Relationships between water temperature and estuarine inflow

Major findings:

- **Negative** temperature-inflow relationships
  - Higher inflow = *cooler* water
  - Most common

- **Positive** temperature-inflow relationships
  - Higher inflow = *warmer* water
  - Occurs during winter and downstream in the summer.

Take-away-point(s):

Understanding long-term patterns is important because...
1. Temperature drives ecosystem functions from subcellular to community scales
2. Many species including managed fishes are sensitive to temperature changes, a management need highlighted by the 2022-2026 Science Action Agenda Management Need 5

NOTE: This study looked at correlation, not causation, and did not evaluate the impact of dam releases on water temperature