



ST. JOHNS  
RIVERKEEPER®

**Resilience for Our River**

# MISSION

To defend the St. Johns River  
and advocate for  
its protection.



WATERKEEPER® ALLIANCE





- **Watershed = 8,840 square miles**
- **Flows North**
- **310 miles long**
- **Drops approx. 27 feet or 1 inch per mile**
- **River Bottom below Sea Level – 200 Miles Inland**





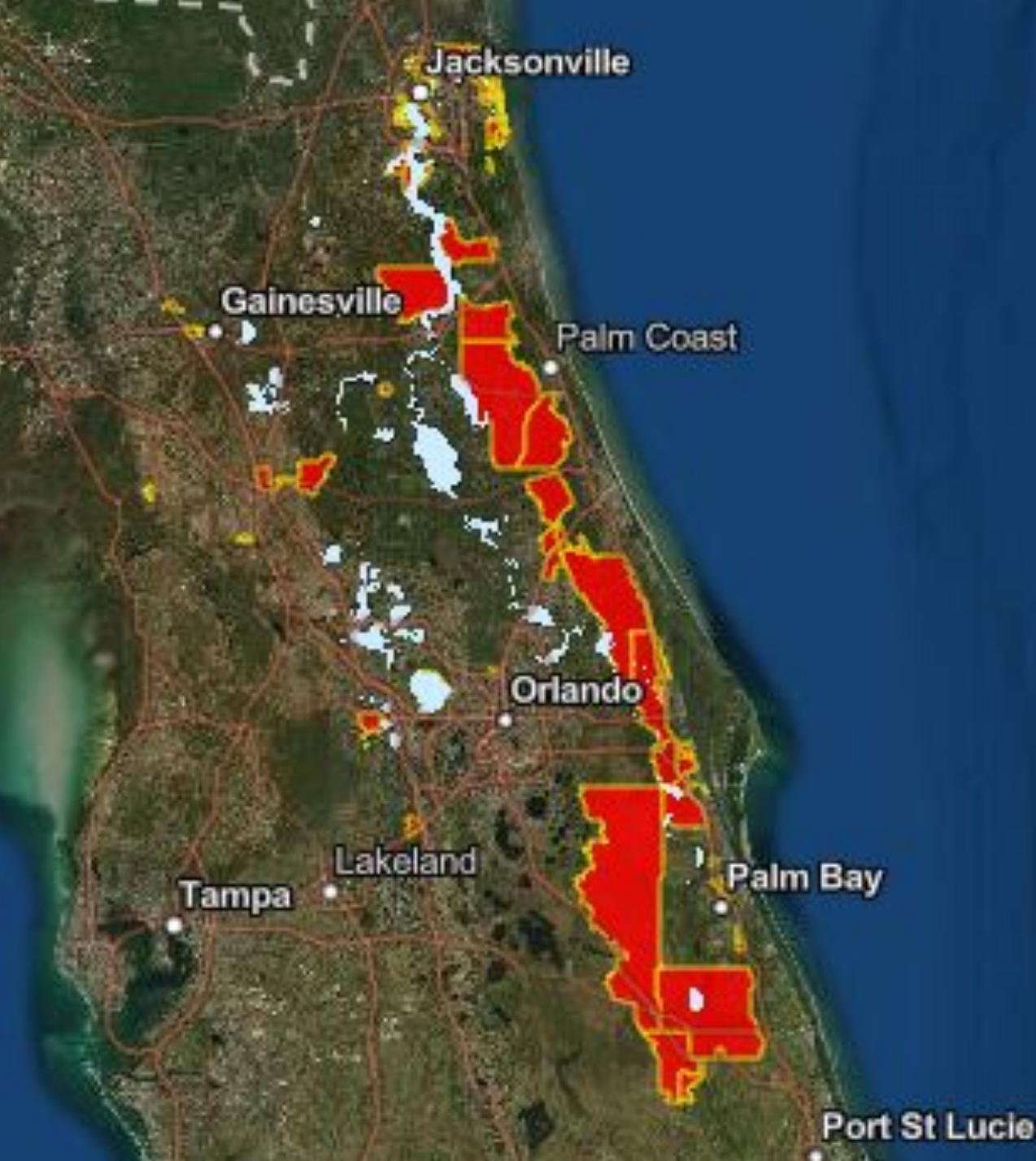
FLOODING ON BLACK CREEK AFTER HURRICANE IRMA





