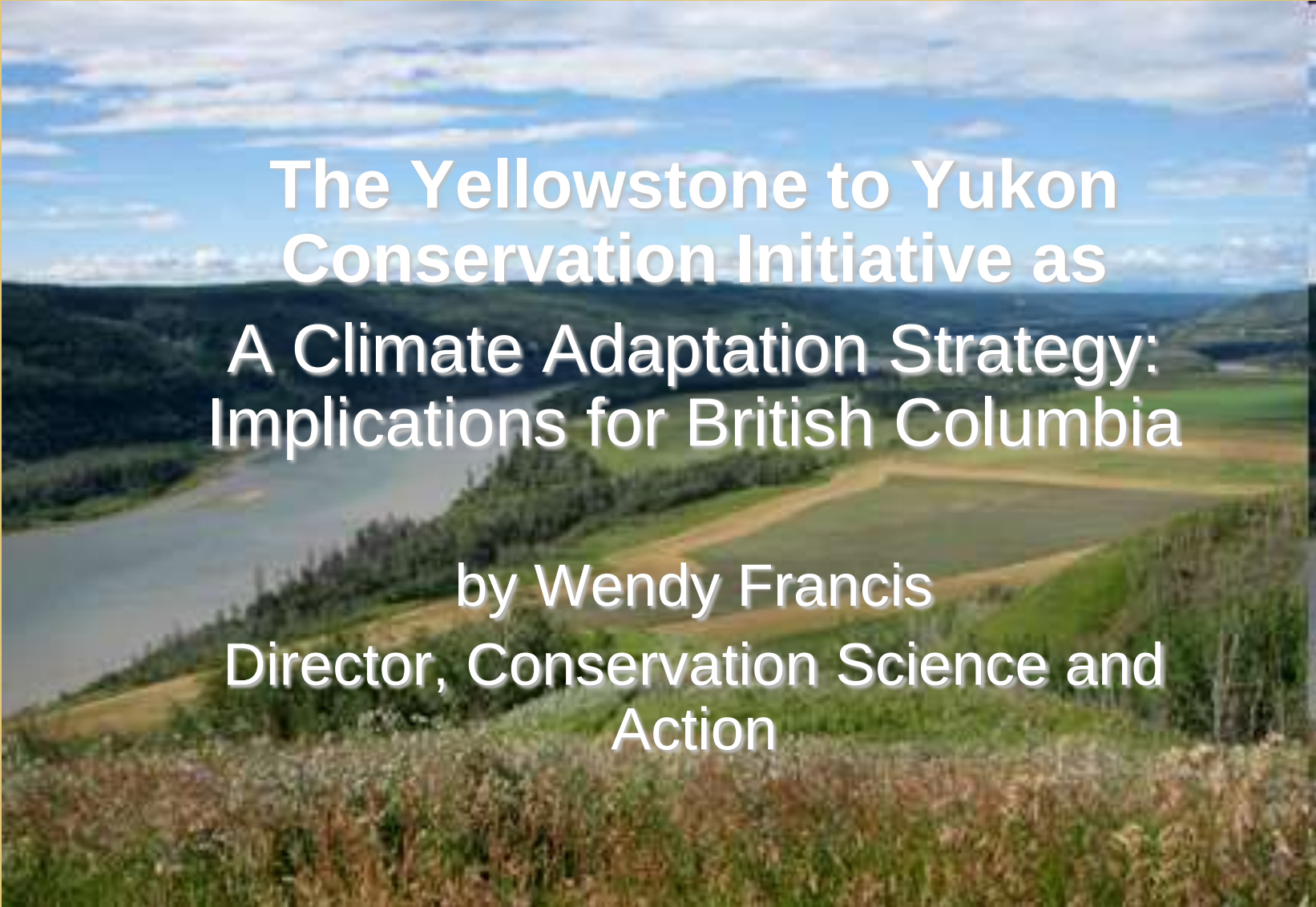




The Yellowstone to Yukon Conservation Initiative as A Climate Adaptation Strategy: Implications for British Columbia

by Wendy Francis
Director, Conservation Science and
Action



YELLOWSTONE TO YUKON
CONSERVATION INITIATIVE

Environment Canada's
Protected
Areas Network



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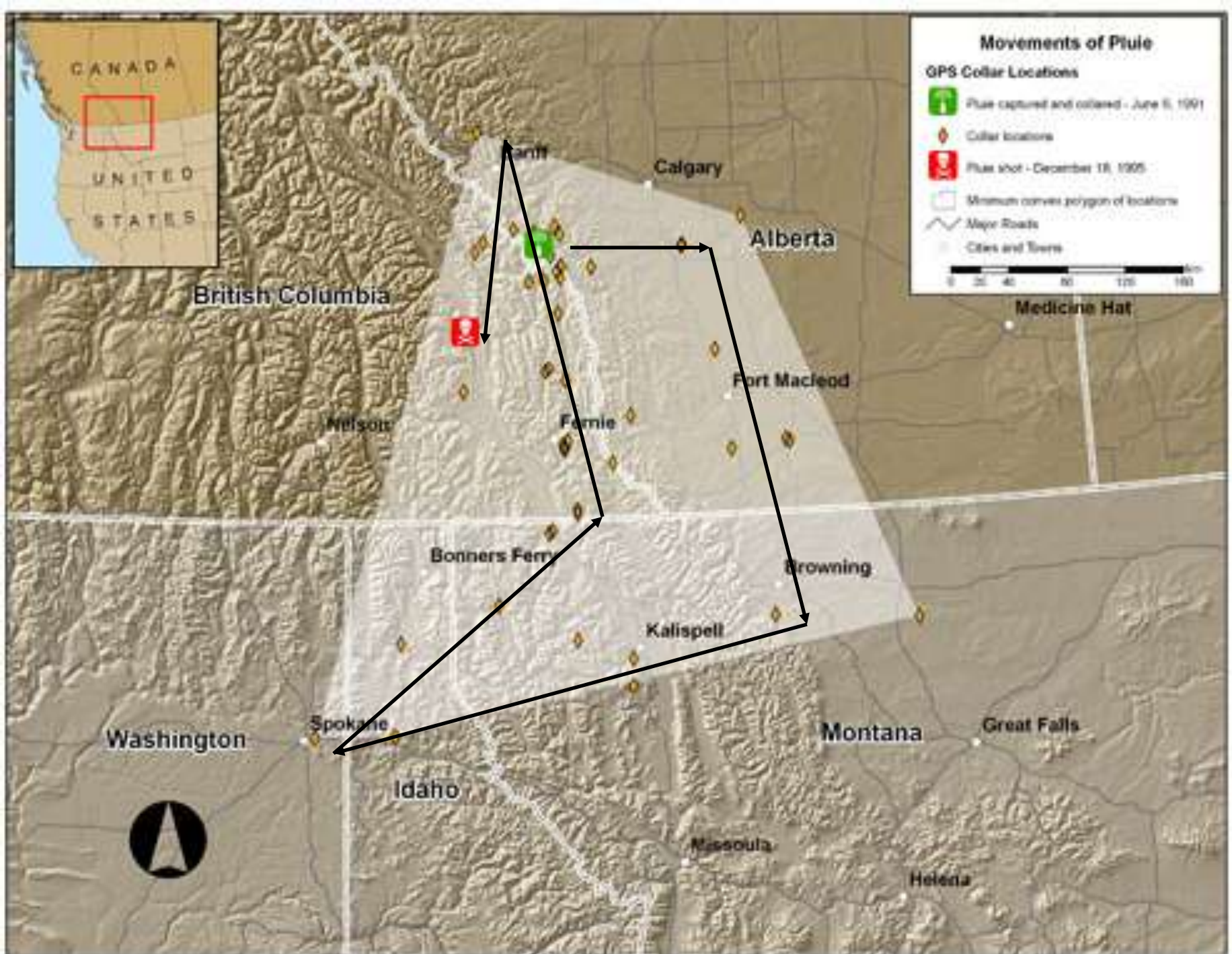
YELLOWSTONE TO YUKON
CONSERVATION INITIATIVE

