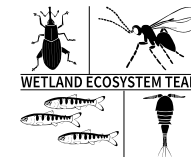
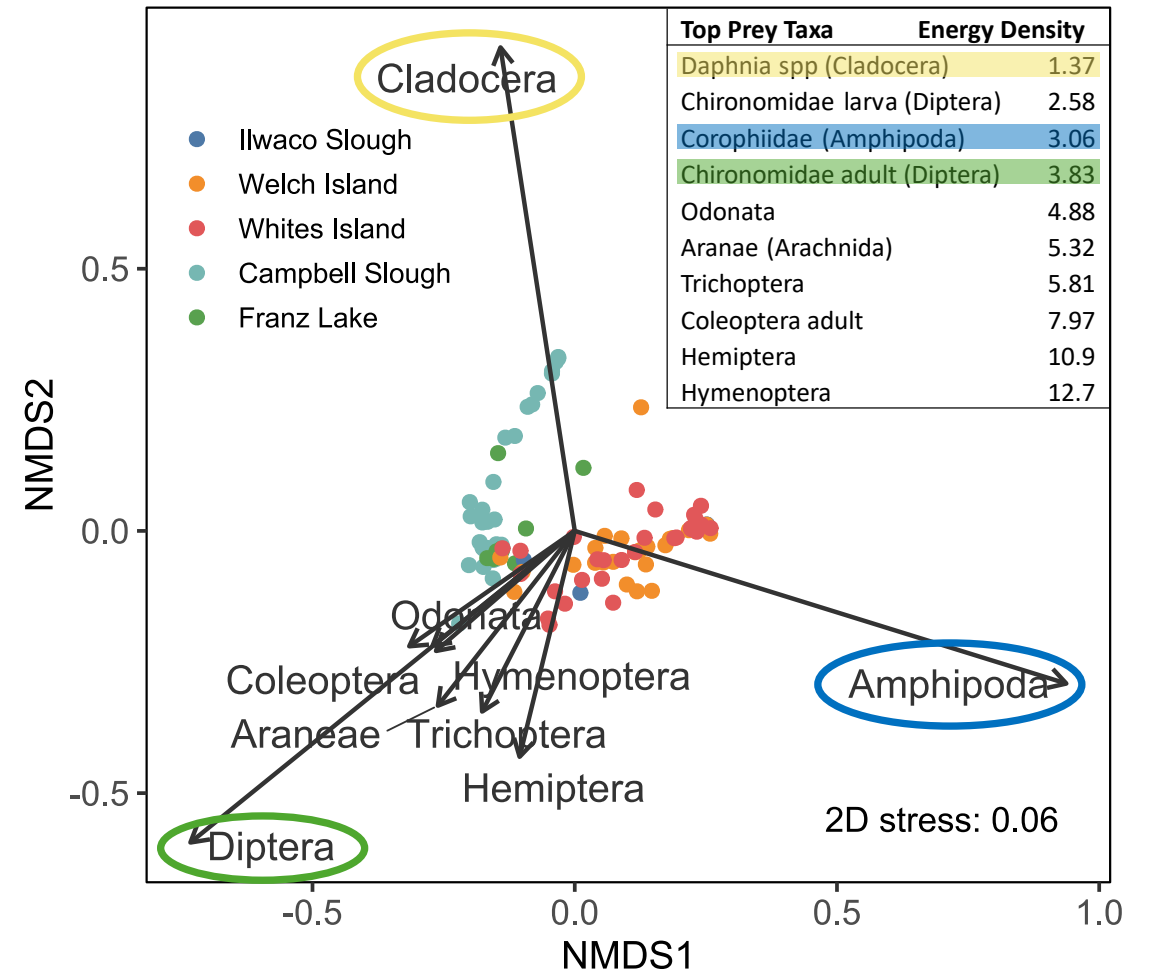


