

## Undergraduate Theses

- Arama, A. 1988. The moisture storage of lichen canopies. B. Sc. Thesis, Department of Geography, York University, Toronto, Ontario. 130 pp.
- Berglund, E. 2003. Dendroecological evidence of the absence of larch sawfly (*Pristiphora erichsonii*) outbreaks on subarctic Manitoba over the last 250 years. B. Sc. Thesis, Department of Biology, University of Winnipeg. 44 pp.
- Borwick, J. 2000. Carbon accumulation in aquatic and terrestrial systems of the Hudson Bay lowland. Undergraduate Thesis, Department of Geography, York University, Toronto, Ontario. 66 pp.
- Chiu, Y. 2002. Dependence of net carbon accumulation on vegetation composition and water table, and carbon re-distribution by lateral transport over five decades in the Hudson Bay Lowlands. B. Sc. Thesis, Department of Geography, York University, Toronto, Ontario. 52 pp.
- Del Giudice, L. C. R. 1998. The relationship between stomatal conductance and carbon dioxide in a subarctic forest near Churchill, Manitoba. B. Sc. (Hons) Thesis, Trent University, Peterborough, Ontario. 93 pp.
- Dicks, W. 1991. Factors affecting active layer development and permafrost characteristics, Churchill, Manitoba. B.Sc. Thesis, Trent University, Peterborough, ON.
- Firlotte, N. 1992. Revegetation of disturbed areas of tundra using native plant species in the Churchill area, Manitoba. Undergraduate Thesis, University of Winnipeg, Winnipeg, Manitoba. 64pp.
- Heffernan, T. 1982. Habitat selection in two sympatric species, *Lemmus sibiricus* and *Clethrionomys rutilus* near Eskimo Point, N. W. T., Canada. B. Sc. Thesis, Wilfred Laurier University, Waterloo, Ontario.
- Holland, S. 1989. Land/sea breeze circulation systems of Churchill, Manitoba. B. A. Thesis, McMaster University, Hamilton, Ontario. 36 pp.
- Kadonaga, L. K. 1989. Stomatal response of *Carex aquatilis* to climate conditions in a subarctic coastal wetland during the growing season. Undergraduate Thesis, Department of Geography, McMaster University, Hamilton, Ontario. 57 pp.
- Lajzerowics, C. Germinable seeds of a seed bank in a coastal sandbar at Bird Cove, Churchill, MB. Undergraduate Thesis, University of Winnipeg, MB.
- MacLeod, K. G. 1986. The ecological zonation in an incipient carbonate formation. Undergraduate Thesis, Williams College, Williamstown, Massachusetts. 224 pp.
- Malcolm, Christopher D. 1993. An examination of protected areas as effective tools for resource management: a case study of the proposed National Park near Churchill, Manitoba. B. A. Thesis, Department of Geography, Memorial University, St. John's, Newfoundland. 98 pp.
- Mantha, B. 1992. The transmission of global solar radiation in a subarctic forest. B.Sc. Thesis, Trent University, Peterborough, ON.
- McBurney, M. E. 2005. Seed bank and vegetation relationships in Ritchie's vegetation zones on the Churchill River Estuary. B. Sc. Thesis, Department of Biology, University of Winnipeg, Winnipeg, Manitoba. 44 pp.
- Palala, J.V. 2001. Local influences on the radiometrically-determined aerosol particle size distribution at Churchill, Manitoba. BSc Thesis, Department of Geography, York University, Toronto, ON. 106 pp.
- Plener, S. 2002. An analysis of coastal sedimentation in the Hudson Bay Lowlands at Bird Cove, Churchill, Manitoba. B. Sc. Thesis, Department of Geography, York University, Toronto, Ontario. 54 pp.
- Schreder, C. P. 1993. Evapotranspiration from a subarctic forest floor, Churchill, Manitoba. B. Sc. (Hons), Trent University, Peterborough, Ontario. 45 pp.
- Shackleton, S. A. 1990. Variation in the song of the Harris' Sparrow (*Zonotrichia querula*). Undergraduate Thesis, Queen's University, Kingston, Ontario. 39 pp.
- Silis, A. 1984. The relationship between meteorological factors and ice conditions in Hudson Bay. B. Sc. Thesis, Department of Geography, McMaster University, Ontario. 32 pp.
- Skinner, D. F. 1986. Environmental parameters of an early Silurian rocky-shore: Churchill, Manitoba, Canada. Undergraduate Thesis, Williams College, Williamstown, Massachusetts. 168 pp.

