



CHAPTER 13 - REFERENCES

13. REFERENCES

- Allen, W.T.R, 1977. Freeze-Up, Break-Up and Ice Thickness in Canada. Report No. CLI-1-77, Atmospheric Environment, Fisheries and Environment Canada, Downsview, ON.
- ABC Companies 2007. TD 925 Double Deck. Faribault, Minnesota. <http://www.abc-companies.com/models/TD925_specs.asp> (12 February 2010).
- Adams, D.J. and T.M. Pickett. 1998. Microbial and Cell-Free Selenium Bioreduction in Mining Waters. *In* Environmental Chemistry of Selenium. Eds. W.T Frankenberger, Jr. and R.A. Engberg. Marcel Dekker, Inc. pp. 479-499.
- Alsop, F.J. 2001. Birds of North America, eastern region. DK Publishing, Inc., New York, New York.
- Alexander, S.M. and N.M. Waters, 2000. GIS-T and the Effects of Highway Transportation Corridors on Wildlife. Transportation Research, Part C. Pergamon. 8 (2000):307-320.
- American Society of Civil Engineers Task Committee on Hydrology Handbook (ASCE). 1996. *Hydrology Handbook*, ASCE Publications, 784 p.
- American Native Languages. 2010. <<http://www.native-languages.org/cree.htm>> (Apr. 19, 2010).
- Anderson, R.C. 1972. The ecological relationships of meningeal worm and native cervids in North America. *Journal of Wildlife Diseases* 8:304-310.
- Anderson, A. 2008. Personal Communication between Rob Nielsen (Biologist, URS) and Alfred Anderson, Norway House, Manitoba on January 18, 2008.
- Andren, H. 1996. Population Responses to Habitat Fragmentation: Statistical Power and the Random Sample Hypothesis. *Oikos* 76, no. 2: 235-242.
- API (American Petroleum Institute). 1995. API RP 56. Recommended Practices for Testing Sand Used in Hydraulic Fracturing Operations.
- ASCE (American Society of Civil Engineers). 1996. *Hydrology Handbook*. ASCE Task Committee on Hydrology Handbook. ASCE Publications. 784p.
- AWWA and ASCE (American Water Works Association and American Society of Civil Engineers). 2005. *Water Treatment Plant Design*. Fourth Edition. E.E. Baruth. Technical Editor. McGraw-Hill Handbooks.
- Barbour, M.T., J Gerritsen, B.D. Snyder and, J.B. Stribling. 1999. *Rapid Bioassessment Protocols For Use in Streams and Wadeable Rivers: Periphyton, Benthic Macroinvertebrates, and Fish*. U.S. Environmental Protection Agency; Office of Water. Second Edition.
- Bélisle, M., and C. C. St. Clair. 2001. Cumulative effects of barriers on the movement of forest birds. *Conservation Ecology* 5(2):9
- Bergerud, A.T. 1988. Caribou, wolves and man. *Tree* 3(3):68-72.
- Besser, J.M., T.J. Canfield, and T.W. La Point. 1993. Bioaccumulation of organic and inorganic selenium in a laboratory food chain. *Environmental Toxicology and Chemistry* 12: 57-72.
- Betcher, R., Grove G., and Pupp, C. 1995. *Groundwater in Manitoba: Hydrogeology, Quality Concerns, Management*; NHRI Contribution No. CS-93017; Environmental Sciences Division, National Hydrology Research Unit (NHRI), Environment Canada, Saskatoon, Saskatchewan.
- Bevans, H. and S. Parsons, P. Ziemkiewicz, B. Winters et al. 2005. A Framework for Selenium Studies in the Appalachian Plateaus. Topic WQ-4. White Paper Topic. Prediction and Treatment of Selenium. <<http://aciddrainage.com/ps/wq-4.cfm>> (Mar. 27, 2009).
- Bilecki, L.C. 2003. Bat Hibernacula in Karst Landscape of Central Manitoba: Protecting Critical Wildlife Habitat while Managing for Resource Development. M.Sc. Thesis, Natural Resources Institute, University Manitoba, 142 pages.
- Bray, J.R. and J.T. Curtis. 1957. Ordination of Upland Forest Communities of Southern Wisconsin. *Ecol. Monogr.* 27: pp. 325-349.
- Brown, T.M. et al. 2000. Co-management: An evolving process for the future of wildlife management? *Transactions of the North American Wildlife and Natural Resources Conference*: 65 (2000): 262-277.
- Brown, G.S., W.J. Rettie, R.J. Brooks, F.F. Mallory. 2007. Predicting the impacts of forest management on woodland caribou habitat suitability in black spruce boreal forest. *Forest Ecology and Management* 245:137-147.

- Brown, K.G., C. Elliott, and Francois Messier. 1998. Seasonal distribution and population parameters of woodland caribou in central Manitoba; implications for forestry practices. *Rangifer* Special Issue No. 12:85-94.
- Buchanan, T.J., and W.P. Somers. 1969. Discharge measurements at gaging stations: U.S. Geological Survey Techniques of Water-Resources Investigations. Book 3. Chap. A8, 65 p.
- Buckley, J. 1989. Species profiles: Life histories and environmental requirements of coastal fishes and invertebrates (North Atlantic), rainbow smelt. Coastal Ecology Group, Waterways Experimental Station, U.S. Army Corps of Engineers, Vicksburg, Massachusetts and U.S. Department of the Interior, Fish and Wildlife Service, Research and Development, National Wetlands Research Center, Washington, DC.
- Burt, W.H. and R.P. Grossenheider 1992. Les mammifères de l'Amérique du Nord (au nord du Mexique). Éditions Broquet inc. Québec. Canada.
- Buskirk, S.W and R.A. Powell. 1994. Habitat ecology of fishers and American martens. IN S.W. Buskirk, A.S. Harestad, M.G. Raphael, and R.A. Powell. Eds. Martens, sables, and fishers. Biology and conservation. Cornell University Press, Ithaca, NY. pp 283-296.
- Butler, J.J., Jr. 1988. Pumping tests in nonuniform aquifers - the radially symmetric case, *Journal of Hydrology*, Vol. 101, pp. 15-30.
- Campbell, D. and L. Rochefort. 2001. La végétation: gradients. In *Écologie des tourbières du Québec-Labrador*. Serge Payette and Line Rochefort (Ed.). Les Presses de l'Université Laval, Québec, pp.125-140.
- Canadian Dam Association (CDA). 2007. Dam Safety Guidelines.
- Canadian Wildlife Service. 2004. Environmental assessment best practice guide for wildlife at risk in Canada. Canadian Wildlife Service, Environment, Canada, Gatineau, Quebec.
- Caterpillar. "Caterpillar 36D L Hydraulic Excavator." Medium Hydraulic Excavators. 2010. <<http://www.cat.com/cmms/17470733?x=7>> (13 February 2010).
- Caterpillar. "Caterpillar 385C L Hydraulic Excavator." Large Hydraulic Excavators. 2010. <<http://www.cat.com/cmms/13913080?x=7>> (13 February 2010).
- Caterpillar. "Caterpillar 785D Water Truck." Mining Trucks. 2010. <<http://www.cat.com/cmms/17305885?x=7>> (13 February 2010).
- Caterpillar. "Caterpillar 854K Wheel Dozer." Large Wheel Dozer. 2010. <<http://www.cat.com/cmms/17425471?x=7>> (13 February 2010).
- Caterpillar. "Caterpillar 980H Wheel Loader." Midsize Wheel Loaders. 2010 <<http://www.cat.com/cda/layout?m=308898&x=7>> (13 February 2010).
- Caterpillar. "Caterpillar D10T Track-type Tractor." Large track-Type Tractor. 2010. <<http://www.cat.com/cmms/17732721?x=7>> (13 February 2010).
- Caterpillar. "Caterpillar Vibratory Soil Compactor CS56." Vibratory Soil Compactors. 2010. <<http://www.cat.com/equipment/compactors/vibratory-soil-compactors>> (13 February 2010).
- CCME (Canadian Council of Ministers of the Environment). 1999. Canadian Sediment Quality Guidelines for the Protection of Aquatic Life Chromium. <http://ceqg-rcqe.ccm.ca/download/en/233/> (March 24, 2010).
- CCME. 2002. Canadian Sediment Quality Guidelines for the Protection of Aquatic Life.
- CCME. 2006. Canadian Water Quality Guidelines for the Protection of Aquatic Life.
- CCME. 2007. Canadian Water Quality Guidelines for the Protection of Aquatic Life. September 2007.
- CCME. 2007. Canadian Soil Quality Guidelines for the Protection of Environmental and Human Health: Summary Tables. Updated September, 2007.
- CEAA (Canadian Environmental Assessment Agency). 2003. Canadian Environmental Assessment Act.
- Campbell, K.B., A.J. Derksen, R.A. Remnant, and K.W. Stewart. 1991. First specimens of the rainbow smelt, *Osmerus mordax*, from Lake Winnipeg, Manitoba. *Canadian Field-naturalist* 105(4):568-570.
- Chapman, P. 2004. Selenium from coal mining in the Elk River Valley. Proceedings of the Mine Reclamation Symposium Proceedings. British Columbia Technical and Research Committee on Reclamation (TRCR). www.trcr.bc.ca/docs/2004-chapman.pdf (accessed: March 16, 2010)
- Chapman, P.M. 2006. Selenium Monitoring and Management – New Mines. Proc. Thirtieth Annual *British Columbia* Mine Reclamation Symposium, *Smithers*, British Columbia, June 2006.
- Chilibeck, B. Land development guidelines for the protection of aquatic habitat. The Ministry of Environment, Lands and Parks, Integrated Management Branch. 1993.

