

Photo by Don Dabbs, Saskatoon Barn Swallow family at Emma Lake

ROAD KILLS OF BIRDS AND MAMMALS IN SOUTHEASTERN ALBERTA

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A survey of road kills of birds and mammals in southeastern Alberta was made incidental to other field studies for the Canadian Wildlife Service during May, June, July and August of 1967. The survey was conducted by car on paved roads only, between latitudes 49° 00′ N and 54° 30′ N and longitudes 110° 00′ W and 114° 00′ W.

The number of avian and mammalian road kills observed during 10,154 miles of driving is recorded in Table 1. Richardson's Ground Squirrels were most commonly found, making up 71 per cent of all observed road kills. None of the other species constituted more than five per cent of the kills.

The monthly variation of road kills of the Common Crow, Richardon's Ground Squirrel, Muskrat, and Striped Skunk observed per 1,000 miles driven in southeastern Alberta is shown in Table 2. Those four species were most commonly found, with at least 50 kills being observed for each. The large number of road kills of Richardson's Ground Squirrels in July is probably related to the greater number of animals present at

that time as well as the increased highway traffic. The large kill of crows in July can be explained by the presence of young crows and by the occurrence on roads of many dead Richardson's Ground Squirrels which the crows feed upon. Muskrats wander extensively in the spring (Paul Errington, 1963. Muskrat populations. Iowa State University Press, 665 pp.), hence the large kill of that species in May. Many young Striped Skunks were observed as vehicle casualties in July and contributed to the increase in road kills of skunks during that month.

Table 2. Number of road kills observed for four species per 1,000 miles driven in southeastern Alberta during May, June, July and August, 1967.

	Numl	ber	of roa	d kill	ls per
Species			miles		
			June		
Common Cre	wc	0	1	24	12
Richardson's					
Ground					
Squirrel		42	169	323	68
Muskrat		12	2	3	5
Stringd Skun	k	4	4	q	6

June, 1968

er of Road Kills of Ma	mmals and Birds recorded in	Alberta in May, June, July and Au
road kills	Species road kills	Species road kills
H	Franklin's Gull Bonaparte's Gull Black Tern	Red-winged Blackbird Blackbirds (unidentified) Chestnut-collared Longspur Longspurs (unidentified)
$\begin{array}{c} 27 \\ 23 \\ 1 \end{array}$	Doves Mourning Dove	
0000H40	OwlsGreat Horned Owl3Burrowing Owl1Long-eared Owl1Short-eared Owl3	MAMMALS n's Ground Squirrel16
11201	thawk	Lagomorphs White-tailed Jack Rabbit Snowshoe Rabbit Hares (unidentified)
$\frac{1}{10}$	Passerines Eastern Kingbird Horned Lark Barn Swallow Cliff Swallow 6	9
$\begin{array}{ccc} 1 & 1 \\ 29 & 21 \end{array}$	Black-billed Magpie 30 Common Crow 104 American Robin 4 Starling 4 House Sparrow 2 Western Meadowlark 9 Yellow-headed Blackbird 1	Ungulates White-tailed Deer 1 Domestic Cat 37 Dog 37
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