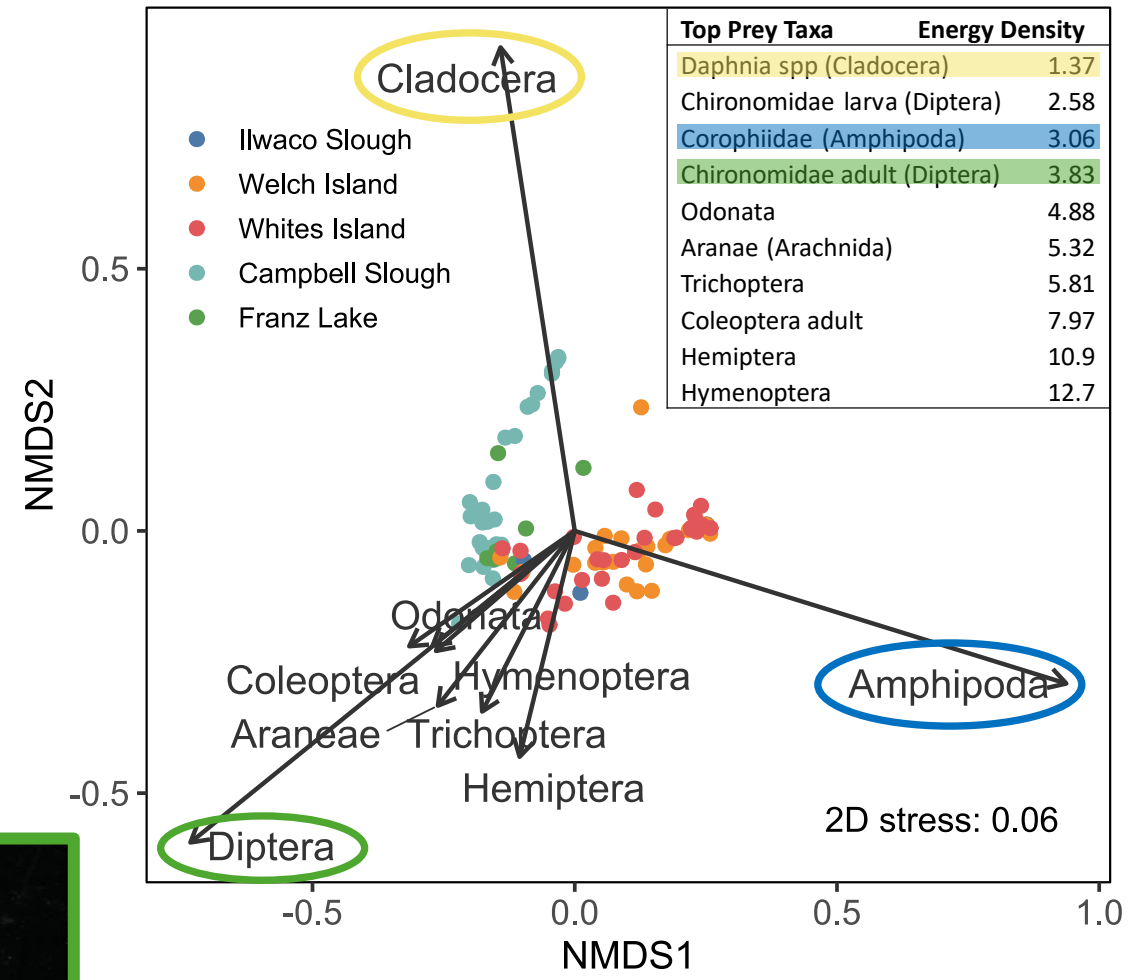
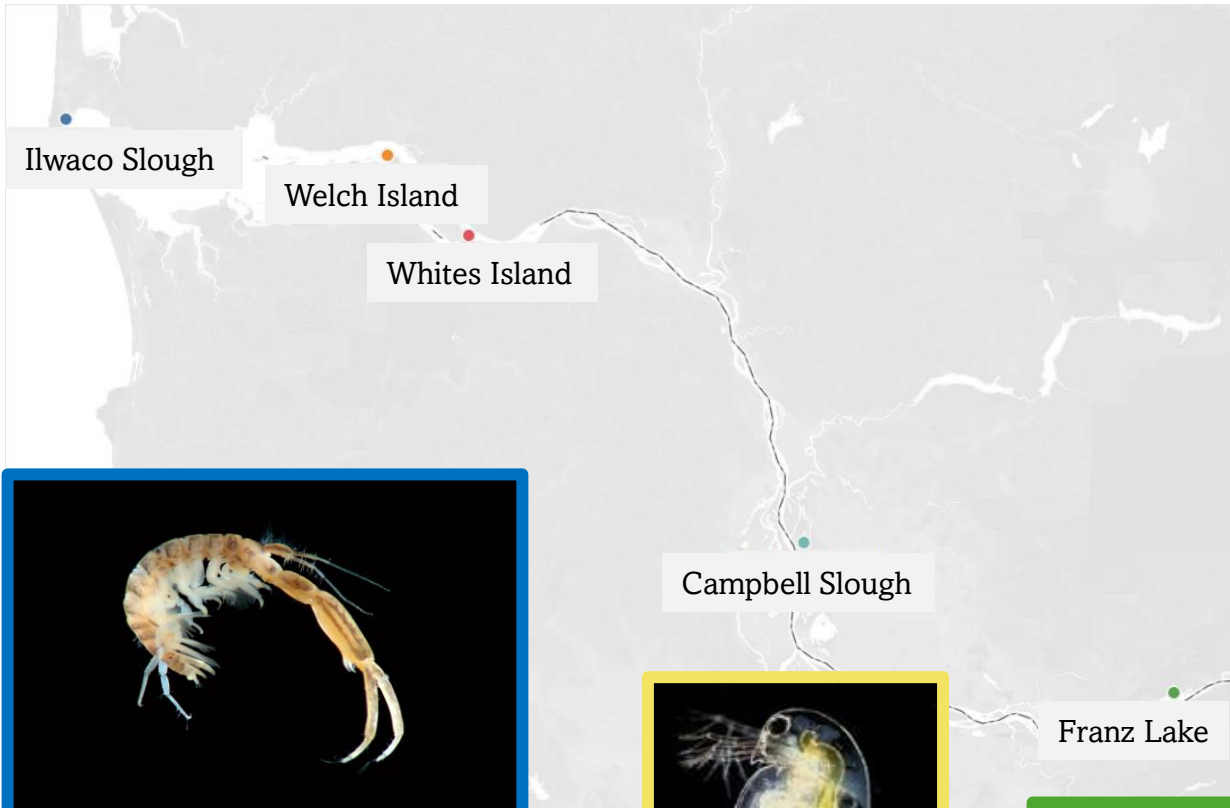