- **Urban Fertilizers**
- **Sanitary Sewer Overflows**
- **Failing Septic Tanks**
- **Animal Waste**





## 2050 Flood Projections Highest Vulnerability

- 102 census tracts = high risk for flooding using 2050 flood projections
- 13% of the census tracts in the watershed
- Increasing the flood risk from the 2020 projections by 50%



**Total Microcystin: 2473 micrograms per liter**

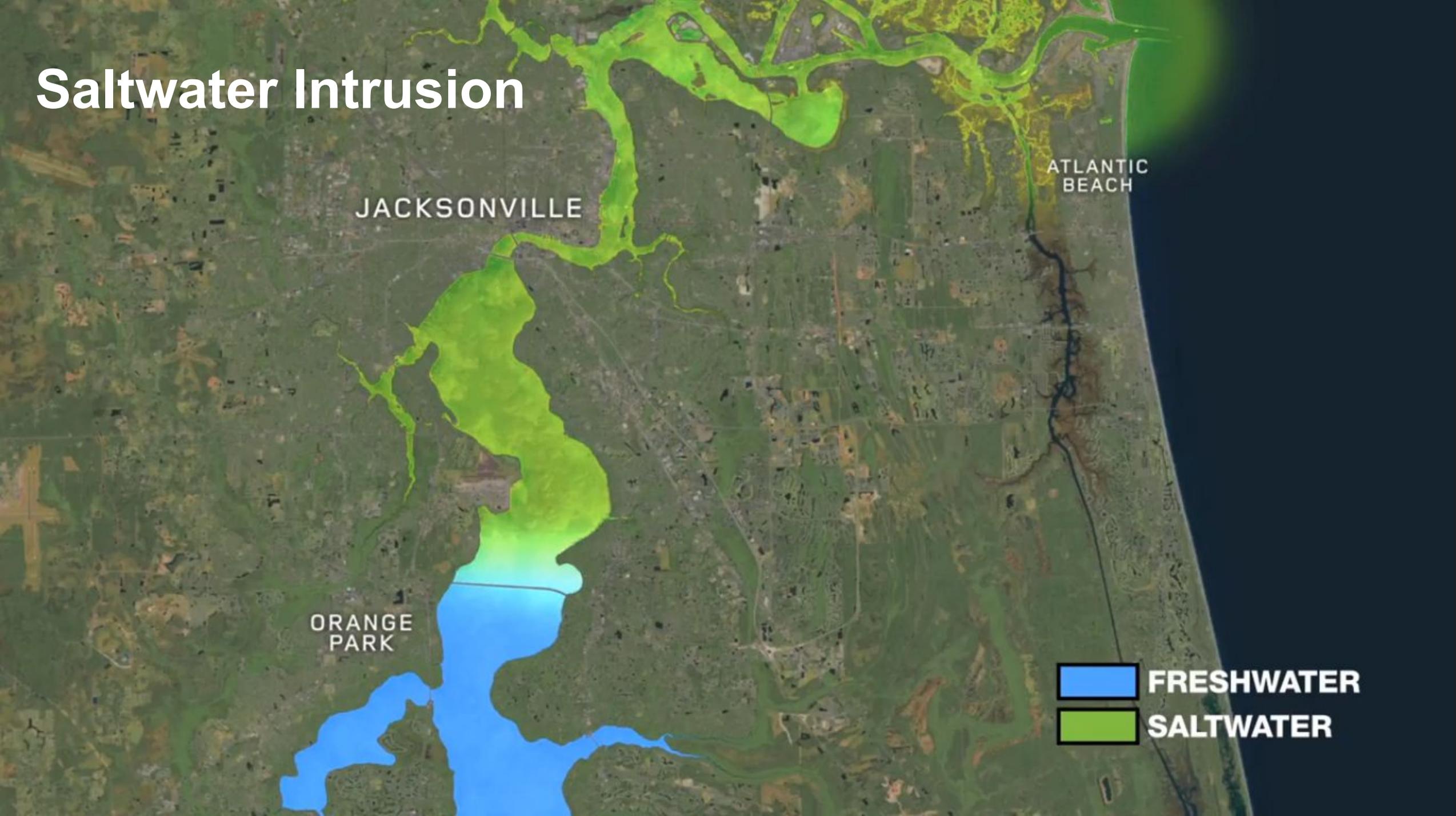
**EPA Safe Recreation Criteria = 8 ug/L**

