee River

Bacteria Results for March 2, 2017

"Poor quality" equaling 71 or greater enterococci per 100 milliliters of water



# Regional

## The Everglades and the St. Lucie River: Flows & Current Issues

Rivers Coalition  
April 25, 2013



# Regional

Add fracking, sea level rise, over development, a lack of green space for infiltration, increased drilling in the gulf, and a state governor that won't allow the term "Climate Change" to be used

ENVIRONMENT FEBRUARY 13, 2017 7:40 PM

## Coastal Everglades, deprived of fresh water, near unhealthy 'tipping point'

### Everglades under a microscope

For the last 16 years, dozens of scientists from 29 different agencies have been investigating the coastal Everglades as part of a long term research project based at Florida International University. In recent years, their findings have led them to worry that the bottom end of the Everglades may be in big trouble, wilted by decades of flood control and facing growing risk from sea rise driven by climate change. If freshwater is not restored soon, they fear the region will begin a self-replicating cycle of decline.



Source: Florida International University and Everglades National Park

MARCO RUIZ mruiz@miamiherald.com

# Statewide

The company that kept secret a massive sinkhole that drained a 215 million gallon radioactive pond into an underground aquifer said it didn't go public with the crisis for three weeks because it found "no risk to the public."

[Video here](#)



RIGHT NOW AT 5:00

NEIGHBORS DEMAND WELL WATER TESTING DUE TO SINKHOLE  
215M GALLONS OF TOXIC WATER GUSHING INTO GROUND

abc ACTION NEWS

5:00 87°

# Statewide

- Georgia:
  - metro Atlanta & Columbus
  - heavy agricultural usage
- Alabama:
  - water for power generation
  - municipal supply
  - fisheries
- Florida:
  - Apalachicola Bay multi-million dollar shellfish industry
  - low river flows and saltwater intrusion.



