

Manatee Wayback Machine

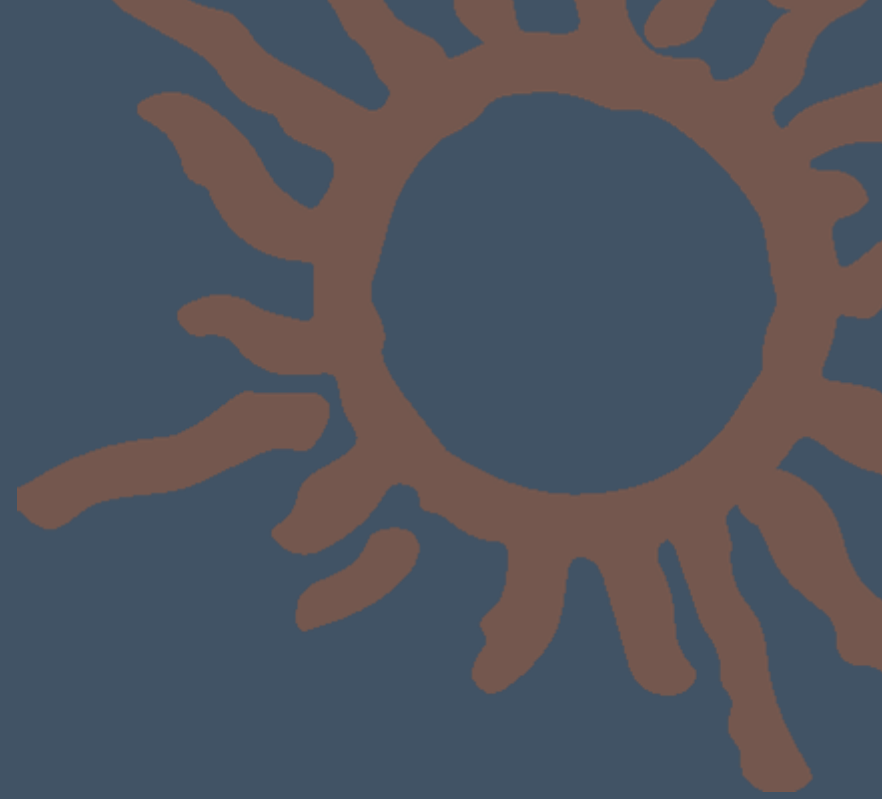
Historical Water Quality Trends

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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