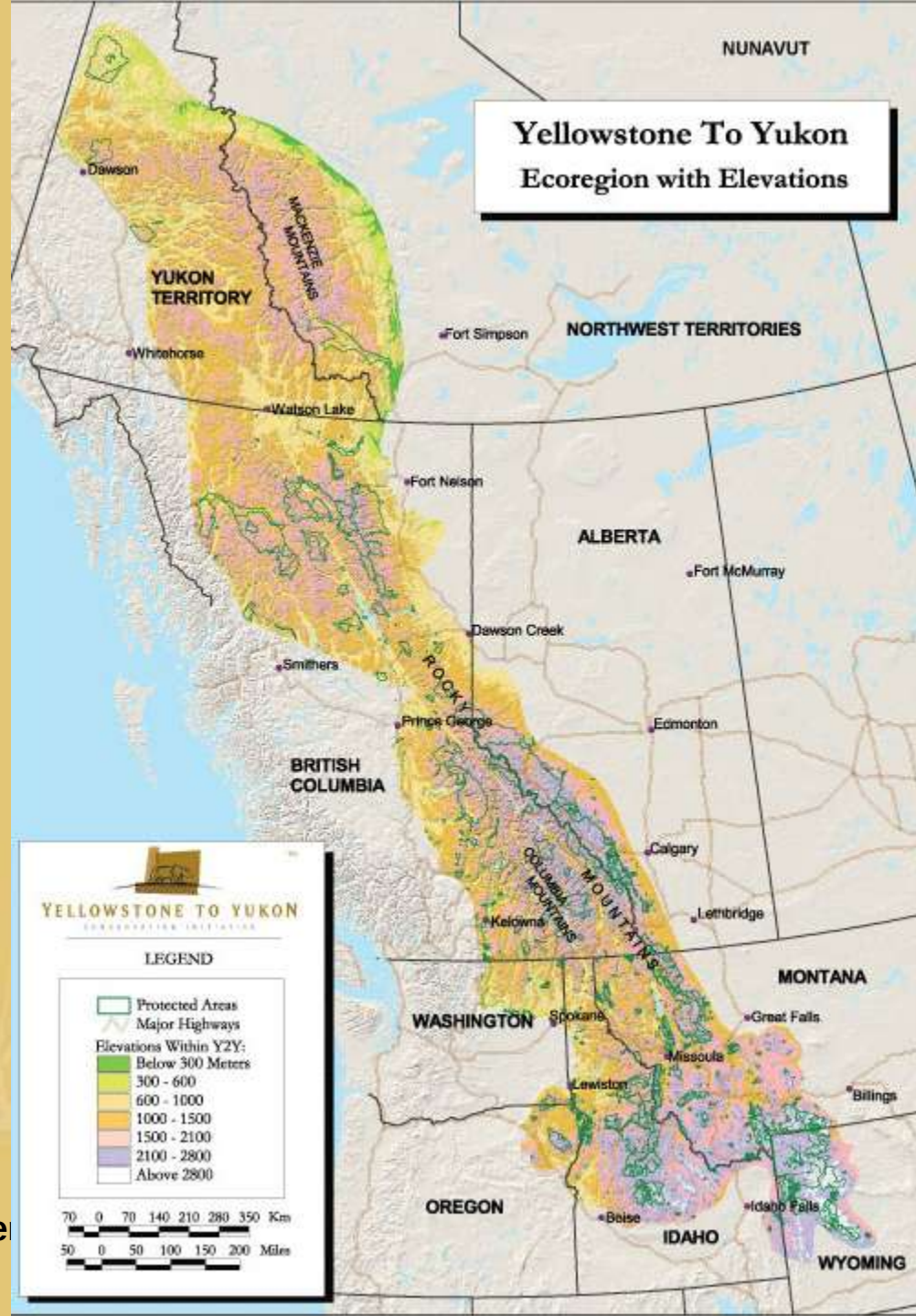


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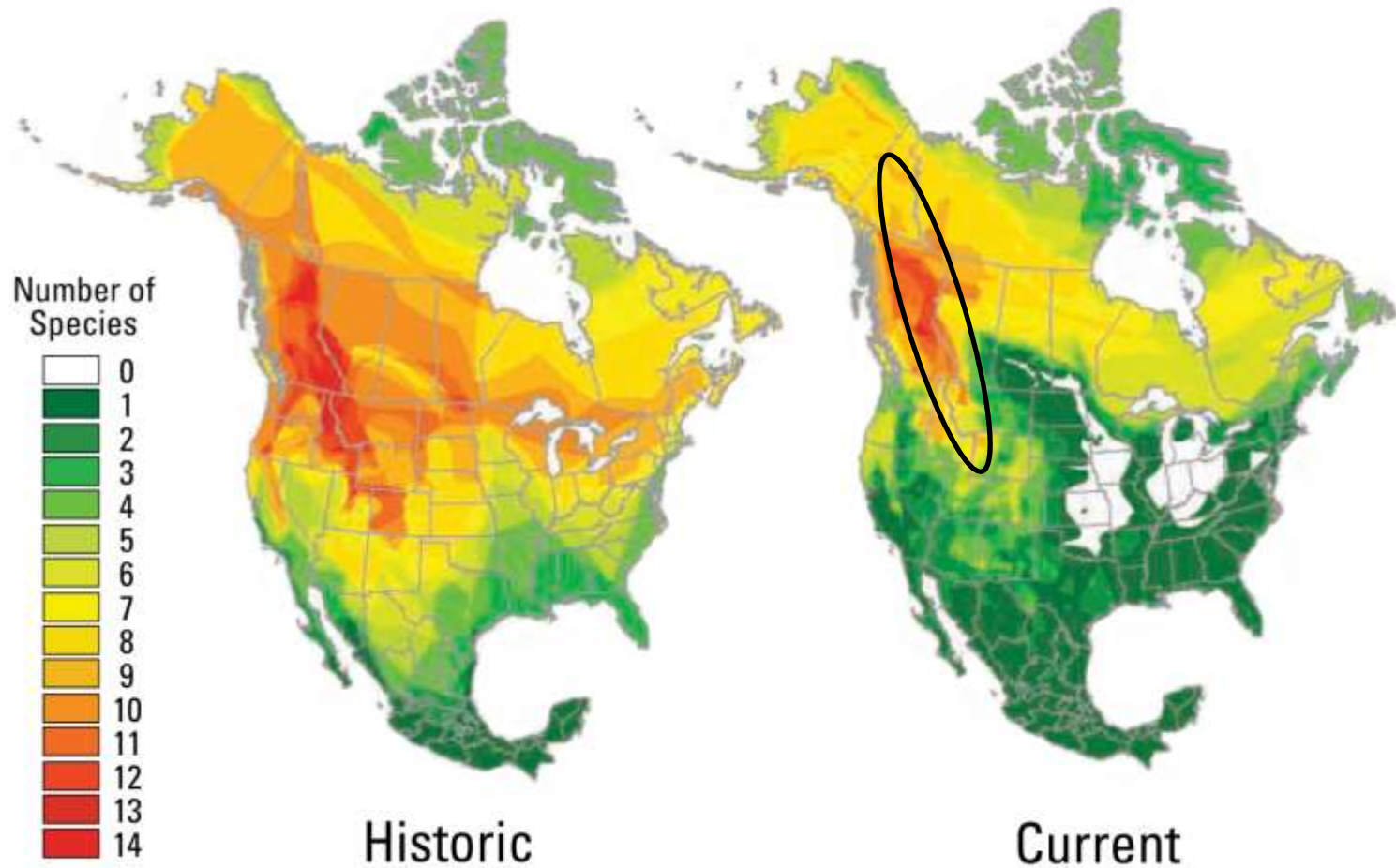