# Saltwater Intrusion

JACKSONVILLE

ATLANTIC BEACH

ORANGE PARK



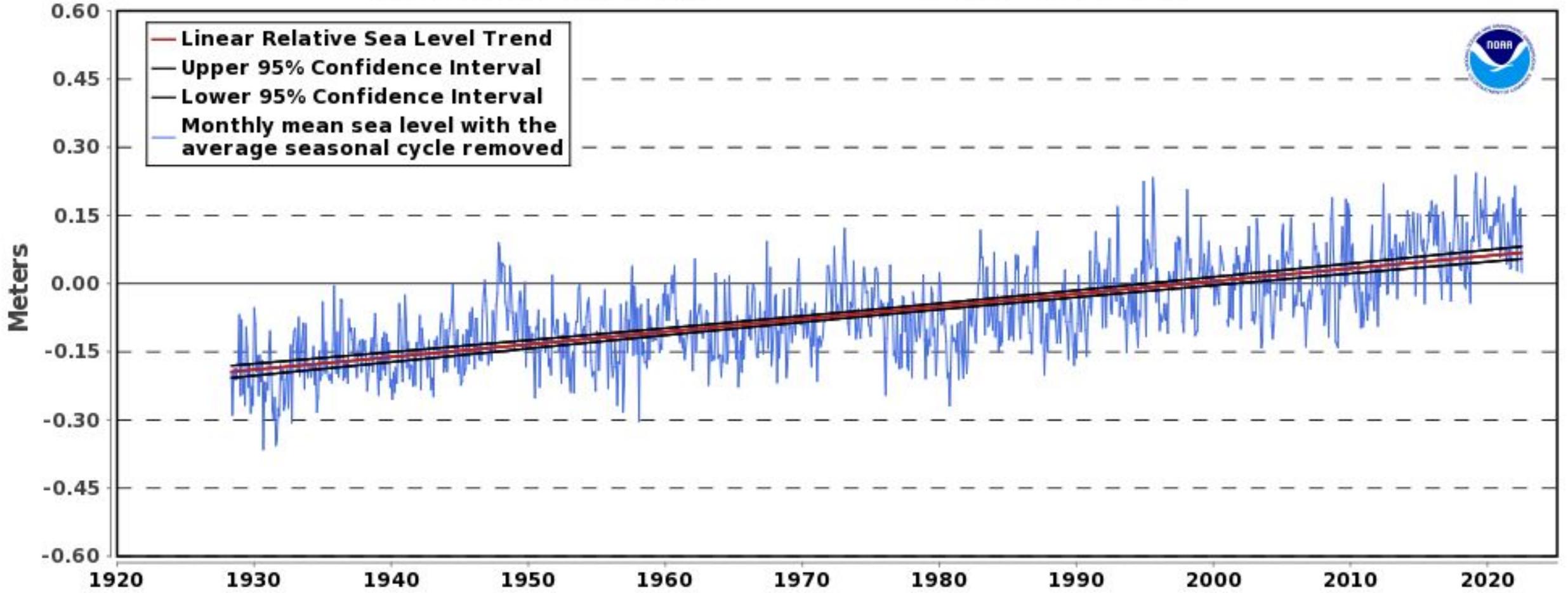
**100 SPRINGS  
PROVIDE APPROX.  
30% OF THE  
RIVER'S FLOW**



