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# 21. REFERENCES

# **Chapter 2. Regulatory Process**

MVEIRB. 2008. Terms of Reference for the Taltson Hydroelectric Expansion Project Developer's Assessment Report. N.p.: MVERIB.

## **Chapter 4. Community Engagement**

MVEIRB. 2008. Terms of Reference for the Taltson Hydroelectric Expansion Project Developer's Assessment Report. N.p.: MVERIB.

Rescan. 2004. Taltson Hydro Expansion Project 2003 Baseline Report. Prepared by Rescan Environmental Services for the Northwest Territories Power Corporation. 465 pp.

### **Chapter 5. Purpose and Rationale**

GNWT. 2003. NWT Energy Strategy. http://www.enr.gov.nt.ca/library/pdf/ energystrategy\_2003. pdf. Accessed September 22, 2008.

GNWT. 2007. Energy for the Future – An Energy Plan for the Northwest Territories. http://www.iti.gov.nt.ca/Publications/2007/Energy/Energy%20for%20the%20Future.pdf. Accessed September 22, 2008.

# **Chapter 6. Development Description**

Ian Hayward International Ltd. (IHI) October, 2003. Snap Lake Feasibility Study – Twin Gorges – Snap Lake 161 kV Transmission Line and Associated Substation.

Ian Hayward International Ltd. (IHI) January, 2005. Taltson Expansion Project Feasibility Study, 161 kV Transmission System and Associated Substations.

Ian Hayward International Ltd. (IHI) May, 2006. Taltson Expansion Project Feasibility Study, 161 kV Transmission System and Associated Substations, Update.

Mariport Group. August, 2003. Taltson to Snap Lake Power Transmission via Great Slave Lake (Draft Final Report)

Teshmont Consultants. July, 2008. Electromagnetic Field Effect Study. Northwest Territories Power Corporation.

#### **Chapter 8. Alternatives**

Klohn Crippen Berger Ltd 2004. Twin Gorges Expansion Pre-Feasibility Study.

### **Chapter 9. Existing Environment**

### **SECTION 9.1. LOCATION**

Ecosystem Classification Group. 2008. Ecological Regions of the Northwest Territories - Taiga Shield. Yellowknife, NWT: Ecosystem Classification Group.



Ecological Stratification Working Group. 1995. A National Ecological Framework for Canada. Ottawa/Hull: Agriculture and Agri-Food Canada, Research Branch, Centre for Land and Biological Resources Research and Environment Canada, State of the Environment Directorate, Ecozone Analysis Branch.

### SECTION 9.2. AREAS OF SPECIAL SENSITIVITY

- Beckel, D. 1975. IBP Ecological Sites in Subarctic Canada: Areas Recommended as Ecological Sites in Region 10, Yukon and Northwest Territories Boreal Forest to the Treeline. Canadian Committee for the International Biological Program. University of Lethbridge, Production Services, Lethbridge, Alberta.
- CBI (Canadian Boreal Initiative). 2006. Canadian Boreal Initiative Applauds Agreement for a New Northern National Park between Łutsel K'e Dene First Nation and Parks Canada. October 13, 2006. Accessed August 1, 2007, from http://borealcanada.ca/news\_e.cfm?p id=23
- Department of Industry, Tourism and Investment, Government of the Northwest Territories (ITI). 2008a. Tourism and Parks. Accessed November 18, 2008, from http://www.iti.gov.nt.ca/tourismparks/parks/
- Mondor, C. 2006. Preliminary Area of Interest for a National Park in the East Arm of Great Slave Lake, Northwest Territories. Parks Establishment Branch, National Parks Directorate, Parks Canada.
- Parks Canada. 1997. National Park System Plan. Ottawa: Heritage Canada. Accessed September 2008, from http://dsp-psd.pwgsc.gc.ca/Collection/R64-197-1-1997E.pdf
- Parks Canada. 2001. State of Protected Heritage Areas 2001 Report. Available at: http://www.parcscanada.pch.gc.ca/docs/pc/rpts/etat-state-2001/sec5/par2\_e.asp.
- Parks Canada. 2007a. Performance Report for the Period Ending March 31, 2007. Parks Canada. Ottawa. Accessed, from http://www.pc.gc.ca/docs/pc/rpts/rmr-dpr/archives/2006-07/capeng.pdf
- Parks Canada. 2007b. Background to Performance Report 2006-2007. Accessed January 2008, from http://www.pc.gc.ca/docs/pc/rpts/rmr-dpr/images/back07\_e.pdf
- Parks Canada. 2008. Wood Buffalo National Park of Canada. Accessed November 19, 2008, from http://www.pc.gc.ca/pn-np/nt/woodbuffalo/index\_e.asp

### SECTION 9.3. TALTSON BASIN HYDROLOGY

Chow, V.T. 1981. Handbook of Applied Hydrology. McGraw-Hill. New York.



- Envirocon. 1986. Taltson Basin Hydroelectric Facilities Projected Impact of Taltson Basin Hydroelectric Facilities on Fish Populations. Prepared for Northern Canadian Power Commission. June 1986.
- Froelich. 1996. Taltson Flow Model Users' Manual. Cited by Technik Eaucan, 2004. An appreciation of the Taltson Flow Model (TFM). February 2004.
- Rescan. 2003. Taltson Hydro Project 2003 Water Effects Monitoring Program. Prepared for Northwest Territories Power Corporation by Rescan Environmental Services Ltd.
- Rescan. 2006a. Taltson Hydro Project: Trudel Creek Hydrological Assessment. Prepared for Dezé Energy Corporation by Rescan Environmental Services Ltd. October 2006
- Rescan. 2006b. Memorandum: Taltson River Basin Model and Trudel Creek Hydrology Field Data Collection Report. Memorandum for NTEC (Tom Vernon), October 13, 2006.
- Rescan. 2007. Memorandum: Trudel Creek Low Flow Hydrology Field Data Report. Memorandum for Cambria Gordon Limited (Linda Zurkirchen), June 18, 2007

