



Native Prairie Speaker Series

Presentation: Ferruginous Hawk habitat and nesting ecology in southern Alberta and Saskatchewan

Speaker: Janet Ng, Ph.D. candidate, Department of Biological Sciences, University of Alberta

Biography:

Janet has expertise in ecological modeling, focusing on landscape ecology, habitat use, reproductive performance, and cumulative effects. Janet received her Bachelor of Science from the University of Alberta, Master of Science from the University of Regina, and her Doctorate in Philosophy from the University of Alberta. Her PhD work, under the supervision of Dr. Erin Bayne and Dr. Troy Wellicome, evaluated the cumulative effects of land use and climate change on Ferruginous Hawks habitat use and reproduction. Working with provincial and federal recovery teams, industry stakeholders, landowners, and environmental non-profits, Janet has used her research results to develop management tools that can be applied to conservation and

Presentation Summary:

Ferruginous Hawks are a species at risk and face multiple threats. Understanding the influence of landscape and climate change is critical for developing conservation and recovery plans. We developed habitat and reproduction models to evaluate how landscape and climate influence Ferruginous Hawk ecology. We used our results to develop predictive maps that could be used for prioritizing conservation and identifying avoidance zones for development to reduce risk to Ferruginous Hawk. Results from our evaluation of artificial nest platforms on nesting ecology will also be summarized.

recovery of Ferruginous Hawks in Canada. Janet has worked with a number of wildlife species in different sectors, including environmental non-profits and environmental consulting.

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This project was undertaken with the financial support of:
Ce projet a été réalisé avec l'appui financier de :



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