



RANGIFER

Special Issue 2011 No. 19

Contents	Page
<i>The 12th North American Caribou Workshop, Canada, November 2-5, 2008</i>	
Acknowledgements	9
Preface	11
In Memoriam	
Penote (Ben) Michel.....	13
Neal Phillip Perry Simon.....	15
Presentations	
Arlt, M.L. & Manseau, M. - Historical changes in caribou distribution and land cover in and around Prince Albert National Park: land management implications	17
Arsenault, A.A. & Manseau, M. - Land management strategies for the long-term persistence of boreal woodland caribou in central Saskatchewan	33
Carr, N.L., Rodgers, A.R., Kingston, S.R., & Lowman, D.J. - Use of island and mainland shorelines by woodland caribou during the nursery period in two northern Ontario parks	49
Hazell, M.E. & Taylor, M.E. - Movements of boreal caribou in the James Bay lowlands	63
Joly, K. - Modeling influences on winter distribution of caribou in northwestern Alaska through use of satellite telemetry	75
Popp, J.N., Schaefer, J.A., & Mallory, F.F. - Female site fidelity of the Mealy Mountain caribou herd (<i>Rangifer tarandus caribou</i>) in Labrador	87
Smith, K.G. & Pittaway, L. - Little Smoky woodland caribou calf survival enhancement project	97
Smith, K.G., Hubbs, A., Weclaw, P., Sullivan, M., & McCutchen, N. - The west central Alberta woodland caribou landscape plan: Using a modeling approach to develop alternative scenarios.....	103

Waterhouse, M.J., Armleder, H.M., & Nemeč, A.F.L. - Terrestrial lichen response to partial cutting in lodgepole pine forests on caribou winter range in west-central British Columbia	119
Witting, L. & Cuyler, C. - Harvest impacts on caribou population dynamics in south west Greenland....	135
Abstracts	
Barrier, T. & Johnson, C. - Limiting factors for barren-ground caribou during winter – interactions of fire, lichen, and snow	147
Brook, R.K., Kutz, S.J., Veitch, A., Popko, R., & Elkin, B. - An integrated approach to communicating and implementing community-based caribou health monitoring	148
deBruyn, N.P., Hoberg, E.P., Chilton, N., Ruckstuhl, K., Brook, R., & Kutz, S. - Application of a molecular tool to describe the diversity and distribution of gastro-intestinal parasites in northern caribou.....	149
Ducrocq, J., Kutz, S., Simard, M., Croft, B., Elkin, B., & Lair, S. - Besnoitiosis in caribou: What we know and what we don't know	150
Dyke, C. & Manseau, M. - Characterization of woodland caribou (<i>Rangifer tarandus caribou</i>) calving habitat in the boreal plains and boreal shield ecozones of Manitoba and Saskatchewan	151
Falldorf, T. & Strand, O. - Spatial and temporal variations in lichen forage biomass as estimated from LANDSAT 5 satellite images	152
Hettinga, P.N., Manseau, M., Arnason, N., Ball, M., Chong, T., Thompson, L., Wilson, P., Whaley, K., Cross, D., & Trim, V. - Use of fecal genotyping to estimate population demographics in the North Interlake woodland caribou herd.....	153
Hoar, B.M. & Kutz, S. - Development and survival of <i>Ostertagia gruehneri</i> under natural and artificially warmed conditions on the Canadian tundra	154
Latham, A.D.M. & Boutin, S. - Caribou, primary prey and wolf spatial relationships in northeastern Alberta.....	155
L'Italien, L., Weladji, R.B., Holand, Ø., & Côte, S.D. - Stability of reindeer harems according to male age and social rank.....	156
Manseau, M., Ball, M., Wilson, P., & Fall, A. - Relationship between landscape connectivity and gene flow for boreal caribou: clues for conservation	157
McCutchen, N. - Predator assessment in Alberta's woodland caribou ranges	158
Racey, G. & Chikoski, J. - A comprehensive and corporate caribou observation database for Ontario	159
Rudolph, T.D., Drapeau, P., & Leduc, A. - Distance- versus patch-based movements of woodland caribou during spring dispersion in northern Quebec.....	160
Russell, D., Nicholson, C., White, R.G., & Gunn, A. - Frame size and caribou population cycles: a modeling approach.....	161
Schmelzer, I., Morgan, K., Graham, J., & Jeffery, R. - Does the basic ecology of woodland caribou (<i>Rangifer tarandus caribou</i>) vary within different environmental settings? A comparison of movement patterns in female caribou inhabiting different ecosystems in north-eastern Canada.	162

