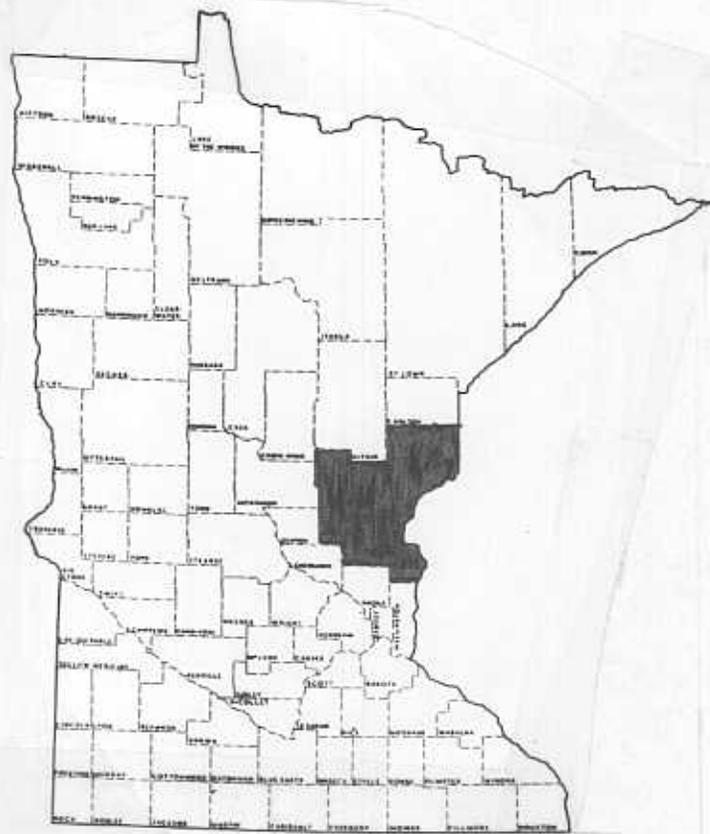


**GUIDE TO THE NONGAME**

**MAMMALS OF**

**EAST CENTRAL MINNESOTA-**

**REGION 3E**



**MINNESOTA**

**DEPARTMENT OF**

**NATURAL**

**RESOURCES**

September 1, 1979

Guide to the Nongame Mammals of East Central Minnesota

Region 3 - East

By Carrol Henderson and Julie Reitter

This preliminary guide has been prepared as a reference to the occurrence and distribution of nongame mammals of Region 3 East in east central Minnesota. Taxonomy is based on Jones, et al., (1975). Identification marks are described in Burt and Grossenheider (1964).

Game mammals have not been included in this summary.

Counties in this region are Mille Lacs, Kanabec, Pine, Isanti, and Chisago. Figure 1 is a map of Region 3 East.

Table 1 is a species list of the nongame mammals of Region 3 East.

TABLE 1 - Nongame Mammals of Region 3 East

Marsupials

Virginia opossum - A

Insectivores

Masked shrew  
Arctic shrew  
Northern water shrew  
Pygmy shrew  
Short-tailed shrew  
Star-nosed mole  
Eastern mole

Bats

Little brown bat  
Keen's little brown bat\*  
Silver-haired bat (?)  
Eastern pipistrelle (?)\*  
Big brown bat (?)\*  
Red bat  
Hoary bat (?)

Carnivores

Marten\*  
Short-tailed weasel  
Least weasel\*  
Long-tailed weasel\*

Carnivores (cont.)

Spotted skunk (?)\*  
Striped skunk  
Coyote  
Gray wolf\*  
Cougar (?)\*

Squirrels

Woodchuck  
Thirteen-lined ground squirrel  
Franklin's ground squirrel  
Eastern chipmunk  
Least chipmunk (?)  
Southern flying squirrel\*  
Northern flying squirrel (?)\*  
Red squirrel

Other Rodents

Plains pocket gopher  
Plains pocket mouse (?)  
Deer mouse  
White-footed mouse  
Southern bog lemming  
Gapper's red-backed vole  
Meadow vole  
Prairie vole (?)  
Meadow jumping mouse

Other Rodents (cont.)