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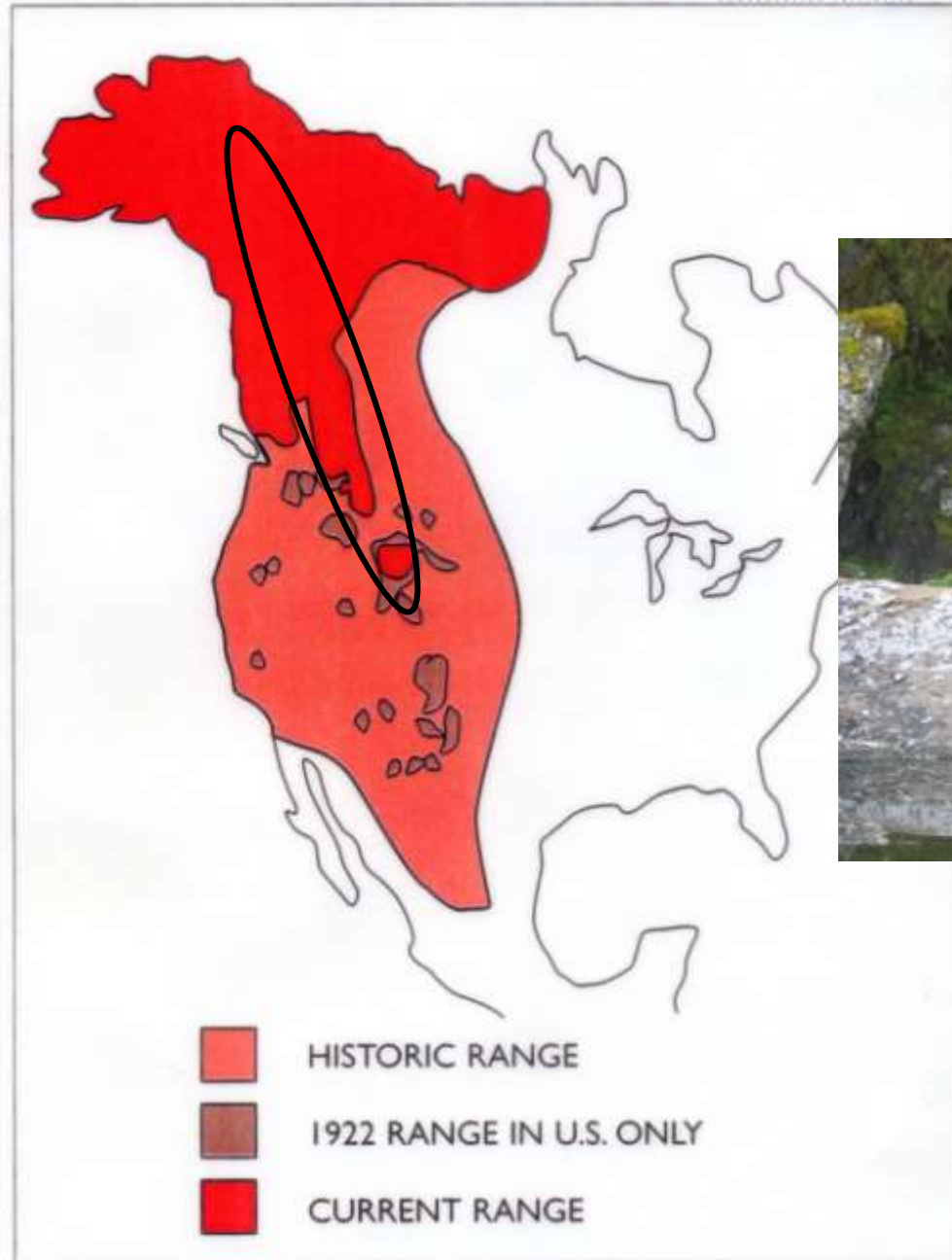
Historic and Current Distribution of Carnivores and Ungulates



Source - Range Contractions of North American Carnivores and Ungulates - Andrea S. Laliberte and William J. Ripple

Grizzly Bear Distribution


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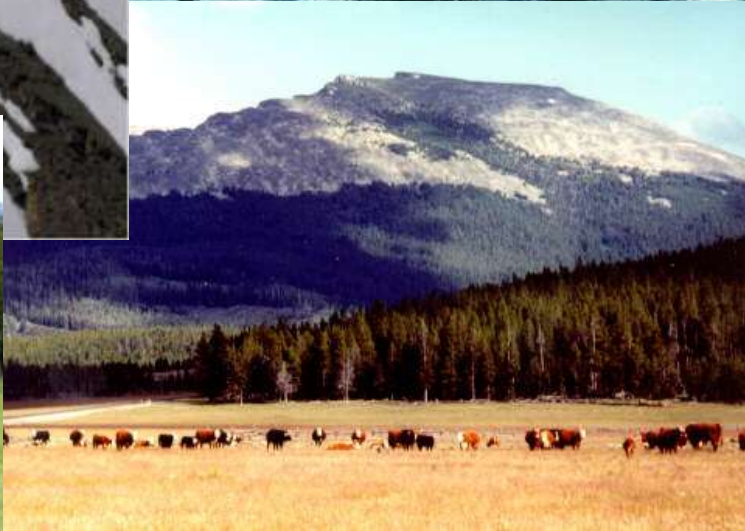


