

Northern myotis (*Myotis septentrionalis*) use of remnant old growth forest



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WCS
CANADA

Credit: Jason K.

Wildlife Conservation Society Canada

Northern myotis

Live in tree roosts in summer - switch roosts

- Form colonies of ~10-30 individuals

Long lifespan, slow reproduction

- One pup per year

Federally endangered

- Highly impacted by habitat loss and white nose syndrome



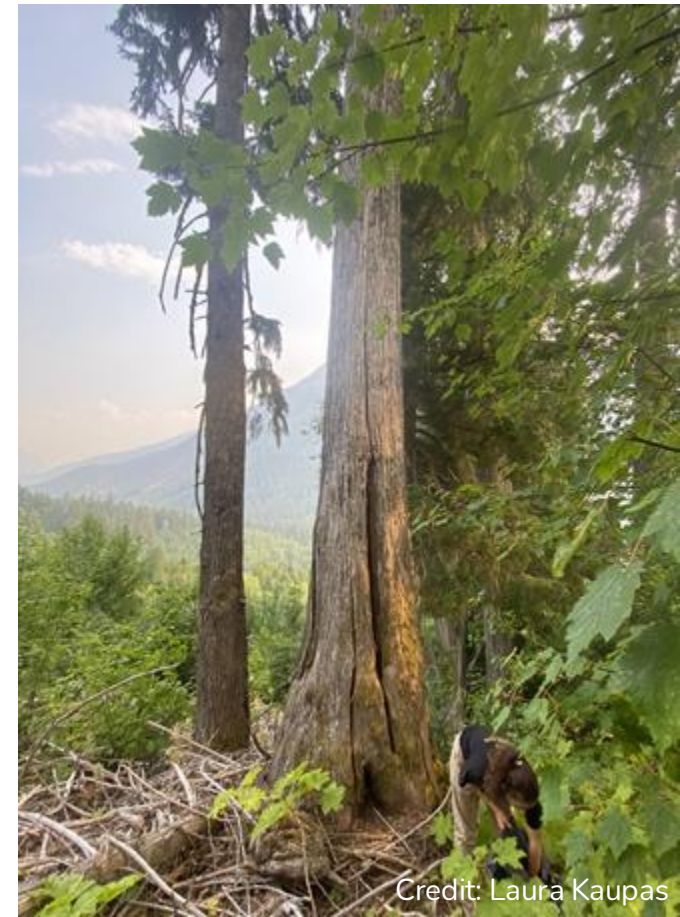
Credit: Laura Kaupas

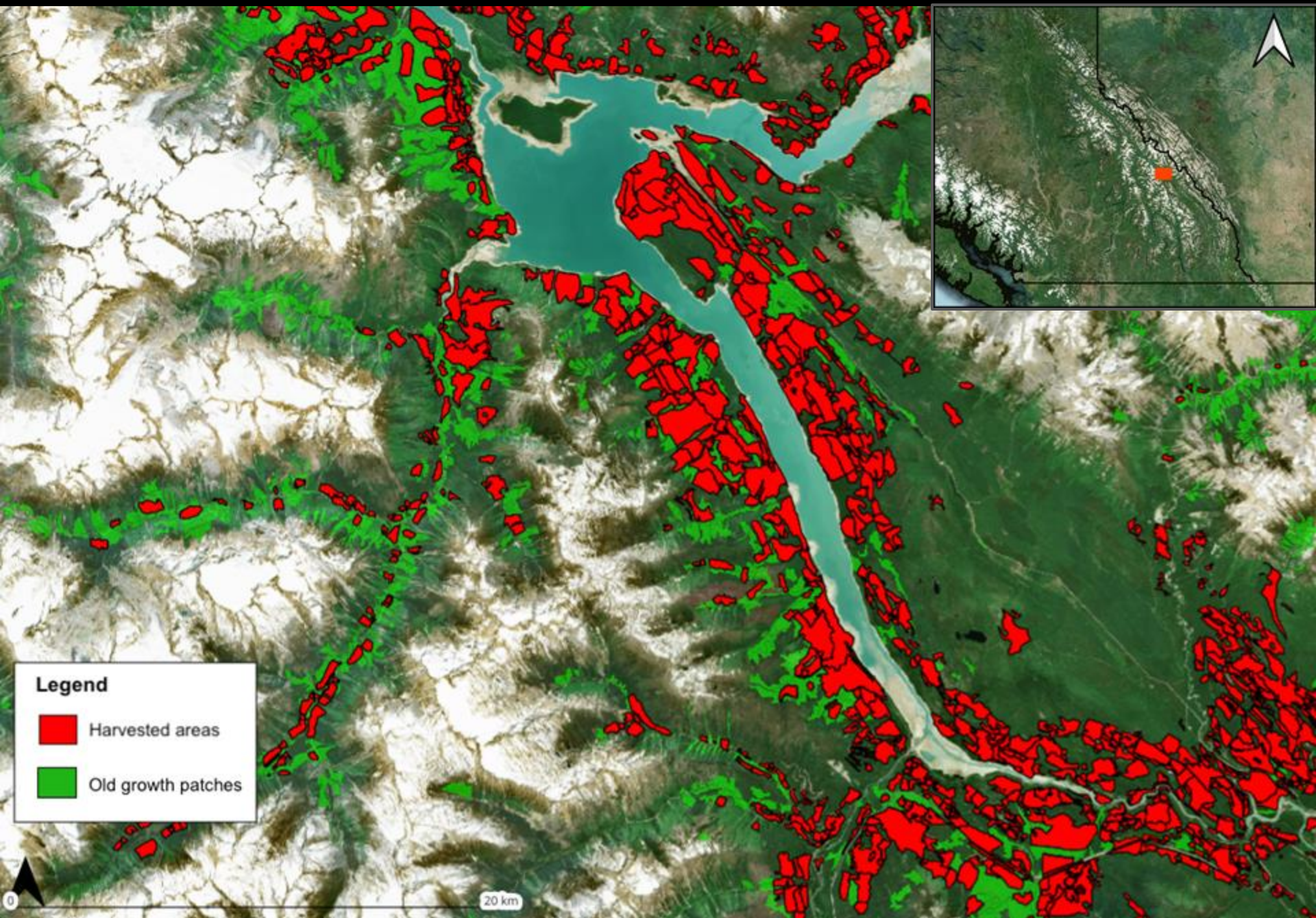
Credit: Hila Taylor

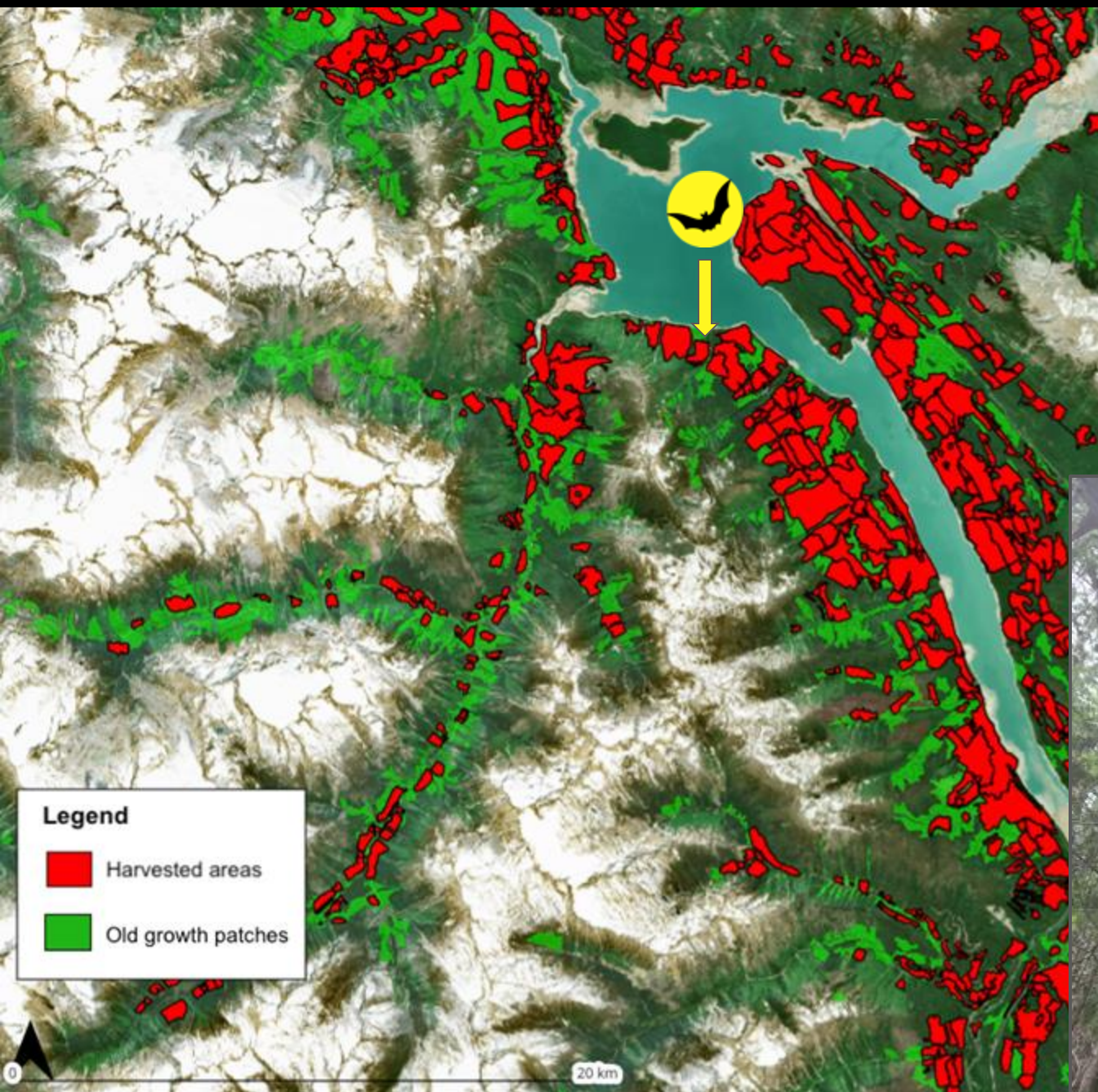
Conservation Concerns & Preliminary Work