Woodland jumping mouse  
Porcupine  
House mouse (E)  
Norway rat (E)

Ungulates

American Elk

Key

- \* - Priority species - reports needed
- \*\* - Priority species - known only from this region
- E - Exotic species
- ? - Hypothetical species
- A - Accidental species
- X - Extirpated species

A total of 36 nongame mammal species are found in Region 3 East. The silver-haired bat, eastern pipistrelle, big brown bat, hoary bat, spotted skunk, cougar, least chipmunk, southern flying squirrel, northern flying squirrel, plains pocket mouse, and prairie vole are hypothetical species.

The Virginia opossum and American elk represent accidental occurrences.

The house mouse and Norway rat are the only two exotic species.

Priority Species

There are no species which are found only in this region of Minnesota.

Priority species for which more data is needed are the Keen's little brown bat, marten, least weasel, long-tailed weasel, and gray wolf.

Threatened and Endangered Species

The gray wolf is officially considered a threatened species.

Data Collection

If you encounter any new county records, be sure to record the date, county, township, range, section number (or distance and direction from the nearest town) and habitat in which the animal was found. Note all identifying features which distinguish that species from similar ones. Photographs or plaster casts of tracks are important for rare species like cougars. Small mammal skulls should be retained to help verify new county records.

Mammal records should be sent to the Nongame Supervisor, Department of Natural Resources, Box 7, Centennial Bldg., 658 Cedar St., St. Paul, Minnesota 55155.

County Records

County records for this region are given in Table 2.

SECTION  
FOX RIVER POND

TABLE 2 - County Records of Nongame Mammals of Region 3 East

	MILLE LACS	KANABEC	PINE	ISANTI	CHISAGO
Virginia Opossum				X4	
Masked Shrew	X6-		X6-	X6+	X2
Arctic Shrew				X6+	X2
Northern Water Shrew			X6+		
Pygmy Shrew			X6+	X8	X2
Short-tailed Shrew			X6+		X2
Star-nosed Mole			X6+		X6+
Eastern Mole	X8				
Little Brown Bat			X6+		
Keen's Little Brown Bat			X6-		
Silver-Haired Bat					
Eastern Pipistrelle					
Big Brown Bat					
Red Bat			X6+		
Hoary Bat					
Marten	X4				
Short-tailed Weasel	X6+		X6+	X6+	X2
Least Weasel			X6+		
Long-tailed Weasel				X6+	
Spotted Skunk					
Striped Skunk		X6-	X6-	X6-	X6-
Coyote	X4	X4, 6-	X4, 6+	X4	X4
Gray Wolf			X4		

	MILLE LACS	KANABEC	PINE	ISANTI	CHISAGO
Cougar	X4(?)		X4		X6
Woodchuck	X6-		X6+		
Thirteen-lined Ground Squirrel			X6+	X4	X4
Franklin's Ground Squirrel			X4		
Eastern Chipmunk	X6-		X6+		
Least Chipmunk					
Red Squirrel			X6-	X6+	
Southern Flying Squirrel	X8				
Northern Flying Squirrel			X6-		
Plains Pocket Gopher					X2, 6+
Plains Pocket Mouse					
Deer Mouse			X6+	X6+	X2
White-footed Mouse			X6+	X6+	X2
Southern Bog Lemming			X6+		
Gapper's Red-backed Vole			X6+	X6+	X2
Meadow Vole			X6+	X6+	X2
Prairie Vole					
Norway Rat					
House Mouse					
Meadow Jumping Mouse			X6+		X2
Woodland Jumping Mouse			X6+		
Porcupine	X8		X4, 6-, 8		
American Elk		X4			

LITERATURE CITED

- X-2 Birney, E.C. and Gerda E. Nordquist 1978. The importance of peatland habitats to small mammals in Minnesota. Mimeo. 52 pp.
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- X-8 Heaney, L.R. and E.C. Birney 1975. Comments on the distribution and natural history of some mammals in Minnesota. Canadian Field Nat. 89:29-34
- X-9 Jones, J.K. Jr., D.C. Carter and H.H. Genoways 1975. Rev. checklist of North American Mammals North of Mexico. Occ. Pap. Mus. Texas Tech. Univ. 28:1-14