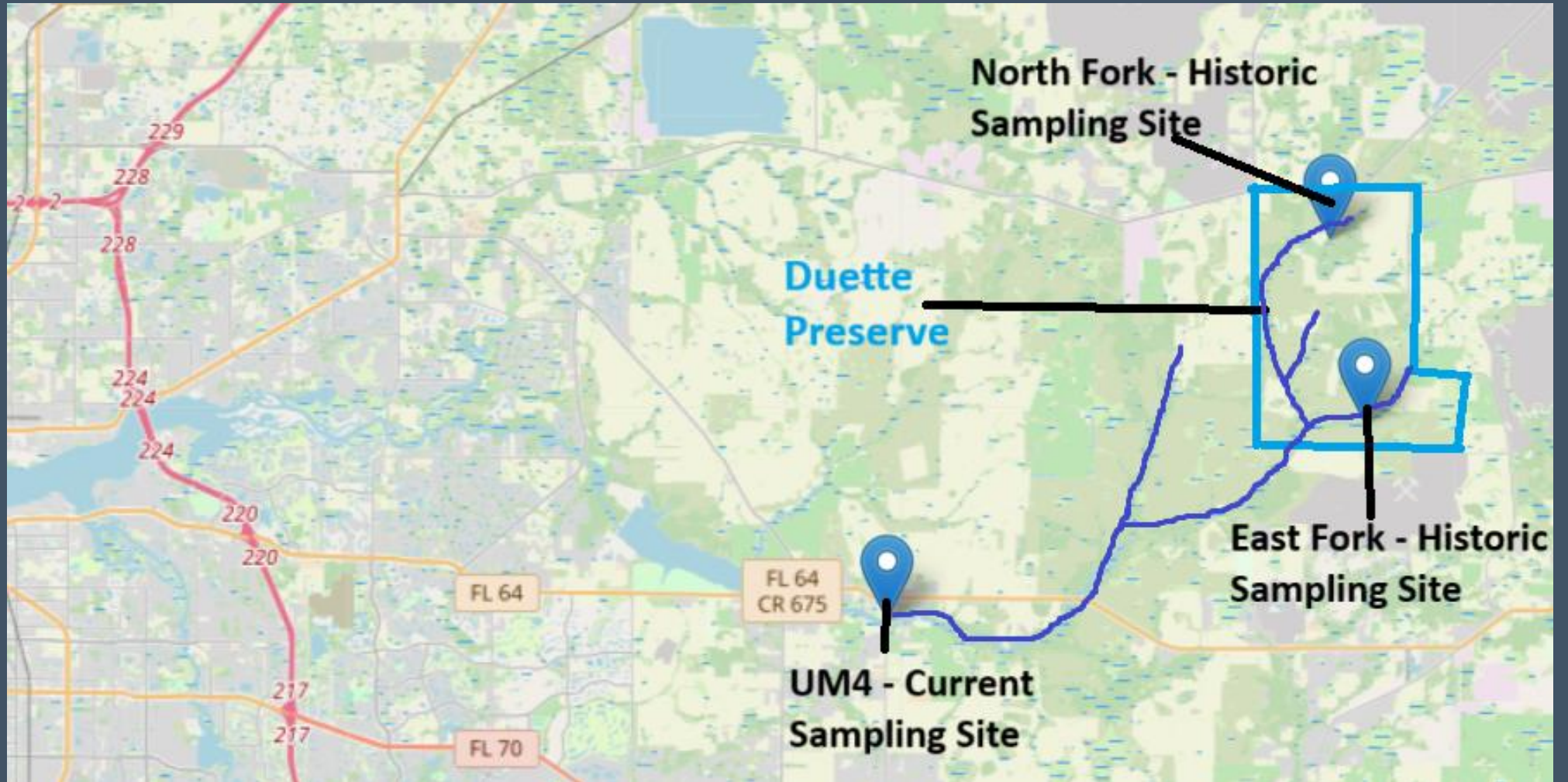
Data Cleaning



Analyze Results



Sampling Locations

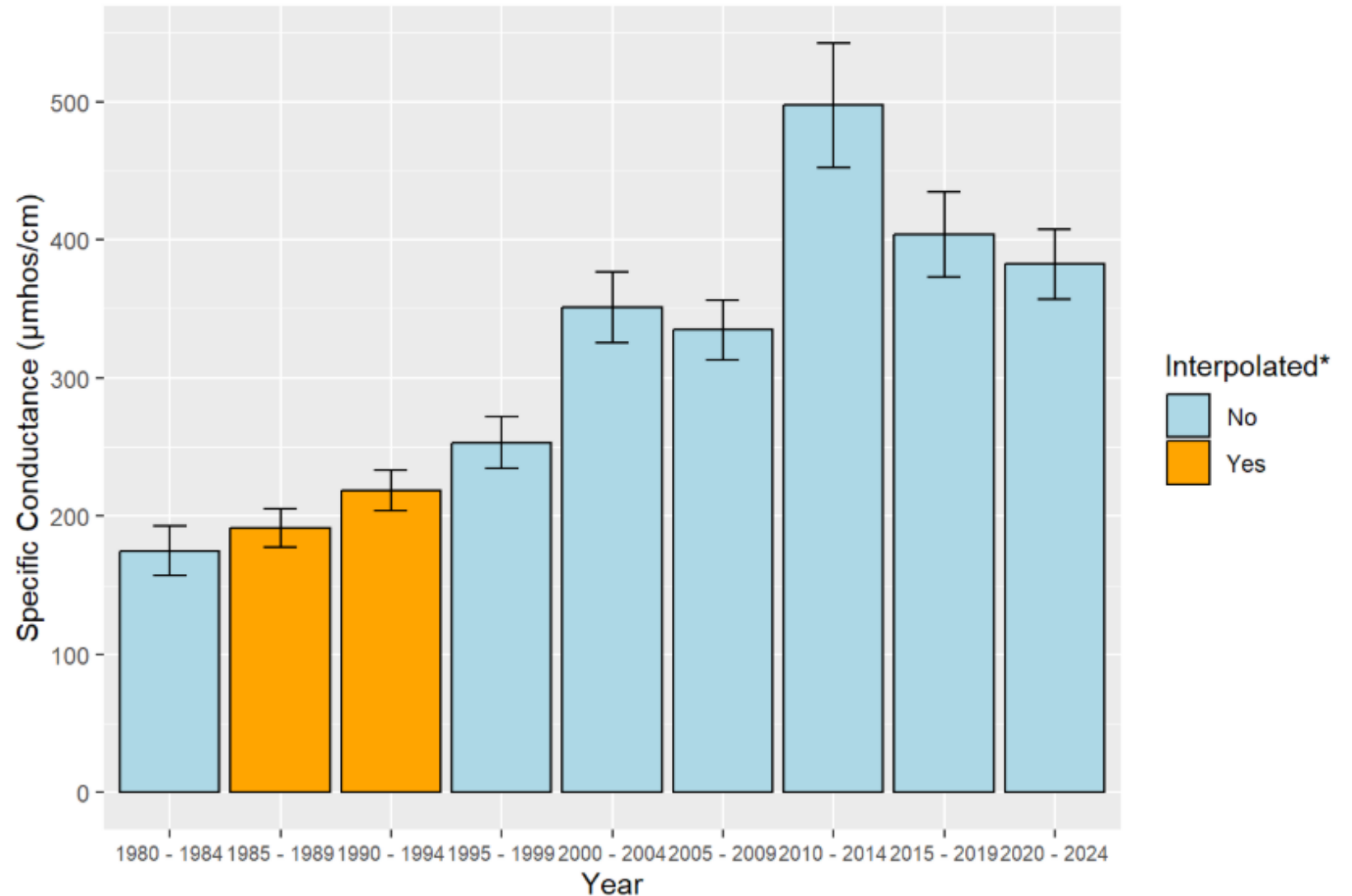


Results

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

