

IUCN Connectivity Conservation Specialist Group

Hilty et al 2020



Guidelines for conserving connectivity through ecological networks and corridors

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Craig Groves, Series Editor



These Guidelines "recommend formal recognition of ecological corridors to develop conservation networks and thus ensure effective conservation of biological diversity."



Best Practice Protected Area Guidelines Series No. 30

















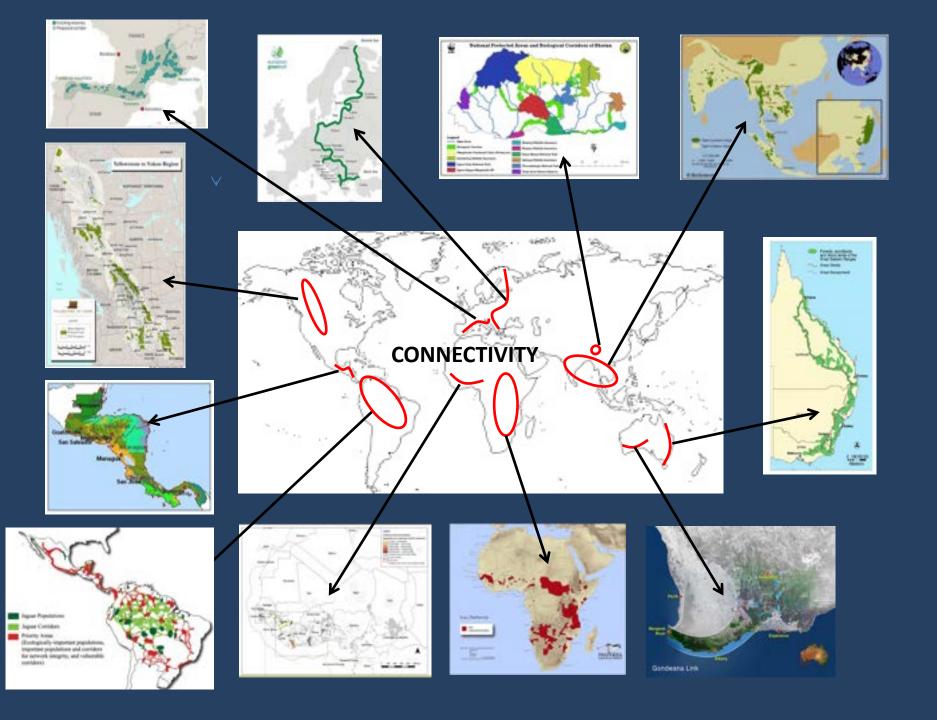
Ecological connectivity:

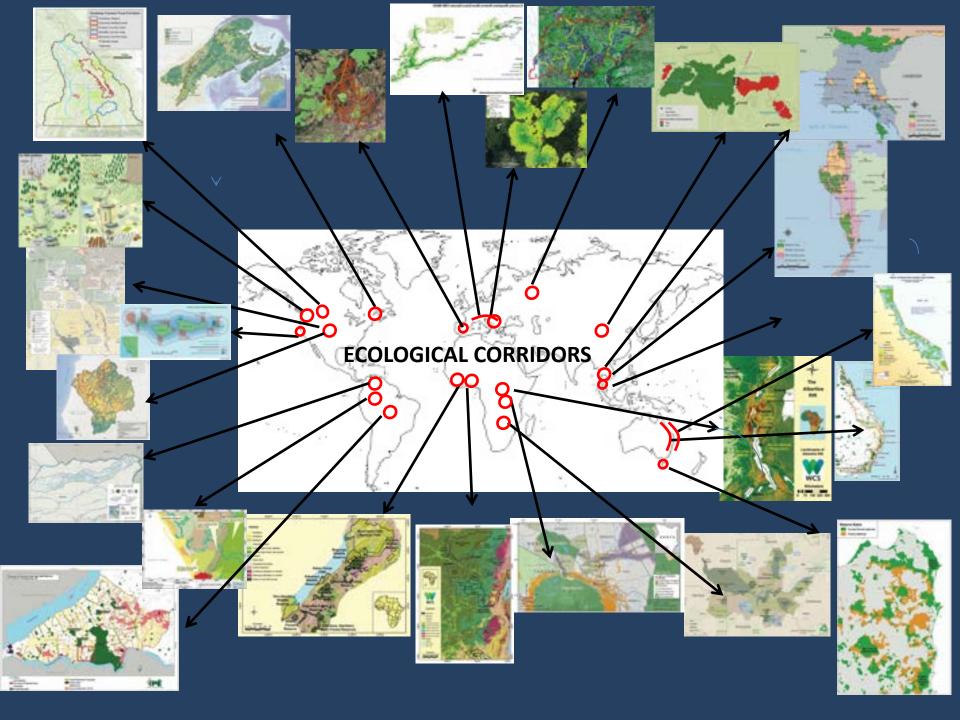
Privateland The movement of genes, individuals, species, material populations, communities, and ecosystems