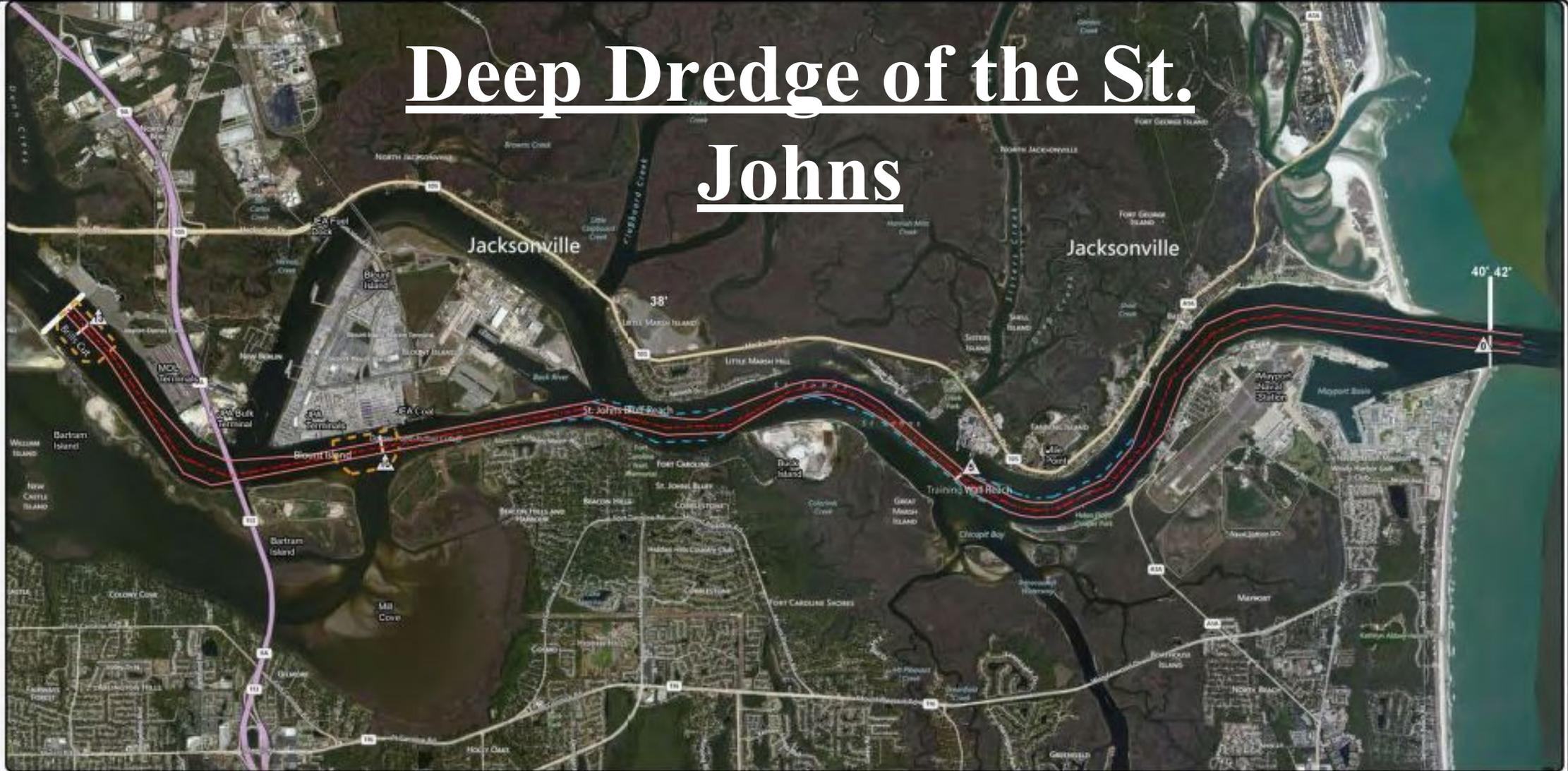
# Relative Sea Level Trend 8720218 Mayport, Florida

