

# **Manatee Wayback Machine**

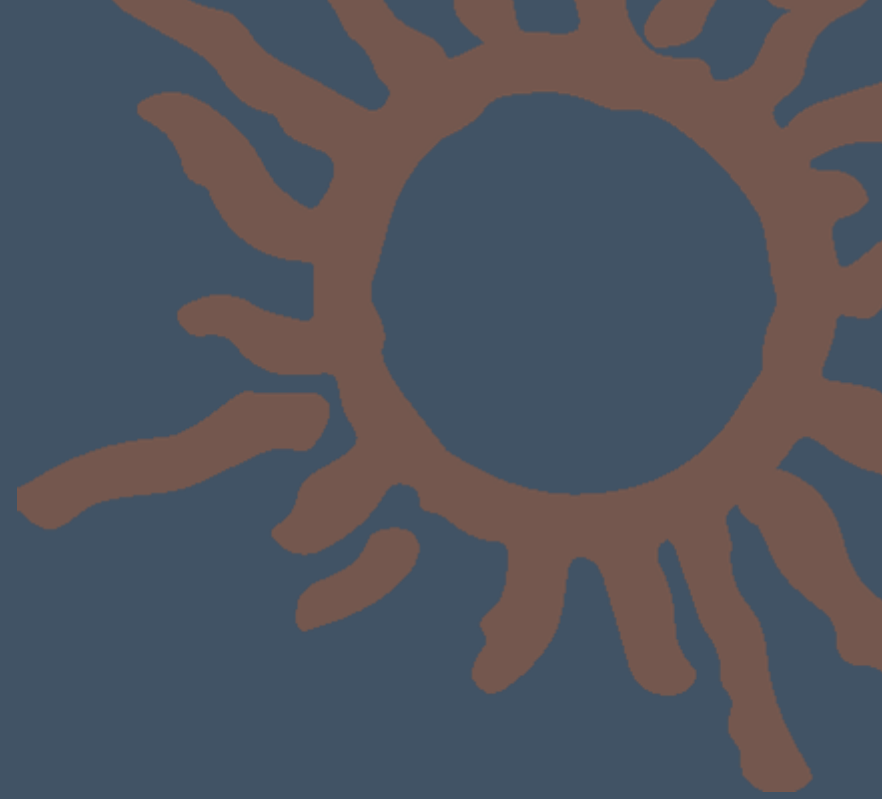
## **Historical Water Quality Trends**

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# Purpose

- **Revive old data to inform present-day discussions**
- **Explore the long-term changes of conductance in the Upper Manatee River**



