

# Who am I?

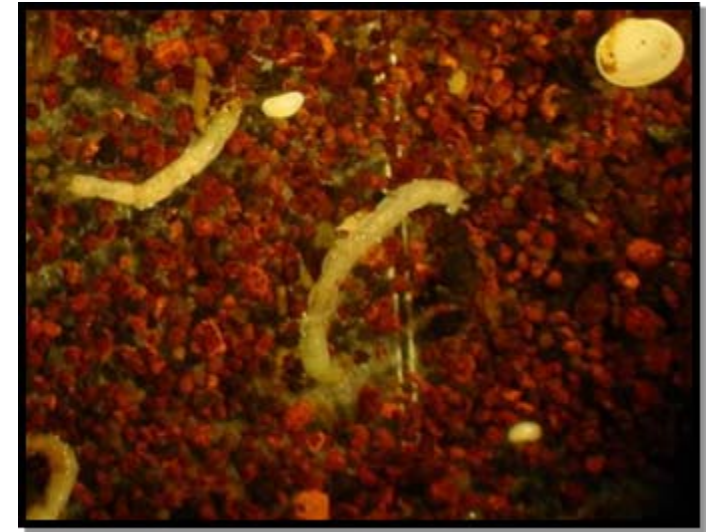
- Rebecca Rooney  
[rrooney@uwaterloo.ca](mailto:rrooney@uwaterloo.ca)
- Assistant Prof at Waterloo
- Aquatic Ecologist, Biology
  - BSc. Landscape Ecology, Dragonflies in wetlands
  - MSc. Entomology, Experimental Lakes Area, Aquaculture
  - Ph.D. Ecology, Oil sands wetland reclamation
  - Post-doc, Wetland assessment and monitoring tools in Alberta (policy implementation)



# Research experience

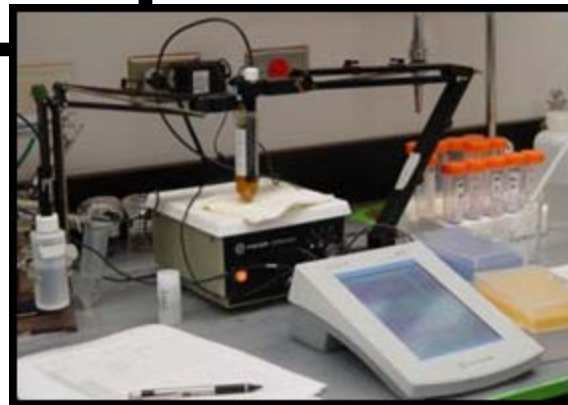
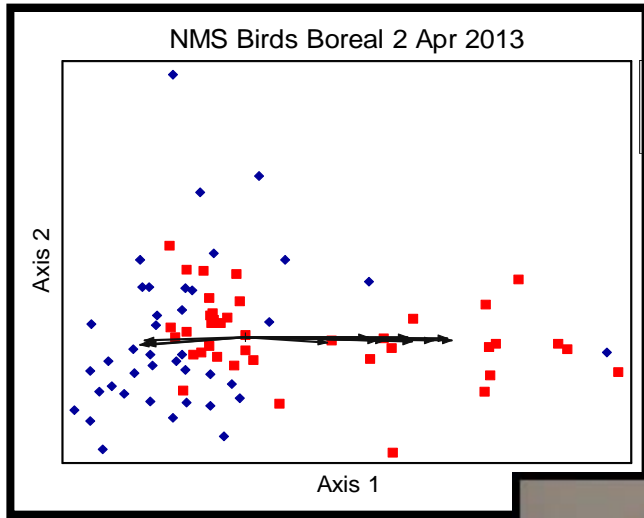
## Organisms

- Wetland plants
- Aquatic invertebrates
- Wetland-dependent songbirds
- Epiphyton
- Waterbirds



## Analyses

- Ordinations
- Structural equation models
- Classification and regression trees
- Piece-wise quantile regression



## Environmental covariates

- Nutrients
- Metals
- Salts
- Organic contaminants

# Research interests



- Relationships between ecosystem health and functions/services
- Drivers of community structure (biotic & abiotic, local & landscape)
- Monitoring and assessment tools for managing freshwater resources
- Wetland restoration/reclamation practice and evaluation
- Ecohydrologic networks and aggregate landscape properties