



Saskatchewan
Prairie Conservation
Action Plan

Native Prairie Speaker Series Webinar

Intersexual Differences in Roost-site Use by Little Brown Myotis in Cypress Hills, Saskatchewan



Wednesday December 17th, 2025 at 12:00pm

Speaker: Emma Blanken, recent Master of Science (Biology) Graduate, University of Regina

Register Free: https://us02web.zoom.us/webinar/register/WN_ByY1Pt1HSG22AFBaFnY-1g
Or <https://shorturl.at/P5j8T>

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More Information: SK PCAP at 306.352.0472 or pcap@sasktel.net

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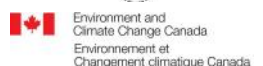
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About this Webinar:

Roosts are critical to the survival and reproductive success of forest-dwelling bats. While most research on *Myotis lucifugus* (Little Brown Myotis) emphasizes reproductive females, including nonreproductive individuals may better reflect the species' flexible roosting habits. We used radiotelemetry to examine summer roost selection by nonreproductive females and males in Cypress Hills, Saskatchewan. Both sexes used *Picea glauca* (White Spruce) and anthropogenic structures and exhibited frequent roost switching. Females alternated between maternity-associated structures and trees, while males preferred short, decayed spruce with large diameters. These findings highlight sex-based differences in roost use among nonreproductive individuals and support the need for diverse roosting options in conservation planning.

About the Speaker:

Emma Blanken earned her Bachelor of Arts degree from the University of Colorado Boulder, where she triple majored in Ecology and Evolutionary Biology, English, and Psychology. She moved to Regina to complete her Master of Science in Biology at the University of Regina. After finishing her degree, she worked with Nature Conservancy Canada before returning to Colorado, where she now works with Boulder County Parks and Open Space.

PCAP's Native Prairie Speaker Series is a monthly webinar about prairie conservation or species at risk.

Hosted by: Caitlin Mroz-Sailer, Stewardship Coordinator, Saskatchewan Prairie Conservation Action Plan

We respectfully acknowledge that we are on the traditional territories of many Indigenous Nations and communities, past and present. For a millennia, they have worked to protect these landscapes and the life these areas sustain. I would like to thank these original caretakers, and acknowledge the ongoing work and presence of Indigenous Peoples in Canada today.