- Christensen, J. H., B. Hewitson, A. Busuioc, A. Chen, X. Gao, I. Held, R. Jones, R.K. Kolli, W.-T. Kwon, R. Laprise, V. Magana Rueda, L. Mearns, C.G. Menéndez, J. Raiasanen, A. Rinke, A. Sarr and P. Whetton, 2007: Regional Climate Projections. In: Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change [Solomon, S., D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor and H. L. Miller (eds)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA. <<http://www.ipcc.ch/ipccreports/ar4-wg1.htm>> (July 14, 2009).
- Chruszcz, B. A.P. Clavenger, K.E. Gunson, and M.L. Gibeau. 2003. Relationships among grizzly bears, highways, and habitat in the Banff-Bow Valley, Alberta, Canada. *Can. J. of Zoology* 81: 1378-1391.
- Clevenger, A. P., B. Chruszcz, and K. E. Gunson. 2001. Highway mitigation fencing reduces wildlife-vehicle collisions. *Wildlife Society Bulletin* 29:646-653.
- Climate Change Saskatchewan. "Comparative Greenhouse Gas Emissions- actual and projected-Alberta, Saskatchewan, Manitoba." <[http://www.climatechangesask.ca/images/0827\(01\)GHGSKABMB-1990-2020.pdf](http://www.climatechangesask.ca/images/0827(01)GHGSKABMB-1990-2020.pdf)> (18 February 2010).
- City Crane and Equipment Inc. "National 880D Truck Crane." National Truck Crane. 2010. <http://cranenetworks.com/search/companies_results.asp?contactID=4273> (14 February 2010).
- Colbeck, S.C., 1972. A theory of water percolation in dry snow. *Water Resources Research*, 12 (3), 523-527.
- Cooper, H.H. and C.E. Jacob, 1946. A generalized graphical method for evaluating formation constants and summarizing well field history, *Am. Geophys. Union Trans.* Vol. 27, pp. 526-534.
- COSEWIC (Committee on the Status of Endangered Wildlife in Canada). 2001. Canadian species at risk.
- COSEWIC. 2002. Canadian species at risk.
- COSEWIC. 2004. Canadian species at risk.
- COSEWIC. 2005. Canadian species at risk.
- Crossman, E.J. and W.B. Scott. 1973. Freshwater fishes of Canada. Bulletin 184, Fisheries Research Board of Canada, Ottawa, Ontario.
- Densmore, R.V. 1979. Aspects of the seed ecology of woody plants of the Alaskan taiga and tundra. Ph.D. Dissertation, Duke University, Durham, N. Carolina. 285 pp.
- Densmore, R. V., M.E. Vander Meer, and N.G. Dunkle. 2000. Native Plant Revegetation Manual for Denali National Park and Preserve. Information and Technology Report. USGS/BRD/ITR-2000-0006.
- DFO (Department of Fisheries and Oceans). 1986. The Department of Fisheries and Oceans Policy for the Management of Fish Habitat. Fish Habitat Management Br., Ottawa. 28 pp.
- DFO (Department of Fisheries and Oceans) and MELP (Min. of Environment, Lands and Parks). 1992. Land Development Guidelines for the Protection of Aquatic Habitat. Compiled and edited by: B. Chilibeck, DFO and G. Chislett and G. Norris, MELP.
- Department of Indian Affairs and Northern Development (DIAND).
- Déry, S.J., and Yau, M.K. (2002). "Large-scale mass balance effects of blowing snow and surface sublimation". *Journal of Geophysical Research*, Vol. 107, NO. D23, 4679, doi:10.1029/2001JD001251.
- DHR Associates. 2008. Socio-Economic Assessment Report for the Minago Project. Prepared for: Victory Nickel Inc.
- Dickinson, R. and F. Royer. 1999. Weeds of the Northern U.S. and Canada. University of Alberta Press. Edmonton, Alberta, Canada.
- Dingman, S.L., 2002. Physical Hydrology, Second Edition. Prentice-Hall Inc., Upper Saddle River, NJ.
- Duchesne, M., S.D. Côté, and C. Barette. 2000. Responses of woodland caribou to winter ecotourism in the Charlevoix Biosphere Reserve, Canada. *Biological Conservation* 96:311-317.
- Dunn, J. and K. Garrett. 1997. Warblers. Houghton Mifflin Company, New York, New York.
- Dyer, S.J. 1999. Movement and distribution of woodland caribou (*Rangifer tarandus caribou*) in response to industrial development in Northeastern Alberta. M.Sc. Thesis, University of Alberta, Edmonton, Alberta. 106 pages.
- Eccles, R., and J. Duncan. 1986. Wildlife monitoring studies along the Norman Wells-Zama oil pipeline, April 1985 - May 1986. Prepared by LGL Limited Environmental Research Associates for Interprovincial Pipeline (NW) Ltd. Calgary, AB.
- Elbroch, M. 2003. Mammal tracks & sign. Stackpole Books, Mechanicsburg, Pennsylvania.
- Elbroch, M. and E. Marks. 2001. Bird tracks & sign. Stackpole Books, Mechanicsburg, Pennsylvania.

- Elliott, C. 2008. Wildlife Manager, Northeast Region, Manitoba Conservation, Thompson, Manitoba. Phone conversation with Cam Elliot, January 2008.
- Engberg, R.A., D.W. Westcot, M. Delamore, D.D. Holtz. 1998. Federal and State Perspectives on Regulation and Remediation of Irrigation-Induced Selenium Problems. *In* Environmental Chemistry of Selenium. Eds. W.T Frankenberger, Jr. and R.A. Engberg. Marcel Dekker, Inc. pp.3-25.
- Environment Canada. AQUAMIN Final Report. Environment Canada, 1996.
- Environment Canada. 1998. Canadian sediment quality guidelines for chromium: Supporting document. Environmental Conservation Service, Ecosystem Science Directorate, Science Policy and Environmental Quality Branch, Guidelines and Standards Division, Ottawa. Draft.
- Environment Canada. 2002a. Metal Mining Effluent Regulations. SOR/202-222. June 6, 2002. Canada Gazette Part II, Vol. 136, No. 13.
- Environment Canada. 2002b. Metal Mining Guidance Document for Aquatic Environmental Effects Monitoring. Environment Canada, Gatineau, QC. Referenced from <<http://www.ec.gc.ca/eem/English/MetalMining/Guidance/default.cfm>> (January 15, 2008). Last updated 15 August 2005.
- Environment Canada. 2004. National Climate Data and Information Archive, Canadian Climate Normals 1971-2000. <http://climate.weatheroffice.ec.gc.ca/climate_normals/stnselect_f.html> (September 16, 2008).
- Environment Canada. "Annex 11: Provincial Territorial Greenhouse Gas Emission Tables, 1990-2005: Summary for Manitoba." *National Inventory Report, 1990-2005: Greenhouse Gas Sources and Sinks in Canada*. <http://www.ec.gc.ca/pdb/ghg/inventory_report/2005_report/ta11_14_eng.cfm> (19 February 2010).
- Environment Canada. "Annex 8: Canada's Greenhouse Gas Emission Tables, 1990-2005." *National Inventory Report, 1990-2005: Greenhouse Gas Sources and Sinks in Canada*. <http://www.ec.gc.ca/pdb/ghg/inventory_report/2005_report/ta8_2_eng.cfm> (19 February 2010).
- Environment Canada. "Canada's Greenhouse Gas Emissions: Understanding the Trends, 1990-2006" <http://www.ec.gc.ca/pdb/GHG/inventory_report/2008_trends/trends_eng.cfm#toc_4> (March 11, 2010).
- Environment Canada. 2005. National Climate Data and Informative Archive.
- Environment Canada. 2006. Understanding the Metal Mining Environmental Effects Monitoring Program. <http://www.ec.gc.ca/eem/English/Publications/web_publication/MM_understanding/default.cfm> (Jan. 16, 2008).
- EC (Environment Canada). 2007. Canadian Snow Data: Daily Snow Depth and Snow Water Equivalent; Snow Water Equivalent Database, update to 2004. Climate Processes and Earth Observation Division, Meteorological Service of Canada, Environment Canada, Downsview, Ontario, Canada. <<http://www.ccin.ca>> (Dec. 2007).
- Environment Canada. 2007b. Species at risk in Manitoba. Environment Canada. <<http://www.pnr-rpn.ec.gc.ca/nature/endspecies/sar/db08s03.en.html>> (Dec. 2007).
- EC. 2008a. Adjusted Historical Canadian Climate Data (AHCCD). <<http://www.cccma.bc.ec.gc.ca/hccd>> (Sept. 2008).
- EC. 2008b. National Climate Data and Information Archive. <http://www.climate.weatheroffice.ec.gc.ca/climateData/canada_e.html> (Sept. 2008).
- EC. 2008c. Wind, Radiation and Evaporation data for various stations in Manitoba. Email attachment obtained in September 2008 from Environment Canada, Pacific and Yukon Region, Client Services and Outreach Section.
- EC. 2008d. Archived Hydrometric Data. Water Survey of Canada. <http://www.wsc.ec.gc.ca/hydat/H2O/index_e.cfm?cname=main_e.cfm> (Sept. 2008).
- EC. 2008e. Archived Sediment Data. Water Survey of Canada. <http://www.wsc.ec.gc.ca/sedat/sedflo/index_e.cfm?cname=main_e.cfm> (Sept. 2008).
- EMRC (Energy, Mines and Resources Canada), 1995. The National Atlas of Canada, 5th Edition, 1978 to 1995. Ottawa, ON.
- EPA (Environmental Protection Agency). 2000. Guidance for assessing chemical contaminant data for use in fish advisories, Volume 1, Fish sampling and analysis. Office of Water, U.S. Environmental Protection Agency, Washington, DC.
- ER (Earth Resources Mapping). 2007. Minago region orthorectified aerial photograph. Earth Resources Mapping, West Leederville, Western Australia.