### **SECTION 9.4. PHYSICAL ENVIRONMENT**

- Adams, J., & Halchuk, S. 2004. Fourth-generation Seismic Hazard Maps for the 2005 National Building Code of Canada, Vancouver, B.C.
- BKL. 2004. Environmental Noise Assessment for Ashlu Creek Power Project. North Vancouver, B.C: BKL Consultants in Acoustics.
- Bogdan, G.F. 1972. Report on a Stream Survey of the Taltson River, NWT. Department of the Environment, Fisheries and Marine Service Research and Development Directories. Technical Report No. 1-456.
- Bradley, S. W., Rowe, J. S., Tarnocai, C., & Ironside, G. R. (Writer) 1982. An Ecological Land Survey of the Lockhart River Map Area, Northwest Territories, Ecological Land Classification Series. Ottawa: Lands Directorate, Environment Canada.
- Brüel & Kjær. 2001. Environmental Noise. Nærum, Denmark: Brüel & Kjær Sound & Vibration Measurement A/S.
- Cambria Gordon Ltd. 2007. Trudel Creek Fish and Fish Habitat Data Report. Northwest Territories Energy Corporation.
- Cambria Gordon Ltd. 2008. Trudel Creek Fish and Fish Habitat Effects Assessment. Dezé Energy Corporation.
- Cambria Gordon Ltd. 2008. Habitat Assessment for Instream Works. Dezé Energy Corporation.
- Cambria Gordon Ltd. 2008. Littoral Habitat Assessment of Nonacho Lake, Lady Gray Lake and Trudel Creek.
- Dezé, Cambria Gordon, & Solstice Consulting Services. 2007. Taltson Hydroelectric Expansion Project: Project description in support of the MVLWB land and water application.



- Yellowknife, NWT: Dezé Energy Corporation, Cambria Gordon Ltd., and Solstice Consulting Services Ltd.
- DFO (Fisheries and Oceans Canada). 1985. The Fisheries Act. R.S., 1985, c. F-14.
- DFO. 1991. Policy for the Management of Fish Habitat. Department of Fisheries and Oceans, Ottawa, Fish Habitat Management Branch. DFO/4486.
- Ecological Stratification Working Group. 1995. A National Ecological Framework for Canada. Ottawa/Hull: Agriculture and Agri-Food Canada, Research Branch, Centre for Land and Biological Resources Research and Environment Canada, State of the Environment Directorate, Ecozone Analysis Branch.
- Envirocon, 1973. Taltson River Hydro Extension Fisheries Study, Interim Data Summary Partial Baseline Inventory. Northern Canada Power Commission.
- Evans et al. 2001. Life History Characteristics of Freshwater Fishes Occurring in the Northwest Territories and Nunavut, with Major Emphasis on Riverine Habitat Requirements.
- Ecosystem Classification Group. 2008. Ecological regions of the Northwest Territories Taiga Shield. Yellowknife, NWT: Ecosystem Classification Group.
- French, H. M., & Slaymaker, O. (Eds.). 1993. Canada's Cold Environments. Montreal: McGill-Queen's Press.
- Geo-Engineering. 2003. Northwest Territories Power Commission Snap Lake Hydro Power Supply Project: Geotechnical Evaluation Twin Gorges to Snap Lake Transmission Line. N.p.: Klohn Crippen Berger Ltd.
- Geo-Engineering. 2005a. Northwest Territories Power Commission transmission Lines to Diamond Mines: Input to Foundation Designs/Geotechnical Information. N.p.: Ian Hayward International Ltd.
- Geo-Engineering. 2005b. Northwest Territories Power Commission Transmission Lines to Diamond Mines: Preliminary Terrain/Geotechnical Information. N.p.: Ian Hayward International Ltd.
- Geological Survey of Canada. 1991. Great Slave Lake Shear Zone, District of Mackenzie, Northwest Territories. N.p.: Geological Survey of Canada, Map 1740A, scale 1:150,000.
- Geological Survey of Canada. 2003. Geological provinces available from Natural Resources Canada. Accessed September 2008, from http://atlas.nrcan.gc.ca/site/english/maps/environment/geology/geologicalprovinces/1
- Government of Canada. 1990. The Climates of Canada. N.p.: Canadian Government Publishing Centre.
- GNWT. 2006. Northwest Territories Air Quality Report. Accessed October 2006, from www.wnr.gov.nt.ca/eps/environ.htm.



- Peirce, J. W., Corsden, A., & Glenn, T. 2001. The Great Slave Lake Shear Zone: Implications for Exploration in NW Alberta and NEBC. Accessed Aug. 21, 2008, from <a href="http://www.gedco.com/Site-Files/Site-Graphics/Papers/2001-001.PDF">http://www.gedco.com/Site-Files/Site-Graphics/Papers/2001-001.PDF</a>
- Rescan. 2004. Taltson Hydro Expansion Project: 2003 Baseline Report. Yellowknife, NWT: Prepared for the Northwest Territories Power Corporation by Rescan Environmental Services Ltd.
- Rescan. 2003. Taltson Hydroelectric Expansion Project, 2003 Baseline Report. Northwest Territories Power Corporation
- Rescan. 2003. Taltson Hydroelectric Expansion Project, 2003 Water Effects Monitoring Program. Northwest Territories Power Corporation.
- Rescan. 2004. Taltson Hydroelectric Expansion Project, 2004 Water Effects Monitoring Program. Northwest Territories Power Corporation
- Rescan. 2006. Taltson Expansion Project Trudel Creek Fish and Fish Habitat Assessment. Northwest Territories Energy Corporation.
- Rescan 2007. Trudel Creek: Spring Low Flow, Fisheries Assessment Data Report. Northwest Territories Energy Corporation.
- Rescan. 2008. Final Report and Northern Pike Spawning and Rearing Habitat in Trudel Creek. Northwest Territories Energy Corporation.
- Richardson et al. 2001. Life History Characteristics of Freshwater Fishes Occurring in the Northwest Territories and Nunavut, with Major Emphasis on Lake Habitat Requirements.
- Scott, W.B. and E. J. Crossman. 1973. Freshwater Fishes of Canada. Bulletin 184. Fisheries Research Board of Canada, Ottawa.
- Strahler, A., & Strahler, A. 1992. Modern Physical Geography (4th ed.). Toronto: John Wiley & Sons Inc.
- Teshmont Consultants. July, 2008. Electromagnetic Field Effect Study. Northwest Territories Power Corporation. July, 2008.
- Trenhaile, A. S. 1998. Geomorphology: A Canadian Perspective. Toronto: Oxford University Press.
- Trochim, E., & Lipovsky, P. 2007. Alaska Highway Geotechnical Borehole Database: Beaver Creek to Kluane Lake. N.p.: Yukon Geological Survey.

