TABLE OF CONTENTS

Forest Wildlife Research Group

Ecology and population dynamics of black bears in Minnesota.	
David L. Garshelis and Karen V. Noyce	1
Reproductive ecology of fisher and marten in Minnesota.	
John Erb, Pam Coy, and Barry Sampson	12
Survival and causes of mortality for fisher and marten in Minnesota.	
John Erb, Barry Sampson, and Pam Coy	24
Moose population dynamics in northeastern Minnesota.	
Mark S. Lenarz, Michael W. Schrage, Andrew J. Edwards, and Michael Nelson	32
Living on the edge: viability of moose in northeastern Minnesota.	
Mark S. Lenarz, John Fieberg, Michael W. Schrage, and Andrew J. Edwards	35
Winter body condition of moose (Alces alces) in a declining population in northeastern Minnesota.	
Glenn D. DelGiuduce, Barry Sampson, Mark S. Lenarz, Michael W. Schrage, and Andrew J. Edwards	36
Habitat selection by male ruffed grouse at multiple spatial scales.	
Meadow J. Kouffeld, Michael A. Larson, and R. J. Gutiérrez	37
Habitat selection of spruce grouse at multiple spatial scales in northwest Minnesota.	
Michael A. Larson	42
Landscape characteristics associated with dancing grounds of sharp-tailed grouse.	
Michael A. Larson and J. Wesley Bailey	44
Modeling connectivity of sharp-tailed grouse dancing grounds to aid in open landscape management	
J. Wesley Bailey	50
Increasing our understanding of the effects of winter severity and conifer cover on winter distribution, movements, and survival of female white-tailed deer in north-central Minnesota	
Glenn D. DelGiudice, Barry A. Sampson, and John Fieherg	55

Wetlands Wildlife Research Group

Comparison of native grassland management treatments to spring prescribed burns.
David Rave, Kevin Kotts, and John Fieberg
Movements, survival, and refuge use by ring-necked ducks after fledging in Minnesota.
Charlotte Roy, Christine Sousa, David Rave, Wayne Brininger, and Michelle McDowell
Regional comparisons of relationships among landscape setting, ambient nutrients, land use, fish communities, and ecological characteristics of shallow lakes – preliminary efforts - 2009.
Mark A. Hanson, Brian R. Herwig, Jerry A. Younk, Kyle D. Zimmer, Seas R. Vaughn, Robert W. Wright, Shane Bowe, Jim Cotner, and Patrick G. Welle
Nesting ecology of ring-necked ducks in northern Minnesota.
Charlotte Roy, Christine Sousa, Jody Kennedy, and Elizabeth Rave
2009 ring-necked duck breeding pair survey.
Christine M. Sousa, David P. Rave, and Michael C. Zicus
Wildlife Disease Program
Surveillance for highly pathogenic avian influenza in Minnesota's migratory birds.
Erik Hildebrand, Michelle Carstensen, and Erika Butler
Minnesota Department of Natural Resources CWD surveillance program 2009.
Michelle Carstensen, David Pauly, Erika Butler, Erik Hildebrand, and Lou Cornicelli
Preliminary results of herd health assessment for northwestern free-ranging elk from 2004-2009.
Erik Hildebrand, Michelle Carstensen, Erika Butler, and Lou Cornicelli
Preliminary results from the 2007-2009 moose herd health assessment project.
Erika Butler, Michelle Carstensen, Erik Hildebrand, John Giudice, Robert Wright, and Mike Schrage
Managing Bovine Tuberculosis in white-tailed deer in northwestern Minnesota: a 2009 progress report.

Farmland Wildlife Research Group

Estimating white-tailed deer abundance using aerial quadrat surveys.	
Brian S. Haroldson	177
Nest site selection and nesting ecology of giant Canada geese in central Tennessee.	
Jason S. Carbaugh, Daniel L. Combs, and Eric M. Dunton	184
Conservation reserve program grasslands and ring-necked pheasant abundance in Minnesota.	
James F. Drake, Richard O. Kimmel, J. David Smith, and Gary Oehlert	185
Ecology, hunting seasons, and management of gray and fox squirrels in Minnesota.	
Emily J. Dunbar, Richard O. Kimmel, and Eric M. Walberg	186
Wild turkey good habits on the northern fringe of their range in Minnesota.	
Eric M. Dunton, Darren Mayers, John Fieberg, and Kurt J, Haroldson	230
Movements, habitat selection, associations, and survival of giant Canada goose broods in central Tennessee.	
Eric M. Dunton and Daniel L. Combs	241
Bullet fragmentation and lead deposition in white-tailed deer and domestic sheep.	
Marrett Grund, Lou Cornicelli, Leah T. Carlson, and Erika Butler	242
Evaluation of early antlerless seasons in the north metro and in northwest Minnesota.	
Marrett Grund and Lou Cornicelli	243
Survival analysis and computer simulations of lethal and contraceptive management strategies for urban deer.	
Marrett Grund	253
Research proposal: controlling encroachment of woody vegetation in grasslands.	
Kurt Haroldson	254
Survival of wild turkey hens transplanted beyond their current distribution in Minnesota.	
Chad J. Parent, Brett J. Goodwin, and Eric M. Dunton	259

Effects of supplemental food and experience on winter survival of transplanted wild turkeys.
Marco Restani, Richard O. Kimmel, John R. Fieberg, and Sharon L. Goetz260
Establishment and maintenance of forbs in existing grass stands-pilot season update.
Molly Tranel261
Research proposal: monitoring prairie invertebrate abundance and diversity to inform best grassland management practices.
Molly Tranel and Daren Carlson267
Publications