Early work in Inland Temperate Rainforest - northern myotis only in large-diameter trees in old growth and primary forests

- No longer reproducing outside of protected areas? (Caceres 2000)
- Small patches, low connectivity - forest specialist bat

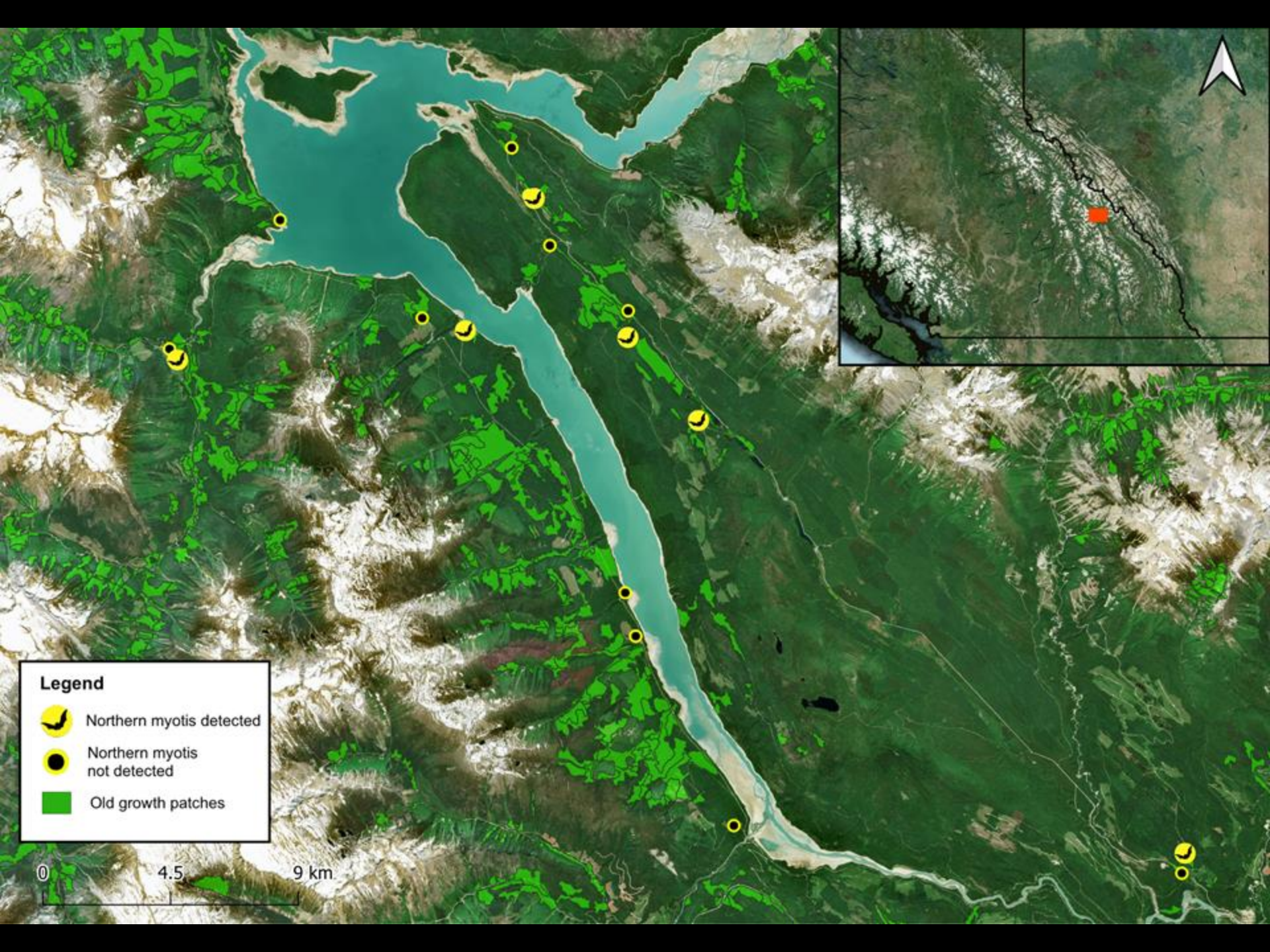






Credit: Jason Rae





Moving Forward

2025

1. Capture and radio telemetry to identify areas of critical habitat
2. Characterize the roost trees and remnant patches
 - How big? How many?
 - How much connectivity for suitable habitat?
 - Where don't we find northern myotis? Why?
1. Artificial roost habitat to supplement the remaining suitable roost habitat



Thank you!

Field & logistical support:

Erin Low Lindsay Smith
Cory Schacher Steve Sadler
Rebecca Martin



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