WHO USES CALGARY PARKS?

CHECK OUR CALGARY CAPTURED RESULTS FROM YEAR I



As Calgary continues to develop, information on urban wildlife is needed to maintain biodiversity. The Calgary Captured program aims to monitor wildlife across multiple years through remote cameras placed in natural environment parks and ecological corridors. Calgary Captured provides insights into wildlife presence, movement and responses to development. The information gathered will facilitate better development and management decisions to protect and enhance Calgary's biodiversity.

Our preliminary findings include urban wildlife data collected on camera-traps from May 2017 to May 2018. Wildlife was present in all study areas. This may not surprise you, but there are a lot of deer, coyotes and hare that call Calgary home – these species have learned to adapt to urban living. Species distribution across natural areas varied; deer and coyote activity was found at the majority of sites while moose activity was restricted to natural areas close the city boundary.

Species recorded in each study area from camera deployment in May to June 2018 through May 31, 2018. Note that if cameras didn't detect a species during this time range, it does not necessarily indicate the species is not present in the park.



SPECIES (total events recorded across all cameras)	Fish Creek PP	Weaselhead	Griffith Woods	Edgemont	Edworthy	South Glenmore	North Glenmore	Bowmont	Confluence	豆	Ralph Klein	Tom Campbell	Haskayne	Inglewood	Paskapoo	41
	Fish	Wear	Griff	Edge	Edwa	Sout	Nort	Bowl	Conf	Nose Hill	Ralpl	Tom	Hask	Ingle	Pask	HID241
Human (11,861)																
White-tailed deer (3,568)																
Domestic dog (1,754)																
Coyote (1,013)																
Mule deer (1,466)																
Hares and feral bunnies (408)																
Squirrels (703)																
Porcupine (49)																
Bobcat (37)																
Moose (15)																
Red fox (9)																
Skunk (8)																
Cougar (8)																
Weasel (3)																
Cattle (120)																
Raccoon (50)																
Beaver (4)																
Black bear (3)																
Marten (2)																
Mink (1)																
Domestic cat (1)																

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NEXT STEPS

As additional years are added to the dataset, we expect a more accurate representation of urban wildlife presence and trends in Calgary will emerge.

Additional cameras were placed in two ecological corridors in winter 2019/2020 to validate wildlife connectivity models, and inform our knowledge of how urban wildlife respond to the built environment.



This map shows the wildlife activity rate in four classes. The darkest color squares represents the highest wildlife activity detected on cameras (top 25%).

WILDLIFE ACTIVITY RATE Activity rates for species recorded by wildlife camera-traps from May 2017 - May 2018 Legend Calgary Ring Road (Stoney Trail/Tsuut'ina Trail) Wildlife activity rate Increasing Sources: Esri, HERE, Garmin, Interme increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and Calgary natural areas the GIS User Community 10-1

WANT TO HELP OUT WITH CALGARY CAPTURED?

Citizen science is an important part of our data-gathering, and can increase eco-literacy and social capital needed to support investment in mitigation to improve wildlife movement.

Learn how to participate at: www.rockies.ca/imacalgarian/

CALGARY CAPTURED

is a collaborative partnership with the Miistakis Institute, the City of Calgary, Alberta Environment and Parks, Friends of Fish Creek Provincial Park Society and Weaselhead/Glenmore Park Preservation Society. Thank you to our citizen scientists for their contributions.

THANK YOU TO

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Citizens engaged in urban wildlife monitoring