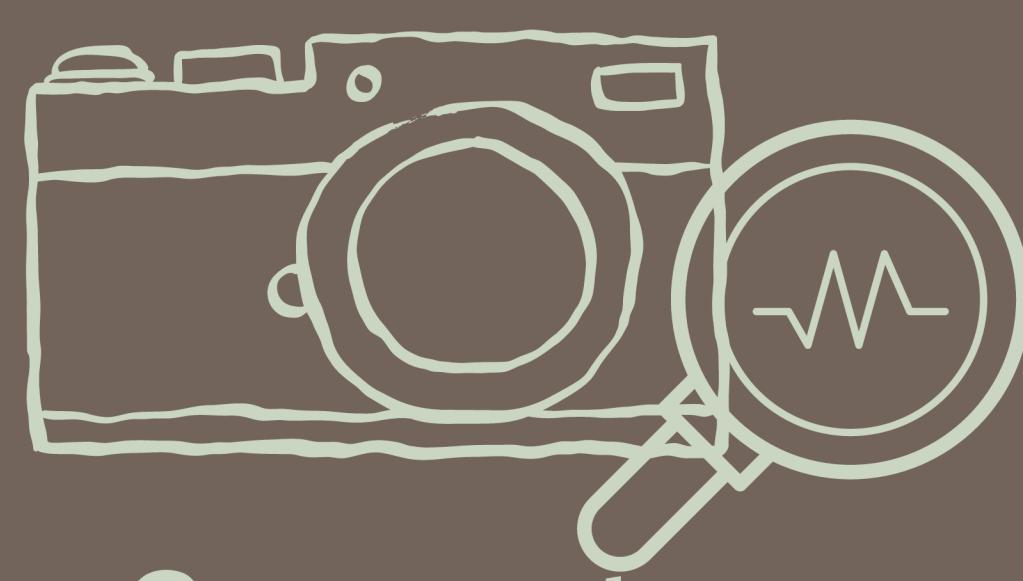


Influence of Moose Behaviours on the Risk of Moose-Vehicle Collision

Candyce E. Huxter, Roy V. Rea, Ken A. Otter, and Gayle Hesse
Applied Animal Behaviour Science, volume 275 (2024)

Moose often visit roadside mineral licks to consume highway de-icing salts, bringing them close to traffic and increasing the risk of collisions. By using camera trap video data to understand moose behaviour at these sites, we can learn what moose do at licks when alone, with other moose, and in response to traffic.