Watson, Emma. 1996. A critical comparison of tree-ring width chronologies with instrumental temperature records for Churchill, Manitoba for the years 1937 to 1988. Undergraduate Thesis, Department of Geography, University of Windsor, Windsor, Ontario. 69 pp.

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### **M. Sc. Theses**

Ang, M. 1984. Age, growth and ecological production of fish in five streams of an equatorial river system – the Baram River, Sarawak, Malaysia. M. Sc. Thesis, Department of Zoology, University of Toronto, Ontario. 178 pp.

Arama, A. 1992. Treeline vegetation interception, soil moisture and thermal regime. M. Sc. Thesis, Department of Geography, York University, Toronto, Ontario. 247 pp.

Badzinski, D. S. 2000. Population dynamics of semipalmated plovers (*Charadrius semipalmatus*) breeding at Churchill, Manitoba. M. Sc. Thesis, Trent University, Peterborough, Ontario. 133 pp.

Bahr, J. 1989. The hunting ecology of arctic foxes (*Alopex lagopus*) near Cape Churchill, Manitoba. M. Sc. Thesis, Department of Zoology, University of Manitoba, Winnipeg, Manitoba. 129 pp.

Ball, M. G. 2005. Auroral pulsations measured with a high speed photomultiplier. M. Sc. Thesis, Department of Physics and Astronomy, University of Calgary, Calgary, Alberta. 114 pp.

Bingham, V. G. 1986. The mid-summer thermal regime across the Hudson Bay coastline near Churchill, Manitoba. M. Sc. Thesis, McMaster University, Hamilton, Ontario. 90 pp.

Blanken, P. D. 1992. Vegetation controls on evaporation from a subarctic willow-birch forest. M. Sc. Thesis, McMaster University, Hamilton, Ontario. 171 pp.

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Brook, R.K. 2001. Structure and dynamics of the vegetation in Wapusk National Park and the Cape Churchill Wildlife Management Area of Manitoba: Community and landscape scales. Master of Natural Resource Management Thesis, Natural Resources Institute, University of Manitoba, Winnipeg, Manitoba.

Brown, P.G. 2002. Partitioning net CO<sub>2</sub> fluxes between overstory and understory in a northern boreal forest. M.Sc. Thesis. Trent University, Peterborough, ON.

Buckeridge, K. M. 2004. The allocation of inorganic nitrogen (<sup>15</sup>NH<sub>4</sub><sup>+</sup>) to soil, microbial and plant biomass in an arctic salt marsh. M.Sc. thesis, Department of Botany, University of Toronto, Toronto, ON

Burton, K. L. 1994. The midsummer carbon dioxide budget of a subarctic sedge wetland. M. Sc. Thesis, McMaster University, Hamilton, Ontario. 85 pp.

Cargill, S. M. 1981. The effects of grazing by lesser snow geese on the vegetation of an arctic salt marsh. M. Sc. Thesis, Department of Botany, University of Toronto, Toronto, Ontario. 191 pp.

Carlson, D. W. 1992. Energy balance of wet sedge tundra during summer drought and the influence of variable surface topography. M. Sc. Thesis, Department of Geography, McMaster University, Hamilton, Ontario. 110 pp.

Clark, D. 1996. Terrestrial habitat selection by polar bears (*Ursus maritimus* Phipps) in the western Hudson Bay lowlands. M. Sc. Thesis, Department of Zoology, University of Alberta, Edmonton, Alberta. 119 pp.

Cole, R. W. 1979. The relationship between weight at hatch and survival and growth of wild lesser snow geese. M. Sc. Thesis, Department of Zoology, University of Western Ontario, London, Ontario.