#### **SECTION 9.5. BIOLOGICAL ENVIRONMENT**

Adamczewski, J. Z., Gates, C. C., Hudson, R. J., & Price, M. A. 1987. Seasonal Changes in Body Composition of Mature Female Caribou and Calves (*Rangifer tarandus groenlandicus*) on an Arctic Island with Limited Winter Resources. Canadian Journal of Zoology, 65,1149-1157.



- Akaitcho Dene First Nations. Retrieved November 19, 2008, from AAIR (Aboriginal Affairs and Intergovernmental Relations) website: http://www.daair.gov.nt.ca/ live/pages/wpPages/Akaitcho.aspx
- Aleksiuk, M. 1986. Hinterland Who's Who Muskrat. Accessed October 14, 2008 from http://www.hww.ca/hww2.asp?id=96
- Algers, B. and K. Hennichs. 1983. Biological Effects of Electromagnetic Fields on Vertebrates. A Review. Vet. Res. Commun. 6, 265-279.
- Allen, A. W. & Hoffman, R. D. 1984. Habitat Suitability Index Models: Muskrat. U.S. Fish and Wildlife Service, FWS/OBS-82/10.46.
- Allen, A. W. 1983. Habitat Suitability Index Models: Beaver. U.S. Fish and Wildlife Service, FWS/OBS-W10.30 Revised.
- Allen, A. W., Jordan, P. A. & Terrell, J. W. 1987. Habitat Suitability Index Model, Moose, Lake Superior region. U.S. Fish and Wildlife Survey, Biology Report 82.
- Altman, Bob and Rex Sallabanks. 2000. Olive-sided Flycatcher (*Contopus cooperi*), The Birds of North America Online (A. Poole, Ed.). Ithaca: Cornell Lab of Ornithology; Accessed from the Birds of North America Online: http://bna.birds.cornell.edu/bna/species/502
- Andre, A. and Fehr, A. 2002. Gwich'in Ethnobotony: Plants Used by the Gwich'in for Food, Medicine, Shelter, and Tools (2nd ed.). Gwich'in Social and Cultural Institute and Aurora Research Institute. Inuvik, Northwest Territories.
- Archibald, W. R. & Jessup, R. H. 1984. Population Dynamics of the Pine Marten (*Martes americana*) in the Yukon Territory. In: Olson, R., Hastings, R., Geddes, F. (Eds.), Northern ecology and resource management. Edmonton, Alberta: University of Alberta Press: 81-97. Cited in Buskirk, S. W. & Ruggiero, L. F. (1994). American marten. U.S. Forest Service General Technical Report GM-254. pp. 7-37.
- Arseneault, D., Villeneuve, N., Boismenu, C., LeBlanc, Y. & Deshaye, J. 1997. Estimating Lichen Biomass and Caribou Grazing on the Wintering Grounds of Northern Quebec: an Application of Fire History and Landsat Data. Journal of Applied Ecology, 34, 65-78.
- Åutsÿl K'e Dene Elders & Land-Users, Ellis, S., Catholique, B., Desjarlais, S., Catholique, B., Catholique, H., Basil, M., Casaway, N., Catholique, S. & Lockhart, J. 2002. Traditional Knowledge in the Kache Tué Study Region: Phase Three Towards a Comprehensive Environmental Monitoring Program in the Kakinÿne Region. Final Report. Submitted to the West Kitikmeot Slave Study Society.
- Avery, M. L. 1995. Rusty Blackbird (*Euphagus carolinus*). In A. Poole (Ed.), The Birds of North America Online. Ithaca, NY: Cornell Lab of Ornithology. Retrieved fromhttp://bna.birds.cornell.edu/bna/species/200
- Avery, Michael L. 1995. Rusty Blackbird (*Euphagus carolinus*), The Birds of North America Online (A. Poole, Ed.). Ithaca: Cornell Lab of Ornithology; Accessed from the Birds of North America Online: http://bna.birds.cornell.edu/bna/species/200