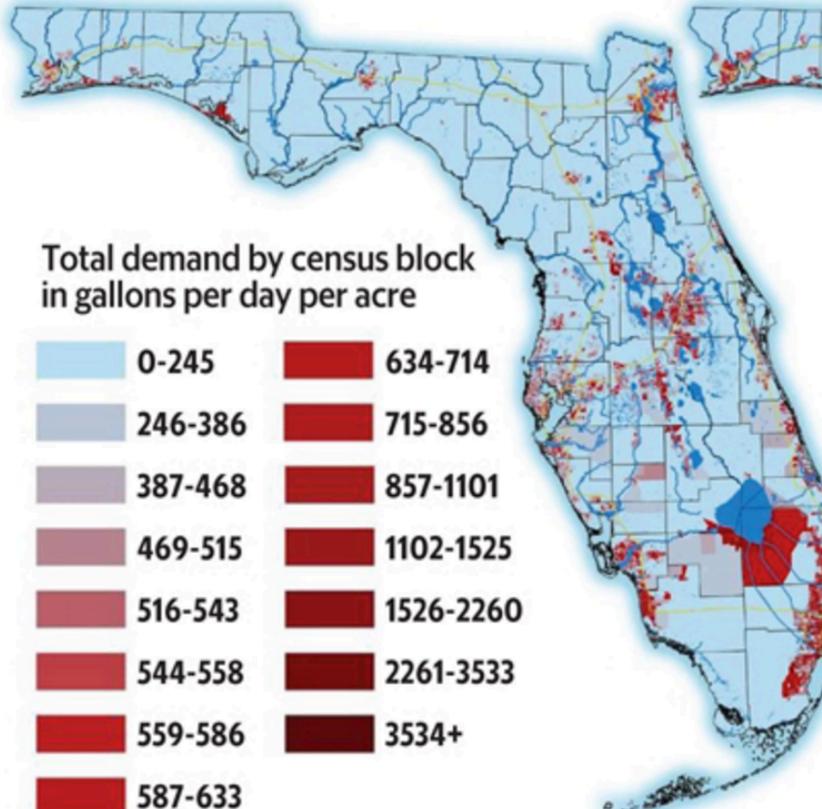
Lake Lanier In GA

# Statewide

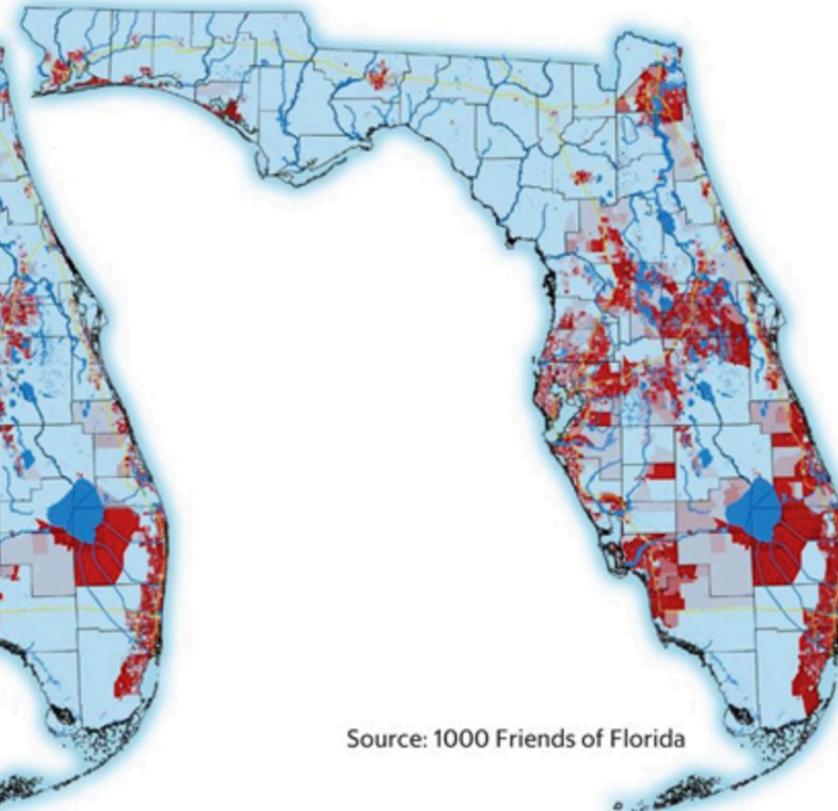
- 2003, 50% above projected usage
- Pumping treated water into aquifers
- Sink holes and contaminated aquifers
- Salt water intrusion

In **2010**, water consumption for development and agricultural uses across the state totaled about **5.3 billion gallons a day**.