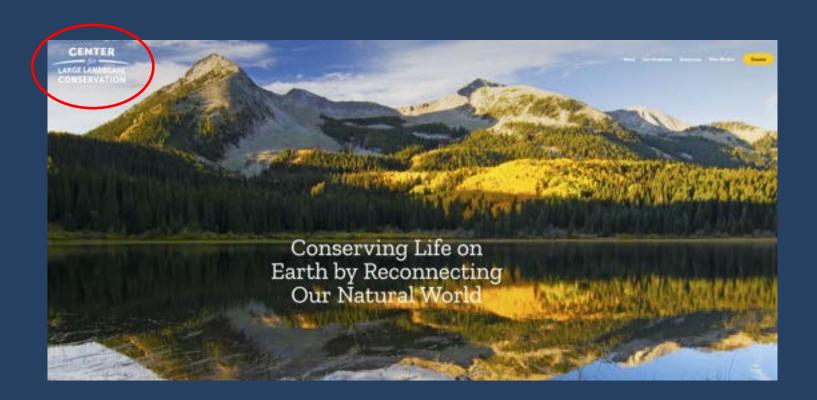
Ecological corridor:

cessarily recognized as a 'protected A clearly defined geographica cludes Public area', that is governed and er the long-term to conserve or restore effective ecological of ath associated ecosystem services and cultural and spiritual value

ors may support a variety of human activities that practice use including farming, forestry, grazing, hunting, fishing, and other resource extraction, as long as they are also managed for, and effectively achieve, the identified ecological connectivity objectives.







We Must Reconnect and Restore

The Center for Large Landscape Conservation is the hub of a growing global movement to reverse the fragmentation of the earth's landscapes and restore nature's resilience to climate change.

We network and collaborate with experts, practitioners, and local communities. The work of landscape conservation restores human connection, civility, and respect. It is essential to our survival and the quality of our lives.

Our Approach

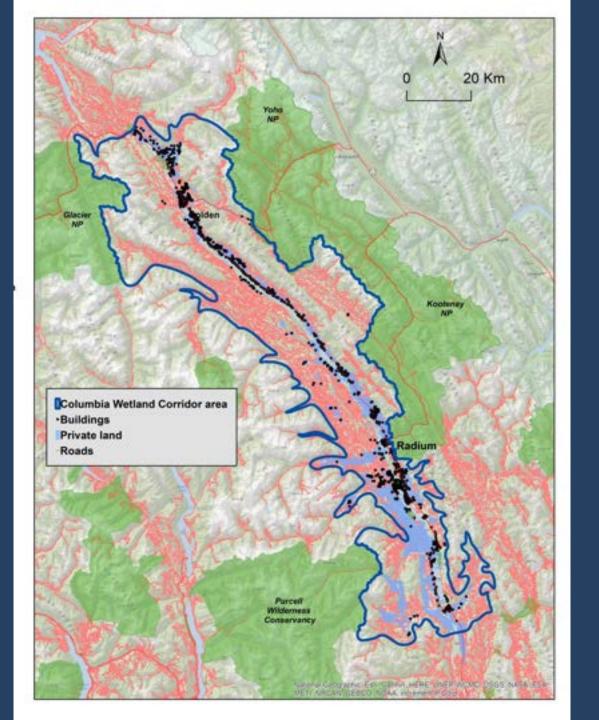
We develop science, craft policy, and support planning for une by more than 2,000 community-based conservation efforts. Together with our partners, we form a world-wide network of conservation professionals, scientists, and decision makers. The Center engages in four v/ays:

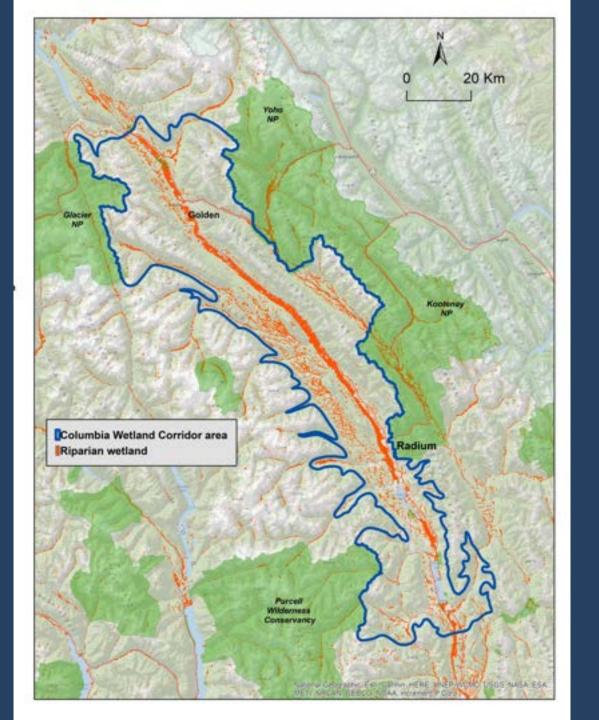
'Global hub'

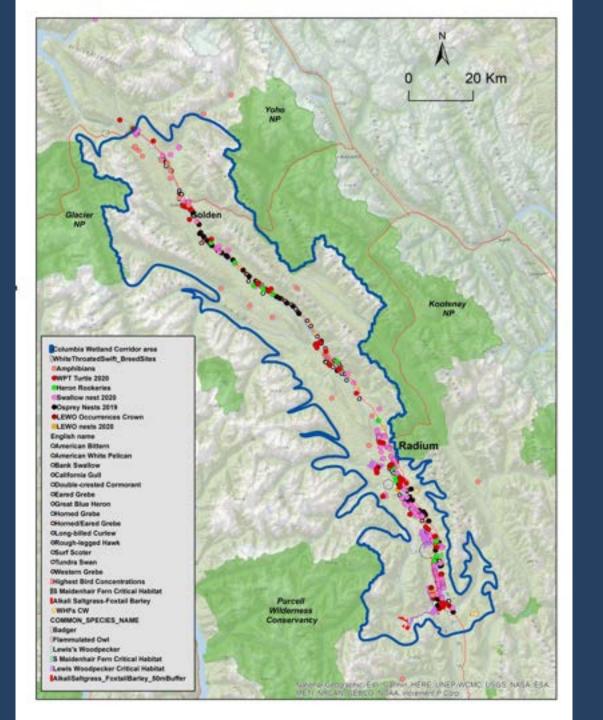
'2000 efforts'











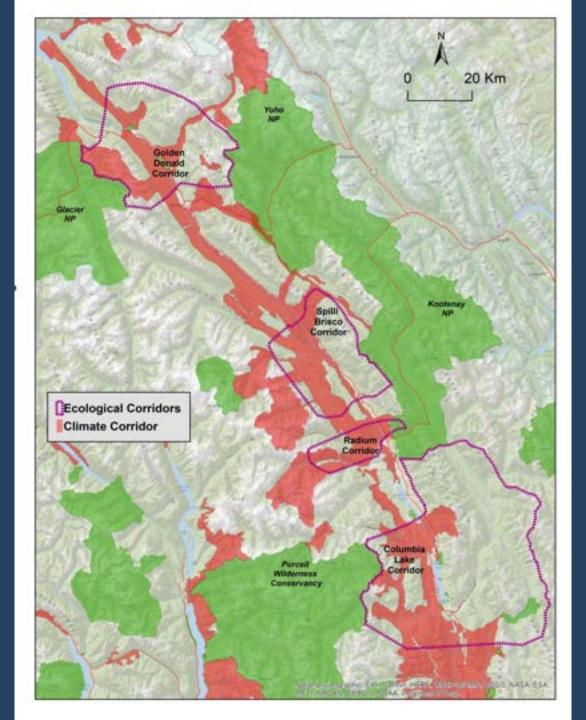
First!