- Essery, R., Li, L., and Pomeroy, J. (1999). "A distributed model of blowing snow over complex terrain". *Hydrological Processes*, Vol.13, p. 2423-2438.
- Fallding, H. 2004. Battle brewing over colour-shifting lake. *In* Winnipeg Free Press, September 2, 2004 issue, Winnipeg, Manitoba.
- Ferguson, S.H. and P.C. Elkie. 2004. Habitat requirements of boreal forest caribou during the travel seasons. *Basic and Applied Ecology* 5:465-474.
- Foote, A. L. 2005. Principles, Perspectives and Ethics of Conservation-hunting. Pp 65-68 (In) *Conservation Hunting: People and Wildlife in Canada's North*. Canadian Circumpolar Institute Occasional Publication No. 56.
- Ford Canada. "Specifics and Options." *Trucks Ranger*. <<http://www.ford.ca/app/fo/en/trucks/ranger.do>> (20 February 2010).
- Ford Canada. "Specifics and Options." *Trucks E-Series*. <<http://www.ford.ca/app/fo/en/trucks/eseries.do>> (20 February 2010).
- Ford, B. S., P. S. Higgins, A. F. Lewis, K. L. Cooper, T. A. Watson, C. M. Gee, G. L. Ennis and R. L. Sweeting. 1995. Literature reviews of the life history, habitat requirements and mitigation/compensation strategies for thirteen sport fish species in the Peace, Liard and Columbia River drainages, of British Columbia. *Can. Manuscript. Rep. Fish. Aquatic. Sci.* 2321: xxiv+342 p. Forest and Range Practices.
- Foster, D.R. and H.E. Wright. 1990. Role of ecosystem development and climate change in bog formation in central Sweden. *Ecology*, 71, 450-463.
- Frankenberger, W.T., Jr. and U. Karlson. 1994. Microbial Volatilization of Selenium from Soils and Sediments. *In* *Selenium in the Environment*. Eds. W.T Frankenberger, Jr. and S. Benson. Marcel Dekker, Inc. New York. pp. 369-387.
- Franzin, W.G., B.A. Barton, R.A. Remnant, D.B. Wain, and S.J. Pagel. 1994. Range extension, present and potential distribution, and possible effects of rainbow smelt in Hudson Bay drainage waters of northwestern Ontario, Manitoba, and Minnesota. *North American Journal of Fisheries Management* 14:65-76.
- Franzin, W.G., K.W. Stewart, G.F. Hanke, and L. Heuring. 2003. The fish and fisheries of Lake Winnipeg; the first 100 years. *Canadian Technical Report of Fisheries and Aquatic Sciences* 2398. Central and Arctic Region, Department of Fisheries and Oceans, Winnipeg, Manitoba.
- Friske, P.W.B., and E.H.W. Hornbrook. 1991. Canada's National Geochemical Reconnaissance Programme. *Trans. Inst. Min. Metall.* 100:B47-B56.
- Gabor, T.S., A.K. North, L.C.M. Ross, H.R. Murkin, J.S. Anderson and M. Raven. 2004. Natural Values – The Importance of Wetland and Upland Conservation Practice in Watershed Management: Function and Values for Water Quality and Quantity. Ducks Unlimited Canada, Manitoba, 55 p.
- Gasaway, W.C., S.D. Dubois, D.J. Reed, and S.J. Harbo. 1986. Estimating moose population parameters from aerial surveys. *Biological Papers of the University of Alaska*, Number 22. University of Alaska, Fairbanks, Alaska.
- Gent, M.R. 1993. Preliminary Investigations of Silica Sand Resources of Saskatchewan. Saskatchewan Energy and Mines, Saskatchewan Geological Survey. 50p.
- Geographic Dynamics Corp. 2002. Shrub Species Review for Boreal Ecosite Re-establishment in the Oil Sands Region. Prepared For: Oil Sands Soil and Vegetation Working Group, Fort McMurray, AB T9H.
- General Motor. "Chevrolet Silverado 2500HD Key Features." *2010 Silverado Details*. <<http://www.gm.ca/gm/english/vehicles/chevrolet/silverado/model-detail02-key-features>> (accessed: 19 February 2010).
- Gibeau, M.L. and K. Heuer. 1996. Effects of transportation corridors on large carnivores in the Bow River Valley, Alberta. Proceedings of the Florida Department of Transportation/Federal Highway Administration Transportation-related Wildlife Mortality Seminar, April 30-May 2, 1996. U.S. Department of Transportation. Federal Highway Administration. FHWA-PD-96-041, Washington, DC.
- Golden, H.N., J.D. Henry, E.F. Becker, M.I. Goldstein, J.M. Morton, D. Frost, Sr., and A.J. Poe. 2007. Estimating wolverine *Gulo gulo* population size using quadrant sampling of tracks in snow. *Wildlife Biology* 13 (Suppl. 2):52-61.
- Golder Associates. 2008a. Summary of the Observation Well Program for Minago Project, Letter Report prepared for Victory Nickel, Inc., dated May 20, 2008.
- Golder Associates. 2008b. Final Report on Hydrogeologic Investigations of Dewatering Requirements for the Proposed Open Pit - Minago, Manitoba.

- Golder Associates. 2009. Hydrologic Baseline Study - Minago Project, Manitoba. Prepared for Victory Nickel, Inc., dated January 22, 2009. Report 08-1428-0024.
- Goodyear, K.L. and S McNeill. 1999. Bioaccumulation of heavy metals by aquatic macro-invertebrates of different feeding guilds: A Review. *Science of the Total Environment* 229 (1999): 1-19.
- Government of Canada, 1996. Ecological Areas. Agriculture and Agri-Food Canada: Ecological Stratification Working Group-A National Ecological Framework for Canada. Ottawa, Ontario, Canada. Available online.
- Government of Canada. 1994. Chromium and its compounds. Canadian Environmental Protection Act Priority Substances List Assessment Report. Environment Canada and Health Canada, Ottawa.
- Government of Manitoba, Community Profiles
- Gusek, J.J., K.W. Conroy, T. Rutkowski. 2008. Powerpoint Presentation: The Past, Present, and Future of Selenium Treatment. 2008 Tailings & Mine Waste.
- Halverson, N.V. 2004. Review of Constructed Subsurface Flow vs. Surface Flow Wetlands. U.S. Department of Energy, Westinghouse Savannah River Company, WSRC-TR-2004-00509, Aiken, South Carolina, 42 p.
- Hamilton, S. J. 2004. Review of selenium toxicity in the aquatic food chain. *Science of the Total Environment*. 326 (2004): 1-31.
- Hamilton, S.J. and K.J. Buhl. 2003. Selenium and other trace elements in water, sediment, aquatic plants, aquatic invertebrates and fish from streams in southeast Idaho near phosphate mining operations: September 2000. U.S. Geological Survey. 2003.
- Hamilton, S. J., K. J. Buhl, N. L. Faerber. 1989. Toxicity of selenium in the diet to chinook salmon. *In* Selenium and Agricultural Drainage: Implications for San Francisco Bay and the California Environment. Proc. Of the Fourth Selenium Symposium, ed. A.Q. Howard, Tiburon, Ca. The Bay Institute of San Francisco. pp. 22-30.
- Hantush, M.S. and C.E. Jacob. 1955. Non-steady radial flow in an infinite leaky aquifer, *Am. Geophys. Union Trans.*, Vol. 36, pp. 95-100.
- Health Canada. National Ambient Air Quality Objectives (NAAQOs). <<http://www.hc-sc.gc.ca/ewh-semt/air/out-ext/reg-eng.php#a3>> (March 10, 2010)
- Heginbottom, J.A. (Compiler). 1989. A Survey of Geomorphic Processes in Canada. In Quaternary Geology of Canada and Greenland, R.J. Fulton (Editor), Geology of Canada No. 1, Geological Survey of Canada, Ottawa, ON, and Vol. K-1, Geology of North America, Decade of North American Geology, Geological Society, 573-644.
- Heinz, G.H., D.J. Hoffman, D.J., L.J. LeCaptain. 1996. Toxicity of seleno-L-methionine, seleno-DL-methionine, high selenium wheat, and selenized yeast to mallard ducklings. *Arch. Environ. Contam. Toxicology* 1996 (30): 93-99.
- Henson, P. and T.A. Grant. 1991. The effects of human disturbance on Trumpeter Swan. *Cygnus buccinator*, nest. *Can. Field-Nat.* 106:128-130.
- Hershfield, D.M., 1977. Some Tools for Hydrometeorologists. Reprints, 2nd Conference on Hydrometeorology, American Meteorological Society, Boston, MA.
- Hickman, C. P. Jr., Roberts, L.S. and A. Larson. 1997. Integrated Principles of Zoology. McGraw Hill. WCB/McGraw-Hill, 901 pages.
- Higgins, J. and A. Mattes. 2001. The Use of Engineered Wetlands to Treat Mine Drainage. German-North American Environmental Conference, The Rehabilitation of Industrial Wasteland and Post-Mining Landscapes, Görlitz, Saxony, 16 p.
- Hinck, J.E., C.J. Schmitt, T.M. Bartish, K.R. Echols, T.W. May, C.E. Orazio, and D.E. Tillett. 2006. Environmental contaminants in fish and their associated risk to piscivorous wildlife in the Yukon River Basin, Alaska. *Archives of Environmental Contamination and Toxicology* 51:661-672.
- Hirai, T. 1998. An evaluation of woodland caribou (*Rangifer tarandus caribou*) calving habitat in the Wabowden area, Manitoba. M.S. Thesis. Natural Resources Institute, The University of Manitoba, Winnipeg, Manitoba.
- Hoffman, D.J., G.H. Heinz, L.J. LeCaptain, J.D. Eisermann, G.W. Pendleton. 1996. Toxicity and oxidative stress of different forms of organic selenium and dietary protein in mallard ducklings. *Arch. Environ. Contam. Toxicology* 1996 (31): 120-127.
- Holtz, R.D. and W.D. Kovacs. 1981. An Introduction to Geotechnical Engineering. Prentice Hall. 733p.