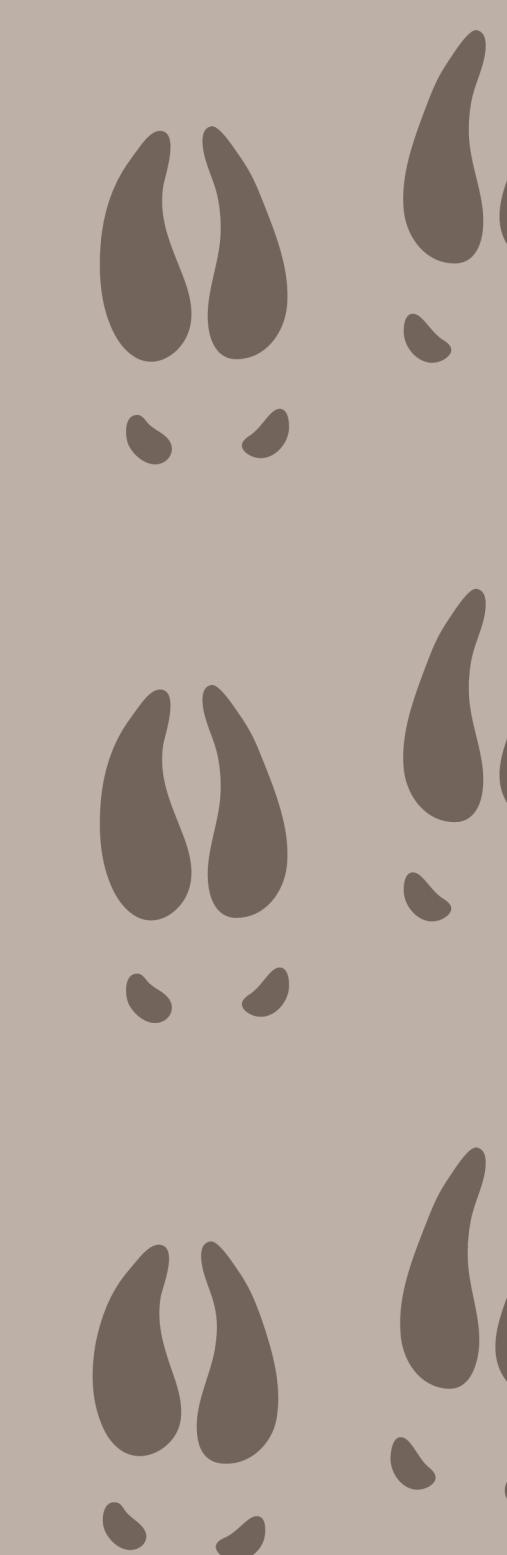
Camera trap



Roadside mineral licks

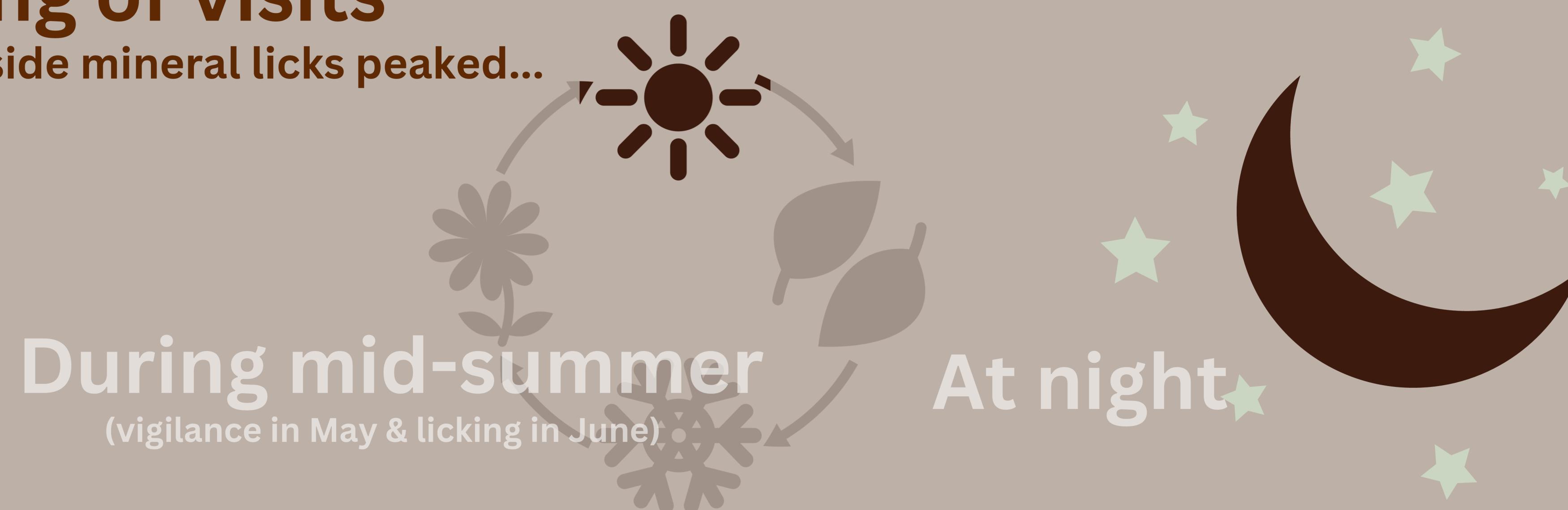


Common behaviours that moose exhibited were...



Timing of visits

to roadside mineral licks peaked...



During mid-summer
(vigilance in May & licking in June)