Map Credit: Dr. Bruce McLellan

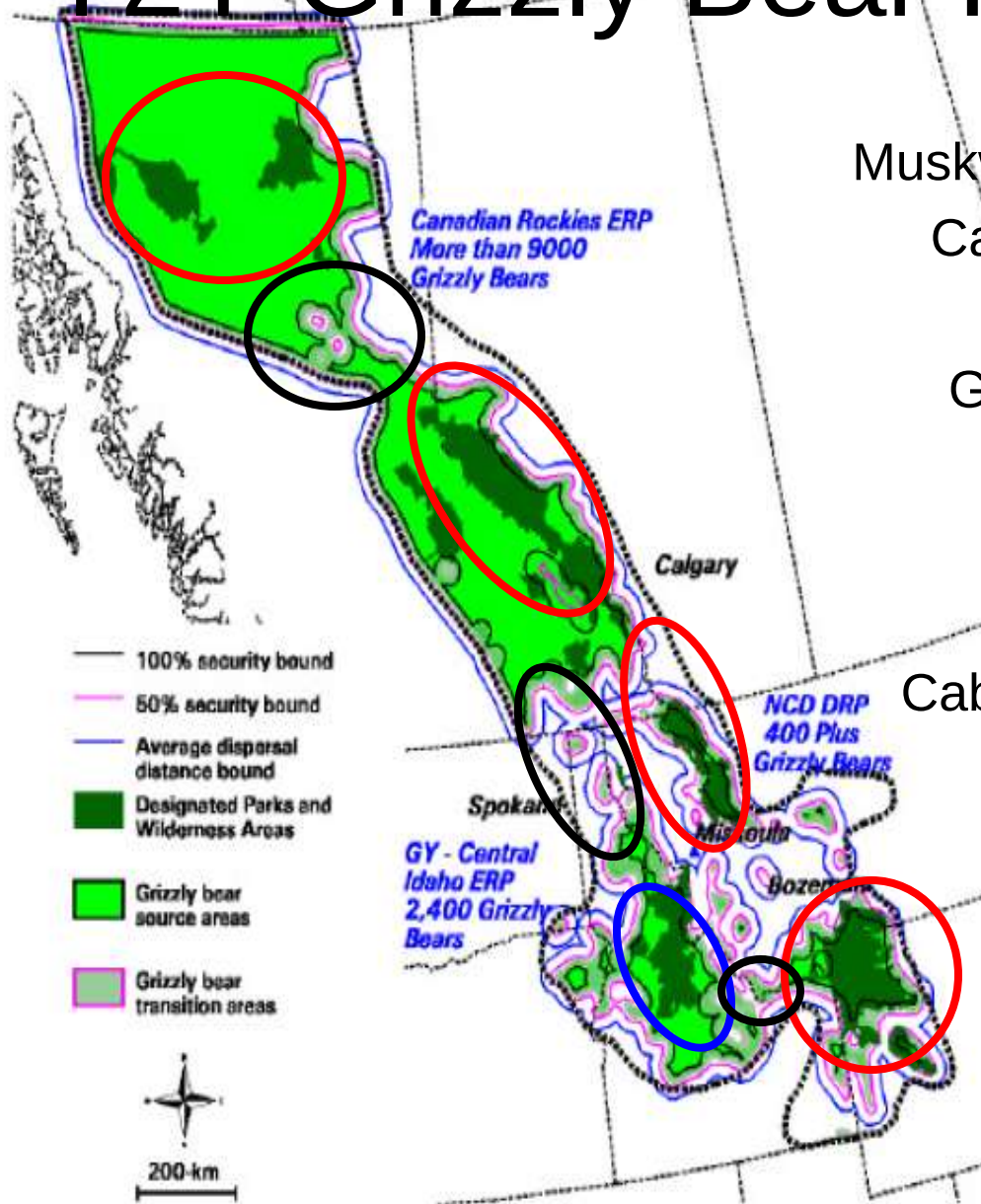

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Y2Y Grizzly Bear Priority Areas



CORE AREAS

Muskwa-Kechika Management Area
Canadian Rocky Mountain Parks
Crown of the Continent
Greater Yellowstone Ecosystem

CRITICAL LINKAGES

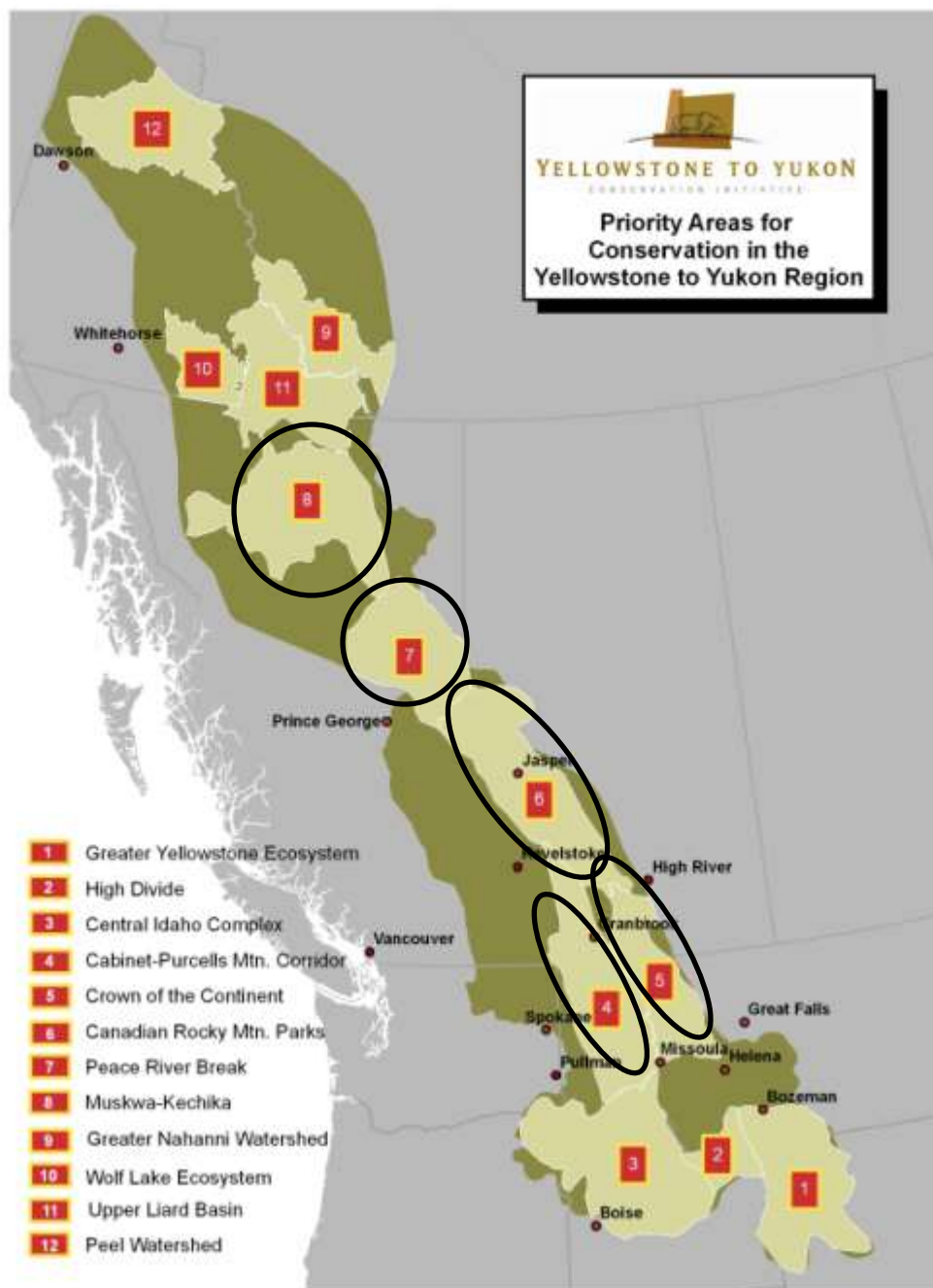
Peace River Break
Cabinet-Purcell Mountain Corridor
High Divide

