



PronghornXing

Biodiversity Monitoring

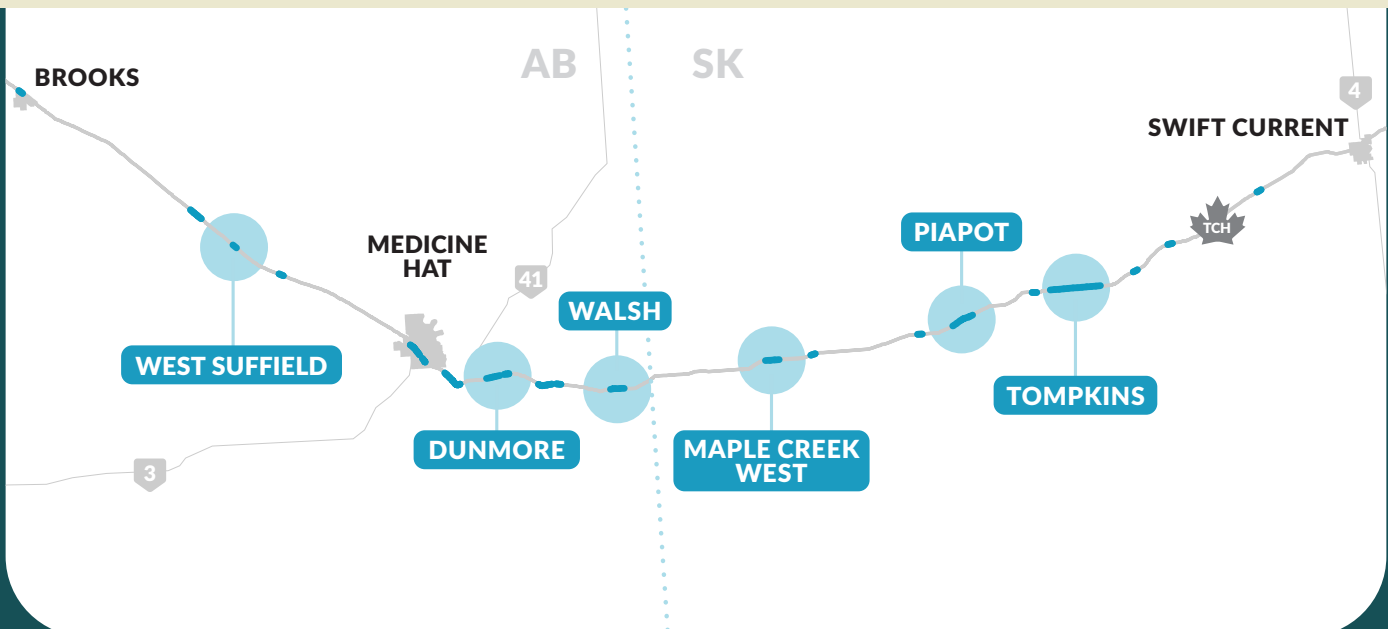


MAKING THE HIGHWAY A SAFE PLACE FOR WILDLIFE TO MOVE

Pronghorn rely on daily, seasonal, and migratory movements, but roads and fences can create barriers to movement.

Pronghorn Xing is proposing sites for overpasses and underpasses to allow the safe crossing of the Trans-Canada by pronghorn and other wildlife.

To understand what other wildlife would benefit from enhancement projects (underpasses and overpasses), we installed 24 remote cameras and 12 autonomous recording units at 6 high priority sites along the highway.





WHAT DID WE FIND?

Cameras detected 11 medium- to large-sized mammal species while ARU's detected 1 amphibian species and 138 bird species ranging from grassland specialists to aerial insectivores, waterfowl and shorebirds, birds-of-prey and generalists.

LANDOWNERS AND LEASEHOLDERS MADE THIS POSSIBLE

A special thank you to the **landowners and leaseholders** for permission to setup and monitor cameras and recording equipment between July 2024 and October 2025.