- Hopkinson, R.F., 1999. Point Probable Maximum Precipitation for the Prairies Provinces. Report AHSD-R99-01, Environment Canada, Atmospheric Environment Branch, Atmospheric & Hydrologic Division, Prairies Section, July 1999.
- Howard P.H., Boethling R.S., Jarvis W.F., Meylan W.M. and E.M. Michalenko 1991, Handbook of environmental degradation rates. Lewis Publisher, Michigan, 725 pages.
- Hudson Bay (Hudson Bay Mining and Smelting Company). <<http://www.hudbayminerals.com>> (2009).
- Hyland J., Karakassis, I., Magni, P., Petrov, A. and J. Shine. 2000. Summary Report: Benthic Indicator Group. Results of initial planning meeting of the United Nations Educational, Scientific and Cultural Organization (UNESCO). 70 pages.
- Hyster Americas. "Hyster 80-120FT Series." <http://www.hyster.com/Americas/SiteCollectionDocuments/Products/H80-120FT_BTG.pdf> (13 February 2010).
- IFC (Instream Flow Council). 2004. Instream Flows for Riverine Resource Stewardship. Instream Flow Council, Cheyenne, WY, 268 p.
- IM&M Consulting. 2008. IM&M Rail Load-Out Design. Prepared for: Victory Nickel Inc.
- INAC (Indian and Northern Affairs Canada). <<http://www.ainc-inac.gc.ca>> (2009).
- INAC (Indian and Northern Affairs Canada). 2009a. Backgrounder - Manitoba Northern Flood Agreement Implementation - Cross Lake First Nation. <<http://www.ainc-inac.gc.ca/ai/mr/is/baccros-eng.asp>> (June 15, 2009).
- INAC (Indian and Northern Affairs Canada). 2009b. Chronology of Highlights - Implementation of Manitoba Northern Flood Agreement. <<http://www.ainc-inac.gc.ca/ai/mr/is/chr-eng.asp>> (June 15, 2009).
- Jalkotzy, M.G., P.I. Ross and M.D. Nasserden. 1997. The Effects of Linear Developments on Wildlife: A Review of Selected Scientific Literature. Prepared for Canadian Association of Petroleum Producers. Arc Wildlife Services, Ltd., Calgary. 115 pp.
- Johnson, D., L. Kershaw, A. MacKinnon and J. Pojar. 1995. Plants of the Western Boreal Forest & Aspen Parkland. Lone Pine Publishing, Edmonton, Canada.
- Johnston, G.H. (Editor). 1981. Permafrost: Engineering Design and Construction. Associate Committee on Geotechnical Research, National Research Council of Canada, John Wiley and Sons Canada Ltd., Toronto, ON.
- Joly, K., B.W. Dale, W.B. Collins, and L.G. Adams. 2003. Winter habitat use by female caribou in relation to wildland fires in interior Alaska. Canadian Journal of Zoology 81: 1192-1201.
- Kadlec, R.H. and S.D. Wallace. 2008. Treatment Wetlands. 2nd Edition. CRC Press (Taylor & Francis Group), United States, 1016 p.
- Karr, J and E. Chu. 1999. Restoring Life in Running Waters – Better Biological Monitoring." Island Press. Covelo, CA.
- Kaufman, K. 2000. Birds of North America. Houghton Mifflin Company, New York, New York.
- Kenneth S. Coates & William R. Morrison. 1986. Treaty Research Report: Treaty 5 (1875). Treaties and Historical Research Centre, [Indian and Northern Affairs Canada](http://www.aic.ca) (1986), pp. 10-13.
- Keystone. 2006. Identification and management of moose winter habitat in the Caribou Region. Prepared for the BC Ministry of Environment, Williams Lake, BC by Keystone Wildlife Research, White Rock, BC.
- King, G. 2007. Personal Communication between Rob Nielsen (Biologist, URS) and Greg King, Grand Rapids, Manitoba, on May 16, 2007.
- Kleinmann, R.L. 1985. Treatment of acid mine water by wetlands. In Control of Acid Mine Drainage. Proc. of a Technology Transfer Seminar. Bureau of Mines circulator #9027. US Dept. of Interior. pp. 48-52.
- Koehler, G.M. 1990. Population and habitat characteristics of lynx and snowshoe hares in north central Washington. Can. J. Zool. 68:845-851.
- Komatsu America Corp. "Komatsu 830E-AC Electric Drive Truck." 2006. <<http://www.komatsu.com.au/equipment/new/dumptruckr/Documents/830E-AC.pdf>> (13 February 2010).
- Komatsu America Corp. "Komatsu HD 325-7 Sand Truck." Mechanical Dump Truck. 2010. <http://www.komatsuamerica.com/?p=equipment&f1=view&prdt_id=896> (14 February 2010).
- Kottek, M., Grieser, J., Beck, C., Rudolf, B., Rubel, F., 2006. World Map of the Koppen-Geiger Climate Classification Updated. Meteorologische Zeitschrift, 15(3):259-263.

