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**AN INDEX TO**  
**MONTANA WILDLIFE**  
**LITERATURE**  
**1950-1976**



**MONTANA DEPARTMENT OF NATURAL RESOURCES**  
**AND CONSERVATION**

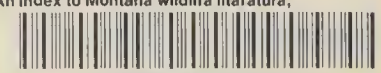
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An index to Montana wildlife literature,



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AN INDEX TO MONTANA WILDLIFE LITERATURE  
1950 - 1976

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WILDLIFE ECOLOGIST

RESEARCH REPORT NO. 1  
ENERGY PLANNING DIVISION  
MONTANA DEPARTMENT OF NATURAL RESOURCES & CONSERVATION  
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## INTRODUCTION

Wildlife researchers in Montana are often faced with the problem of compiling available wildlife literature on a given portion of the state, whether as a literature review for future research, or as an inventory for environmental impact statement preparation or other purposes. This often entails a tedious literature search and examination of a great many non-target documents, as it is frequently impossible to derive the location of the area studied from a title or reference.

This index has been prepared to aid students and researchers in locating the recent technical literature on the wildlife of a given region within the state of Montana. Over 500 references are cited in this index; these have been limited to (1) unpublished master's and doctoral theses, (2) published monographs or technical reports, and (3) articles published in scientific journals which involve research on non-domestic terrestrial vertebrates conducted mostly or entirely within the state of Montana. With few exceptions, this index does not include: unpublished reports; EIS or contract reports; short published notes; publications dealing with techniques, behavior, laboratory studies, or studies on penned or captive animals; popular, general, or non-technical articles; or popularized summaries of technical studies which have been published elsewhere. Only references dated 1950 or later have been included. Bibliographies prepared by Mackie and Yeager (1966) on general wildlife literature and by Davis (1962, 1963a, and 1964) on ornithological literature are excellent sources of earlier material.

The wildlife studies included in the bibliography have been indexed as to (1) species or group of species studied, and (2) location of study area. The approximate study area outline for each reference is shown on one of several maps of the state. These maps have been arranged by species or in groups of species for convenience in locating studies on a particular animal. Studies encompassing the entire state are indicated on the bottom of the appropriate map under the heading "Statewide," along with the name of the species studied (if different from the map title). The author and year method of citation has been used throughout.

The numerous research publications of the Montana Department of Fish and Game (MF&G), including regional wildlife surveys and inventories, progress and completion reports, and special reports, provide a wealth of additional information on the biology and management of game animals. A map of MF&G administrative districts has been included in this index (Map No. 15). Publications originating in each of these districts are available in the files of the MF&G district headquarters, and have not been referenced here.

One of the most useful features of this index is the identification of areas in the state which need more study. It is readily apparent, for example, that there have been very few wildlife studies in eastern Montana, particularly in the northeastern corner of the state.

Recognizing that many good references might have been inadvertently omitted from this index, the author would appreciate hearing of any additions which would make it more complete. It is hoped that such additions will be incorporated into future editions of this publication.

#### ACKNOWLEDGMENTS

Many thanks are due to Eugene Allen, Clifford Davis, Ralph Driear, Robert Eng, Richard E. Johnson, Robert Moore, Bart O'Gara, Leslie Pengelly, and Philip Wright, who kindly reviewed the maps for completeness and provided many references. Don Breiby and Gordon Taylor of the DNR&C Cartography Bureau assisted with the graphics; Kathy McGee helped with typing of the bibliography.