The whole Columba
Wetlands is a NorthSouth Climate,
biodiversity corridor



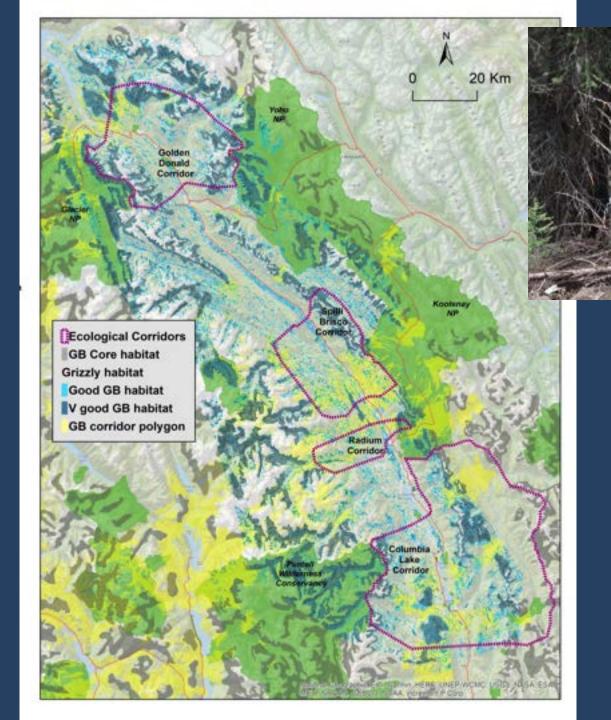
Climate corridors

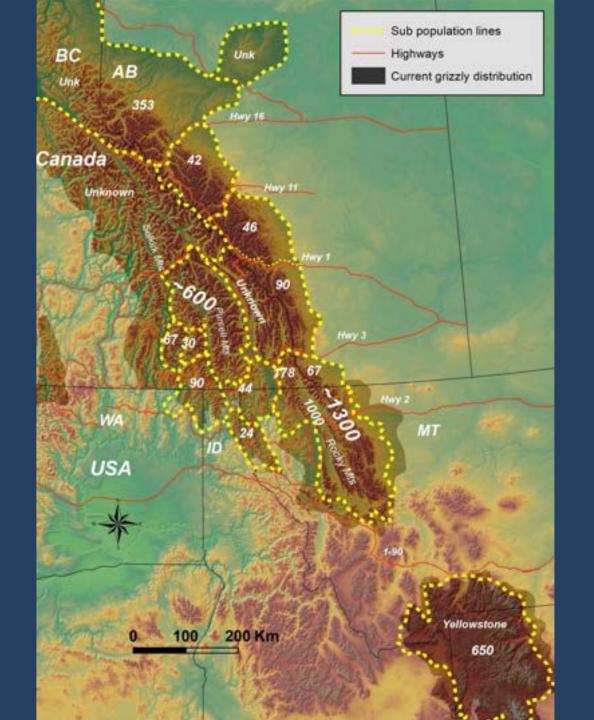
Utzig 2019



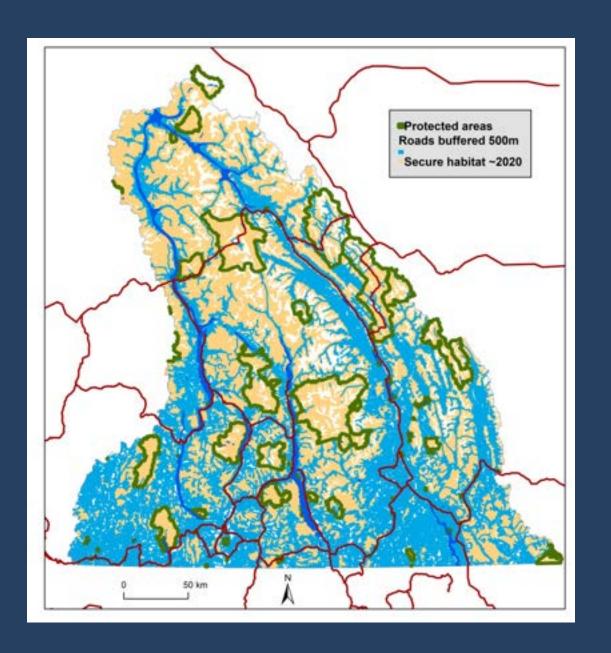
Grizzly corridors

Proctor et al 2015

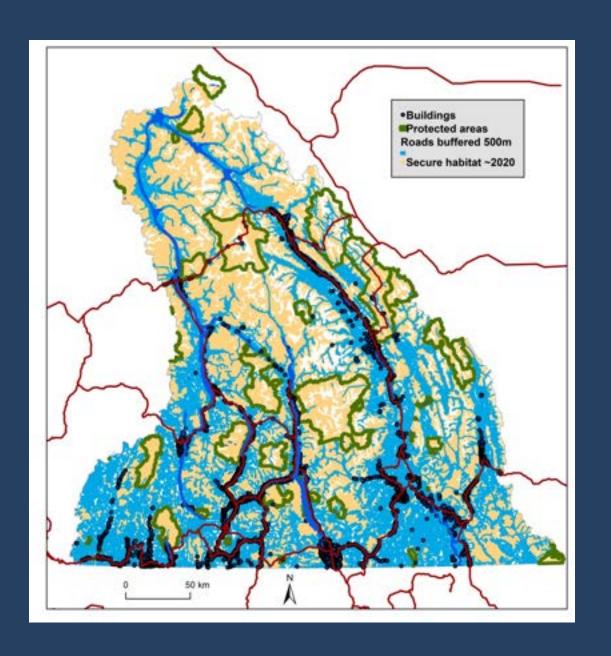




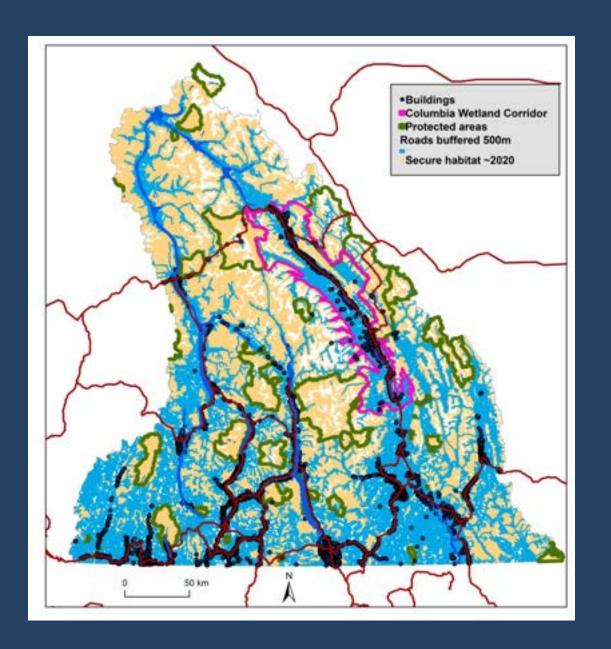
Roads & Secure Habitat &