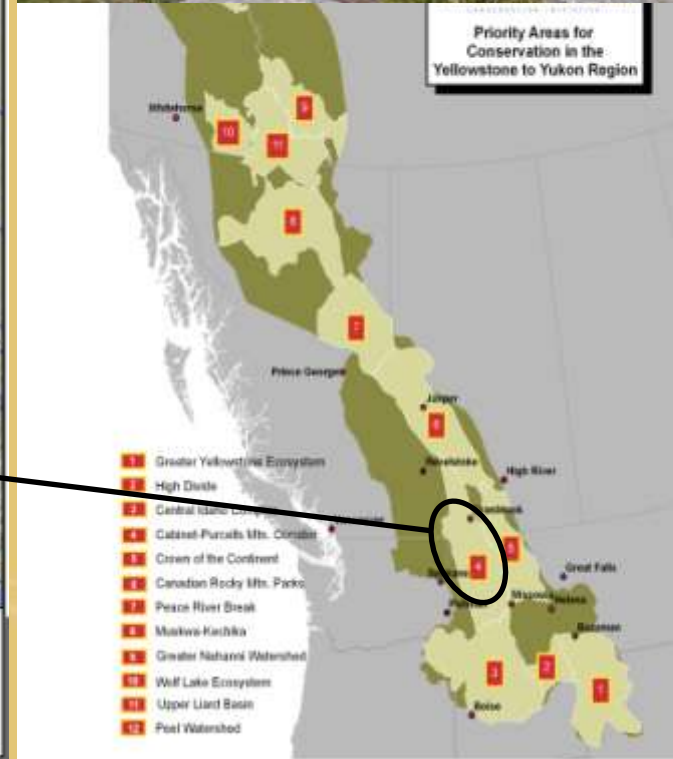
RESTORATION AREAS

Central Idaho

The importance of B.C. to Y2Y