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2.78 +/- 0.25 mm/yr



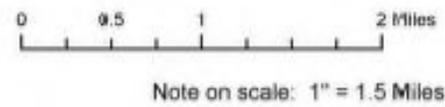
# Deep Dredge of the St. Johns



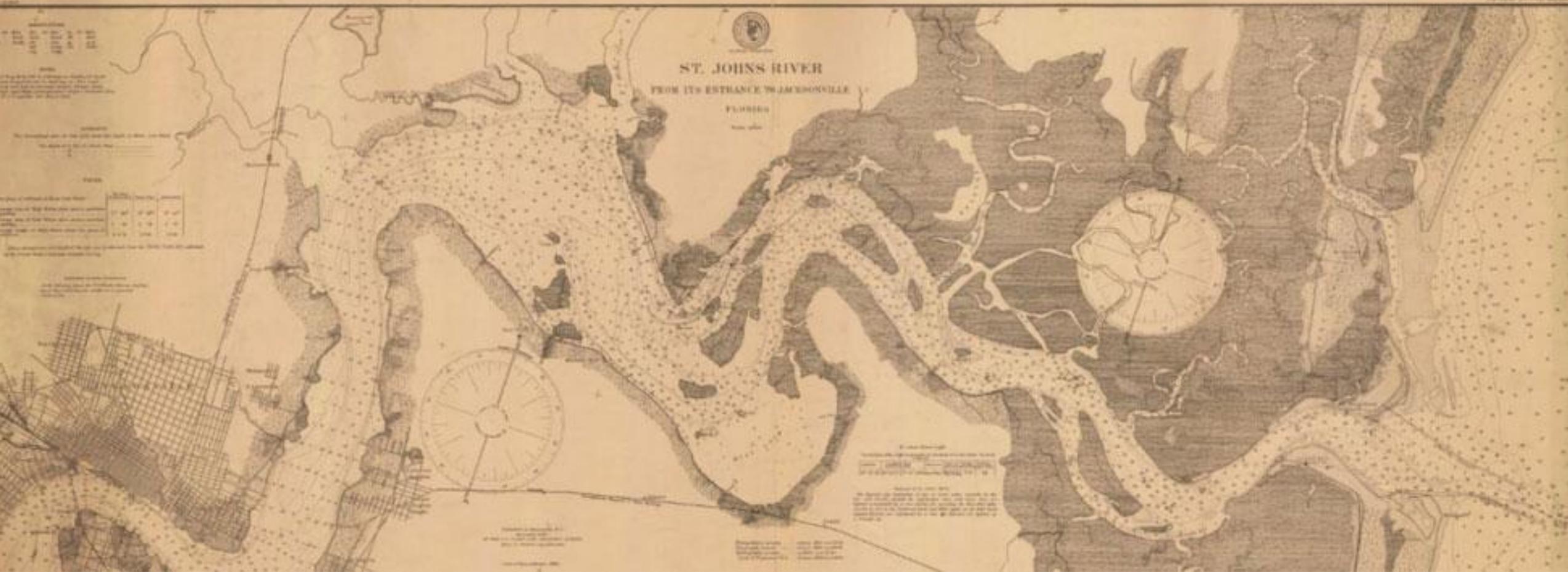
Jacksonville Harbor, Duval County, Florida  
Existing Federal Project



US Army Corps  
of Engineers®  
Jacksonville District



- Widening Alternatives
- Centerline
- Existing
- Turning Basins



®

The river will **increase by 6 – 8 inches in parts of Jacksonville and by up to 12%** during smaller, “high frequency” storms.

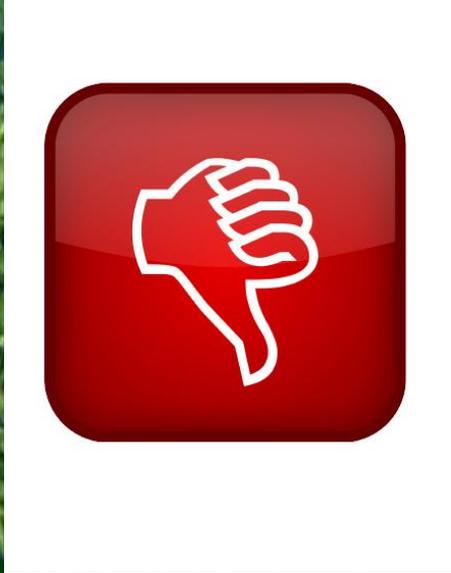
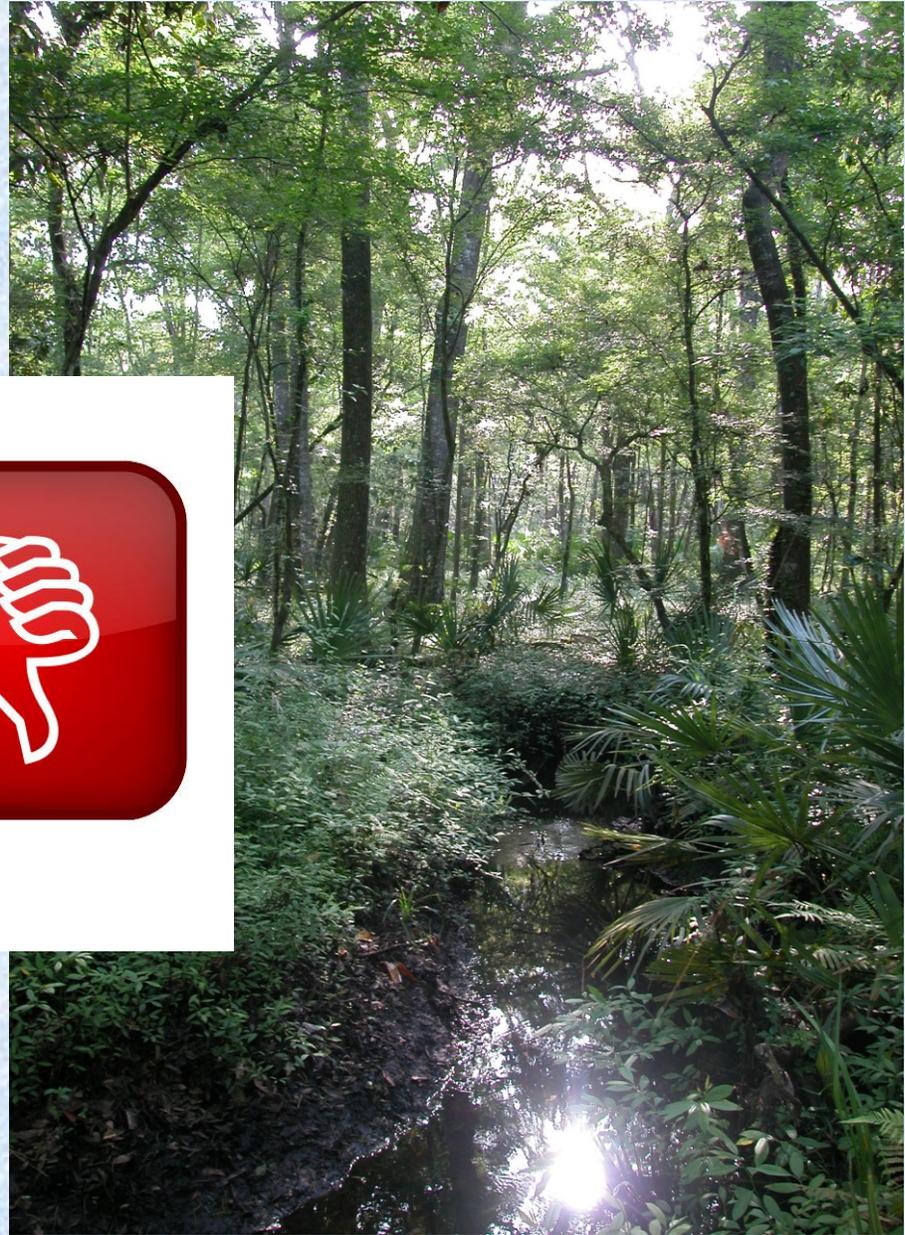


