



RANGIFER

Special Issue

2013

No. 21

Contents

Page

Preface	7
---------------	---

Organization and sponsors.....	9
--------------------------------	---

In Memoriam

Robert John (Bob) Hudson	13
--------------------------------	----

Articles

Manuela Panzacchi, Bram Van Moorter & Olav Strand – A road in the middle of one of the last wild reindeer migration routes in Norway: crossing behaviour and threats to conservation.....	15
--	----

Raymond D. Cameron, Brad Griffith, Lincoln S. Parrett & Robert G. White – Efficacy of calf:cow ratios for estimating calf production of arctic caribou.....	27
--	----

Anne Gunn, Kim G. Poole, Jack Wierzchowski, John S. Nishi, Jan Adamczewski, Don Russell & Adrian D'Hont – Have geographical influences and changing abundance led to sub-population structure in the Ahiak caribou herd, Nunavut, Canada?	35
--	----

Troy M. Hegel & Kyle Russell – Status of northern mountain caribou (<i>Rangifer tarandus caribou</i>) in Yukon, Canada.....	59
--	----

Don E. Russell, Michael Y. Svoboda, Jadah Arokium & Dorothy Cooley – Arctic Borderlands Ecological Knowledge Cooperative: can local knowledge inform caribou management?	71
---	----

Mauri Nieminen, Harri Norberg & Veikko Maijala – Calf mortality of semi-domesticated reindeer (<i>Rangifer tarandus tarandus</i>) in the Finnish reindeer-herding area	79
---	----

Susan Kutz, Julie Ducrocq, Christine Cuyler, Brett Elkin, Anne Gunn, Leonid Kolpashikov, Don Russell & Robert G. White – Standardized monitoring of <i>Rangifer</i> health during International Polar Year.....	91
--	----

Brief Communications

Mathieu Dumond, Shane Sather & Rob Harmer – Observation of Arctic island barren-ground caribou (<i>Rangifer tarandus groenlandicus</i>) migratory movement delay due to human induced sea-ice breaking.....	115
Tracy Davison & Kristen Callaghan – Moose (<i>Alces alces</i>) population size and density in the Inuvik Region of the Northwest Territories, Canada	123
Tracy Davison & Judy Williams – Peary caribou (<i>Rangifer tarandus pearyi</i>) and muskoxen (<i>Ovibos moschatus</i>) on northwest Victoria Island, Northwest Territories.....	129
Tracy Davison, Jodie Pongracz & Judy Williams – Population survey of Peary caribou (<i>Rangifer tarandus pearyi</i>) and muskoxen (<i>Ovibos moschatus</i>) on Banks Island, Northwest Territories, July 2010	135
Don E. Russell, Gary Kofinas, Anne Gunn, Robert G. White & Susan Kutz – Circum Arctic Rangifer monitoring and assessment (CARMA) network – origins, goals, accomplishments and future	141
Don E. Russell, Paul H. Whitfield, Jing Cai, Anne Gunn, Robert G. White & Kim Poole – CARMA's MERRA-based caribou range climate database	145
Robert G. White, Colin J. Daniel & Don E. Russell – CARMA's integrative modeling: historical background of modeling caribou and reindeer biology relevant to development of an energy/protein model	153
Anne Gunn, Don E. Russell, Colin J. Daniel, Robert G. White & Gary Kofinas – CARMA's approach for the collaborative and inter-disciplinary assessment of cumulative effects.....	161
Robert G. White, Don E. Russell & Colin J. Daniel – Modeling energy and protein reserves in support of gestation and lactation: glucose as a limiting metabolite in caribou and reindeer	167
Archana Bali, Vladimir A. Alexeev, Robert G. White, Don E. Russell, A. David McGuire & Gary P. Kofinas – Long-term patterns of abiotic drivers of mosquito activity within summer ranges of Northern Alaska caribou herds (1979–2009).....	173
Jillian Steele, Christine Cuyler, Karin Orsel & Susan J. Kutz - Differences in parasite diversity, prevalence, and intensity assessed through analyses of fecal samples from two West Greenland caribou populations.....	177