- Kricher, J.C. and G. Morrison. 1988. Ecology of eastern forests. Houghton Mifflin Company, New York, New York.
- Kwong Y.T. and J.R. Lawrence. 1994. Mineralogical Controls of Sulfide Oxidation. National Hydrology Research Institute, NHRI contribution no. 94010. September.
- Lafleur, P.M., McCaughey, J.H., Joiner, D.W., Bartlett, P.A., and Jelinski, D.E. 1997. Seasonal trends in energy, water, and carbon dioxide fluxes at a northern boreal wetland, *Journal of Geophysical Research*, Vol. 102, No. 29, pp. 9-29.
- Lee, T. 2001. Systematic Revision of the Sphaeriinae (Mollusca, Bivalvia, Veneroidea, Sphaeriidae). Ph.D. Thesis, University of Michigan, 198 pages.
- Lemke, P., J. Ren, R.B. Alley, I. Allison, J. Carrasco, G. Flato, Y. Fujii, G. Kaser, P. Mote, R.H. Thomas and T. Zhang, 2007: Observations: Changes in Snow, Ice and Frozen Ground. In: Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change [Solomon, S., D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor and H. L. Miller (eds)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.
- Lemly, A.D. 1998. Pathology of Selenium Poisoning in Fish. In Environmental Chemistry of Selenium. Eds. W.T Frankenberger, Jr. and R.A. Engberg. Marcel Dekker, Inc. pp. 281-296.
- Lemly, A.D. 2002. Selenium Assessment in Aquatic Ecosystems. A Guide for Hazard Evaluation and Water Quality Criteria. Springer Verlag.
- Lemly, A.D. 2004. Recommendations for Pre-Mine Assessment of Selenium Hazards Associated with Coal Mining in West Virginia.
<http://www.ohvec.org/issues/mountaintop_removal/articles/EIS_lemly%20.pdf> (August 4, 2009).
- Lenormand, F., Duguay, C.R., and Gauthier, R., 2002. Canadian Ice Database. Laboratoire de télédétection et de modélisation des environnements froids. Centre d'études nordiques, Département de géographie, Université Laval, Québec, QC.
- Leroux, S.J., F.K.A. Schmiegel, and J.A. Nagy. 2007. Potential spatial overlap of heritage sites and protected areas in a boreal region of northern Canada. *Conservation Biology* 21(2):376-386.
- Le Tourneau. "Le Tourneau L-1350." *Le Tourneau Technologies Mining Products*. 2007. <<http://www.letourneau-inc.com/mining/pdf/L-1350.pdf>> (14 February 2010).
- Lundquist, T.J., F.B. Green, R.B. Tresan, R.D. Newman, and W.J. Oswald. 1994. The Agal-Bacterial Selenium Removal System: Mechanisms and Field Study. In Selenium in the Environment. Eds. W.T Frankenberger, Jr. and S. Benson. Marcel dekker, Inc. New York. pp. 251-278.
- Lysack, W. and A.H. Kristofferson. 2004. Changes in Lake Winnipeg's commercial fishery. In Annual Conference of the International Association of Great Lakes Research, Waterloo (Canada), 24-28 May 2004.
- MacDonald, D. 2007. Manitoba Conservation, Ecological Service Division, Fisheries Branch. Thompson, Manitoba. Phone conversations with Don MacDonald, May-June 2007.
- Manahan, S.E. 2005. Environmental Chemistry, 8th Edition. CRC Press. 783p.
- Manitoba Conservation. 1998. Treatment and Disposal of Petroleum Contaminated Soils. (June 1996) Revised May 1998. <http://www.gov.mb.ca/conservation/pub-archive/publs96/gui9605.html>. (Apr. 14, 2010).
- Manitoba Conservation. 1989. Land Use/Land Cover Landsat TM Maps: Ponton Dataset. Manitoba Conservation, Manitoba Remote Sensing Centre. Winnipeg, Manitoba, Canada.
<<https://web2.gov.mb.ca/mli/landuse/index.html>> (2008).
- Manitoba Conservation. 2000a. Forest Inventory Maps: Forest Management Unit 54. Manitoba Conservation, Forest Resources Management. Winnipeg, Manitoba, Canada. Available online:
<<https://web2.gov.mb.ca/mli/forestry/index.html>> (2008).
- Manitoba Conservation. 2000b. Woodland caribou (*Rangifer tarandus caribou*) conservation and strategy for Manitoba. Manitoba Conservation, Wildlife and Ecosystem Branch, Winnipeg, Manitoba.
- Manitoba Conservation, 2002. Manitoba Water Quality Standards, Objectives and guidelines. Manitoba Conservation Report 2002-11, Water Quality Management Section, Water Branch, Winnipeg, MB.
- Manitoba Conservation. 2003. Manitoba Conservation forest practices handbook:Pre-harvest surveys. Manitoba Conservation, Wildlife and Ecosystem Branch, Winnipeg, Manitoba.
- Manitoba Conservation. 2005. Objectives and Guidelines for various Air Pollutants: Ambient Air Quality Criteria (updated: July 2005).

- Manitoba Conservation 2005. Manitoba's conservation and recovery for boreal woodland caribou (*Rangifer tarandus* caribou). Manitoba Conservation, Wildlife and Ecosystem Branch, Winnipeg, Manitoba.
- Manitoba Conservation. 2007a. 1:50,000 Topographic Maps (Limestone Bay, Gladish Lake, Hill Lake, William Lake, and Hargrave River). Map Sales, Manitoba Conservation, Winnipeg, Manitoba.
- Manitoba Conservation. 2007b. MBCDC Species of Conservation Concern. Manitoba Conservation, Conservation Data Centre, Winnipeg, Manitoba. <<http://web2.gov.mb.ca/conservation/cdc/info.php>> (2007).
- Manitoba Conservation. 2007c. Species listed under the Manitoba Endangered Species Act. Manitoba Conservation, Wildlife and Ecosystem Protection Branch, Winnipeg, Manitoba. <http://www.gov.mb.ca/conservation/wildlife/managing/sar_facts.html> (2007).
- Manitoba Conservation. 2007d. Wildlife and Ecosystem Protection Branch Frequently Asked Questions. Manitoba Conservation-Wildlife and Ecosystem Protection Branch. Winnipeg, Manitoba, Canada. Available online: <<http://www.gov.mb.ca/conservation/wildlife/faq/index.html#1>> (2007).
- Manitoba Conservation. 2007e. Wildlife and Ecosystem Protection Branch: Biodiversity Conservation Section. Winnipeg, Manitoba, Canada. Electronic Mail Communication from Ronald Hempel (Biodiversity Information Manager) dated June 15, 2007.
- Manitoba Conservation. 2007f. Annual Air Quality Statistics. Available online: <<http://www.gov.mb.ca/conservation/pollutionprevention/airquality/aq-info/index.html>> (2007).
- Manitoba Science, Technology, Energy and Mines. 2008a. Digital Elevation Model (DEM) with a 90 metre resolution; Downloaded data set was MB SRTM DEM.. <<http://www2.gov.mb.ca/itm-cat/freedownloads.htm>> (2008).
- Manitoba Science, Technology, Energy and Mines, Manitoba Geological Survey. 2008b. Targeted Geoscience Initiative (TGI). Williston Basin Architecture and Hydrocarbon Potential. Ordovician Winnipeg Formation: Isopach. Stratigraphic Map SM2008-OW-I.
- Manitoba Wildlands. 2007. New park reserve – Little Limestone Lake. Manitoba Wildlands Protected Areas Announcements, September 25, 2007. <http://maintobawildlands.org/pa_announce.htm> (2007).
- Margalef, R. 1958. Information theory on ecology. *Gen. Syst.* 3: pp. 36-71.
- Marsh, P., Woo M.K., 1985. Meltwater movement in natural heterogeneous snow covers. *Water Resources Research*, 21(11), 1710-1716.
- Marsh, P., Quinton, B., and Pomeroy, J. (1994). "Hydrological processes and runoff at the Arctic treeline in northwestern Canada". *Proceedings of the 10th International Northern Research Basin Symposium and Workshop*. Svalbar, Norway, p.368-397.
- Martell, K.A. 2004. Patterns of Riparian Disturbance in Alberta's Boreal Mixedwood Forest: Beavers, Roads, and Buffers. A thesis submitted to the Faculty of Graduate Studies and Research in partial fulfillment of the requirements for the degree of Master of Science.
- Matile, G.L.D., and Keller, G.D. 2006. Surficial geology of the Wekusko Lake map sheet (NTS 63J), Manitoba; Manitoba Science, Technology, Energy, and Mines; Manitoba Geological Survey, Surficial Geology Compilation Map Series SG-63J, scale 1:250 000.
- Macy, J.M. 1994. Biochemistry of Selenium Metabolism by *Thauera selenatis* gen. nov. sp. nov. and Use of the Organism for Bioremediation of Selenium Oxyanions in San Joaquin Valley Drainage Water. In *Selenium in the Environment*. Eds. W.T Frankenberger, Jr. and S. Benson. Marcel Dekker, Inc. New York. pp. 421-444.
- McCuen, R.H. 1982. *A Guide to Hydrologic Analysis Using SCS Methods*. Prentice-Hill, Inc. Englewood Cliffs, NJ.
- McCabe, H.R. 1978. Reservoir Potential of the Deadwood and Winnipeg Formations, Southwestern Manitoba; Geological Report 78-3, Manitoba Department of Mines and Environmental Management, 54 p.
- McDonald, L.E. and M.M. Strosher. 2000. Selenium mobilization from surface coal mining in the Elk River Basin, British Columbia: A Survey of Water, Sediment and Biota. BC Environment, Cranbrook, BC.
- Mekis, E, Hogg, W.D. 1999. Rehabilitation and Analysis of Canadian Daily Precipitation Time Series. *Atmosphere-Ocean* 37(1):53-85.
- Metcalf, J.R., Ishida, S., Goodison, B.E. 1994. A Corrected Precipitation Archive for the Northwest Territories. Environment Canada – Mackenzie Basin Impact Study, Interim Report #2, 110-117.
- Microbial Technologies Inc. 2007. Evaluation of Treatment Options to Reduce Water-Borne Selenium at Coal Mines in West-Central Alberta. Prepared for: Alberta Environment Water Research Users Group. Edmonton. <<http://environment.gov.ab.ca/info/library/7766.pdf>> (April 7, 2009).