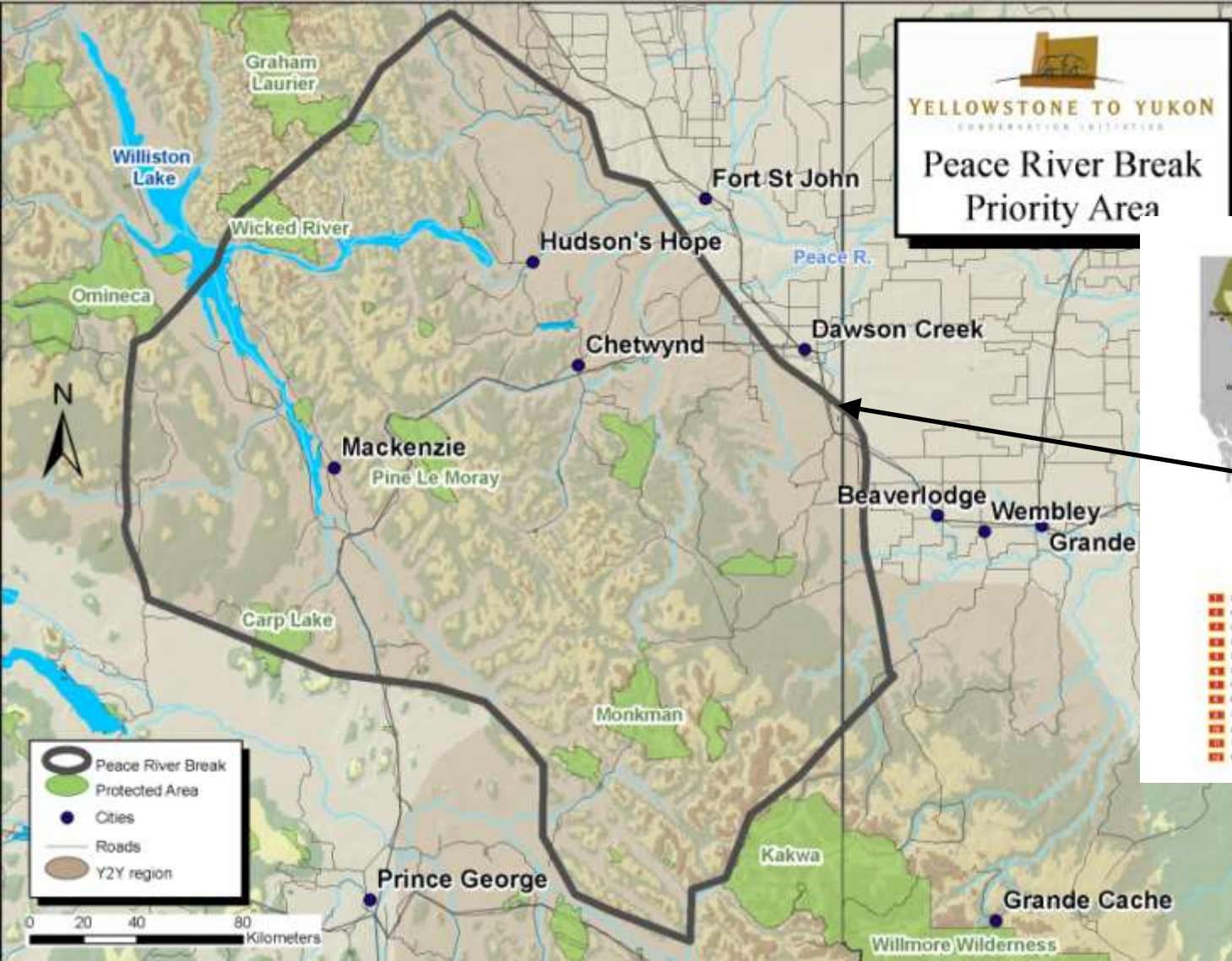


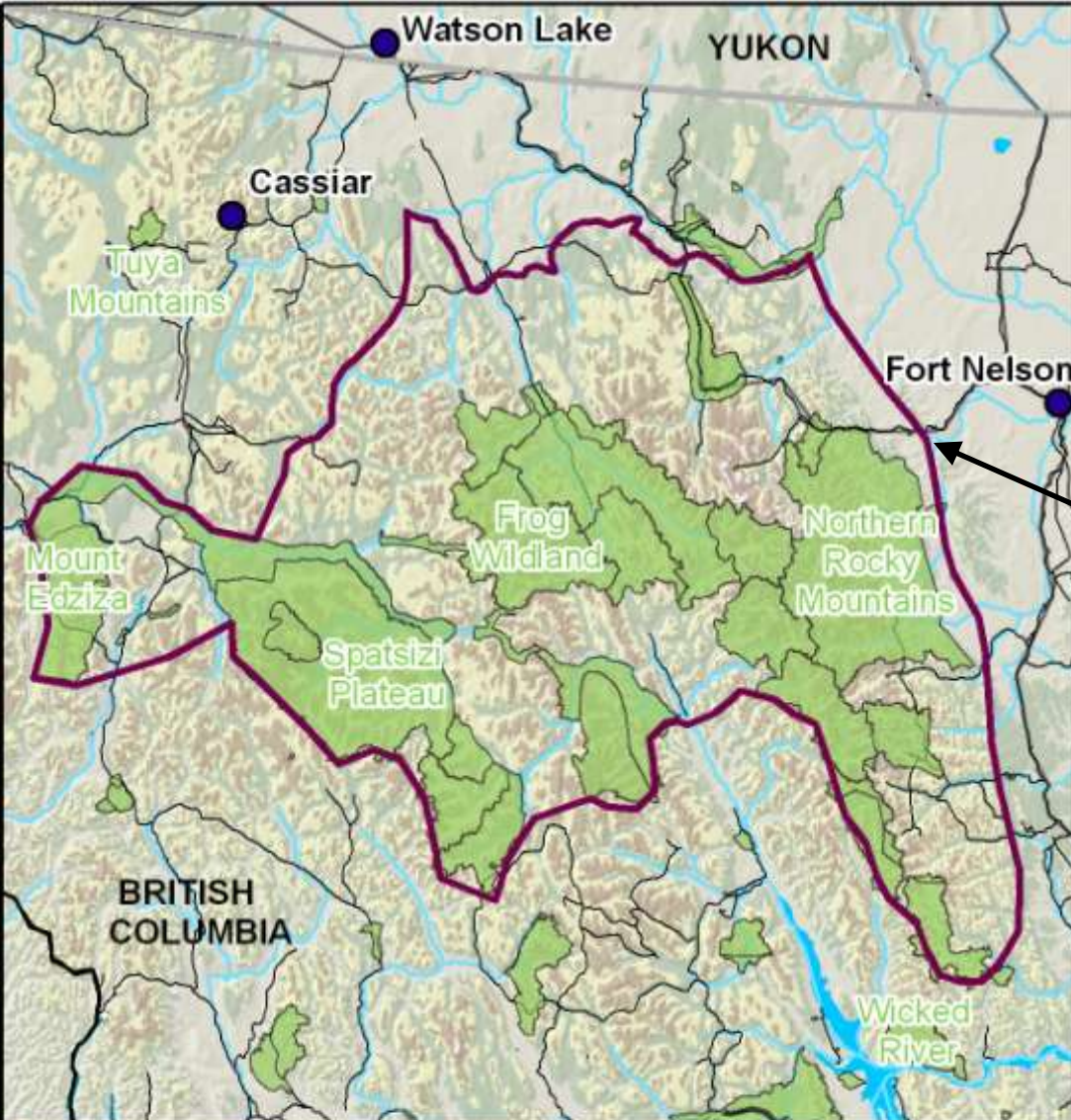
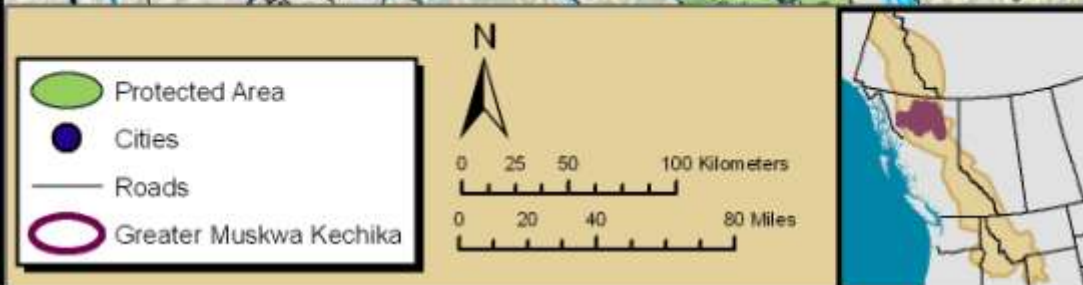