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Drai, D. 2000. Monitoring the spatio-temporal evolution of lake ice covers with active microwave (georadar and RADARSAT). M.A. Thesis. University Laval, Quebec, PQ.

- Dyck, M. G. 2001. Effects of tundra activity on polar bears (*Ursus maritimus*) at Churchill, Manitoba. Master of Natural Resource Management Thesis, Natural Resources Institute, University of Manitoba, Winnipeg, Manitoba. 149 pp.
- Firlotte, N. 1998. The revegetation of disturbed dry tundra areas near Churchill, Manitoba. M. Sc. Thesis, University of Manitoba, Winnipeg, Manitoba. 184 pp.
- Flynn, L. 1997. Philopatry, nest site tenacity, and mate fidelity in semipalmated plovers (*Charadrius semipalmatus*) breeding at Churchill, Manitoba. M. A. Thesis, Trent University, Peterborough, Ontario. 78 pp.
- Good, A. G. 1982. Ecology and biogeography of tundra zooplankton communities in the Churchill, Manitoba area. M. Sc. Thesis, University of Windsor, Windsor, Ontario. 257 pp.
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- Gratto, C. L. 1983. Migratory and reproductive strategies of Semipalmated sandpiper. M. Sc. Thesis, Department of Biology, Queen's University, Kingston, Ontario.
- Gray, I. M. 1987. Factors regulating phytoplankton populations at Churchill, Manitoba. M. Sc. Thesis, University of Windsor, Windsor, Ontario. 311 pp.
- Hamann, J. 1983. Intra-seasonal clutch size reduction in lesser snow geese. M. Sc. Thesis, Department of Biology, Queen's University, Kingston, Ontario.
- Hart, G. T. 1988. *Dryas integrifolia* and its habitat diversity in the Canadian high and low arctic. M. Sc. Thesis, University of Toronto, Toronto, Ontario. 207 pp.
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- Latour, P. B. 1980. Social behavior of polar bears (*Ursus maritimus* Phipps) concentrated on land during the ice-free season of Hudson Bay. M. Sc. Thesis, Department of Zoology, University of Alberta, Edmonton, Alberta. 78 pp.
- Lunn, N. J. 1985. The ecological significance of supplemental food to polar bears on land during the ice-free period in western Hudson Bay. M. Sc. Thesis, Department of Zoology, University of Alberta, Edmonton, Alberta. 95 pp.
- MacRae, M. L. S. 1998. Variation in organic carbon storage in shallow tundra ponds. M. Sc. Thesis, Department of Geography, York University, Toronto, Ontario. 234 pp.
- McLaren, J. R. 2003. Vegetation mosaics, patch dynamics and alternate stable states in an Arctic intertidal marsh. M.Sc. Thesis, Department of Botany, University of Toronto, Toronto, Ontario. 209 pp.
- Melnyk, S. 2000. Integrated management planning in Canada's arctic and sub-arctic: a case study of Manitoba's marine coastline. Master of Natural Resource Management Practicum, Natural Resources Institute, University of Manitoba, Winnipeg, Manitoba.
- Monson, K. M. M. 2003. Fire history and secondary vegetation succession in the forest-tundra near Churchill, Manitoba. M.Sc. Thesis, Department of Botany, University of Manitoba, Winnipeg, MB
- Newton, S. T. 2000. Sustainable development for Canada's arctic and sub-arctic communities: A case study of Churchill, Manitoba. Master of Natural Resource Management Practicum, Natural Resource Institute, University of Manitoba, Winnipeg, Manitoba. 128 pp.