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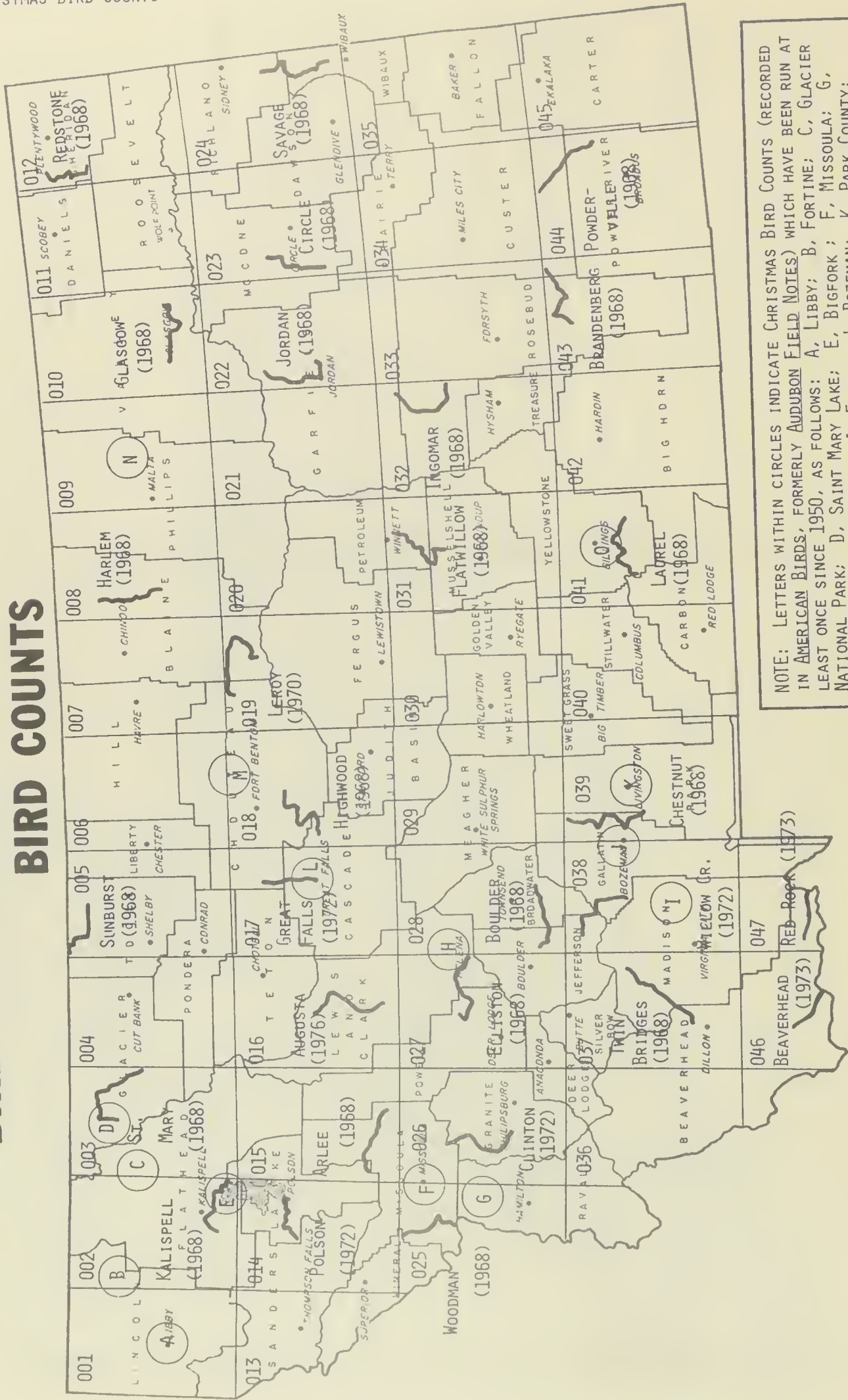