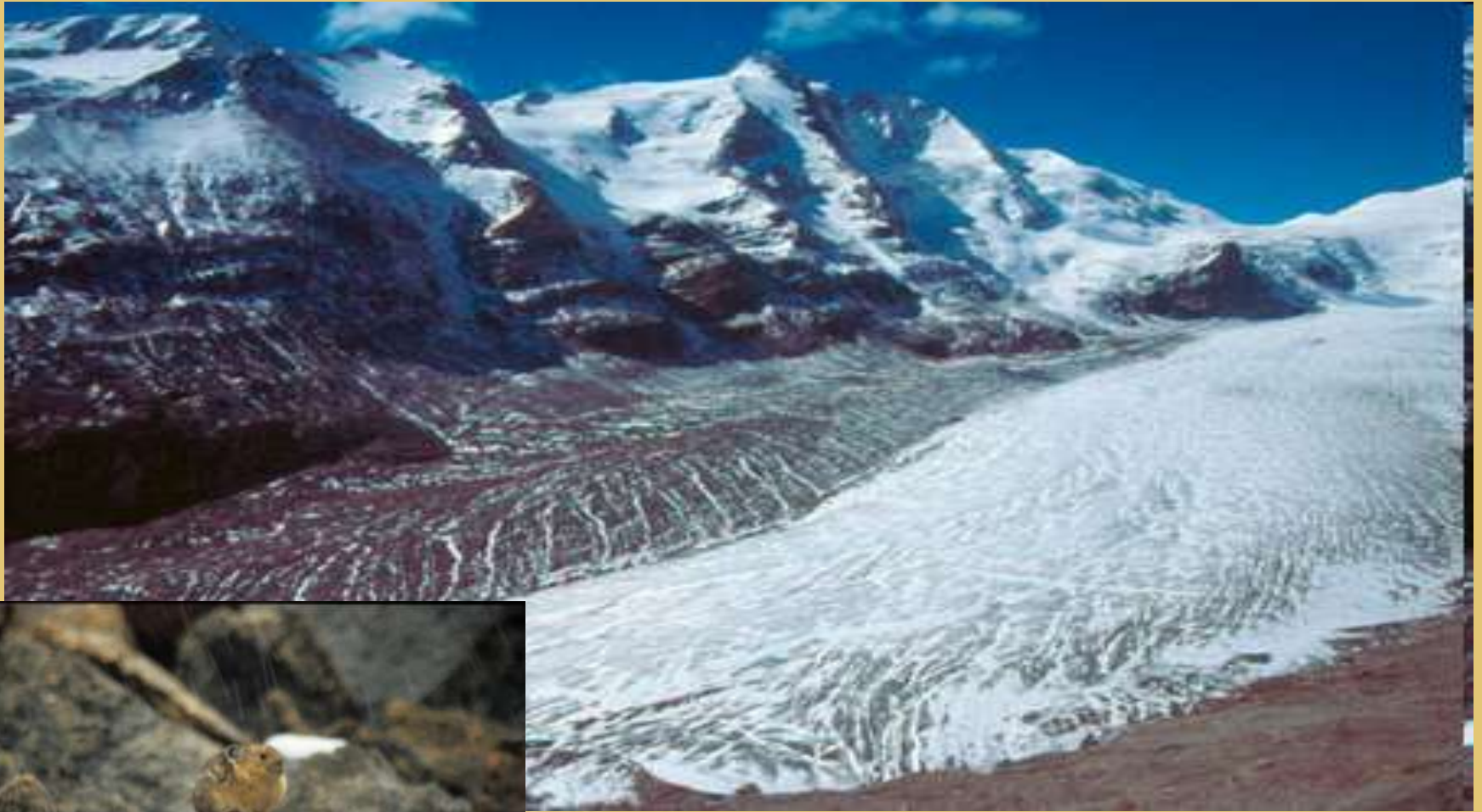
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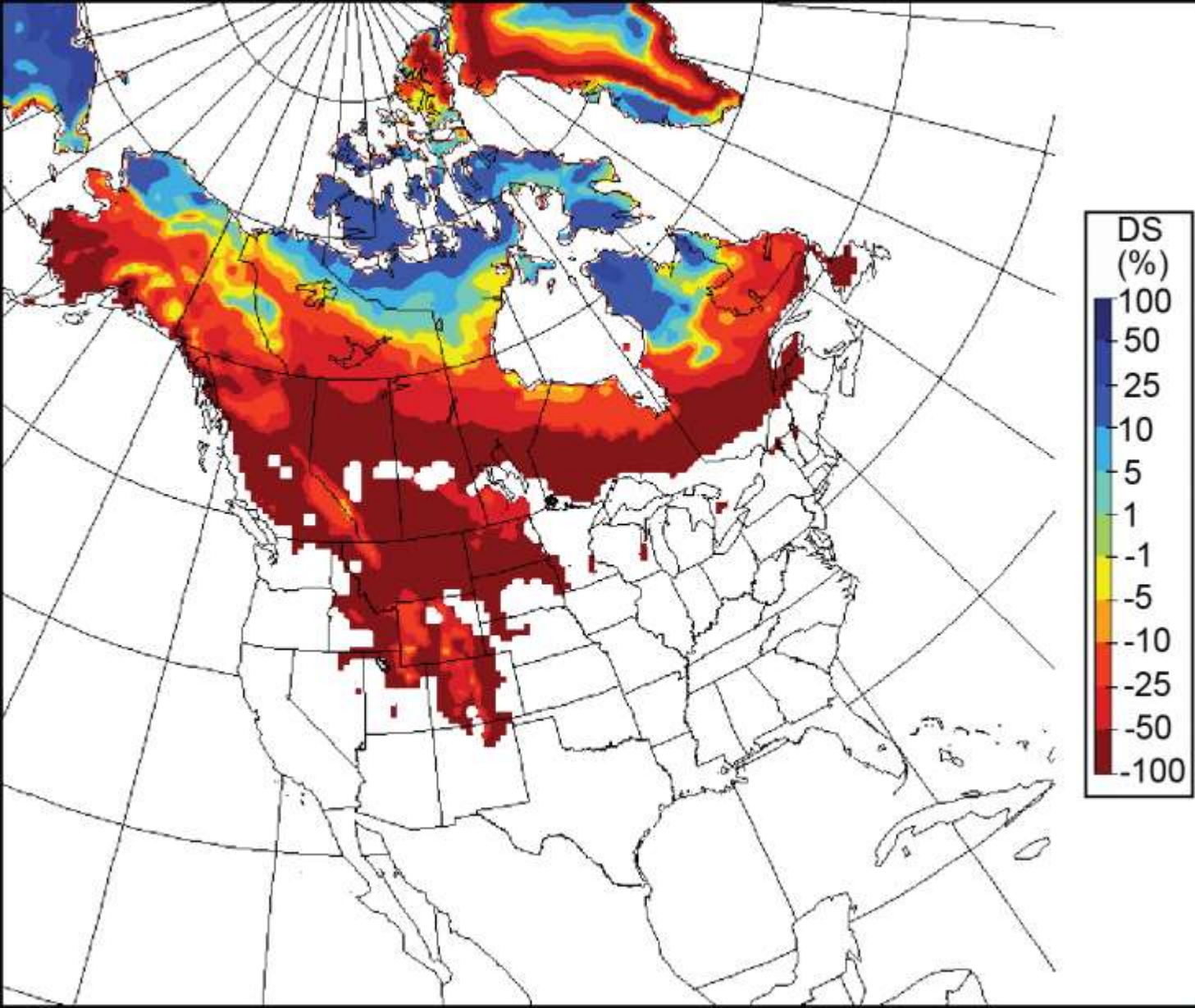




