Riparian Ecosystem Monitoring Network

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Riparian ecosystems are important landscape features

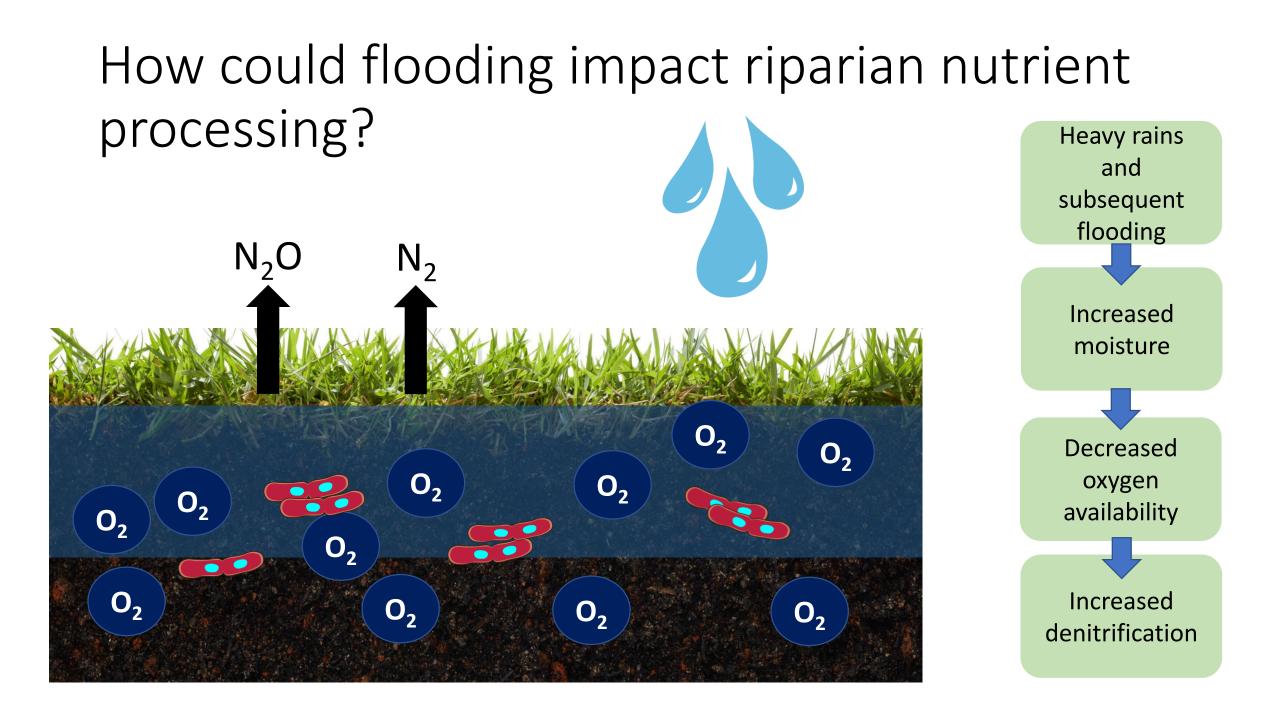
- Improve water quality of adjacent waterbodies
 - Reduce nutrient and suspended sediment loading from subsurface runoff
- Flood control
 - Reduce force, height, and volume of floodwaters