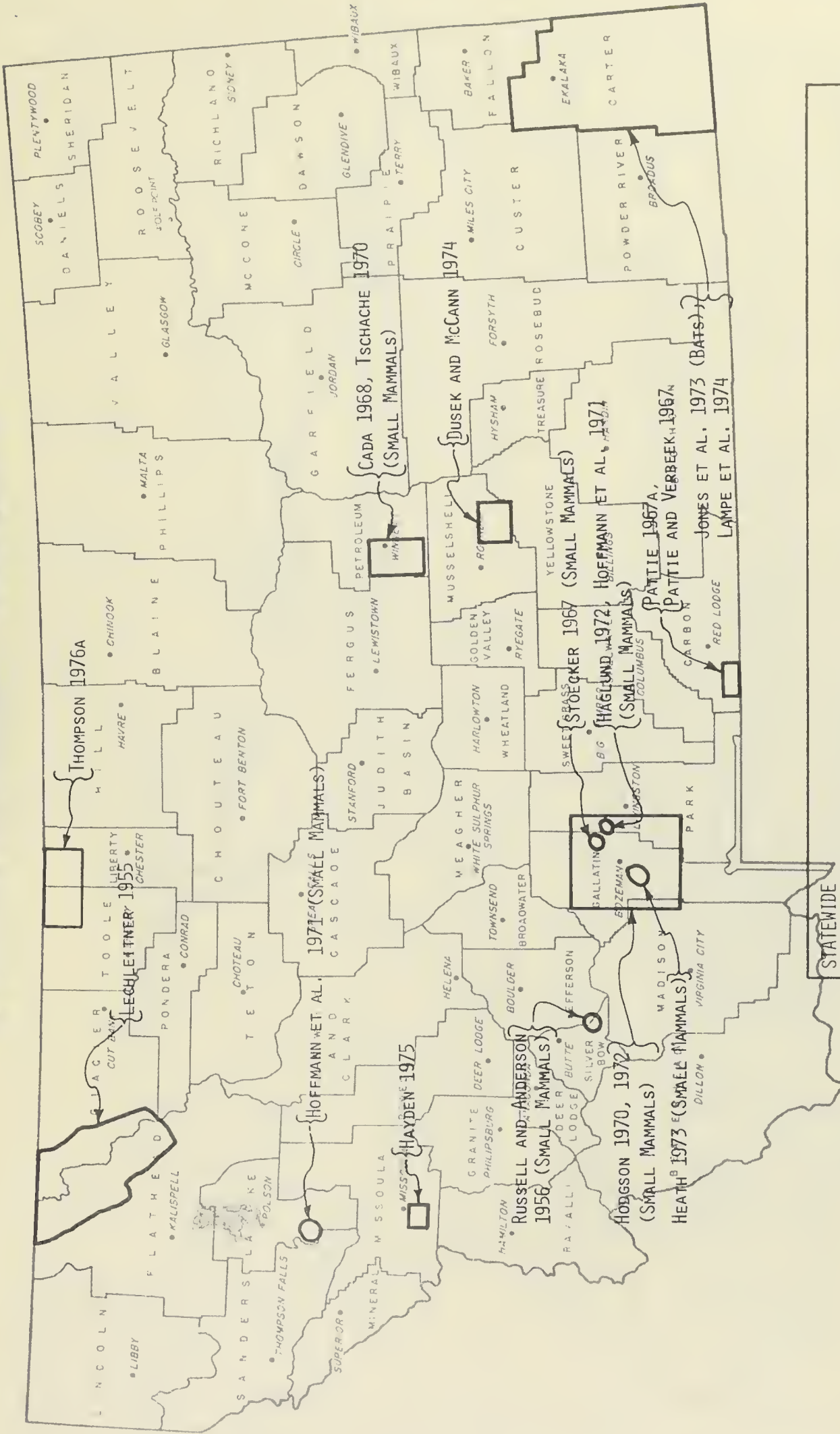


# U.S. FISH AND WILDLIFE SERVICE BREEDING BIRD SURVEY ROUTES AND CHRISTMAS BIRD COUNTS



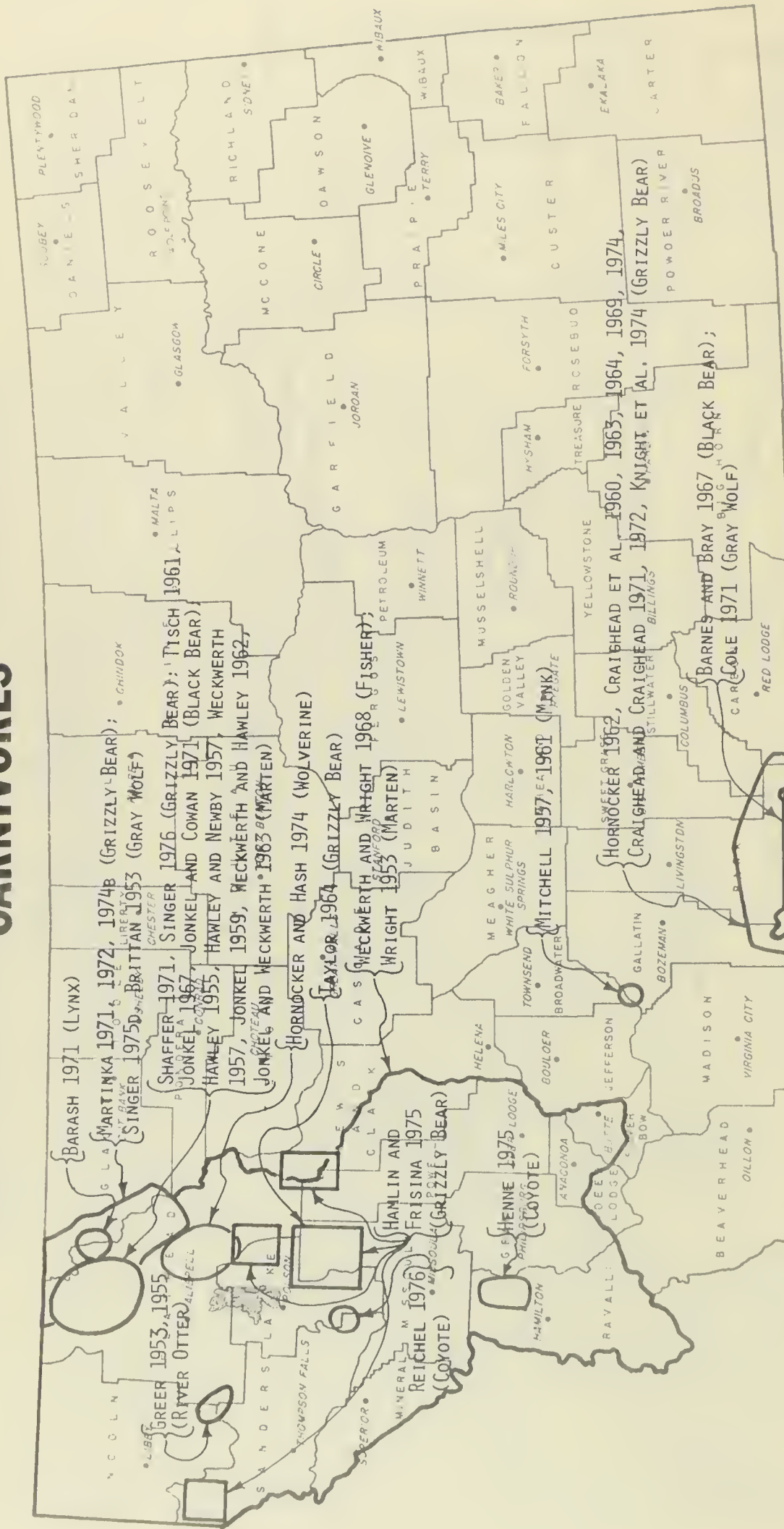
NOTE: LETTERS WITHIN CIRCLES INDICATE CHRISTMAS BIRD COUNTS (RECORDED IN AMERICAN BIRDS, FORMERLY AUDUBON FIELD NOTES) WHICH HAVE BEEN RUN AT LEAST ONCE SINCE 1950, AS FOLLOWS: A, LIBBY; B, FORTINE; C, GLACIER NATIONAL PARK; D, SAINT MARY LAKE; E, BIGFORK; F, MISSOULA; G, STEVENSVILLE; H, HELENA; I, ENNIS; J, BOZEMAN; K, PARK COUNTY; L, GREAT FALLS; M, VIRGELLE; N, MALTA; O, BILLINGS. DARK LINES ARE BREEDING BIRD SURVEY ROUTES. YEAR FOLLOWING NAME OF ROUTE IS FIRST YEAR ROUTE WAS RUN; MANY ROUTES HAVE NOT BEEN RUN EVERY YEAR SINCE THEY WERE BEGUN. METHODS USED IN THE SURVEY ARE DESCRIBED BY ROBBINS AND VANVELZEN (1969).