# Methods

**Data Mining**



**Modeling & Interpolation**



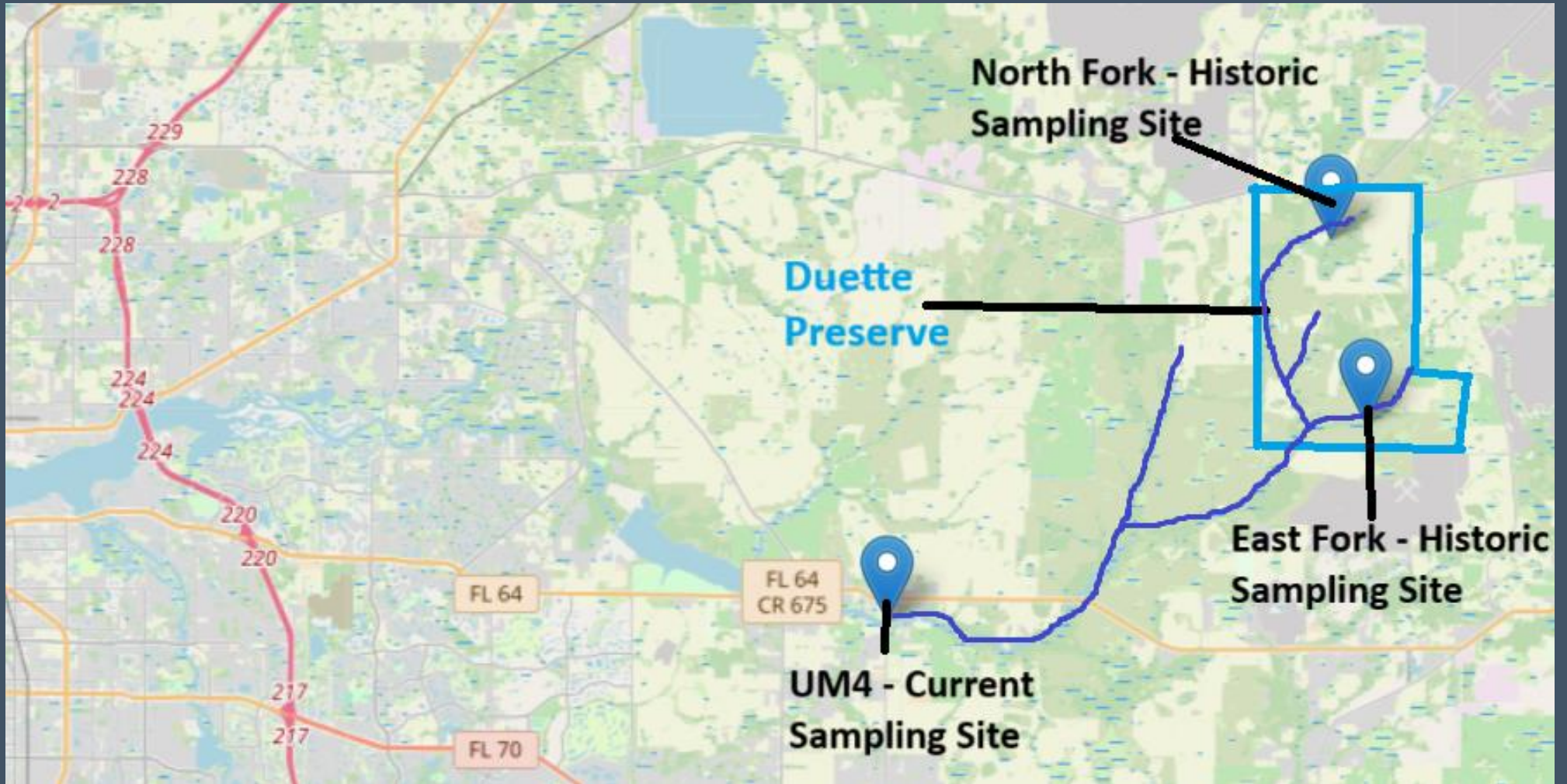
**Data Cleaning**



**Analyze Results**



# Upper Manatee River

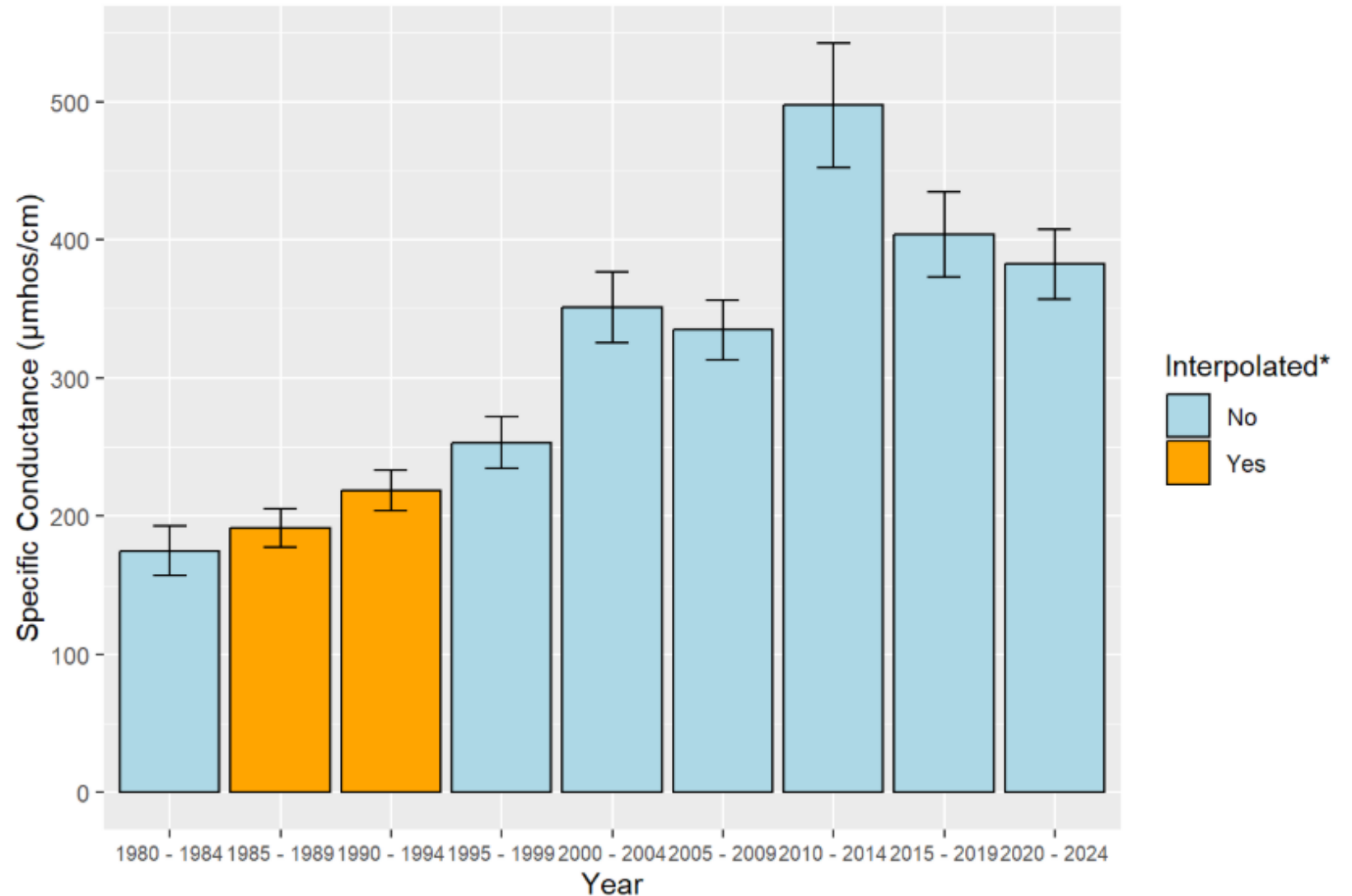