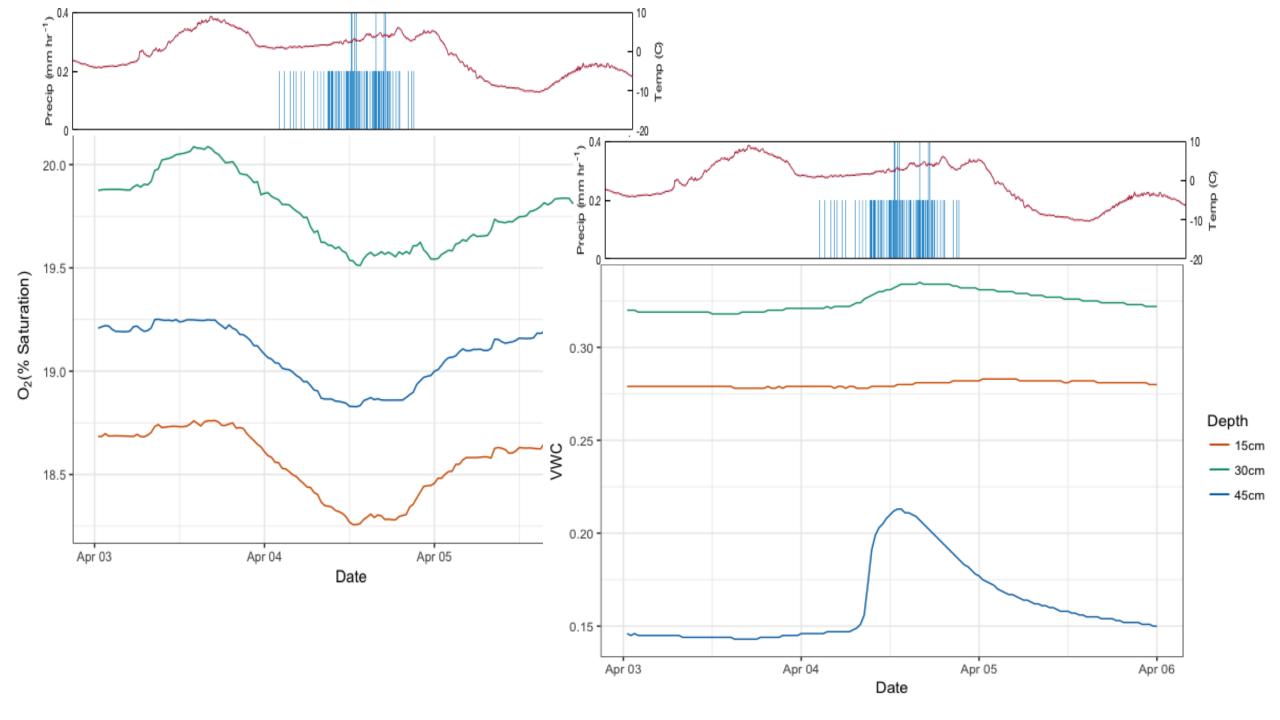
How will extreme weather events impact riparian nutrient processing?