# REGIONAL FAUNAS: MAMMALS



HOFFMANN AND TABER 1959 (ALPINE MAMMALS), HOFFMANN AND PATTIE 1968, HOFFMANN ET AL. 1959 A&B

# CARNIVORES



**STATEWIDE**

**BLACK BEAR:** WECKWERTH 1971A

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**WOLVERINE:** NEWBY AND WRIGHT 1955, WRIGHT AND RAUSCH 1955, NEWBY AND MCDUGAL 1964

**BLACK-FOOTED FERRET:** YANNONE 1973

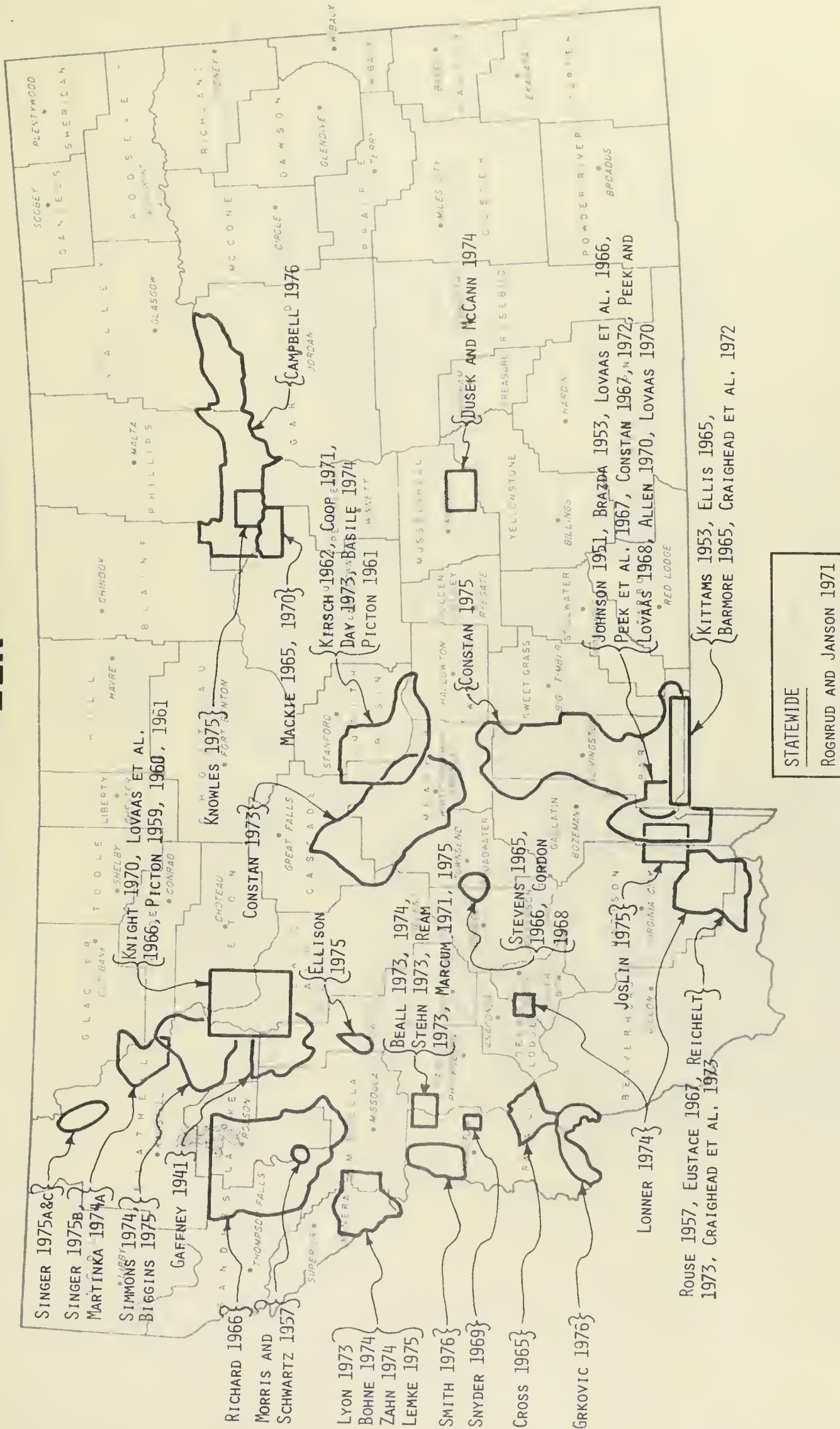
**LYNX:** NELLIS 1971

**PREDATORS:** MITCHELL AND GREER 1971

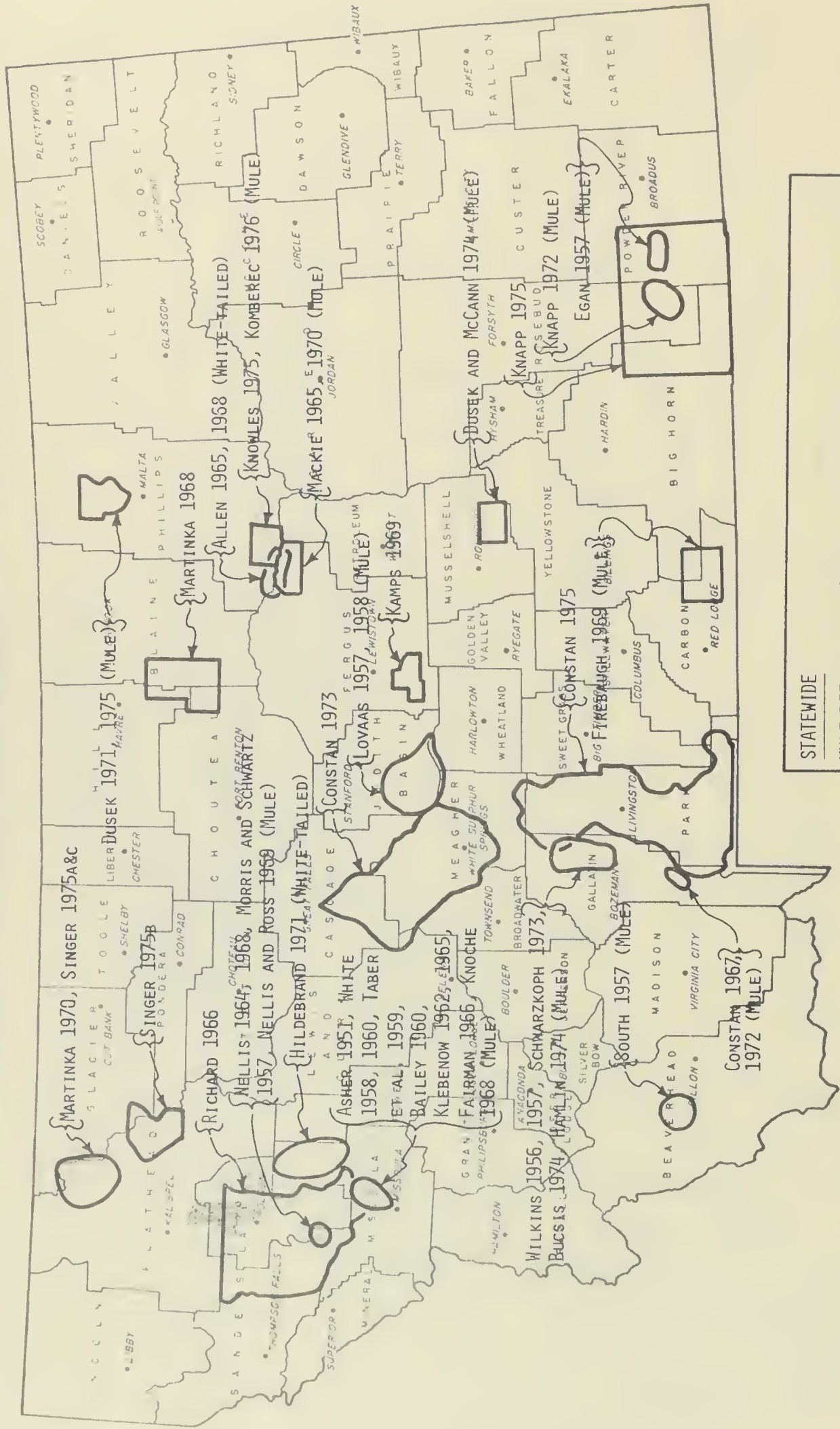
**BOBCAT AND COYOTE:** ROBINSON AND GRAND 1958