- Moench, A.F. and T.A. Prickett. 1972. Radial flow in an infinite aquifer undergoing conversion from artesian to water-table conditions, *Water Resources Research*, Vol. 8, No. 2, pp. 494-499.
- Moisan, J. 2006. Guide d'identification des principaux macroinvertébrés benthiques d'eau douce du Québec. Surveillance volontaire des cours d'eau peu profonds. Direction du suivi de l'état de l'environnement. Ministère du Développement durable, de l'Environnement et des Parcs, 82 pages.
- Morgantini, L. and D. Eslinger. 1994. Logging and Elk in the Bighorn Creek Valley in Western Alberta: The Response of Elk and Important Forage Plants to Forest Harvesting (1988-1991). Final Report. Edmonton, Alta.: Dept. of Forest Science, University of Alberta in Cooperation with Alberta Environmental Protection, Fish and Wildlife Services.
- Mowat, G., K.G. Poole, M. O'Donoghue. 2000. Ecology of lynx in northern Canada and Alaska. In Ruggiero, L.F., K.B. Aubry, S.W. Buskirk, et al., tech. eds. The scientific basis for lynx conservation in the contiguous United States. Gen. Tech. Rpt. RMRS-GTR-30. Ogden, UT: U.S. Dept. Agriculture, Forest Service, Rocky Mountain Research Station.
- Muskoka Tech. 2007. Pathway GPS 4 for Palm Powered Handhelds. Muskoka Tech, Toronto, Ontario.
- National Cree Gathering 2007. <<http://www.nationalcreegathering2007.com>> (2007).
- Natural Resources Canada. "Trends in Greenhouse Gas Emissions" <<http://atlas.nrcan.gc.ca/site/english/maps/climatechange/atmospherestress/trendsgreenhousegasemission>> (March 11, 2010).
- National Wetlands Working Group. 1997. The Canadian Wetland Classification System. National Wetlands Working Group. Edited by B.G. Warner and C.D.A. Rubec. Wetlands Research Centre, University of Waterloo, Ontario.
- Natural Resources Canada. 1999. Domestic Water Use. Website: <<http://atlas.nrcan.gc.ca/site/english/maps/freshwater/consumption/domestic>> (June 18, 2009).
- Natural Resources Canada. 2003. The Atlas of Canada – Surficial Materials Map. <<http://atlas.nrcan.gc.ca/site/english/maps/environment/land/surficialmaterials>> (September 16, 2008).
- Natural Resources of Canada. 2007. The Atlas of Canada. Natural Resources of Canada, The Atlas of Canada. Ottawa, Ontario. <<http://atlas.nrcan.gc.ca/site/english/index.html>> (2007).
- Natural Resources Canada. 2008. Water feature data (lakes, streams, etc.) downloaded from GeoGratis (Natural Resources Canada website) which provides access to free geospatial data. The water feature data is part of the 1:50,000 National Topographic Data Base (NTDB) data set. Source: <<http://geogratis.cgdi.gc.ca/geogratis/en/index.html>> (2008).
- Nielsen et al. 2004. Grizzly Bears and Forestry: I. Selection of clear cuts by grizzly bears in west-central Alberta, Canada. *Forest Ecology and Management* 199.1 (2004):51-65.
- Nelson, J.S., E.J. Crossman, H. Espinosa-Perez, L.T. Findley, C.R. Gilbert, R.N. Lea, and J.D. Williams. 2004. Common and scientific names of fishes from the United States, Canada, and Mexico, sixth edition. American Fisheries Society, Special Publication 29, Bethesda, Maryland.
- Nicholson, R.V. 1994. Iron Sulfide Oxidation Mechanisms: Laboratory Studies. Short Course on Environmental Geochemistry of Sulfide Mine-Wastes: 163-183. Eds J.L. Jambor and D.W. Blowes. Waterloo, Ontario. May.
- Nicolas, M.P.B. and D. Barchyn. 2008. Williston Basin Project (Targeted Geoscience Initiative II): Summary report on Paleozoic stratigraphy, mapping and hydrocarbon assessment, southwestern Manitoba. Manitoba Geological Survey. Geoscientific Paper GP2008-2.
- Norford, B.S., F.M. Haidl, R.K. Bezys, M.P. Cecile, H.R. McCabe, and D.F. Paterson. 1994. Middle Ordovician to Lower Devonian strata of the Western Canada Sedimentary Basin; in Geological Atlas of the Western Canada Sedimentary Basin, G.D. Mossop and I. Shetton (comp.), Canadian Society of Petroleum Geologists, Calgary, Alberta and Alberta Research Council, Edmonton, Alberta, p. 109-127.
- NOR-MAN Regional Health Authority: <<http://www.norman-rha.mb.ca>> (2007).
- NRC (Natural Resources Canada), 2008. 1:50,000 Topographic Maps 63G/10 to 15, 63J/2 to 7, 63J/10 to 12, 63K/1 and 8, and 1:250,000 Topographic Maps 63F, 63G, 63J and 63K. National Topographic Data Base (NTDB) data set. <<http://geogratis.cgdi.gc.ca/geogratis/en/index.html>> (Sept. 2008).
- NRCC (National Research Council of Canada). 1988. Glossary of permafrost and related ground-ice terms. Technical Memorandum No. 142, Permafrost Subcommittee, Associate Committee on Geotechnical Research, National Research Council of Canada (NRCC 27952), Ottawa, ON.

- Oremland, R.S. 1994. Biochemical Transformations of Selenium in Anoxic Environments. *In* Selenium in the Environment. Eds. W.T Frankenberger, Jr. and S. Benson. Marcel Dekker, Inc. New York. pp. 389-419.
- Outotec. 2008. Technical Cost Study for Use in Pre-Feasibility of Victory Nickel Frac Sand Project. Final Report – Revision B. Oct. 14, 2008.
- O’Toole, D. and M.F. Raisbeck. 1998. Magic Numbers, Elusive Lesions: Comparative Pathology and Toxicology of Selenosis in Waterfowl and Mammalian Species. *In* Environmental Chemistry of Selenium. Eds. W.T Frankenberger, Jr. and R.A. Engberg. Marcel Dekker, Inc. pp. 355-395.
- Parker, G.R. 1978. Distribution and densities of wolves within barren-ground caribou range in Northern Mainland Canada. *Journal of Mammalogy* 54(2):341-348.
- Paterson, D.F. 1971. The Stratigraphy of the Winnipeg Formation (Ordovician) of Saskatchewan. Report No. 140. Prov. of Saskatchewan. Dept. of Mineral Resources. Geol. Sc. Br.. Sedimentary Geology Division.
- Payette, S. 1988. Late-Holocene development of subarctic ombrotrophic peatland: allogenic and autogenic succession. *Ecology*, 69: 516-531.
- Peel, M.C., Finlayson, B.L., McMahon, T.A., 2007. Updated World Map of the Koppen-Geiger Climate Classification. *Hydrology and Earth System Sciences*, 11:1633-1644.
- Perry, A. and R.L.P. Kleinmann. 1991. The use of constructed wetlands in the treatment of acid mine drainage. *Natural Resources Forum* 15: 178-184.
- Petrides, G.A. 1988. Eastern trees. Houghton Mifflin Company, New York, New York.
- Pielou, E.C. 1966. Shannon’s formula as a measure of species diversity: Its use and misuses. *Am. Nat.* 100: pp. 463-465.
- Pielou, E.C. 1966b. The measurement of diversity of different types of biological collections. *Jour. Theoretical Biol.* 13: pp. 131-144.
- Pierce. “Pierce Velocity™ Custom Chassis Specifications.” 2010. <<http://www.piercemfg.com/Specification.html?ModelId=fdeb1742-d4b4-4e5f-8493-642c9a40e3cb>> (13 February 2010).
- Pomeroy, J.W., Marsh, P., and Gray, D.M. (1997). “Application of a distributed blowing snow model to the Arctic”. *Hydrological Processes*, Vol. 11, p. 1451-1464.
- Poole, K.G, A.D. Porter, A. de Vries, C, Maundrell, S.D. Grindal, and C.C. St. Clair. 2004. Suitability of a young deciduous-dominated forest for American marten and the effects of forest removal. *Canadian Journal of Zoology* 82:423-435.
- Post, R.A. 1996. Functional profile of black spruce wetlands in Alaska. Alaska Department of Fish and Game, Fairbanks, Alaska for U.S. Environmental Protection Agency, Region 10, Seattle, Washington.
- Poulin, M. 2002. La conservation des tourbières: sélection de réserves naturelles et aménagement des sites exploités. Ph.D. Thesis, Laval University, Québec, 169 p.
- Preston, W.B. 1982. The amphibians and reptiles of Manitoba. Manitoba Museum of Man and Nature, Winnipeg, Manitoba.
- Price, W.A. 1997. Draft Guidelines and Recommended Methods for the Prediction of Metal Leaching and Acid Rock Drainage at Minesites in British Columbia. British Columbia Ministry of Energy and Mines.
- Prowse, T.D., 1990. Northern Hydrology – An Overview. In *Northern Hydrology – Canadian Perspectives*, T.D. Prowse and C.S.L Ommanney (eds.), NHRI Science Report No. 1, National Hydrology Research Institute, Saskatoon, SK, Chapter 1.
- Quaternary Consultants Ltd. 2008. Archaeological Impact Assessment of the Minago Mining Site. Prepared for: Victory Nickel Inc.
- Radojevic, M. and V.N. Bashkin. 2006. Practical Environmental Analysis. 2nd Edition. RSC Publishing. 482p.
- Ramsar. 2000. Background papers on Wetland Values and Functions. <<http://www.ramsar.org>> (2001).
- Reid, F.A. 2006. Mammals of North America. Houghton Mifflin Company, New York, New York.
- Reijnen, R., R. Foppen, G. Veenbaas. 1997. Disturbance by traffic of breeding birds: evaluation of the effect and planning and managing road corridors. *Biodiversity and Conservation* 6:567-581.
- Ries L., R.J. Fletcher, J. Battin, T.D. Sisk. 2004. Ecological responses to habitat edges: mechanisms, models, and variability explained. *Ann Rev Ecol Syst* 35:491–522.
- Roche (Roche Ltd., Consulting Group). 2007. Lac Rocher Project: Environmental Baseline Study 2007 – Biophysical Aspects. Project no. 46184-100, 364 pages.