Statewide 2010 Baseline



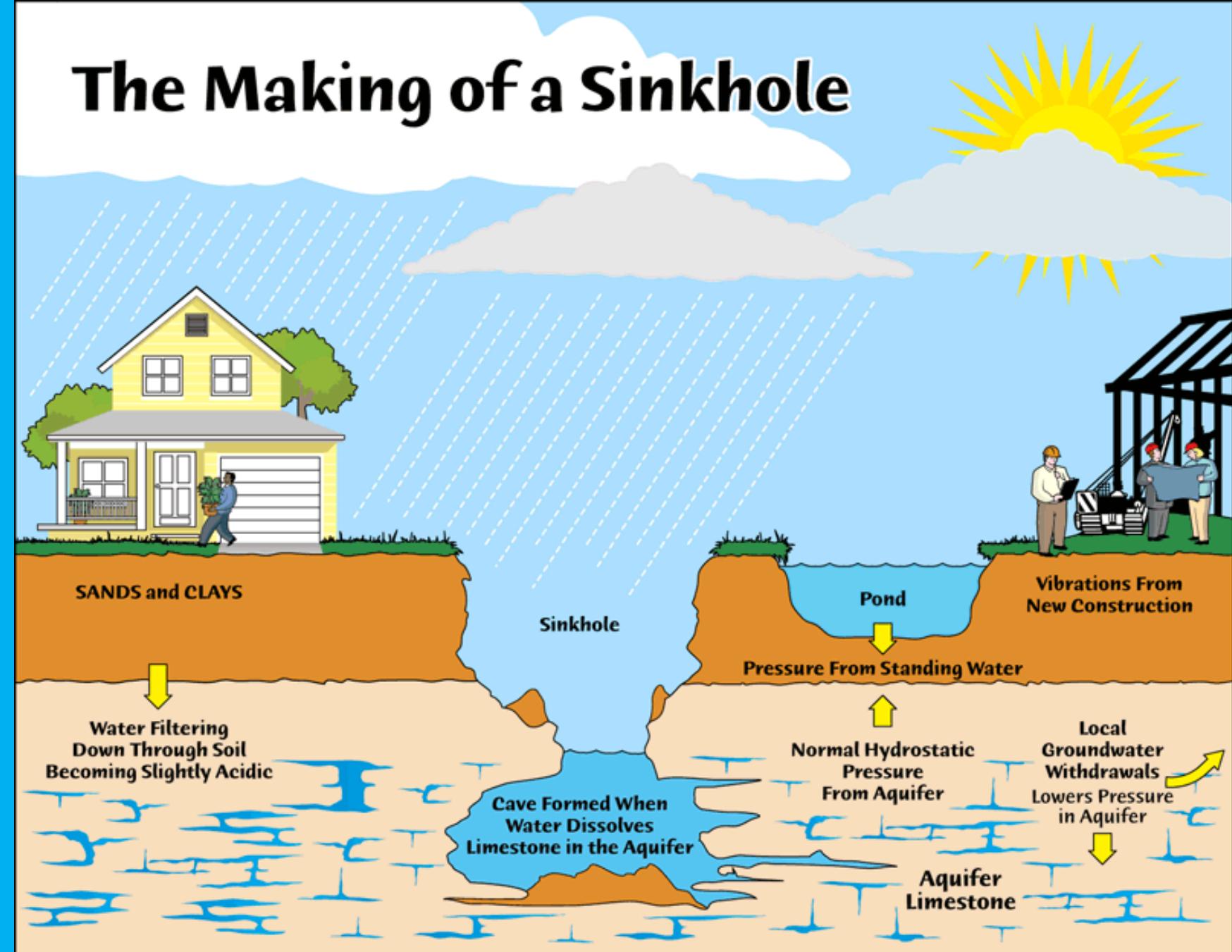
Statewide 2070 Trend



Source: 1000 Friends of Florida

If no conservation measures are taken, a new study estimates the amount of water consumed by uses tied to development and agriculture will jump to **8.1 billion gallons a day**.