- Back, G., Sir, & Richardson, J., Sir. 1836. Narrative of the Arctic Land Expedition to the Mouth of the Great Fish River, and along the Shores of the Arctic Ocean, in the Years 1833, 1834, and 1835. Paris: Calignani.
- Badzinski, D. 2003. Trends in numbers of migrant birds at Thunder Cape (1995-2002), 2003 Annual Report. Prepared for Ontario Ministry of Natural Resources, Wildlife Assessment Program by Bird Studies Canada, Port Rowan, ON.
- Ballard, W. B. & Van Ballenberghe, V. 1997. Predator/Prey Relationships. In Franzmann, A. W. & Schwartz, C. C. (Eds.), Ecology and Management of North American Moose (pp.247-273). Washington, DC: Smithsonian Institute Press.
- Banci, V. A. 1987. Ecology and Behavior of Wolverine in Yukon. Unpubl. M.Sc. thesis, University of British Columbia. Vancouver, BC. 178 pp.
- Banfield, A. W. F. 1971. Reaction of Caribou to Various Types of Simulated Pipelines at Prudhoe Bay, Alaska. In Symposium on the Behavior of Ungulates and its Relation to Management. Edited by V. Geist and F. Walther. University of Calgary, Calgary, Alberta, Canada. Paper No. 45.
- Banfield, A. W. F. 1974. The Mammals of Canada. Toronto, ON: University of Toronto Press.
- Banfield, A. W. F. & Jakimchuk, R. D. 1980. Analysis of the Characteristics and Behaviour of Barren-ground Caribou in Canada. Prepared for the Polar Gas Project, Polar Gas Environmental Program.
- Bathurst Arctic Services. 2008. Website, www.bathurstinletlodge.com, accessed December 2008.
- BCMPC (Bathurst Caribou Management Planning Committee). 2004. A Management Plan for the Bathurst Caribou Herd. November 4, 2004.
- Beason, R. C. 1995. Horned Lark (*Eremophila alpestris*). In A. Poole (Ed.), The Birds of North America Online. Ithaca, NY: Cornell Lab of Ornithology. Retrieved from http://bna.birds.cornell.edu/bna/species/195
- Beck, A. 2006. Taltson River Expansion Project: Traditional Knowledge Component from Deninu Kue and Thabacha. N.p.: Prepared for the Northwest Territories Energy Corporation.
- Bélanger, L. & Bédard, J. 1990. Energetic Cost of Man-induced Disturbance to Staging Snow Geese. Journal of Wildlife Management, 54, 36-41.
- Bell, M. 2003. Working with Biophysical and Socio-Economic Data: A Preliminary Step Toward an Integrated Approach to Cumulative Effects Assessment in the Slave Geological Province. Yellowknife, NWT: Report on a workshop organized by Canadian Arctic Resources Committee, March 12-13, 2003.
- Berger, R., I. Martinez, and M. Wisener. 2000. Analysis of GPS Relocation Data (1995-1999) for the Owl Lake Woodland Caribou Report to Manitoba Hydro, Manitoba Conservation, Pine Falls Paper Company, Manitoba Model Forest and Time to Respect Earth's Ecosystems. 88 pp + appendices.



- Bergerud, A. T. 1975. The Reproductive Season of Newfoundland Caribou. Canadian Journal of Zoology, 53,1213-1221.
- Bergerud, A. T. 1983. Prey Switching in a Simple Ecosystem. Sci. Am. 249:130-141.
- Bergerud, A. T., Jakimchuk, R. D. & Carruthers, D. R. 1984. The Buffalo of the North: Caribou (*Rangifer tarandus*) and Human Developments. Arctic, 37(1), 7-22.
- BHPB (BHP Billiton Diamonds Inc.). 2003. 2002 Wildlife Effects Monitoring Program. Prepared for BHP Billiton Diamonds Inc. by Golder Associates Ltd. January 2003.
- BHPB (BHP Billiton Diamonds Inc.). 2004. EKATI Diamond Mine 2003 Wildlife Effects Monitoring Program. Prepared by Golder Associates Ltd. for BHP Billiton Diamonds Inc., Yellowknife, Northwest Territories. January 2004.
- BHPB. 2007. Ekati Diamond Mine 2006 Wildlife Effects Monitoring Program. Prepared by Rescan Environmental Services Ltd. for BHP Billiton Diamonds Inc. May 2007.
- Bird Studies Canada. 2008. Important Bird Areas. Retrieved from http://www.bsc-eoc.org/iba/IBAsites.html
- Blackfeather (Blackfeather Wilderness Adventure Company website). 2008. Accessed December 2008 from www.blackfeather.com.
- Blancher, P. 2003. The Importance of Canada Boreal Forest to Landbirds. Report for the Canadian Boreal Initiative and the Boreal Songbird Initiative. www.borealcanada.ca
- Bloomfield, M. I. 1979. The Ecology and Status of Mountain Caribou and Caribou Range in Central British Columbia. M.Sc. Thesis, University of Alberta, Edmonton, Alberta, Canada. 318pp.
- Bloomfield, M. I. 1980. The Impact of Development, Settlement, and Associated Activities on Mountain Caribou in central British Columbia, Canada. Pages 705-715 in Reimers, E., E. Gaare, and S. Skjenneberg, eds. Proceedings of the Second International Reindeer/Caribou Symposium, Roros, Norway. Direktoratet for vilt og ferskvannsfisk, Trondheim.
- BNA (Birds of North America). 2008. Birds of North America Online. Website http://bna.birds.cornell.edu/bna. Accessed November 2008.
- Booms, T. L. & Fuller, M. R. 2003. Gyrfalcon Feeding Behaviour during the Nestling Period in Central West Greenland. Arctic, 56(4), 341-348.
- Boucher, M. 2006. Taltson River Expansion Project: Traditional Knowledge Component from Deninu Kue and Thabacha. N.p.: Prepared for the Northwest Territories Energy Corporation.
- Boulanger, J. & Gunn, A. 2007. Exploring Possible Causes for the Decline of the Bathurst Herd of Barren-ground Caribou Using Demographic Modelling. Produced for the Department of Environment and Natural Resources, Government of Northwest Territories.