- Roche. 2008a. Minago Project 2008 Environmental Baseline Study: Biophysical Aspects. Submitted to Victory Nickel Inc. N/Réf: 51516-100.
- Roche. 2008b. Development of the Minago Property: Implementation of a Power Line – Valued Ecosystem Components. Project no. 51516-100, 27 pages.
- Roche. 2008c. Development of the Minago Property: Implementation of a Railway Siding. Project no. 51516-100.
- Roche. 2010. Preliminary Report - Minago Project Final Effluent Management. Prepared for: Victory Nickel Inc. O/Ref: 51516-100.
- Roulet, N.T., Woo M.K., 1988. Runoff generation in a low arctic drainage basin. *Journal of Hydrology*, 101(1-4), 213-226.
- Ruediger, B. 1996. The relationship between rare carnivores and highways. *In*: Evink, G.L.; Garrett, P.; Ziegler, D.; and J. Berry (Eds.) *Trends In Addressing Transportation Related Wildlife Mortality*. Proceedings of the Transportation Related Wildlife Mortality Seminar.
- Sandvik Mining and Construction USA and Canada. "Sandvik Pantera DP 1500 Surface Top Hammer Drills." <[http://www.miningandconstruction.sandvik.com/Sandvik/0120/Internet/Global/S003713.nsf/Alldocs/Product s*5CDrill*rigs*and*rock*drills*5CSurface*tophammer*drill*rigs*2ADP1500/\\$File/DP1500.pdf](http://www.miningandconstruction.sandvik.com/Sandvik/0120/Internet/Global/S003713.nsf/Alldocs/Product%20s*5CDrill*rigs*and*rock*drills*5CSurface*tophammer*drill*rigs*2ADP1500/$File/DP1500.pdf)> (14 February 2010).
- Schindler, D. 2005. Determining woodland caribou home range and habitat use in eastern Manitoba. Prepared for the Eastern Manitoba Woodland Caribou Advisory Committee by the Centre for Forest Indisciplinary Research, Winnipeg, Manitoba.
- SCS (Soil Conservation Service). 1986. *Urban Hydrology for Small Watersheds*. Technical Release 55. Updated Document 1998.
- Sellick. "Sellick S160 Forklift." 2009. <<http://www.sellickequipment.com/>> (13 February 2010).
- Sérodes, J.B., A. Taillon et J.P. Beaumont. 2003. Des marais épurateurs construits (MEC) pour traiter les eaux de ruissellement des autoroutes : une expérience québécoise. *Innovation transport, bulletin scientifique et technologique du MTQ*, 18, 18-24.
- Shannon, C.E. and W. Weaver. 1949. *The mathematical theory of information*. University of Illinois Press, Urbana. 125 p.
- Sibley, D.A. 2000. *The Sibley guide to birds*. Alfred A. Knopf, New York, New York.
- Sibley, D.A. 2001. *The Sibley guide to bird life & behavior*. Alfred A. Knopf, New York, New York.
- Simpson, E. 1949. Measurement of diversity. *Nature*, 163: 688 p.
- Skorupa, J.P. 1998. Selenium Poisoning of Fish and Wildlife in Nature: Lessons from Twelve Real-World Examples. *In* *Environmental Chemistry of Selenium*. Eds. W.T Frankenberger, Jr. and R.A. Engberg. Marcel Dekker, Inc. pp. 315-354.
- Slough, B. G. 1989. Movements and Habitat Use by Transplanted Marten in the Yukon Territory. *The Journal of Wildlife Management* 53.4 (1989):991-997.
- Slough, B.G. 2007: Status of the wolverine *Gulo gulo* in Canada. - *Wildlife Biology*. 13 (Suppl. 2): 76-82.
- Smakhtin, V.U. 2001. Low Flow Hydrology: A Review. *Journal of Hydrology*, 240, 147-186.
- Smyth, C. and H. Butler. 2004. Natural revegetation and restoration management of winter road portages in the subarctic of the Northwest Territories and Nunavut, Canada. Proc. 16th Int. Conf., Soc. for Ecological Restoration, Aug. 24-26, 2004, Victoria, Canada.
- SoftMap. 2007. *Topoweb Canada:Manitoba*. SoftMap, Quebec City, Quebec.
- Soil Classification Working Group. 1998. *The Canadian System of Soil Classification*. Agric. and Agri-Food Can. Publ. 1646 (Revised) 187 pp. NRC Research Press, Ottawa.
- Sobolewski, A. 1997. Wetlands for treatment of mine drainage. Infomine website <<http://www.enviromine.com/wetlands/Welcome.htm>> (April 7, 2009).
- St. Clair, C. 2003. Comparative permeability of roads, rivers and meadows to songbirds in Banff National Park. *Conservation Biology*: 17 (2003):1151-1160.
- St. Clair, C. C., M. Bélisle, A. Desrochers, and S. J. Hannon. 1998. Winter response of forest birds to habitat corridors and gaps. *Conservation Ecology* [online]2(2):13. <<http://www.consecol.org/vol2/iss2/art13/>> (2008).
- Stardom, R.R.P. 1975. Woodland caribou and snow conditions in Southeast Manitoba. Proceedings of the First International Reindeer/Caribou Symposium, University of Alaska, pp. 324-334.

- Staples, W.R. 1995. Lynx and Coyote Diet and Habitat Relationships during a low Hare Population on the Kenia Peninsula, Alaska. M.Sc. Thesis. U. of Alaska Fairbanks. 165p.
- Statistics Canada, 2006 Community Profiles
- Stewart, K.W. and D.A. Watkinson 2004. The Freshwater Fishes of Manitoba. University of Manitoba Press, Winnipeg, Manitoba.
- Stolz, J.F. and Oremland, R.S., 1999. Bacterial arsenate and selenate reduction. *FEMS Microbial Revs.* 23:615-627.
- Strathcona County. 2008. Potential Shrubs for use in Pipeline Reclamation. www.strathcona.ab.ca; accessed Mar. 18, 2009.
- Swanson, H.K., T.A. Johnson, W.C. Leggett, R.A. Bodaly, R.R. Doucett, and R.A. Cunjak. 2003. Trophic positions and mercury bioaccumulation in rainbow smelt (*Osmerus mordax*) and native forage fishes in northwestern Ontario lakes. *Ecosystems* 6:289-299.
- Swanson, H.K., T.A. Johnson, D.W. Schindler, R.A. Bodaly, and D.M. Whittle. 2006. Mercury bioaccumulation in forage fish communities invaded by rainbow smelt (*Osmerus mordax*). *Environmental Science & Technology* 40:1439-1446.
- Tande, G. and R. Lipkin. 2003. Wetland Sedges of Alaska. Alaska Natural Heritage Program Environment and Natural Resources Institute, University of Alaska Anchorage, Anchorage, Alaska.
- Tarnocai, C. 1978, Genesis of organic soils in Manitoba and the Northwest Territories. Pages 453-470 in Quaternary Soils. Under the direction of Mahaney, W.C., Geo Abstracts, Norwich.
- Thayer. 2006. Guide to birds of North America, Version 3.5. Thayer Birding Software, Naples, Florida.
- The Converter Site. "Energy Conversion Ratio." 2010. <<http://www.theconvertersite.com/conversions/energy.php>> (15 February 2010).
- Theis, C.V. 1935. The relation between the lowering of the piezometric surface and the rate and duration of discharge of a well using groundwater storage, *Am. Geophys. Union Trans.*, Vol. 16, pp. 519-524.
- Thibault, S. 2006. Dynamique récente des tourbières ombrotrophes pergélisolées à leur limite nordique de répartition. M.Sc. Thesis, Laval University, Québec, 61 p.
- Thibault, S. and S. Payette. 2009. Recent permafrost degradation in bogs of the James Bay area, northern Quebec, Canada. *Permafrost and Periglacial Processes*. 20.4 (2009):383-389.
- Thiel, R.P. 1987. The status of the Canada lynx in Wisconsin, 1865-1980. *Transactions of the Wisconsin Academy of Sciences, Arts, and Letters* 75:90-96.
- Thompson, D.C. and C.A. Fischer. 1977. Distribution and numbers of the Kaminuriak caribou herd in March and April, 1977. *Arctic* 32(3):266-274.
- Thorp, J.H. and A.P. Covich. 1991. Ecology and classification of North American freshwater invertebrates. Academic Press. 911 pages.
- Tidwell, L., J. McCloskey, P. Miranda, and M. Gale. 2000. Technologies and Potential Technologies for Removing Selenium from Process and Mine Wastewaters, Proceedings Minor Elements 2000, SME, Salt Lake City, UT., Feb. 2000, pp 53-66.
- Tremblay, L. and M. Garneau. 2008. Peatlands aqualysis in La Grande Rivière watershed: pools development and paleohydrological reconstruction using plant macrofossils and testate amoebae. 2008 Annual Meeting of the American Association of Geographers, Boston, Massachusetts.
- Trenberth, K.E., P.D. Jones, P. Ambenje, R. Bojariu, D. Easterling, A. Klein Tank, D. Parker, F. Rahimzadeh, J.A. Renwick, M. Rusticucci, B. Soden and P. Zhai, 2007: Observations: Surface and Atmospheric Climate Change. In: *Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change* [Solomon, S., D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor and H. L. Miller (eds)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.
- Turekian, K.K. and K.H. Wedepohl. 1961. Distribution of the Elements in Some Major Units of the Earth's Crust. *Bulletin of the Geological Society of America* 72, no. 2: 175-192.
- Turrene, R. 2005. Decision time for Manitoba's new national park. *Eco-Journal* 15(2):1-3.
- URS. 2008a. Draft Surface Water Hydrology Environmental Baseline Studies. Minago Nickel Project near Grand Rapids, Manitoba. March 14, 2008.
- URS. 2008b. Final Report: Fisheries Report - Resource Inventory - Environmental Baseline Studies - Minago Project near Grand Rapids, Manitoba. September 30, 2008.
- URS. 2008c. Draft HEC-HMS Models. Minago Nickel Project near Grand Rapids, Manitoba. April 7, 2008.

