

BOREAL SHIELD HABITAT STUDY

The Athabasca Basin is located in the Boreal Shield of Saskatchewan and is known to be home to a variety of wildlife including bears, wolves, and woodland caribou. While high-value woodland caribou habitat falls outside the boundaries of Denison's exploration and evaluation activities, Denison has invested in the study of woodland caribou habitat and the impact historic activities have had on the wildlife in the region.

Denison's investment has increased our understanding of how wildlife behave in the region. For example, the study has confirmed that linear landscape disturbances, such as power corridors, exploration seismic lines and roads, are used by predators and prey alike to move around the forest with greater ease and likely increase predator hunting efficiency and potential impact on prey populations.

Denison Mines has worked with Omnia Ecological Services to conduct research on linear feature use by predators and prey in the Athabasca Basin, with a goal to disrupt the current predator/prey movements and resulting increased predator impacts.

Additional engagement was undertaken with a local trapper, to gain input and feedback on specific treatment options and reclamation efforts.

The Province of Saskatchewan is establishing area specific range plans to mitigate impacts to Woodland caribou, however no guidance currently exists for the Boreal Shield portion of Saskatchewan, in which the Wheeler River Project resides. Denison has proactively initiated research in advance of government developed standards to provide valuable field-based research on the success/failure of treatments applied and areas reclaimed.

The results of this study are expected to allow Denison to develop meaningful mitigation strategies with respect to potential impacts of its operations, particularly as the Wheeler River Project progresses.

Pictured below: moose and lynx using the same seismic line cut, one day apart