- Boulanger, J., Poole, K., Fournier, B., Wierzchowski, J., Gaines, T. & Gunn, A. 2004. Assessment of Bathurst Caribou Movements and Distribution in the Slave Geological Province. Department of Resources, Wildlife and Economic Development. Government of the Northwest Territories, Yellowknife, N.W.T. Manuscript Report No. 158.
- Bradley, D.M. and L.W. Oliphant. 1991. The Diet of Peregrine Falcons in Rankin Inlet, Northwest Territories: An Unusually High Proportion of Mammalian Prey. The Condor, 93:193-197.
- Bradley, M., Johnstone, R., Court, G. & Duncan, T. 1997. Influence of Weather on Breeding Success of Peregrine Falcons in the Arctic. The Auk, 114, 786-791.
- Bradshaw, C. J. Boutin, A., S. & Hebert, D. M. 1998. Energetic Implications of Disturbance Caused by Exploration to Woodland Caribou. Canadian Journal of Zoology, 76, 1319-1324.
- Bradshaw, C.J.A., S. Boutin and D.M. Hebert. 1997. Effects of Petroleum Exploration on Woodland Caribou in Northeastern Alberta. Journal of Wildlife Management, 61:1127-1133.
- Brand, C. J. & Keith, L. B. 1979. Lynx Demography During a Snowshoe Hare Decline in Alberta. Journal of Wildlife Management, 43(3), 827-829.
- Brand, C. J., Keith, L. B. & Fischer, C. A. 1976. Lynx Responses to Changing Snowshoe Hare Densities in Central Alberta. Journal of Wildlife Management, 40(2), 416-428.
- Bromley, M. & Buckland, L. 1995. Biological information for the Slave Geological Province. Yellowknife, Northwest Territories: Department of Renewable Resources, Government of the Northwest Territories, Report 83.
- Brown, W. K., and J. B. Theberge. 1990. The effects of Extreme Snowcover on Feeding-site Selection by Woodland Caribou. J. of Wildl. Manage. 54:161-169
- Bull, E. L. and J. R. Duncan. 1993. Great Gray Owl (*Strix nebulosa*), The Birds of North America Online (A. Poole, Ed.). Ithaca: Cornell Lab of Ornithology; Retrieved from the Birds of North America Online: http://bna.birds.cornell.edu/bna/species/041
- Bulmer, M.G. 1974. A Statistical Analysis of 10-Year Cycle in Canada. Journal of Animal Ecology, 43, 701-718.
- Bulmer, M. G. 1975. Phase Relations in the Ten-Year Cycle. Journal of Animal Ecology, 44, 609-621.
- Bureau of Statistics, Government of the Northwest Territories, 2008. Population Estimates as at July 1, by Community, Northwest Territories 1996-2007, Accessed from the www http://www.stats.gov.nt.ca/Statinfo/Demographics/population/popest.html. August 5, 2008.
- Burnett, G. W. 1981. Movements and Habitat Use of American Marten in Glacier National Park, Montana. Unpublished M.S. thesis. Missoula, Montana: University of Montana.



- Buskirk, S. W. & Ruggiero, L. F. 1994. American Marten. General Technical Report, U.S. Forest Service. GM-254, 7-37.
- Bussey, J. 1994. Final Report on Archaeological Investigations for the BHP NWT Diamonds Project. Vancouver: Report prepared by Points West Heritage Consulting Ltd. for Rescan Environmental Services Ltd.
- Bussey, J. 1995. Archaeological Investigations for BHP Diamonds Inc. Vancouver: Report prepared by Points West Heritage Consulting Ltd. for Rescan Environmental Services Ltd.
- Bussey, J. 1997. Archaeological Investigations for BHP Diamonds Inc. Vancouver: Report prepared by Points West Heritage Consulting Ltd. for Rescan Environmental Services Ltd.
- Bussey, J. 1998. Archaeological Investigations for BHP Diamonds Inc., EKATI Diamond Mine, Northwest Territories, 1997. Vancouver: Report prepared by Points West Heritage Consulting Ltd. for Rescan Environmental Services Ltd.
- Bussey, J. 1999a. Archaeological Investigations for BHP Diamonds Inc. at the EKATI Diamond Mine, Northwest Territories, 1998. Vancouver: Report prepared by Points West Heritage Consulting Ltd. for Rescan Environmental Services Ltd.
- Bussey, J. 1999b. Five years of Archaeological Research for BHP Diamonds Inc. at the EKATI Diamond Mine, Northwest Territories, 1994-1998. Vancouver: Report prepared by Points West Heritage Consulting Ltd. for Rescan Environmental Services Ltd.
- Bussey, J. 2000a. 1999 Archaeological Investigations for BHP Diamonds Inc. at the EKATI Diamond Mine, Northwest Territories. Vancouver: Report prepared by Points West Heritage Consulting Ltd. for Rescan Environmental Services Ltd.
- Bussey, J. 2000b. 1999 Snap Lake Archaeological Program. Vancouver: Report prepared by Points West Heritage Consulting Ltd. for Winspear Resources Ltd.
- Bussey, J. 2002a. Snap Lake Diamond Project Archaeological Program. Yellowknife, NWT: Report prepared by Points West Heritage Consulting Ltd. for De Beers Canada Mining Inc.
- Bussey, J. 2002b. Tibbitt to Contwoyto Winter Road Archaeological Investigations, 2001. Vancouver: Report prepared by Points West Heritage Consulting Ltd. for EBA Engineering Consultants Ltd.
- Bussey, J. 2003a. 2002 Archaeological Investigations at the Ekati Diamond Mine. Vancouver: Report prepared by Points West Heritage Consulting Ltd. for Rescan Environmental Services Ltd.
- Bussey, J. 2003b. Archaeological Investigations for Seabridge Gold Inc. at the Courageous Lake Property. Yellowknife: Report prepared by Points West Heritage Consulting Ltd. for EBA Engineering Consultants Ltd.



- Bussey, J. 2003c. Archaeological Monitoring for the Snap Lake Diamond Project, 2003. Yellowknife: Report prepared by Points West Heritage Consulting Ltd. for De Beers Canada Mining Inc.
- Bussey, J. 2003d. Tibbitt to Contwoyto Winter Road project 2002 Archaeological Investigations. Vancouver: Report prepared by Points West Heritage Consulting Ltd. for EBA Engineering Consultants Ltd.
- Bussey, J. 2004a. 2003 Archaeological Investigations at the Ekati Diamond Mine. Vancouver: Report prepared by Points West Heritage Consulting Ltd. for Rescan Environmental Services Ltd.
- Bussey, J. 2004b. Tibbitt to Contwoyto Winter Road Archaeological Inspection Tour, 2003. Vancouver: Report prepared by Points West Heritage Consulting Ltd. for EBA Engineering Consultants Ltd.
- Butler, L. 1962. Periodicities in the Annual Muskrat Population Figures for the Province of Saskatchewan. Canadian Journal of Zoology, 40, 1277-1286.
- Cameron, R. D. & Whitten, K. R. 1980. Influence of the Trans-Alaska Pipeline Corridor on the Local Distribution of Caribou. In E. Reimers, E. Gaare, and S. Skjenneberg (Eds.), Proceedings of the Second International Reindeer/Caribou Symposium, Roros, Norway. Direktoratet for vilt og ferskvannsfisk, Trondheim.
- Cameron, R. D., Smith, W. T., Fancy, S. G., Gerhart, K. L. & White, R. G. 1993. Calving Success of Female Caribou in Relation to Body Weight. Canadian Journal of Zoology, 71, 480-486.
- Camsell, C. (Writer) 1916. An Exploration of the Tazin and Taltson Rivers, Northwest Territories, Geological Series. Ottawa: Geological Survey of Canada, Memoir 84.
- CARCNET, Canadian Amphibian and Reptile Conservation Network. CARCNET's Website on the Amphibians and Reptiles of Canada. Ecological Monitoring and Assessment Network Coordinating Office. http://www.carcnet.ca/english/index.html (accessed August, 2008).
- Carlton, J. 1982. Last Chance for the Border Caribou? Defenders 57(4):7-11.
- CBC. 2007. Seven Wonders of Canada: More Wonders: The Seven Wonders of the Northwest Territories. Accessed September, 2008, from http://www.cbc.ca/sevenwonders/
- more wonders northwest territories.html
- Clark, D. W. 1991. Western subarctic prehistory. Hull: Canadian Museum of Civilization.
- Cockburn, R. H. 1985. Warburton Pike (1861-1915). Arctic, 38(2), 152-153.
- Carriere, S., D. Abernethy, M. Bradley, R.G. Bromely, S.B. Matthews, J. Obst and M. Setterington. 2003. Raptor trends in the Northwest Territories and Nunavut: a peregrine falcon case study. In Bird Trends, a report on results of national ornithological surveys in Canada. Number 9, Winter 2003. Editor Judith Kennedy. Canadian Wildlife Service, Environment Canada.