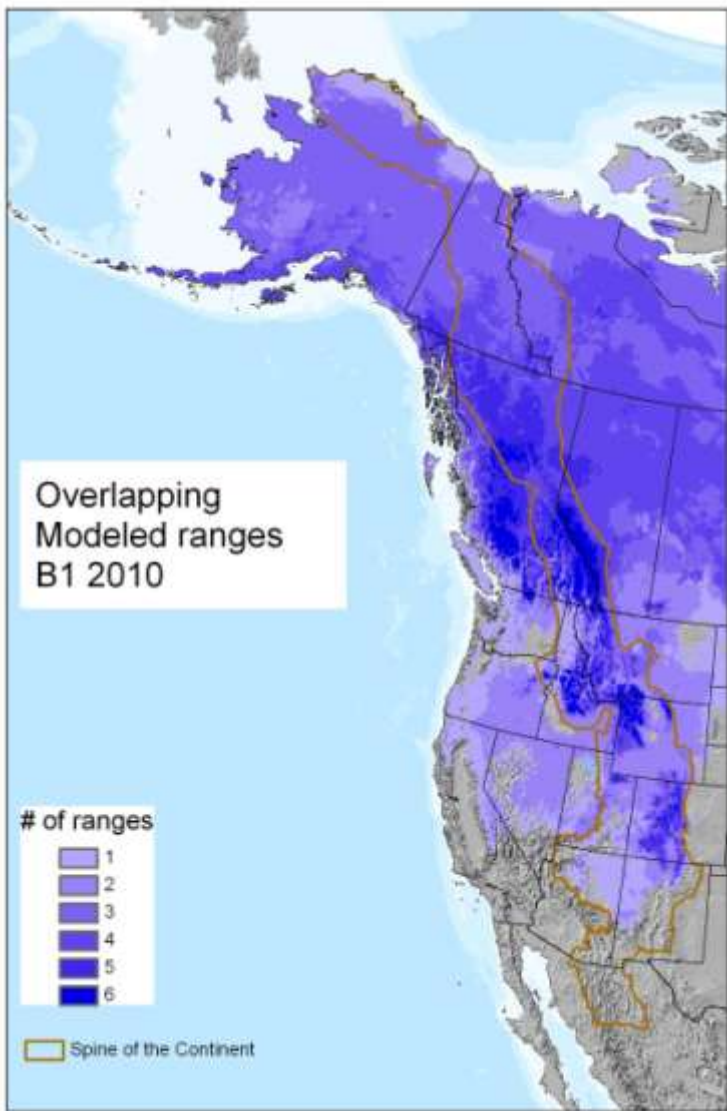
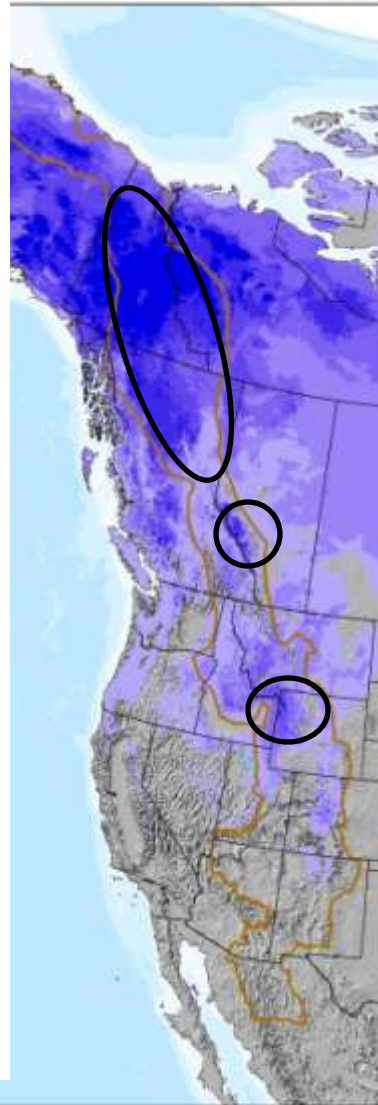
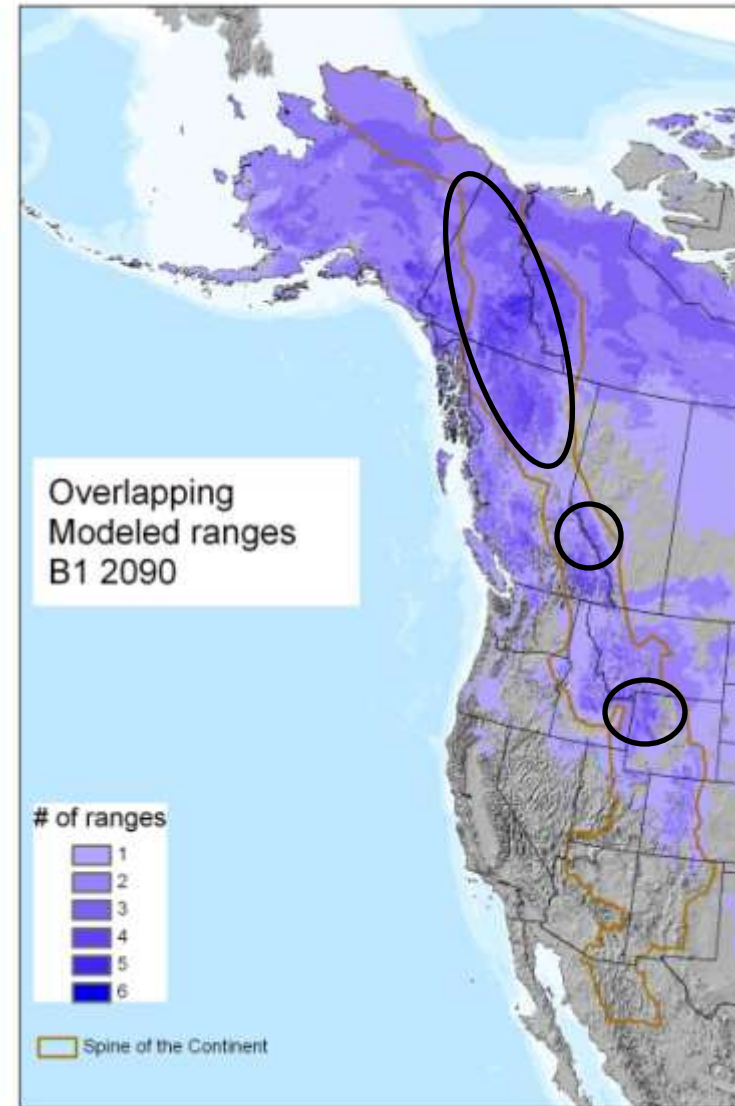
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Biodiversity Management in the Face of Climate Change: A review of 22 years of recommendations

Heller and Zavaleta (2009) reviewed 22 years of scholarly articles recommending measures to adapt conservation to climate change.

What they found:

- **Increasing landscape connectivity** emerged as the number one recommendation cited in 24 peer-reviewed papers.
- The strategy of **mitigating the threat of fragmentation** was highly recommended in 17 papers.
- Thirteen papers recommended **increasing the number core protected reserves**.
- **Improved interagency coordination and cooperation** was proposed in 12 papers.
- The authors of 11 papers cited **protecting large core areas** and **increasing the size of protected areas** as a major strategy.

Heller, Nicole E. and Erika S. Zavaleta, (2009) 'Biodiversity Management in the Face of Climate Change: A review of 22 years of recommendations', *Biological Conservation*, vol 142, pp14-32
December 2, 2009

Opportunities for the Y2Y context to support climate adaptation in B.C.



- Thinking/acting at the right scale
- Managing for multiple objectives
 - Biodiversity conservation
 - Climate adaptation
 - Ecosystem resilience
 - Climate mitigation
- Protecting core habitats
- Focusing on connectivity between protected cores

Implementing the Y2Y Vision

- Public land managers
- Industrial land managers
- Collaborative strategies
- Shared resources
- Working together?





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