- URS. 2008d. Final Report: Vegetation Survey - Environmental Baseline Studies. Minago Project near Grand Rapids, Manitoba. September 30, 2008.
- URS. 2008e. Final Report: Wildlife Report Resource Inventory - Environmental Baseline Studies. Minago Project near Grand Rapids, Manitoba. September, 2008.
- URS. 2008f. 2008. URS-Victory Nickel-Minago CEEA Powerpoint Presentation – March 2008. Prepared by: URS.
- URS. 2008g. Final Report: Surface Water Quality Environmental Baseline Studies. Minago Project near Grand Rapids, Manitoba. November 14, 2008.
- URS. 2008h. Final Report: Sediment and Benthic Invertebrate Assessment - Environmental Baseline Studies. Minago Project near Grand Rapids, Manitoba. September 30, 2008.
- URS. 2009i. Final Report: Geochemical (ARD/ML) Assessment. Minago Project near Grand Rapids, Manitoba. December 9, 2009.
- USACE (U.S. Army Corps of Engineers). 2000. HEC-HMS User's Manual.
- USACE. 2005. HEC-HMS Technical Reference Manual.
- USACE. 2008. Environmental Residue-Effects Database (ERED). <<http://el.erd.usace.army.mil/ered/>> (2008).
- US EPA (Environmental Protection Agency). 2004. Tier 2 Standard for Non-road Diesel Engines.
- Vale Inco. 2009. Company website. <<http://www.inco.com/global/thompson/default.asp>> (June 17, 2009).
- Vasak, P., P. Eng., and Verma, A. Resource Modelling of the Mineralized Zone of the Minago Nickel Deposit, Results of the Geostatistical Analysis Mirarco Mining Innovation. December 24, 2004.
- Van Breeman, N. 1995. How Sphagnum bogs down other plants? Trends in Ecology and Evolution 10 (7), 270-275.
- Victory Nickel (Victory Nickel Inc.). 2008. Climate and Hydrometric Data for Minago Mine Project. E-mail from Karin Renken, KR Design Inc., on behalf of Victory Nickel, September 2008.
- VNI (Victory Nickel Inc.) and Golder Associates. 2008. Minago Powerpoint Presentation, dated September 15, 2008. Slides related to the Groundwater Pump Test were prepared by Golder Associates.
- Wagg, C. A., P. Geo. 2006 Diamond Drilling, MEAP Number 051101-09, Minago Nickel Project, Central Manitoba. 2006
- Wardrop (Wardrop Engineering Inc.). 2006. Minago Preliminary Economic Assessment. Prepared for: Nuinsco Resources Limited. Project No. 0651330700-REP-R0001-00. 420p.
- Wardrop. 2007. Minago Project – Environmental Baseline Study Report: 2006. Document No. 0651330200-REP-R0001-00, 220 pages.
- Wardrop. 2008a. Metallurgical Test Program - Progress Report. Prepared for: Victory Nickel Inc. June 19, 2008.
- Wardrop. 2008b. Transportation Analysis for the Minago Sand Project. Prepared for: Victory Nickel Inc.
- Wardrop. 2009a. Minago Mine Site Geotechnical Investigation – Factual Report and Interpretive Commentary. Prepared for: Victory Nickel Inc.
- Wardrop. 2009b. Draft Minago Mine Site Feasibility Study. Prepared for: Victory Nickel Inc.
- Watt, W.E., Lathem, K.W., Neill, C.R., Richards, T.L., Rousselle, J. 1989. Hydrology of Floods in Canada: A Guide to Planning and Design. National Research Council Canada, Associate Committee on Hydrology, Ottawa, ON.
- Wayne, P. 1991. "Chapter 5: The Earth's Troposphere". In Chemistry of Atmospheres, An Introduction to the Chemistry of Atmospheres of Earth, the Planets and their Satellites. Oxford Clarendon Press. pp.209-275.
- Weclaw, P. and R.J. Hudson. 2004. Simulation of conservation and management of woodland caribou. *Ecological Modelling* 177:75-94.
- Weider, R.K., G.E. Lang, and A.E. Whitehouse. 1985. Metal removal in Sphagnum dominated wetlands: experience with a man-made wetland system. In Wetlands and Water Management on Mined Lands, The Pennsylvania State University, University Park, PA, pp. 353-364.
- Weir, J.N., S.P. Mahoney, B. McLaren, and S.H. Ferguson. 2007. Effects of mine development on woodland caribou Rangifer tarandus distribution. *Wildlife biology* 13(1): 66-74.
- Western Forest Carnivore Committee. 2004. Draft Conservation Strategies for Lynx, Wolverine, and Fisher. U. S. Forest Service, Northern Region. 2004:15.
- Wetzel, R. G. 2001. Limnology: lake and river ecosystems. Third edition. Academic Press, 1006 pages.

- White, A.F. and N.M. Dubrovsky. 1994. Chemical Oxidation-Reduction Controls on Selenium Mobility in Groundwater Systems. *In* Selenium in the Environment. Eds. W.T Frankenberger, Jr. and S. Benson. Marcel Dekker, Inc. New York. Pp. 185-221.
- Wiken, E.B. (compiler), 1986. Terrestrial Ecozones of Canada. Ecological Land Classification Series No. 19. Environment Canada, Hull, QC, 26 pp. + maps.
- Wildeman, T., J. Gusek, J. Dietz and S. Morea. 1991. Handbook for Constructed Wetlands Receiving Acid Mine Drainage. US EPA, Cincinnati, OH (available on the web).
- Williamson, D., 2002. Final Draft Manitoba Water Quality Standards, Objectives, and Guidelines. Water Quality Management Section, Water Branch, Manitoba Conservation. Manitoba Conservation Report 2002-11.
- Woo, M.K., 1983. Hydrology of a drainage basin in the Canadian High Arctic. *Annals of the Association of American Geographers*, 73(4), 577-596.
- Woo, M.K., 1986. Permafrost hydrology in North America. *Atmosphere-Ocean*, 24(3), 201-234.
- Woo, M.K., Marsh P., 1978. Analysis of error in the determination of snow storage for small high arctic basin. *Journal of Applied Meteorology*, 17(10), 1537-1541.
- Woo, M.K., Steer P., 1983. Slope hydrology as influenced by thawing of the active layer, Resolute, N.W.T. *Canadian Journal of Earth Sciences*, 20(6), 978-986.
- Woo, S. E., W. T. Bryson, K.A. MacPherson, M.A. Mallin and W.E. Partin. 1985. Roxboro Steam Electric Plant Hyco Reservoir 1984 Bioassay Report. New Hill, NC Carolina Power and Light Company. Technical Report.
- Woo, S. E., W. R. Garrett, W. E. Partin, and W. T. Bryson. 1987. Decreased survival and teratogenesis during laboratory exposure to bluegills, *Lepomis macrochirus*. *Bull Environ Toxicol Chem* 39:998-1005.
- Ye B., D. Yang, and D.L. Kane. 2003. Changes in Lena River streamflow hydrology: human impacts versus natural variations. *Water Resources Research* 39 (1200), doi:10.1029/2003WR001991.
- Zehr, J.P. and R.S. Oremland. 1987. Reduction of selenate to selenide by sulfate-respiring bacteria: Experiments with cell suspensions and estuarine sediments. *Appl. Environ. Microbiol.*, 53: 1365-1369.
- Zhang, Y. and J.N. Moore. 1998. Selenium Accumulation in a Wetland Channel, Benton Lake, Montana. *In* Environmental Chemistry of Selenium. Eds. W.T Frankenberger, Jr. and R.A. Engberg. Marcel Dekker, Inc. pp. 243-258.
- Zoltai, S. 1995. Permafrost distribution in peat lands of West-Central Canada during the Holocene Warm Period 6000 Years B.P. *Geographie Physique et Quaternaire*. 41.1 (1995):45-54.