- Carruthers, D. R. and R. D. Jakimchuk. 1987. Migratory Movements of the Nelchina Caribou Herd in Relation to the Trans-Alaska Pipeline. Wildl. Soc. Bull. 15(3):414-420.
- Case, R., Buckland, L. & Williams, M. 1996. The Status and Management of the Bathurst Caribou Herd, Northwest Territories, Canada. Department of Renewable Resources, Government of the Northwest Territories, Yellowknife, File Report No. 116.
- Chapin, T. G., Harrison, D. J. & Phillips, D. M. 1997. Seasonal Habitat Selection by Marten in an Untrapped Forest Preserve. Journal of Wildlife Management, 61(3), 707-17.
- Chappell, D. E., Van den Bussche, R.A., J. Krizan, and B. Patterson. 2004. Contrasting Levels of Genetic Differentiation among Populations of Wolverines (*Gulo gulo*) from Northern Canada Revealed by Nuclear and Mitochondrial Loci. Conservation Genetics 5:759-767.
- Colman, J. E., Wollebekk Jacobson, B. & Reimers, E. 2001. Summer Fright Behaviour of Svalbard Reindeer after Disturbance by Humans on Foot. Wildlife Biology, 7, 275-283.
- Cooper, J.M., M. Wheately, P.A. Chytyk, A. Deans, C. Holschuh and S.M. Beauchesne. 2004. Potential impacts on birds in the Mackenzie Valley from Pipeline clearings for the Mackenzie Gas Project. Technical Report Series No. 442. Canadian Wildlife Service.
- Copeland, J. P. 1996. Biology of the Wolverine in Central Idaho. Unpubl. M.Sc. thesis, University of Idaho, Moscow, ID.
- COSEWIC. 2000. COSEWIC Assessment and Update Status Report on the Northern Leopard Frog Rana pipiens (Southern Mountain and Prairie Populations) in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa, ON.
- COSEWIC (Committee on the Status of Endangered Wildlife in Canada). 2007. Canadian Species at Risk, November 2007. Assessment and Update Status Reports. Committee on the Status of Endangered Wildlife in Canada. Ottawa, ON. Accessed July 26, 2008 from: http://www.sararegistry.gc.ca/document/default\_e.cfm?documentID=1043.
- Court, G. S., Gates, C. G. & Boag, D. A. 1988. Natural History of the Peregrine Falcon in the Keewatin District of the Northwest Territories. Arctic, 41, 17–30.
- Court, G.S., D.M. Bradley, C.C. Gates and D.A. Boag. 1989. Turnover and Recuitment in a Tundra Population of Peregrine Falcons. Ibis 131:487-496.
- Cox, G. W. 1990. Measurement of Species Diversity. In Laboratory Manual of General Ecology (6th Edition). Dubuque, IA: Wm. C. Brown Publishers.
- Craighead, F. C., Jr. & Mindell, D. P. 1981. Nesting raptors in western Wyoming, 1974 and 1975. Journal of Wildlife Manage, 45, 865-872.
- Cumming, H. G., and B. T. Hyer. 1996. Experimental Log Hauling through a Traditional Caribou Wintering Area. Rangifer Special Issue No. 10:241-258.
- Curatolo, J. A. 1975. Factors Influencing Local Movements and Behaviour of Barren-ground Caribou (*Rangifer tarandus granti*). M.Sc. Thesis edition. Fairbanks, AK: University of Alaska.