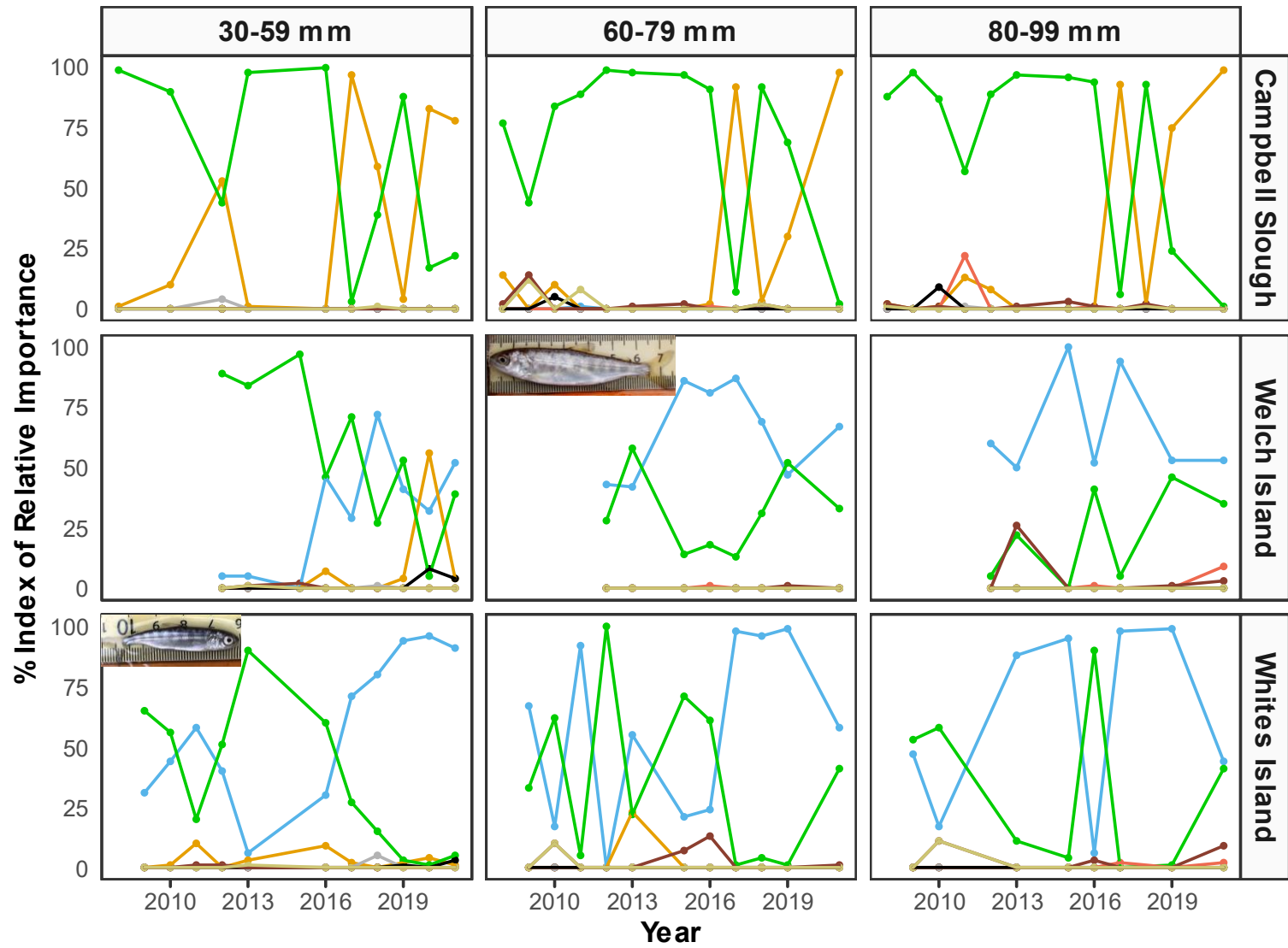
## Juvenile Chinook Salmon Diets in the Lower Columbia River and Estuary