Statewide



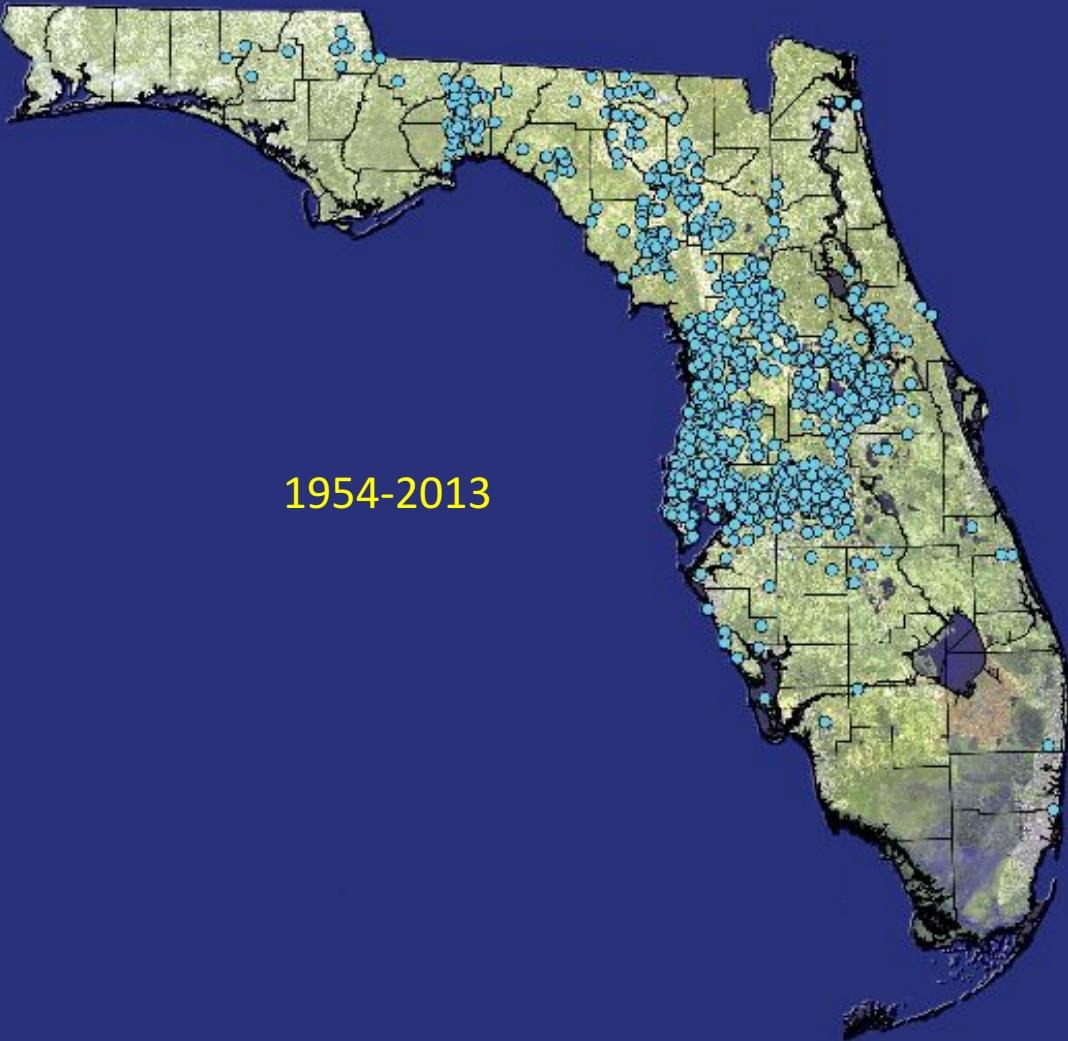
# Statewide

## Florida's "Sink Hole Alley"



# Florida's Sinkholes

**Sinkhole:** A circular depression in a karst area. Its drainage is subterranean, its size is measured in meters or tens of meters, and it is commonly funnel-shaped. Syn: doline; sink.  
(From Dates and Jackson, *Dictionary of Geological Terms*.)



# Statewide

Red Tide in SW Florida



# Statewide



# GOOD NEWS?

PALM BACH POST 3.8.17

The Senate Environmental Preservation and Conservation Committee unanimously passed landmark legislation Tuesday that would permanently prohibit fracking in Florida.

Senate bill 442, which passed by a vote of 5 to 0, already has bipartisan support from 15 Senate co-sponsors. The bill would ban unconventional “well stimulation” techniques including acid fracking and matrix acidizing.



**THE EVERGLADES GOT FRACKED**  
*and no-one heard anything about it*

# National

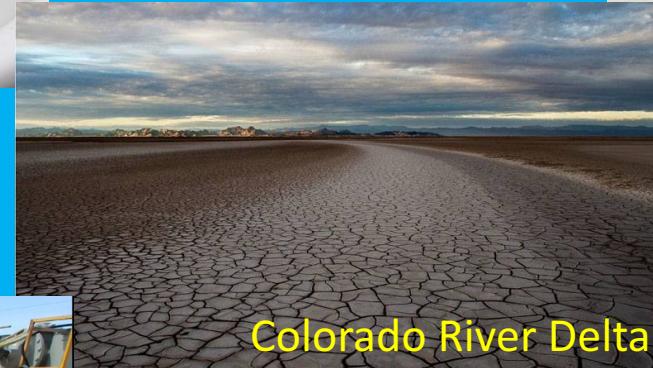
(to name a few)



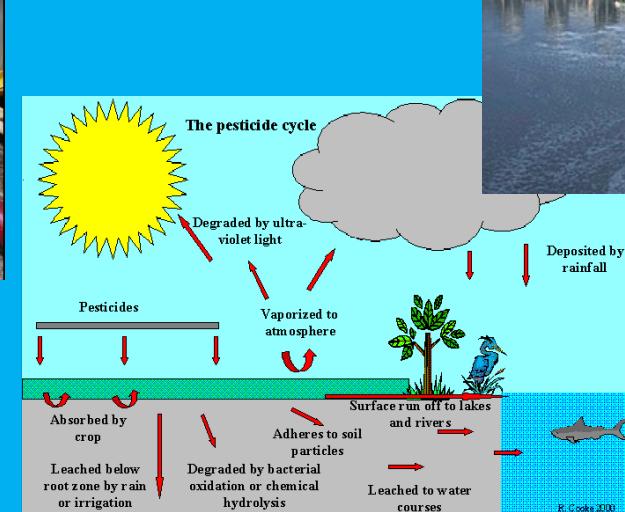
Mercury, Acid Rain, PCBs, BPAs, etc.