Strand, O., Falldorf, T., & Hansen, F. - A simple time series approach can be used to estimate individual wild reindeer calving dates and calving sites from GPS tracking data	163
Taillon, J., Côté, S.D., Brodeur, V., & Festa-Bianchet, M. - Factors affecting the body condition of female-calf pairs in two herds of migratory caribou in northern Québec/Labrador	164
Witter, L.A. - Insect-weather indices and the effects of insect harassment on caribou behaviour and activity budgets	165

List of Posters

- Changes in distribution and numbers of the Pen Island caribou of Southern Hudson Bay – K. Abraham, B. Pond, & C. Chenier
- Caribou follow-up program of the Eastmain-1-A / Rupert diversion hydro-electrical project – A. Beauchemin
- Age-structured induced population movement influences dynamics of two Alaskan caribou herds – B.W. Dale, A. Aderman, J. Woolington, & D.J. Demma
- Distribution and movement of caribou during spring calving in eastern Manitoba – T. Davis, D. Schindler, & D. Walker
- Causes of change in primary prey abundance: implications for caribou in Alberta – K.L. Dawe, A.D.A. Latham, & S. Boutin
- Understanding the niche partitioning of ground-cover functional groups and dominance of terrestrial lichens in lodgepole pine (*Pinus contorta*) – lichen woodlands of British Columbia – Haughian, S.
- Body condition of Newfoundland caribou during a population decline. – C.M. Doucet, J. Humber, C.P. Marks, & J. Neville
- Predicting caribou habitat use patterns after forest harvesting in insular Newfoundland. – S. Garland, C. Dyke, C. Callahan, P. Saunders, C.P. Marks, & C.M. Doucet
- Predator efficiency along linear disturbances within woodland caribou ranges – B. Hall, P. Bentham, M. Jalkotzy, & G. Sargent
- Estimating abundance and distribution of Peary caribou in Nunavut, Canada using conventional distance sampling techniques – D.A. Jenkins
- Trends in body morphology of Newfoundland woodland caribou (*Rangifer tarandus*) during periods of population growth and decline – J.G. Luther, J.N. Weir, S.P. Mahoney, & J.A. Schaefer
- Influence of juvenile survival on population trends of insular Newfoundland caribou (*Rangifer tarandus*) – S.P. Mahoney, F. Norman, J.N. Weir, & J.G. Luther
- Land management strategies for the conservation of boreal caribou in the Prince Albert Greater Ecosystem – M. Manseau, M. Arlt, C. Dyke, D. Frandsen, T. Trottier, F. Moreland, B. Tokaruk, A. Arsenaault, G. Pitoello, E. Kowal, S. Keobousone, A. Fall, & B. Christensen
- Interpreting physical evidence of predation on caribou calves in two Newfoundland herds – J. Neville
- Spatial use of hunting areas in West Greenland – L.M. Rasmussen, C. Cuyler, & J. Nyman

Determining the importance of woodland caribou in bear diets in west-central Alberta
– C. Robichaud & M. Boyce

Development of a sampling protocol for the analysis of adult female caribou land cover utilization during calving and post-calving – P.W. Saunders

Vigilance and foraging in maternal caribou (*Rangifer tarandus*) in west-central Newfoundland
– C.E. Soulliere, S.P. Mahoney, & E.H. Miller

Scientific Review of the identification of critical habitat for boreal caribou – S. Virc

Effects of mine development on woodland caribou (*Rangifer tarandus*) distribution. – J.N.Weir, S.P. Mahoney, B. McLaren, & S.H. Ferguson

Past and predicted demographic trends in insular Newfoundland caribou (*Rangifer tarandus*) – J.N. Weir, S.P. Mahoney, & J.G. Luther