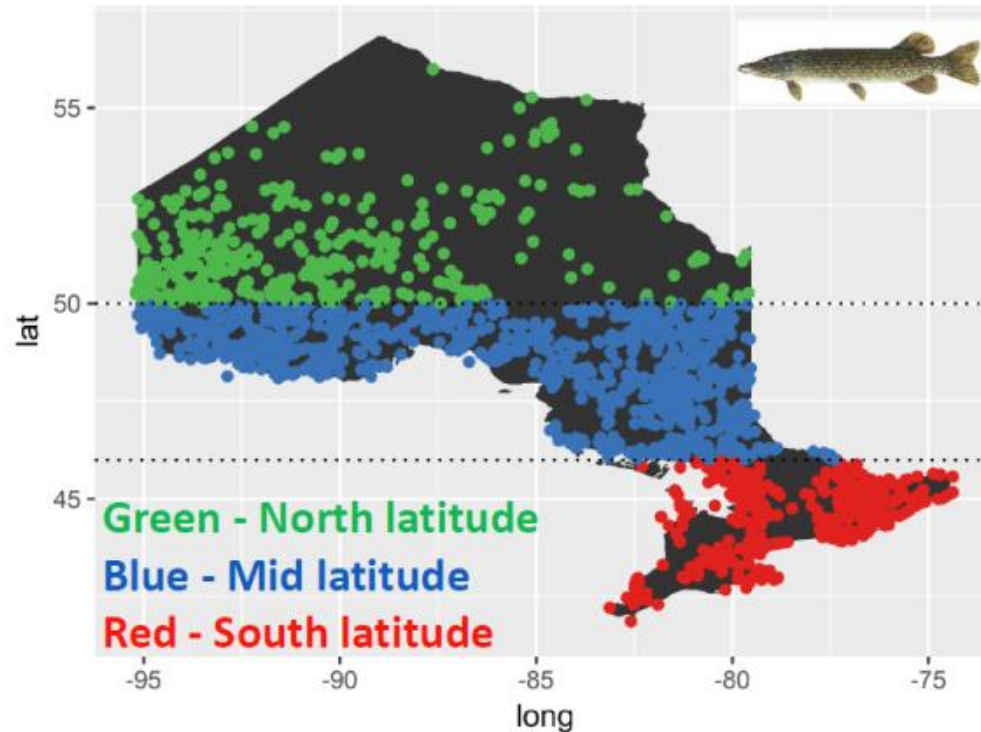


## Testing Theoretical Expectations that Climate Change Mediated Trophic Shifts will Impact Food Fish Mercury Levels in Inland Lakes

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Duration: 2017-2020

Northern Pike Mercury Data: 1970-2015



Ontarians rely on clean water - not only for drinking and swimming, but also for fishing; and in many communities, people rely on fish food for a large part of their diet. Fish mercury levels are predicted to increase with climate change, putting many Ontarians at risk of consuming increased toxins.

**The goal of this project is to develop predictive models of inland lake water quality along a climatic gradient in Ontario using food fish mercury as the key response variable of interest.**

The proposed approach will tease apart effects of fish growth (age and trophic position) from lake temperature and catchment-level attributes.