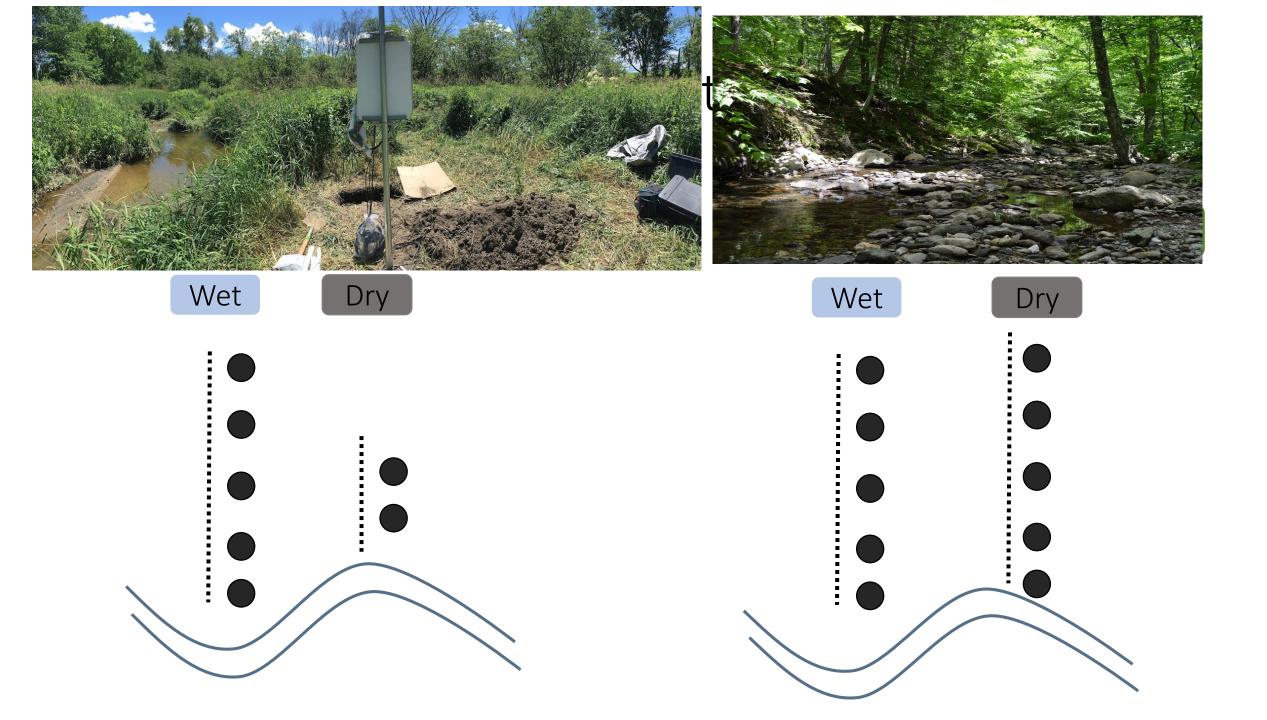
Carbon

Nitrogen

Phosphorus

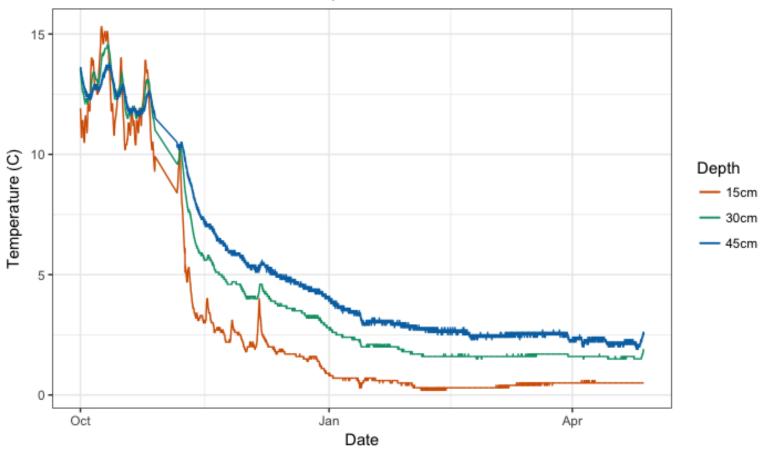






Soil sensor network

Wade Brook Wet Pit 1:Soil Temp.



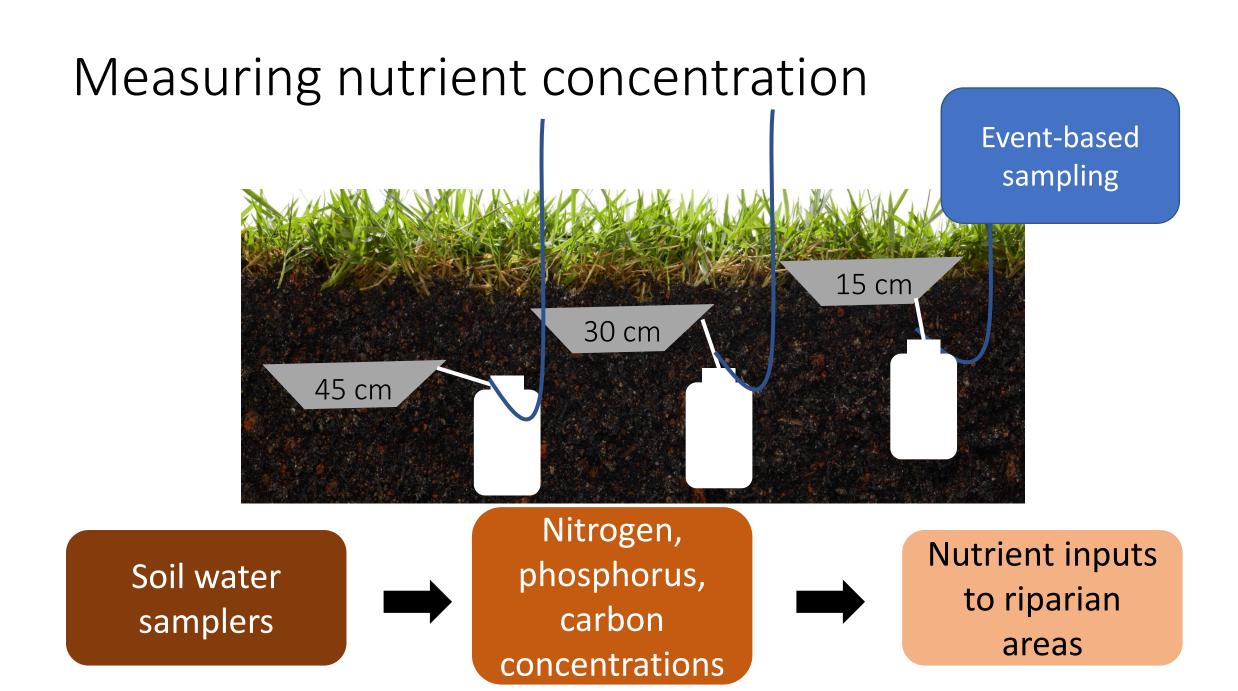


High frequency data

Soil sensor data

What are the soil conditions like before, during, and after extreme events?

Understanding of what is occurring biogeochemically



Summary

Riparian ecosystems can reduce nutrient inputs to adjacent waterbodies



How will extreme weather events impact riparian nutrient processing?

