

Effects of environmental change on wildlife health in the Muskwa-Kechika

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UNBC-MKMB Partnership & Research Professorship



- Partnership since 1999
- Support and implement research that builds on the past and looks to the future in meeting educational, management, economic, and social needs of the M-KMA and northern British Columbia
- Endowment fund to support research





Research Questions

- How do prescribed burns influence recruitment, physiology, and health in stone sheep and elk?
- What factors are driving ungulate declines?
- How is/will climate change affect wildlife in the M-K?



Prescribed burn research

- Collaboration with Alicia Woods, Ridgeline Wildlife Enhancement
- Examine effects of prescribed burns on sheep and elk health (stress and reproductive hormones in pellets and urine), diet (pellets), and recruitment



Research Questions

- How do prescribed burns influence recruitment, physiology, and health in stone sheep and elk?
- What is driving ungulate declines?
- How is/will climate change affect wildlife in the M-K?



Goals for 2021

- Learn more about research priorities in the M-K
- Meet with Kaska Dena, Treaty 8, and Carrier-Sekani Nations to discuss research priorities, existing programs, and potential for collaboration on wildlife research
- Discuss research questions with various groups (e.g., Northeast 7B Wildlife Round Table, others)



Discussion

- Research questions?
- Who to talk with?

