

Rybczynski water license application

List of publications and thesis related to project, excluding unpublished abstracts:

- Ballantyne, A., N. Rybczynski, et al. (2006). "Pliocene Arctic temperature constraints from the growth rings and isotopic composition of fossil larch wood." Palaeogeography Palaeoclimatology Palaeoecology **242**(3-4): 188-200.
- Ballantyne, A. P., D. R. Greenwood, et al. (in press). "Significantly higher Arctic surface temperatures during the Pliocene indicated by multiple independent proxies." Geology.
- Csank, A. Z. (2006). Pliocene Climate Change on Ellesmere Island, Canada: Annual Variability Determined from Stable Isotopes of Fossil Wood. Geological Sciences. Saskatoon, University of Saskatchewan.
- Csank, A. Z., A. Tripathi, et al. (submitted). "Accurate estimates of Arctic land surface temperatures during the Early Pliocene from two novel proxies." Nature Geoscience.
- Dawson, M. R. and C. R. Harington (2007). "*Boreameryx*, an unusual new artiodactyl (Mammalia) from the Pliocene of Arctic Canada and endemism in Arctic fossil mammals." Canadian Journal of Earth Sciences **44**(5): 585-592.
- Dompierre, H. and C. R. Harington (1997). "Dental microwear analysis of Early Pliocene deerlet and hipparionine from Strathcona Fiord, Ellesmere Island, Canada." Journal of Vertebrate Paleontology **17**(3 (Supplement)): 43A.
- Fyles, J. G. (1990). "Beaufort Formation (Late Tertiary) as Seen from Prince Patrick Island, Arctic Canada." Arctic **43**(4): 393-403.
- Graham, R. W., E. L. Lundelius, et al. (1996). "Spatial response of mammals to late quaternary environmental fluctuations." Science **272**(5268): 1601-1606.
- Harington, C. R. (2001). "Life at a 3.5 million year old beaver pond in the Canadian Arctic islands and the modern scene." Meridian Fall/Winter: 11-13.
- Harrison, J. C., U. Mayr, et al. (1999). "Correlation of Cenozoic sequences of the Canadian Arctic region and Greenland; implications for the tectonic history of northern North America." Bulletin of Canadian Petroleum Geology **47**(3): 223-254.
- Hulbert, R. C. and C. R. Harington (1999). "An early Pliocene hipparionine horse from the Canadian Arctic." Palaeontology **42**: 1017-1025.
- Hutchison, J. H. and C. R. Harington (2002). "A peculiar new fossil shrew (Lipotyphla, Soricidae) from the High Arctic of Canada." Canadian Journal of Earth Sciences **39**(4): 439-443.
- Mathews, J. V. J. and J. G. Fyles (2000). "Late Tertiary plant and arthropod fossils from the high-terrace sediments on the Fosheim Peninsula of Ellesmere Island (Northwest Territories, District of Franklin)." Geological Survey of Canada, Bulletin **529**: 295-317.
- Mitchell, W. T., N. Rybczynski, et al. (2009). "A new approach for the taxonomic classification of fossil rabbits (Genus: *Hypolagus*) using eigenshape analysis." Journal of Vertebrate Paleontology **29**(3): 149A.

- Murray, A. M., S. L. Cumbaa, et al. (2009). "Early Pliocene fish remains from Arctic Canada support a pre-Pleistocene dispersal of percids (Teleostei: Perciformes)." Canadian Journal of Earth Sciences **46**(7): 557-570.
- Ovenden, L. E. (1993). "Late Tertiary Mosses of Ellesmere Island." Review of Palaeobotany and Palynology **79**: 121-131.
- Rybczynski, N. (2002.). "Wood-cutting performance in two castorids." Integrative and Comparative Biology **42**(6): 1304.
- Rybczynski, N. (2003). Evolution of wood-cutting in castorids. Biological Anthropology and Anatomy. Durham, Duke University: 263.
- Rybczynski, N. (2003). "Fossil cut-wood from the Canadian High Arctic: New insights into the evolution of wood-cutting in castorids." Journal of Vertebrate Paleontology **23**(3): 91A.
- Rybczynski, N. (2004). "Behavioral evolution in fossil castorids." Integrative and Comparative Biology **43**(6): 832.
- Rybczynski, N. (2004). "Effect of incisor shape on woodcutting performance in two beaver (Castoridae, Rodentia)." Journal of Vertebrate Paleontology **24**(3): 107A.
- Rybczynski, N. (2007). "Castorid phylogenetics: Implications for the evolution of tree-exploitation by beavers." Journal of Mammalian Evolution **14**: 1-35.
- Rybczynski, N. (2008). "Woodcutting behavior in beavers (Castoridae, Rodentia): estimating ecological performance in a modern and a fossil taxon." Paleobiology **34**(3): 389-402.
- Tedford, R. H. and C. R. Harington (2003). "An Arctic mammal fauna from the Early Pliocene of North America." Nature **425**: 388 - 390.
- Zakrzewski, R. J. and C. R. Harington (2001). "Unusual Pliocene rodent from the Canadian Arctic Islands." Journal of Vertebrate Paleontology **21**(3 (Supplement)): 116A-117A.