Drinking water  
(antiquated systems)



AK



Pesticides

# THIRTY-EIGHT HOUSE RESOLUTIONS AND EIGHT EXECUTIVE ORDERS

- Decrease regulations on air and water protections
- Remove EPA
- Remove restraints from development of fossil fuels
- Disapprove the Endangered Species Act

# WHAT CAN YOU DO?

HOW TO FIND YOUR REPRESENTATIVE

NAMES, ADDRESSES, PHONE, EMAIL

<http://www.whoismyrepresentative.com/>

HOW HAVE MY REPRESENTATIVES VOTED THIS WEEK?

EVERY BILL ON THE HOUSE FLOOR

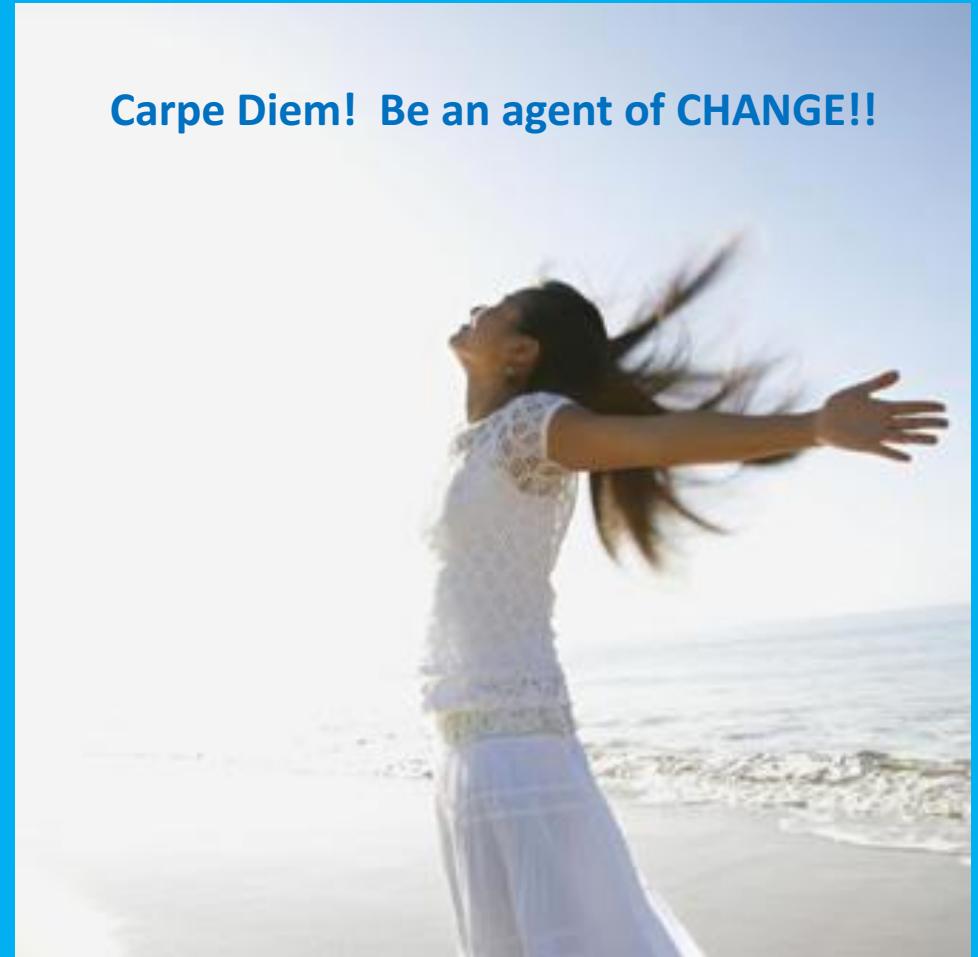
STATE AND FEDERAL

<http://www.congress.org/congressorg/megavote/>

# WHAT ELSE CAN YOU DO?

**JOIN** A LOCAL  
ORGANIZATION that  
focuses on YOUR  
INTERESTS!!!

Carpe Diem! Be an agent of CHANGE!!



<http://www.myeverydayfreedom.com/wp-content/uploads/2013/05/Woman-in-the-Wind.jpg>

We all need your help. Whatever your passion there is a group for you!