Jason Toft and Kerry Accola  
University of Washington









Juvenile Chinook salmon not prey-limited

Highest Chinook abundances each May

### **Analysis Results**

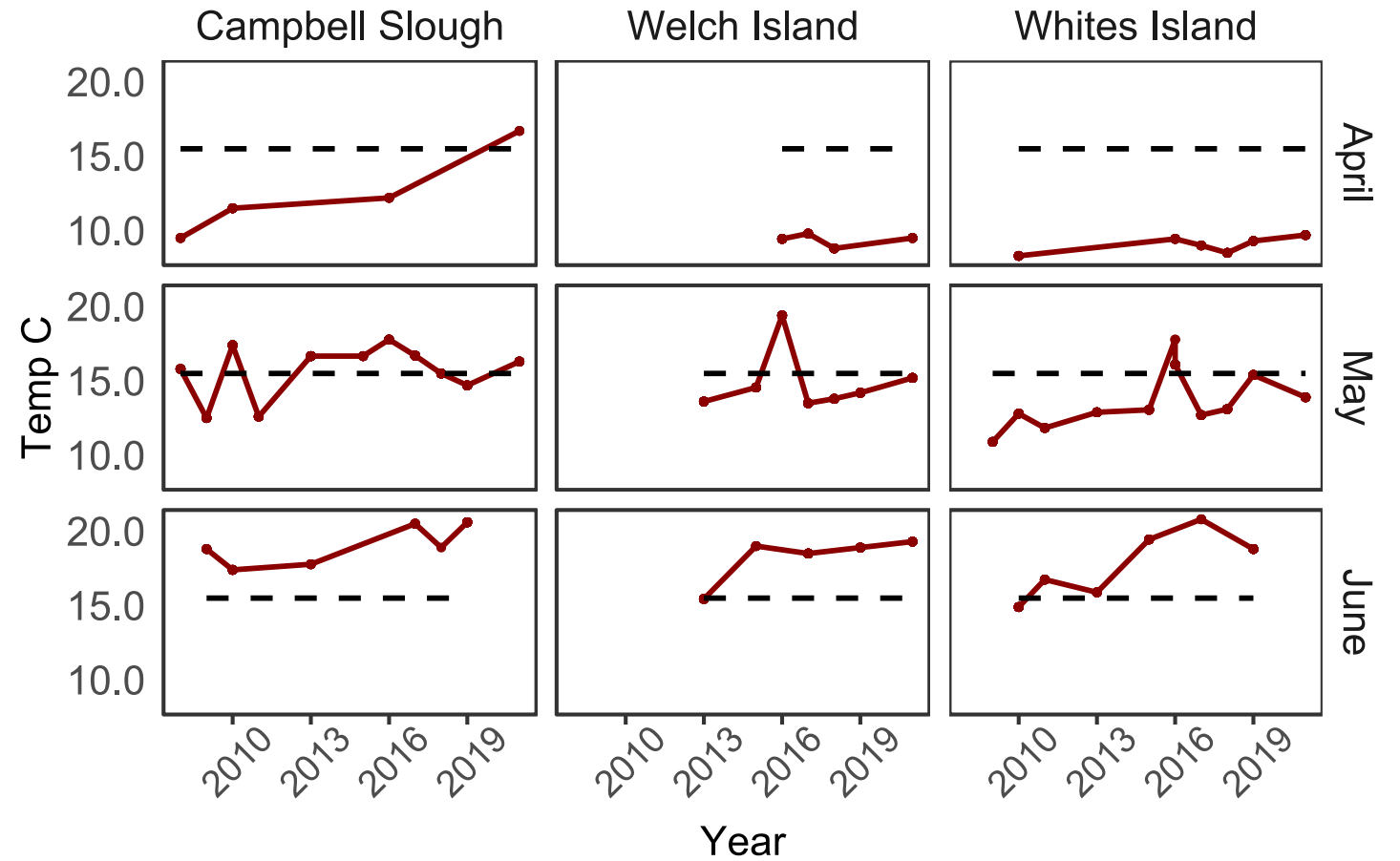
Caloric intake highest at Ilwaco, comparable among top sites

July – highest energy, from insects; fewer fish remain

Smaller fish fuller and higher energy intake

# METABOLIC COSTS

Increase with size, water temperature



## UNKNOWNNS

Eating, but growing?

How will fitness and migration patterns change?

Predator/prey availability mismatch?

## NEXT STEPS

Data + Bioenergetics Model → Growth

Updated Energy Density Values → Bioenergetics Model