# Results

The total change from the first five years to the most recent five years is 207.6  $\mu\text{mhos/cm}$ , a **118%** increase.



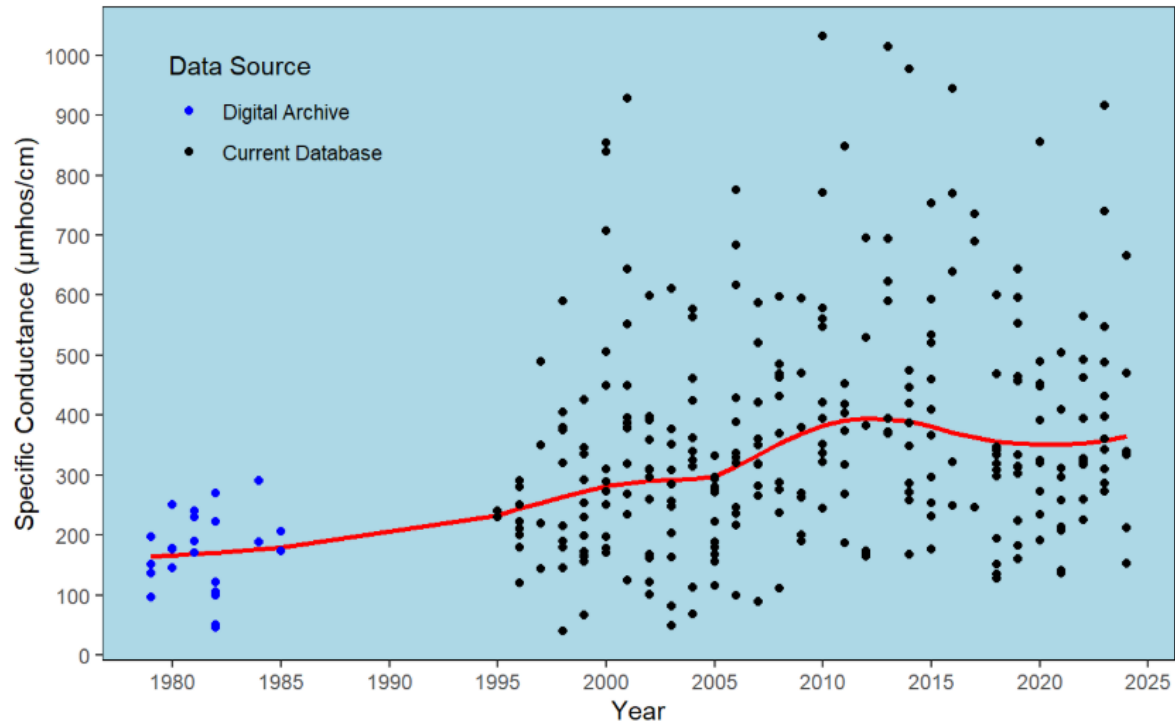
Five-Year Averages of Specific Conductance (1980–2025)