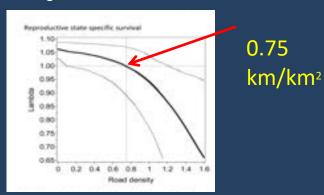
Roads &
Secure Habitat &
People



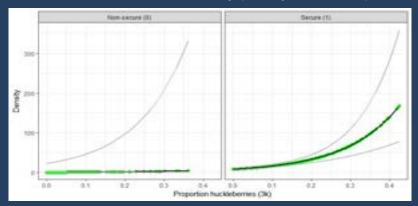
Roads &
Secure Habitat &
People & Columbia
Wetlands region



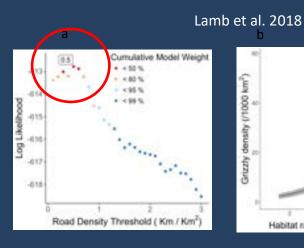
Boulanger and Stenhouse 2014

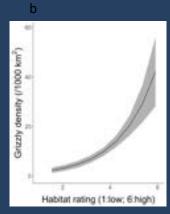


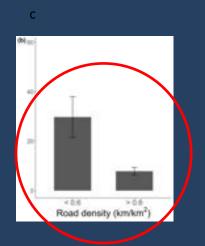
Huck patches in non secure habitat don't translate into GB density (or reproduction)