- Obretin, C. 1999. Effects of incidence angle on the detection of lake ice covers in RADARSAT images. M.A. Thesis. Universite Laval, Quebec, PQ.
- Pelesh, R. E. 1988. A wildlife-based tourism development strategy for Churchill, Manitoba. M. N. R. M. Practicum, Natural Resources Institute, University of Manitoba, Winnipeg, Manitoba. 113 pp.
- Petrone, R. M. 1999. Synoptic controls on the energy and water balance in subarctic regions of Canada. M. Sc. Thesis, Department of Geography, McMaster University, Hamilton, Ontario. 92 pp.
- Rathman, N. P. 1983. A comparison of normal and blocked pregnancy in the collared lemming (*Dicrostonyx groenlandicus*). M. Sc. Thesis, University of Waterloo, Waterloo, Ontario.
- Renzetti, A. V. E. 1993. Late-winter energy balance measurements at the treeline near Churchill, Manitoba. M. Sc. Thesis, Trent University, Peterborough, Ontario. 130 pp.
- Richardson, E. 2004. Polar bear (*Ursus maritimus*) maternity den site selection and the effects of forest fires on denning habitat in western Hudson Bay. M. Sc. Thesis, Department of Biological Sciences, University of Alberta, Edmonton, Alberta.
- Rzadki, J. A. 1986. Terrain sensitivity analysis for all-terrain vehicle management in the Cape Churchill Wildlife Management Area, Manitoba. M. Sc. Thesis, Department of Land Resources Science, University of Guelph, Guelph, Ontario. 226 pp.
- Schreader, C. P. 1995. Summertime carbon dioxide exchange over a subarctic sedge wetland. M. A. Thesis, Department of Geography, McMaster University, Hamilton, Ontario. 101 pp.
- Scott, P. A. 1987. The inhabitation of lichen-heath tundra by *Dicrostonyx torquatus richardsoni* in the forest-tundra ecosystem near Churchill, Manitoba. M. Sc. Thesis, Department of Zoology, University of Toronto, Toronto, Ontario. 110 pp.
- Silis, A. 1987. The energy balance of the intertidal zone of Hudson Bay during the ice-free summer. M. Sc. Thesis, McMaster University, Hamilton, Ontario. 86 pp.
- Skarupa, M.R. 1998. Testing of the Canadian Land Surface Scheme (CLASS) for open subarctic forest. M.Sc. Thesis, Trent University, Peterborough, ON.
- Straszynski, E. 1991. Sexual selection in notostraca: the origin of aggression and advantages of plasticity in ephemeral habitats. M. Sc. Thesis, Department of Watershed Ecosystems, Trent University, Peterborough, Ontario. 127 pp.
- Sullivan-Blanken, M. 1996. Egg and clutch-size variability and parental behaviour in the Semipalmated Plover (*Charadrius semipalmatus*) at Churchill, Manitoba, Canada. M. Sc. Thesis, Trent University, Peterborough, Ontario. 65 pp.
- Tam, Ling. 2005. Estimation of functional and genetic diversity of sub-arctic tundra soil microbial communities (Churchill, MB, Canada). M.Sc. Thesis, Department of Environmental Biology, University of Guelph, Guelph, ON
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- Webb, A. J. 1985. Guidelines for the use of all-terrain vehicles in the Cape Churchill Wildlife Management Area. M. N. R. M. Practicum, Natural Resources Institute, University of Manitoba, Winnipeg, Manitoba. 182 pp.
- Weick, E. J. 1989. Energy advection in an arctic coastal environment Churchill, Manitoba. M. Sc. Thesis, McMaster University, London, Ontario.
- Zbigniewicz, M. W. 1986. Plant composition, standing crop and environmental parameters in the estuary of the Churchill River, Manitoba. M. Sc. Thesis, Department of Botany, University of Manitoba, Winnipeg, Manitoba. 164 pp.
- Zharikov, Y. 1998. M.Sc. Trent University. Mating behaviour and paternity of socially monogamous Semipalmated Plovers *Charadrius semipalmatus* breeding in the sub-Arctic.