- Curatolo, J. A. and S. M. Murphy. 1986. The Effects of Pipelines, Roads, and Traffic on the Movements of Caribou. Can. Field Nat. 100(2):214-218.
- Danell, K. 1978. Population Dynamics of the Muskrat in a Shallow Swedish Lake. Journal of Animal Ecology, 47, 697-709.
- Darby, W. R., and W. O. Pruitt. 1984. Habitat Use, Movements and Grouping Behavior of Woodland Caribou, Rangifer tarandus caribou, in Southeastern Manitoba. Can. Field Nat. 98(2):184-190.
- Davis, L.S., and Johnson, K.N. 1987. Forest Management. McGraw-Hill, Inc., 3rd ed. New York, N.Y.
- DDMI (Diavik Diamond Mines Inc.) 2007. Wildlife Monitoring Report. Prepared by Golder Associates Ltd.
- DDMI (Diavik Diamond Mines Inc.). 1998. Environmental Effects Report, Wildlife. Prepared by Diavik Diamond Mines Inc.
- DDMI (Diavik Diamond Mines Inc.). 2006. Wildlife Monitoring Report. Prepared for Diavik Diamond Mines Inc. by Golder Associates Ltd.
- DDMI. 2008. Wildlife Monitoring Report. Prepared for Diavik Diamond Mines Inc. by Golder Associates Ltd.
- De Beers (De Beers Canada Inc.). 2002. Snap Lake Diamond Project Environmental Assessment Report. Prepared for De Beers Canada Inc. by Golder Associates Ltd.
- De Beers (De Beers Canada Mining Inc). 2002. Snap Lake Diamond Project Environmental Assessment Report. Prepared for De Beers Canada Inc. by Golder Associates Ltd.
- De Beers. 2007. Snap Lake Project Wildlife Effects Monitoring Program. 2006 Annual Report. Prepared for De Beers Canada Inc. by Golder Associates Ltd., Yellowknife, N.W.T.
- De Beers. 2008. Snap Lake Mine: Analysis of Environmental Effects on Wildlife, 1999 to 2007. Prepared for De Beers Canada Inc. by Golder Associates Ltd., Yellowknife, N.W.T.
- De Beers. 2008. Letter from De Beers Canada Inc. to Richard Edjericon, Mackenzie Valley Environmental Impact Review Board. December 8, 2008
- DeBell, D. S., and J. F. Franklin. 1987. Old-growth Douglas-fir and Western Hemlock: a 36-Year Record of Growth and Mortality. Western Journal of Applied Forestry 2: 111-114.
- Demarais, S. & Krebs, P. R. 2000. Ecology and Management of Large Mammals in North America. Upper Saddle River, NJ: Prentice-Hall Inc.
- Department of Fisheries and Oceans Canada, 1995. Survey of Recreational Fishing in Canada, 1995. Statistical Services. Available at: http://www.dfo.mpo.gc
- Department of Indian and Northern Affairs Canada (CCI Press), 2001. Carte des Expéditions Chez Les Dindjié et les Déné Septentrionaux, Emile Petitot, Prêtre Missionnaire, Dressée par



- lui-même de 1862 à 1873 reproduced in Savoie, Donat (ed) Land Occupancy by the Amerindians of the Canadian Northwest in the 19th Century as reported by Émile Petitot Canada.
- Department of Industry, Tourism and Investment, Government of the Northwest Territories 2007. Communities and Diamonds 2006 Annual Report. Accessed September 6, 2008 from http://www.gov.nt.ca/research/publications/index.html.
- Department of Industry, Tourism and Investment, Government of the Northwest Territories 2007. Mackenzie Gas Project Socio-Economic Agreement. Accessed September 11, 2008 from http://www.iti.gov.nt.ca/publications.
- Department of Transportation (DOT), Government of the Northwest Territories, 2007. Highway Traffic.
- DKFN (Deninu Kué First Nation). 2007. Presentation to Mackenzie Valley Environmental Impact Review Board for UR-Energy's Application to Conduct a Uranium Exploration Project at Screech Lake in the Thelon River Basin and the Traditional Territory of the Akaitcho Dene First Nation. Accessed January 30, 2008 from <a href="http://www.mveirb.nt.ca/upload/project\_document/1169654589\_Deninu%20Kue%20First%20Nation%20UR%20ENERGY%20Presentation.pdf">http://www.mveirb.nt.ca/upload/project\_document/1169654589\_Deninu%20Kue%20First%20Nation%20UR%20ENERGY%20Presentation.pdf</a>
- Dogrib Treaty 11 Council. 2001. Caribou Migration and the State of Their Habitat. Submitted to the West Kitikmeot Slave Study Society. Yellowknife, NT.
- Doucet, G. J., and E. R. Thompson. 2002. Deer Browse Monitoring in a Reconstructed 120 kV Powerline Right-of-Way after an Ice Storm. In: Proceedings of the Seventh International Symposium on Environmental Concerns in Rights-of-Way Management 9-13 September 2000, Calgary, AB, Canada. Edited by J. W. Goodrich-Mahoney, D.F. Mutric and C. A. Guild. Published by Elservier Science. Pgs. 383-388.
- Dragon, J. I. D. 2002. Commercial Use of Caribou (*Rangifer tarandus*) in the Canadian Arctic. PhD Thesis, University of Alberta.
- Ducks Unlimited Canada. 2003. Ducks Unlimited Aerial Waterbird Survey Protocol. Ducks Unlimited Canada.
- Ducks Unlimited Canada. 2008. Website, www.ducks.org. Accessed November, 2008.
- Duncan, J. R. and P. A. Duncan. 1998. Northern Hawk Owl (*Surnia ulula*), The Birds of North America Online (A. Poole, Ed.). Ithaca: Cornell Lab of Ornithology; Retrieved from the Birds of North America Online: http://bna.birds.cornell.edu/bna/species/356
- Dyer, S. J. 1999. Movement and Distribution of Woodland Caribou (*Rangifer tarandus caribou*) in Response to Industrial Development in Northeastern Alberta. Master of Science Thesis, University of Alberta.
- Dyer, S. J., O'Neil, J. P., Wasel, S. M. & Boutin, S. 2001. Avoidance of Industrial Development by Woodland Caribou. Journal of Wildlife Management, 65, 531 542.



