

TABLE OF CONTENTS

Farmland Wildlife Research Group

Hunter perceptions and acceptance of alternative deer management regulations	
Louis Cornicelli, David C. Fulton, Marrett D. Grund, and John Fieberg	01
Establishment of forbs in existing grass stands	
Kurt Haroldson, and Molly Tranel	02

Forest Wildlife Research Group

Ecology and population dynamics of Black Bears in Minnesota.	
David L. Garshelis, Karen V. Noyce, and Mark A. Ditmer	08
A long-term assessment of the variability in winter use of dense conifer cover by female White-tailed deer.	
Glenn D. DelGiudice, John Fieberg, and Barry A. Sampson	23
A long-term assessment of the effect of winter severity on the food habits of White-tailed deer	
Glenn D. DelGiudice, Barry A. Sampson, and J. Giudice	36
Reproductive ecology of Fisher and Marten in Minnesota.	
John Erb, Pam Coy, and Barry A. Sampson	50
Survival and causes of mortality for Fisher and Marten in Minnesota.	
John Erb, Barry A. Samson, and Pam Coy	64

Wildlife Health Program

Preliminary results from the 2010-2011 Moose Health Assessment Project	
Erika Butler, Michelle Carstensen, and Erik Hildebrand	74
Minnesota Gray Wolf Disease Screening and Morphology	
Erika Butler, Michelle Carstensen, Dan Stark, Erik Hildebrand, and John Erb	82
Chronic Wasting Disease surveillance in Minnesota's Southeastern wild deer herd	
Erik Hildebrand, Michelle Carstensen, David Pauly, Erika Butler, and Lou Cornicelli	90

Spatial patterns of White-tailed deer movement related to bovine tuberculosis transmission risk in Northwest Minnesota.

Michelle Carstensen, Joao Ribeiro Lima, Erik Hildebrand, Robert Wright, Lou Cornicelli, Scott Wells, and Marrett Grund 96

Managing bovine tuberculosis in White-tailed deer in Northwestern Minnesota:
A 2011 progress report

Michelle Carstensen, Erika Butler, Erik Hildebrand, and Lou Cornicelli 109

Biometrics Unit and Surveys

Estimating animal abundance with a hierarchical catch-effort model

Katherine St. Clair, Eric Dunton, and John Giudice 120

Probability of detection in Crowing surveys of Ring-Necked Pheasants

Alison Harwood, Kurt Haroldson, Brock McMillan, and John Giudice 121

Comparing stratification schemes for aerial Moose surveys

John R. Fieberg and Mark S. Lenarz 122

Could you please phrase “home range” as a question?

John Fieberg and Luca Börger 123

Understanding the causes and consequences of animal movement: a cautionary note on fitting and interpreting regression models with time-dependent covariates

John R Fieberg, and Mark. Ditmer 124

Recent population trends of mountain goats in the Olympic Mountains, Washington

Kurt J. Jenkins, Patricia J. Happe, Katherine F. Beirne, Roger A. Hoffman, Paul C. Griffin, William T. Baccus, and John R. Fieberg 125

Wetland Wildlife Research Group

Evaluations of the effect of grazing on selected grassland variables

David Rave, Kevin Kotts, and John Fieberg 126

Nesting ecology of Ring-Necked ducks in the boreal forest of Northern Minnesota

Charlotte Roy and Christine Herwig 131

Investigation of trematodes and faucet snails responsible for lesser Scaup and American Coot die-offs.

Charlotte Roy and Christine Herwig 139

Characteristics of shallow lakes in Minnesota: Regional comparisons and relationships among landscape setting, ambient nutrients, and fish communities.

Mark A. Hanson, Brian R. Herwig, Kyle D. Zimmer, Shane Bowe, Jim Cotner, Sean R. Vaughn, Patrick G. Welle, Robert W. Wright, John Fieberg and Jerry A. Younk 147

Modeling and estimation of harvest parameters and annual survival rates of Wood Ducks in Minnesota, 1996-2010

James B. Berdeen 168

Publications 184