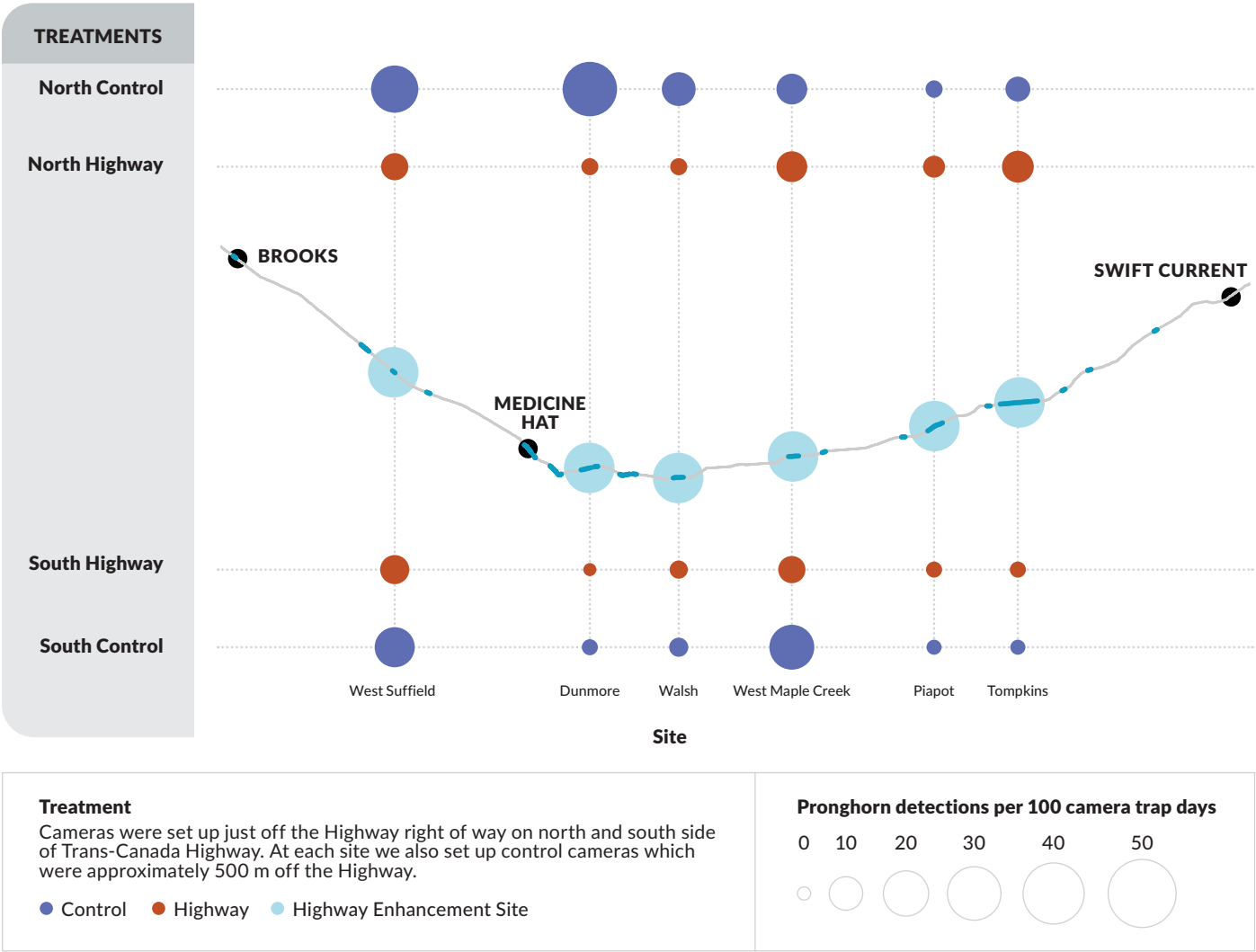
MAMMAL CAMERA DETECTIONS ALONG THE TRANS-CANADA IN ALBERTA AND SASKATCHEWAN

SPECIES	DETECTIONS	%
 Domestic Cattle	1,631	44
 Pronghorn	670	18
 Coyote	596	16
 White-tailed Deer	413	11
 Human	181	5
 Red Fox	106	3
 American Badger	47	1
 Mule Deer	19	< 1
 Striped Skunk	7	< 1
 Common Raccoon	6	< 1
 Domestic Donkey	6	< 1
 Domestic Dog	5	< 1
 Unidentified Mammal	5	< 1
 Long-tailed Weasel	4	< 1
 Porcupine	4	< 1
 Domestic Horse	3	< 1
 Moose	1	< 1%

BIRDS DETECTED ON RECORDING EQUIPMENT ALONG
THE TRANS-CANADA IN ALBERTA AND SASKATCHEWAN

SPECIES (COMMON NAME)		SITES DETECTED (OUT OF 6)	
ENDANGERED	Chestnut-collared Longspur	6	
	Bank Swallow	3	
THREATENED	Barn Swallow	5	
	Ferruginous Hawk	3	
	Lark Bunting	5	
	Sprague's Pipit	6	
	Thick-billed Longspur	6	
SPECIAL CONCERN	Common Nighthawk	6	
	Evening Grosbeak	2	
	Great Plains Toad	5	
	Horned Grebe	1	
	Long-billed Curlew	6	
	Short-eared Owl	4	

PRONGHORN ACTIVITY BY SITE AND TREATMENT



WHAT ELSE DID WE FIND?

Some species like pronghorn, white-tailed deer, red fox and American badger **spend less time near the road.**

Mammal detections were highest in spring and fall, aligning with known migration and transitional movement periods for pronghorn and mule deer.

WHAT'S NEXT?

Our remote camera data confirm that the proposed enhancement sites are being used by more mammals than just pronghorn. We recorded a variety of species with diverse habitat needs and movement behaviours. **This suggests that crossing infrastructure designed for pronghorn will benefit many animals.**

PARTNERS

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Canadian Wildlife Federation
Miistakis Institute

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