Photo courtesy of SJRWMD

# Loss of Habitat



# Loss of Biofiltration



# Loss of Flood Protection



# Resilient Jacksonville

HAVE YOUR SAY. CLICK HERE TO COMPLETE THE SURVEY!



**ACUTE SHOCKS**



**CHRONIC STRESSES**



# Green Infrastructure

Porous pavement  
in parking lanes

Catch basin  
receives overflows

Flow-through or  
infiltration planters  
at corners

Street trees for shading and  
stormwater interception

LIDA swales, flow-through  
planters or infiltration planters

Pedestrian crossing  
over swale



# Advocating For A Clean Energy Future

Let's end Jacksonville's dependence on highly-polluting fossil fuels by committing to a clean renewable energy future. It will help stem climate change, vitalize the economy, and protect natural assets. Opportunities abound, so let's act.

Send a message to Jacksonville's leaders!

[Take Action](#)

Photo by Mark Krancer

# - Sewage Sludge

~~70,000+~~ 50,000 tons permitted for land application disposal in the Upper Basin of the St. Johns River.





Conserve Water



**OCKLAWAHA**



**SILVER SPRINGS**



**ST. JOHNS**

## Lower St. Johns River Estuary Recovery: Improve water quality, habitat and fisheries

- Restores more than 150 MGD freshwater flow to St. Johns River and Estuary
- Clearer, cooler water
- Support restoration of decimated eelgrass communities and healthy seagrass communities
- Improve water quality and help prevent blue-green algae and other harmful algal blooms
- Support more productive commercial and recreational fisheries



# RESILIENT RIBAULT

A LISC Jacksonville and St. Johns RIVERKEEPER initiative to provide equitable access to local waterways, identify and advocate for needed infrastructure projects, and address social and environmental vulnerabilities.