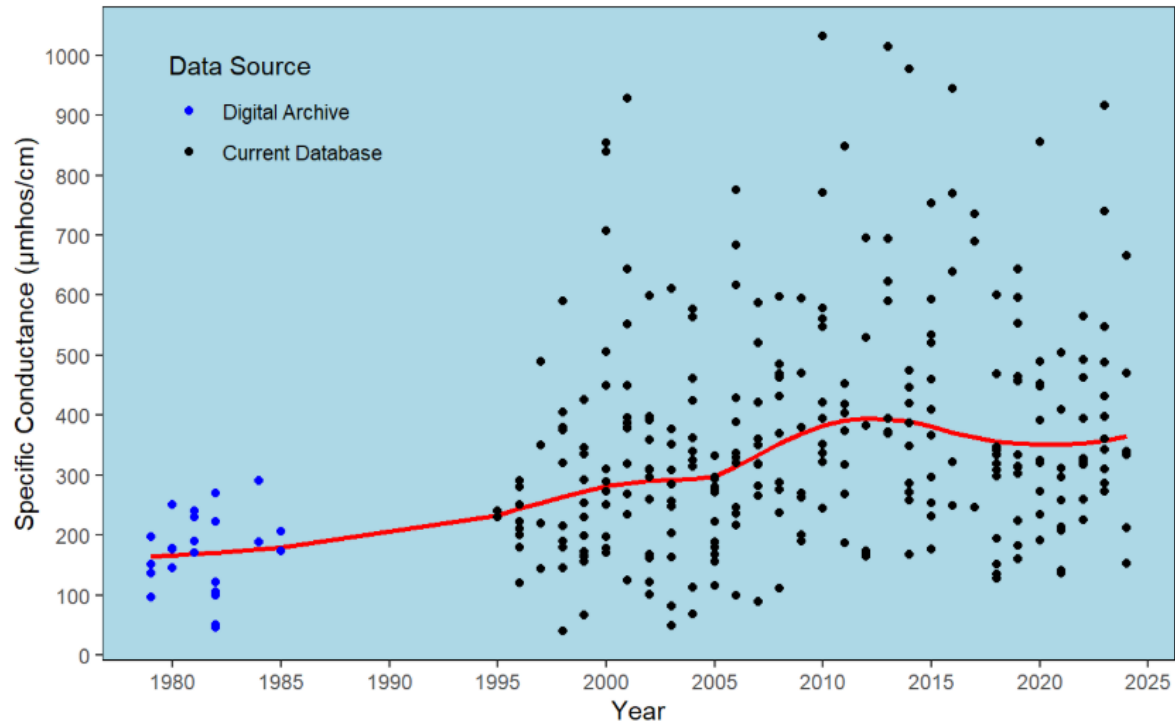


Five-Year Averages of Specific Conductance (1980–2025)



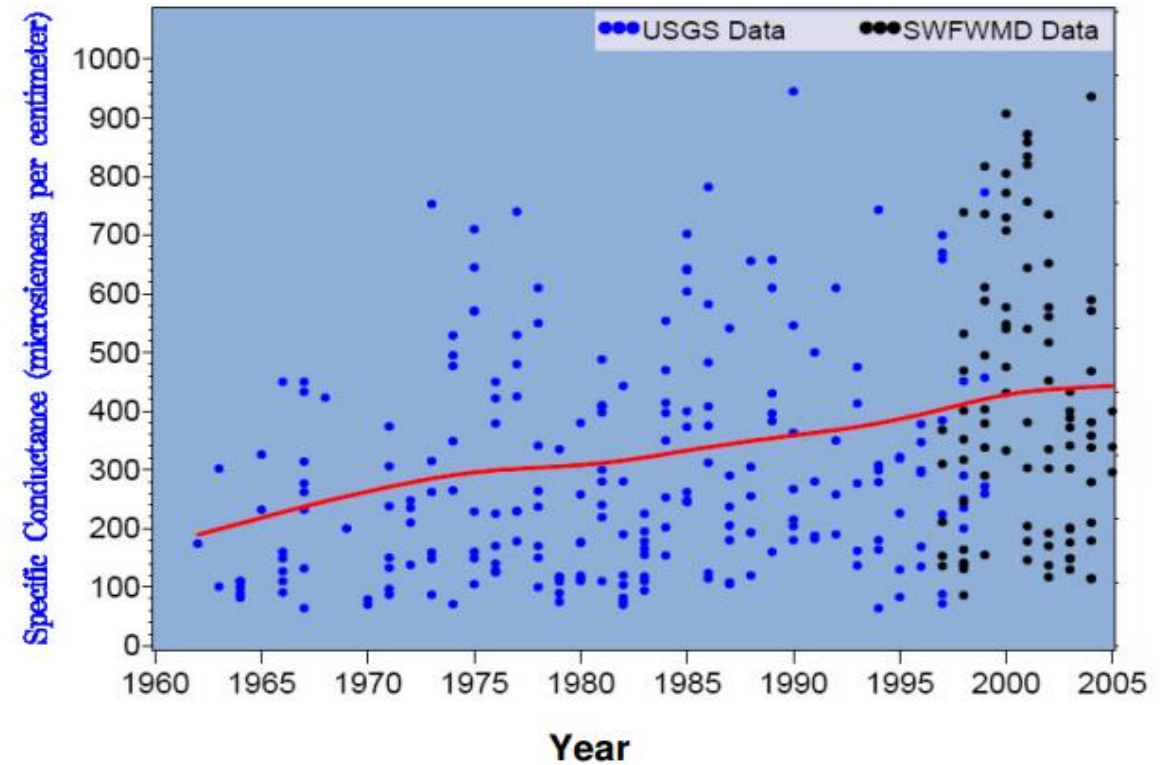
Similar Results in Horse Creek, Hardee County

Specific Conductance at Upper Manatee River with LOESS Curve



Manatee River Results

Specific Conductance at Horse Creek



Horse Creek Results

Questions