Proctor et al. 2022



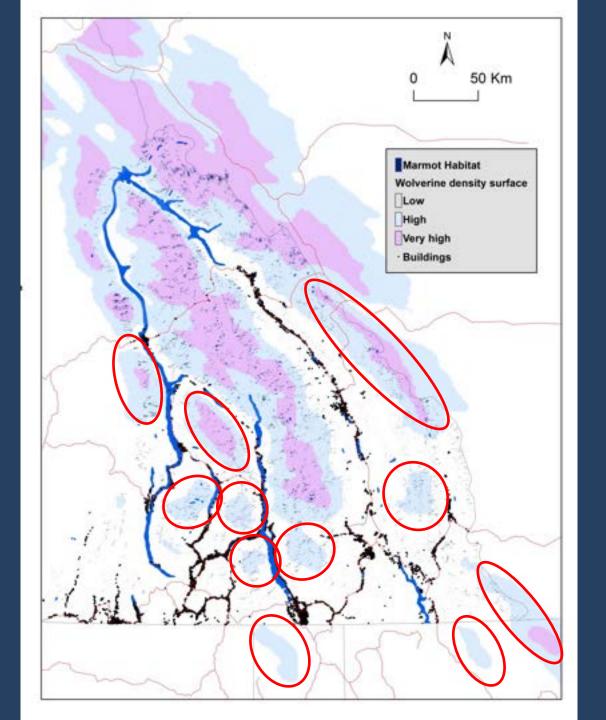


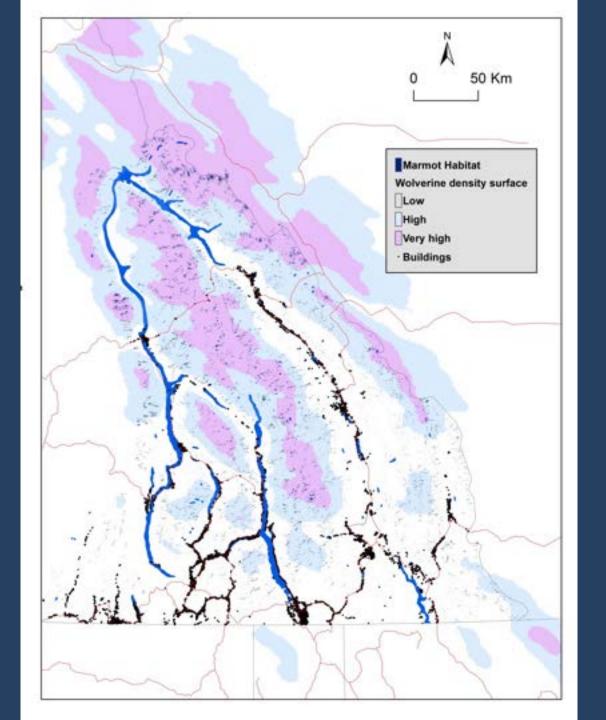


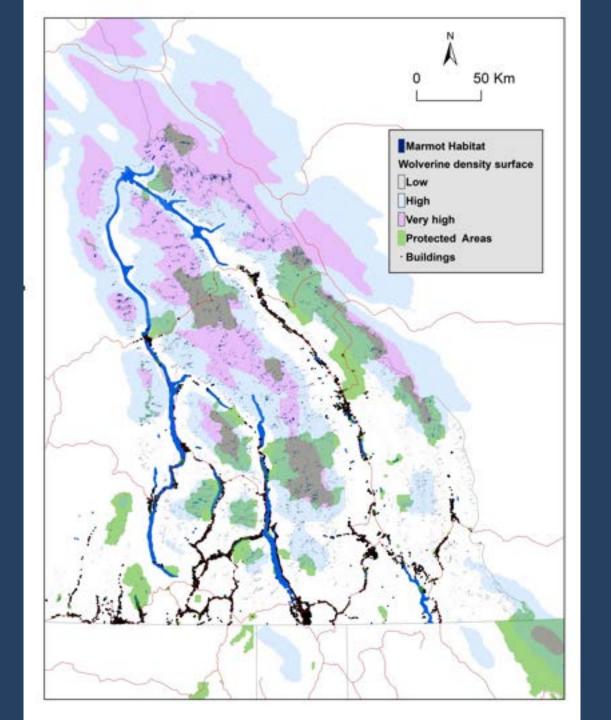
Wolverine density

Mowat et al 2020











Badger
habitat
Kinley et al
2014

Elk habitat

Mulligan 2019