**LISC JACKSONVILLE**



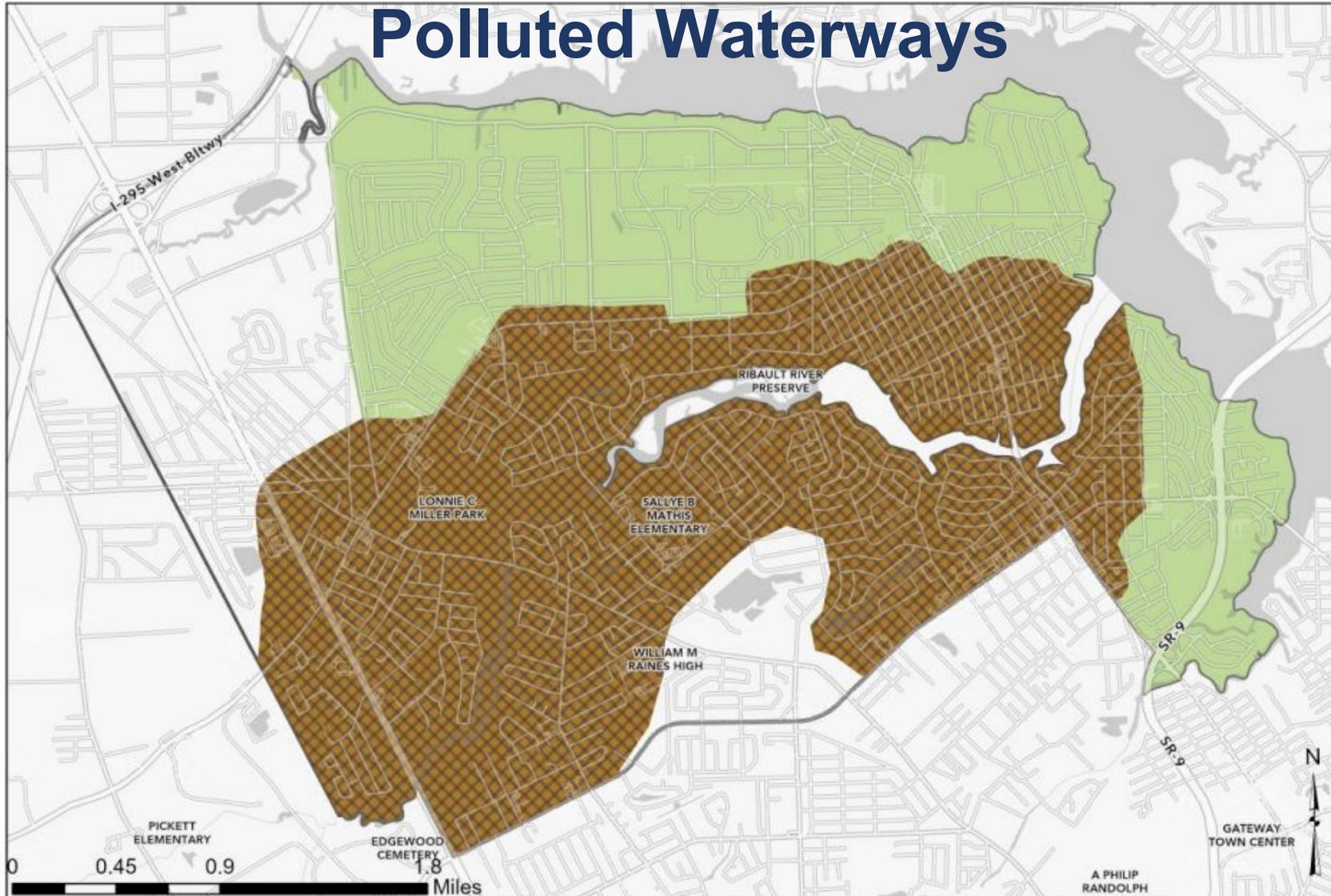
**ST. JOHNS  
RIVERKEEPER®**



**Collaborating with residents  
and community partners to:**

- **Enhance river access**
- **Improve water quality**
- **Address flooding problems**
- **Ensure housing security**
- **Preserve and celebrate cultural heritage**
- **Advocate for infrastructure improvements**

# Polluted Waterways



Waters Not Attaining Standards (2022)

