



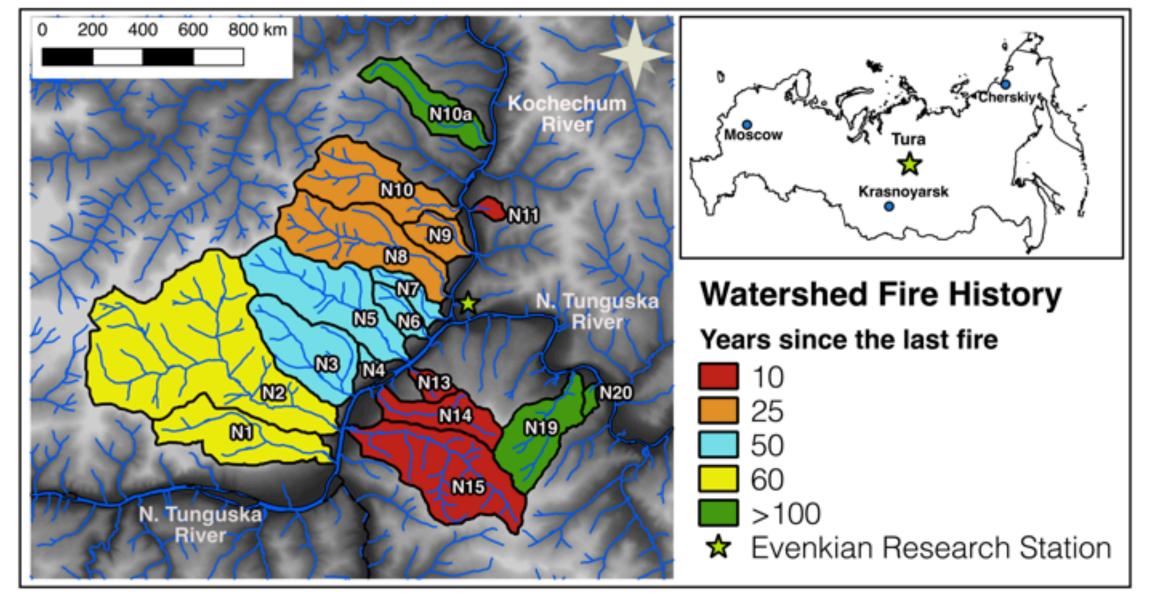






## Background

- Fires are increasing in frequency
- in Arctic and boreal regions
- Fires alter nutrients and DOC
- concentrations in streams
- Nutrient uptake and export after fires is unclear
- What is the resiliency of stream chemistry after wildfires?
  - How do fires influence NO<sub>3</sub> and NH<sub>4</sub> uptake in streams?



Nutrient pulse additions: Uptake velocity  $(V_f)$  of NO<sub>3</sub> and NH<sub>4</sub> in streams across a burn gradient from 3 to >100 years since the last fire (YSF)





# **Arctic stream resiliency and nutrient uptake dynamics** across a wildfire chronosequence

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