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- Abraham, K. F. 1980. Breeding site selection of lesser snow geese. Ph. D. Thesis, Department of Biology, Queen's University, Kingston, Ontario. 148 pp.
- Atkinson, S. N. 1996. Ecophysiological studies of body composition, body size and reproduction in polar bears. Ph. D. Thesis, University of Saskatchewan, Saskatoon, Saskatchewan. 117 pp.
- Cattet, M. R. L. 2000. Biochemical and physiological aspects of obesity, high fat diet, and prolonged fasting in free-ranging polar bears. Ph. D. Thesis, University of Saskatchewan, Saskatoon, Saskatchewan. 153 pp.
- Collier, D. E. 1994. Stress and respiration: the effects of low temperature stress, osmotic stress, and aluminium stress on growth and respiration in different higher plant species. Ph. D. Thesis, Department of Botany, University of Toronto, Toronto, Ontario. 162 pp.
- Davies, J. C. 1985. Body size in adult lesser snow geese: assortative mating, heritability and fitness. Ph. D. Thesis, Department of Biology, Queen's University, Kingston, Ontario. 152 pp.
- Derocher, A. E. 1991. Population dynamics and ecology of polar bears in western Hudson Bay. Ph. D. Thesis, Department of Zoology, University of Alberta, Edmonton, Alberta. 189 pp.
- Gratto, C. L. 1989. Endocrinological analysis of sandpiper social systems. Ph. D. Thesis, University of North Dakota, Grand Forks, North Dakota. 157 pp.
- Halliwell, D. H. 1989. A numerical model of the surface energy balance and ground thermal regime in organic permafrost terrain. Ph. D. Thesis, McMaster University, Hamilton, Ontario. 195 pp.
- Kirkham, I. 1996. Comparative foraging and breeding habits of arctic and common terns. Ph. D. Thesis, Dalhousie University, Halifax, Nova Scotia.
- Lemelin, R. H. 2004. The integration of human dimensions with the environmental context: a study of polar bear observers in the Churchill Wildlife Management Area, Churchill, Manitoba. Ph. D. Thesis, Department of Recreation and Leisure Studies, University of Waterloo, Waterloo, Ontario. 314 pp.
- Lim, S. S. L. 1990. Physiological and growth responses of *Macoma balthica* (Mollusca, Pelecypoda) to environmental and genetic factors, with emphasis on a Hudson Bay population near Churchill. Ph. D. Thesis, Department of Zoology, University of Western Ontario, London, Ontario. 185 pp.
- Martin, K. 1985. The utility of bi-parental care in willow ptarmigan: evolutionary and ecological considerations. Ph. D. Thesis, Department of Biology, Queen's University, Kingston, Ontario. 134 pp.
- Mallory, E. P. 1981. Ecological, behavioural and morphological adaptations of a shorebird (the Whimbrel, *Numenius phaeopus hudsonicus*) to its different migration environments. Ph. D. Thesis, Dartmouth College, Hanover, New Hampshire, USA. 249 pp.
- Pivot, F. 2000. Investigating the spation-temporal variations of snow cover in the Churchill region (Canada) using passive and active microwave data. University Laval, Quebec, PQ.
- Polischuk, S. C. 1999. Organochlorine dynamics in free-ranging polar bears and their cubs. Ph. D. Thesis, University of Saskatchewan, Saskatoon, Saskatchewan. 200 pp.
- Ramsay, M. A. 1986. The reproductive biology of the polar bear: a large, solitary carnivorous mammal. Ph. D. Thesis, Department of Zoology, University of Alberta, Edmonton, Alberta. 200 pp.
- Roth, J. D. 1998. The role of marine resources in Arctic fox population dynamics: insights from stable isotopes. Ph. D. Thesis, University of Minnesota, Minneapolis-St. Paul, Minnesota. 96 pp.
- Schmutz, J. K. 1981. Coloniality of the Hudson Bay eider duck. Ph. D. Thesis, Department of Biology, Queen's University, Kingston, Ontario. 90 pp.
- Weatherhead, P. J. 1978. The ecology and behavior of reproduction in a tundra population of savannah sparrows. Ph. D. Thesis, Department of Biology, Queen's University, Kingston, Ontario. 90 pp.
- Wilson, C. M. 2002. An endocrine basis for trade-offs between immediate survival and reproductive success in Arctic- and temperate-breeding yellow warblers, *Dendroica petechia*. Ph. D. Thesis, Department of Biology, University of Mississippi. 132 pp.

## Publications

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