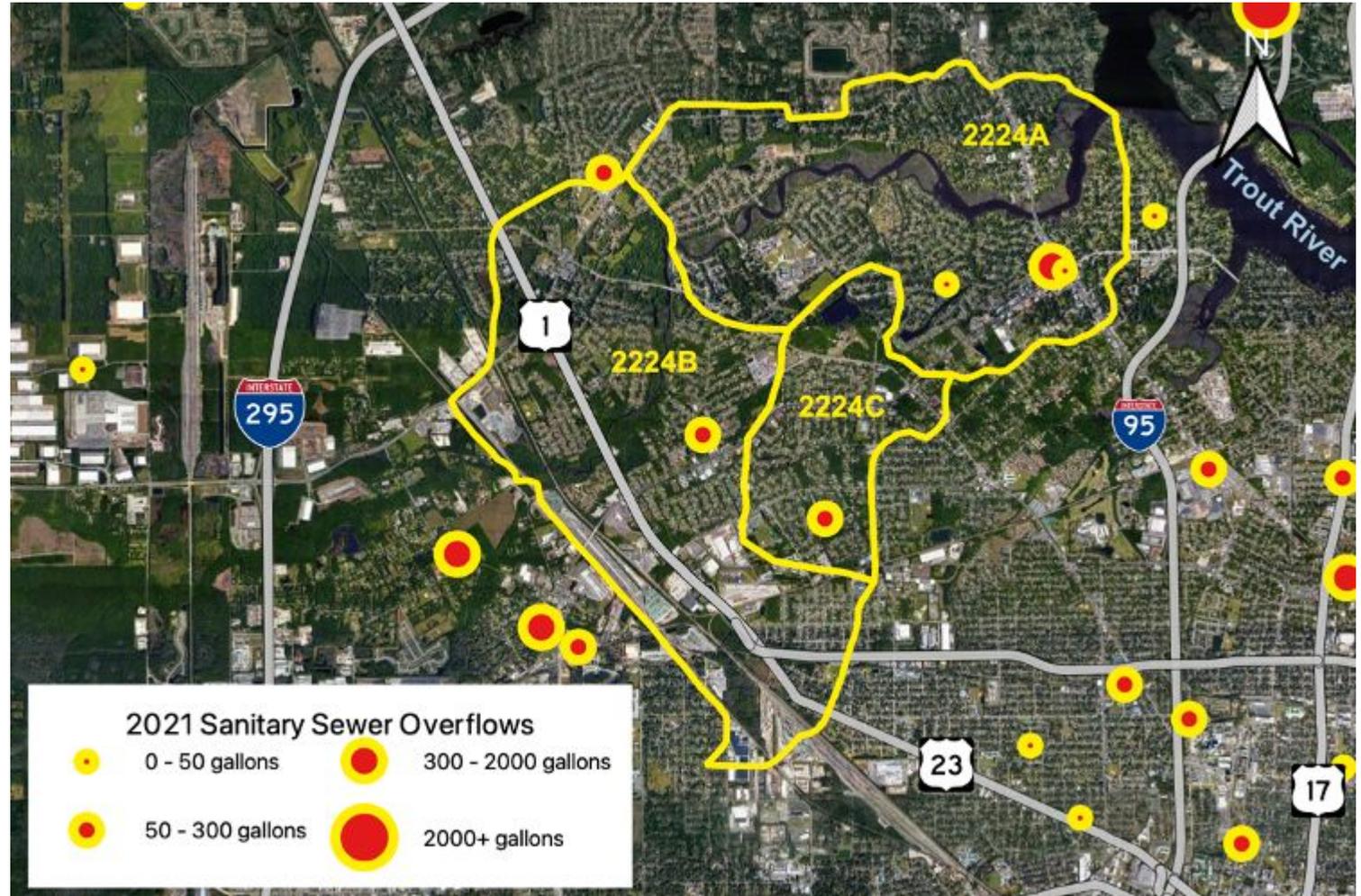
-  MERCURY (IN FISH TISSUE)
-  METALS
-  NUTRIENTS

Area waterways also impaired for fecal coliform bacteria, including Moncrief Creek



# Improve Water Quality

- Evaluate water quality data and restoration plans.
- Work with JU and UNF to conduct additional water quality testing.
- Identify sources of bacteria and other pollutants.
- Advocate for solutions to improve water quality, including funding for septic tank remediation.
- Install living shorelines and protect and restore wetlands.





**REPORT  
FLOODING**

- Engage residents
- Identify flood prone areas
- Advocate for infrastructure improvements
- Implement green infrastructure projects

**See Flooding? Let Us Know.**

**ReportFlooding.com**



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JACKSONVILLE

# RESILIENT RIBAULT



# TAKE THE RIVER FRIENDLY PLEDGE

By being aware of my actions, making thoughtful decisions, and remaining informed and engaged, I pledge to reduce my impact upon the river and do my part to aid in its protection and restoration.



Take the Pledge!



- Boating
- Cleaning Products
- Energy Conservation
- Fertilizing
- Landscaping
- Low Impact Development / Green Infrastructure
- Pesticides
- Rain Barrels
- Water Conservation



# THANK YOU!

[stjohnsriverkeeper.org](http://stjohnsriverkeeper.org)  
[explorethestjohns.com](http://explorethestjohns.com)



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