



Sunny Tseng <sunnyyctseng@gmail.com>

More infographics

Laura Finnegan <lfinnegan@firesearch.ca>

Wed, Apr 26, 2023 at 10:48 AM

To: "sunnyyctseng@gmail.com" <sunnyyctseng@gmail.com>, Tracy McKay <tmckay@firesearch.ca>

Hi Sunny

Below are some ideas for the wording for this infographic from Ben, our communications lead 😊

[Title]

Predator-prey co-occurrence in harvest blocks: Implications for caribou and forestry

The paper title is already pretty good. I would keep it if we are targeting sciency people, or else rephrase "co-occurrence" for non-sciency people. Could also just state the results/implications such as:

- *Predators and prey in cutblocks: implications for caribou and forestry*
- *What draws deer, elk, moose, and bears to cutblocks*

[Introduction]

Forest harvesting affects ungulate prey species and their predators, with cascading impacts on other species, including threatened woodland caribou. We investigated the attributes of harvest blocks associated with the occupancy of ungulates and predators, to inform management practices to limit the distribution and overlap of ungulates and predators within caribou ranges.

This can be cut down a lot. The 2nd sentence isn't all that useful because it is largely repeating what is already implied by the title, methods, and results. What about:

- *Moose, deer, and elk are apparent competitors for caribou because they draw predators. Forestry in caribou ranges amplify this effect. We tried to find out how to dampen it.*

[Methods]

Camera traps and vegetation data. Species include ungulates (deer, elk, and moose), and predators (bears, cougars, and wolves)

Could cut altogether. If the purpose of the IG is to tell people the results, then it isn't needed. If you keep it, it might be a bit more clear to say:

- *Trail cameras record deer, elk, moose, bears, cougars, and wolves. We relate wildlife occurrence to cutblock characteristics.*

[Results]

1. Occupancy of deer and moose was higher in summer than in winter.
2. Occupancy of deer, elk, moose, and bears was linked to forage species, silviculture practices, and deciduous forest and forest age in the surrounding area.
3. Occupancy of bears was higher in harvest blocks where deers were present, and bear-deer co-occurrence was influenced by silviculture practices and anthropogenic disturbance.

[Conclustion]

Silviculture practices used to control forage availability could reduce the use of harvest blocks by ungulates, with the potential to reduce the overlap of ungulates and predators within caribou ranges.

I like the first part, but the second half is a bit vague. Could try something like:

- *... by ungulates, which could reduce the predation risk for caribou.*

[Quoted text hidden]