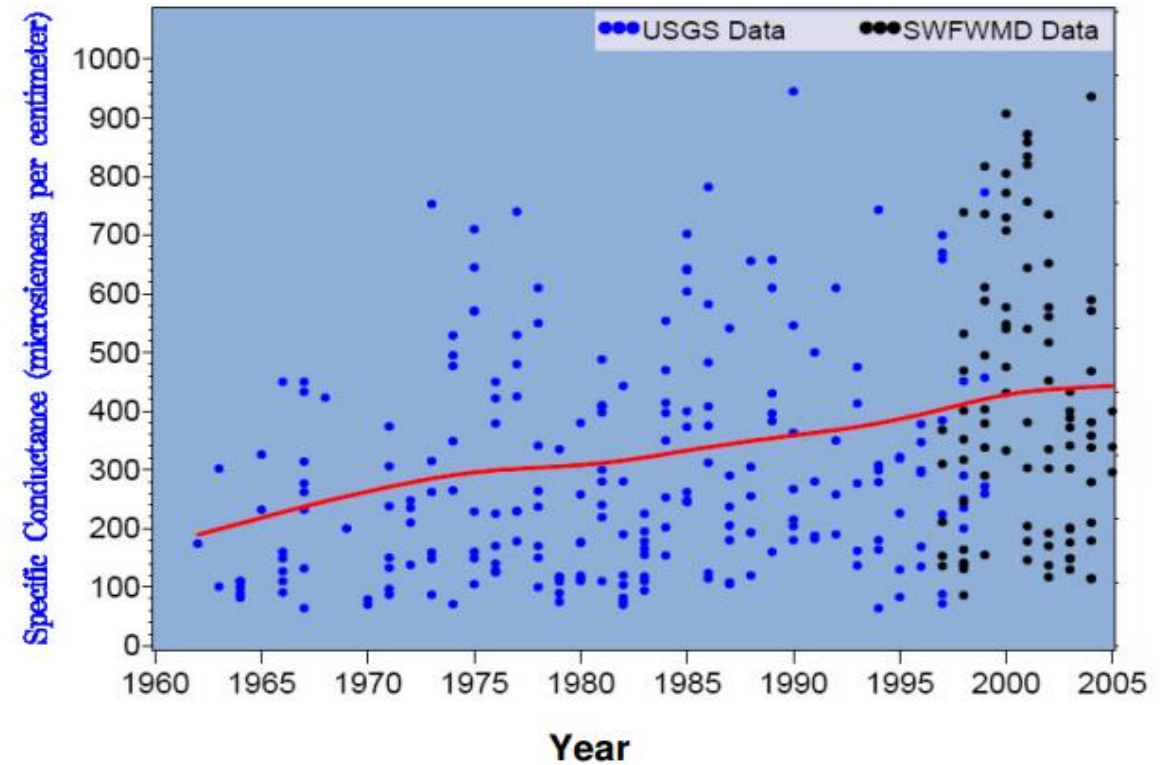
# Similar Results in Horse Creek, Hardee County

Specific Conductance at Upper Manatee River with LOESS Curve



Manatee River Results

Specific Conductance at Horse Creek



Horse Creek Results

# Questions