# ELK



# MULE DEER AND WHITE-TAILED DEER



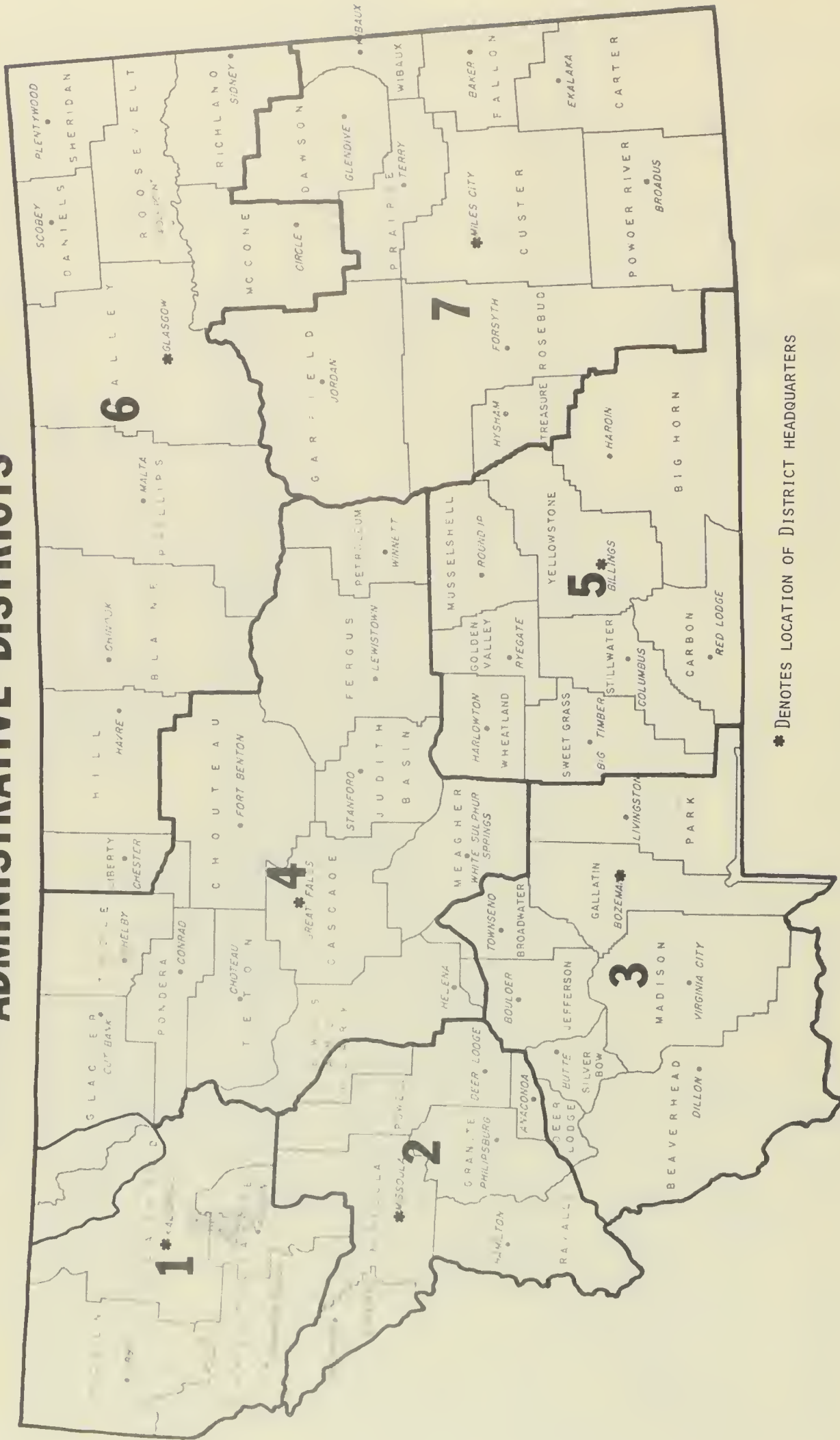
STATEWIDE  
 MULE DEER: EGAN 1971, MARTIN 1972, HEMMER 1975, DUNCAN 1975  
 WHITE-TAILED DEER: ALLEN 1971







# MONTANA DEPARTMENT OF FISH AND GAME ADMINISTRATIVE DISTRICTS



\* DENOTES LOCATION OF DISTRICT HEADQUARTERS

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