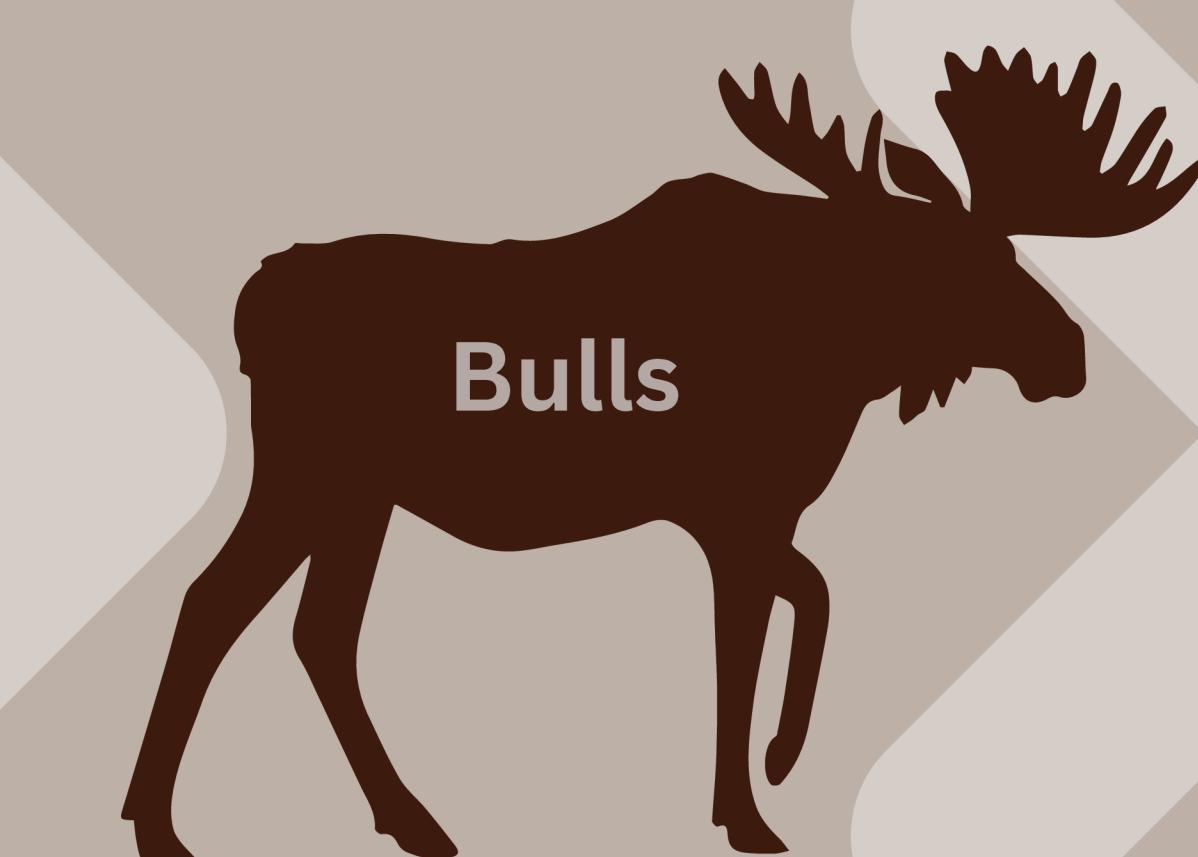
At night

Who stayed

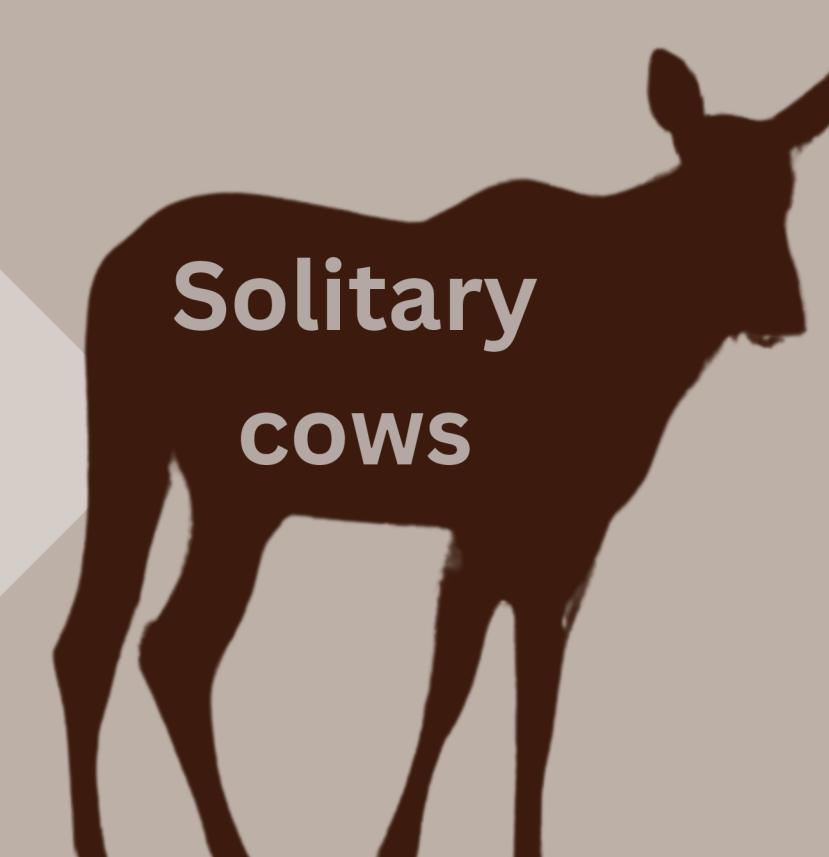
at roadside mineral licks longest per visit



Cows with calves



Bulls



Solitary cows

Moose visits to roadside mineral licks, especially at night in mid-summer, increase the risk of moose-vehicle collisions. Understanding behaviours of moose at roadsides can help road safety planners develop appropriate mitigation measures to reduce collision risk