- Earhart, C. M. 1969. The Influence of Soil Texture on the Structure, Durability, and Occupancy of Muskrat Burrows in Farm Ponds. California Fish and Game, 33(3), 179-196.
- EBA Engineering Consultants Ltd., 2007. An Overview of Strategic Transportation Options to Supplement the Tibbitt to Contwoyto Winter Road, prepared for the Tibbitt to Contwoyto Winter Road Joint Venture, by EBA Engineering Consultants Ltd., February 2007. (TCWR, 2007)
- EC (Environment Canada). 2007. Recovery Strategy for the Whooping Crane (*Grus americana*) in Canada. Species at Risk Act Recovery Strategy Series. Environment Canada. Ottawa vii+27pp.
- EC. 2008. Whopoing Crane Status and Threats. http://www.mb.ec.gc.ca/nature/endspecies/whooping/db01s02.en.html#population07. Accessed August 25, 2008
- Eccles, T. R., and J. A. Duncan. 1986. Wildlife Monitoring Studies along the Norman Wells-Zama Oil Pipeline, April 1985 May 1986. Prep. for Interprovincial Pipeline (NW) Ltd. Prep by: LGL Ltd., Environmental Research Associates, Calgary, AB. 48 pp.
- Eccles, T. R., G. Searing, J. Duncan, and C. Thompson. 1985. Wildlife Monitoring Studies along the Norman Wells–Zama Oil Pipeline, January-March 1985. LGL Ltd., Environmental Research Associates, Calgary, AB. 96 pp.
- Edmonds, E. J. & Bloomfield, M. 1984. A Study of Woodland Caribou (*Rangifer tarandus caribou*) in West-Central Alberta, 1979-1983. Alberta Energy and Natural Resources, Fish and Wildlife Division.
- Edmonds, J. E. 1988. Population Status, Distribution, and Movements of Woodland Caribou in West-central Alberta. Can. J. Zool. 66:817-826.
- Eiserer, L. A. 1980. Effects of grass length and mowing on foraging behavior of the American Robin (*Turdus migratorius*). Auk, 97, 576–580.
- Elton, C. & Nicholson, M. 1942. Fluctuations in numbers of the muskrat (*Ondatra zibethica*) in Canada. Journal of Animal Ecology, 11, 96-126.
- ENR (Environment and Natural Resources). 2005. North Slave Region Moose Surveys. Poster produced by Environment and Natural Resources, Government of the Northwest Territories. Accessed September 27, 2008 from http://www.nwtcimp.ca/documents/cimpProjects/RWED\_CIMP\_Moose/CIMP\_Moose\_S urvey\_Poster\_Feb05.pdf
- ENR (Environment and Natural Resources). 2006. Caribou Forever: Our Heritage, Our Responsibility. A Barren-ground Caribou Management Strategy for the Northwest Territories, 2006-2010. Government of Northwest Territories, Environment and Natural Resources.
- ENR (Environment and Natural Resources). 2006. Database of NWT Resident Hunter Harvest. Environment and Natural Resources, Government of the Northwest Territories.



- ENR. 2007. Satellite Collar Caribou Data. Courtesy of A. D'Hont & J. Williams. Department of Environment and Natural Resources, Government of Northwest Territories.
- ENR. 2008. Department of Environment and Natural Resources, Government of the Northwest Territories website. Accessed September 25, 2008, from www.nwtwildlife.com
- ENR. 2008a. Environment and Natural Resources, Government of the Northwest Territories, website www.nwtwildlife.com. Accessed August 5, 2008.
- ENR. 2008b. Species at Risk in the Northwest Territories. Department of Environment and Natural Resources, Yellowknife, NT.
- Environment Canada. 2005. Narrative Descriptions of Terrestrial Ecozones and Ecoregions of Canada. Retrieved from http://www.ec.gc.ca/soer-ree/English/Framework/Nardesc/default.cfm
- Environment Canada. 2006. What is a Wetland? Accessed December 14, 2007, from http://www.qc.ec.gc.ca/faune/AtlasTerresHumides/html/definition\_e.html.
- Environment Canada. 2008. Peace Athabasca Delta, Ramsar Site. Retrieved from http://www.mb.ec.gc.ca/nature/whp/ramsar/df02s06.en.html
- Fahrig, L. 1997. Relative effects of habitat loss and fragmentation on population extinction. Journal of Wildlife Management, 61, 603-610.
- Fancy, S. G. & White, R. G. 1987. Energy Expenditures for Locomotion by Barren-ground Caribou. Canadian Journal of Zoology, 65, 122-128.
- Fast, H. & Berkes, F. 1999. Climate Change, Northern Subsistence and Land-based Economics. In: D. Wall et al. (eds.), Securing Northern Futures. Edmonton, AB: Canadian Circumpolar Institute Press.
- Fedirchuk McCullough & Associates Ltd. 1999. Diavik Diamonds Project: Environmental Effects Report, Heritage Resources. Yellowknife: Report submitted to Diavik Mines Inc.
- Fedirchuk McCullough & Associates Ltd. 2000. Heritage Resource Studies: Diavik Diamond Mines Inc. Lac de Gras Potential Borrow Source. Yellowknife: Report submitted to Diavik Diamond Mines Inc.
- Fedirchuk, G. 1995. Heritage Resource Impact Assessment, Kennecott Southwest Diavik Property. Calgary: Report submitted to Acres International Ltd.
- Fedirchuk, G. 1996. Heritage Resource Studies: Mountain Province Mining Inc. Vancouver: Report submitted to Canamera Geological Ltd.
- Fedirchuk, G. 1997. Continuing Heritage Resources Impact Assessment. Yellowknife: Report submitted to Diavik Mines Inc.
- Ferguson, M. A. D. & Messier, F. 2000. Mass Emigration of Arctic Tundra Caribou from a Traditional Winter Range: Population Dynamics and Physical Condition. Journal of Wildlife Management, 64, 168-178.



- Fleck, E. S. & Gunn, A. 1982. Characteristics of Three Barren-ground Caribou Calving Ground in the Northwest Territories. Progress Report 7. NWT Wildlife Service, Government of the Northwest Territories, Yellowknife, N.W.T.
- Fletcher, J. L., and R. G. Busnel (eds). 1978. Effects of Noise on Wildlife. London: Academic Press
- Flydal, K. K., I. Rogstad, E. Per, and E. Reimers. 2003. Reindeer (*Rangifer tarandus tarandus*) Perception of Noise from Powerlines. Rangifer 23(1):21-24.
- Fournier, M.A. 1997. Amphibians in the Northwest Territories: a Summary of Historical Information. In: Amphibians in Decline: Canadian Studies of a Global Problem. 1: 100-106. Saint Louis, Missouri: Society for the Study of Amphibians and Reptiles.
- Fournier, B.J. and J.E. Hines. 2005. Geographic distribution and changes in population densities of waterfowl in the Northwest Territories, Canada, 1976-2003. Technical Report Series No. 433. Canadian Wildlife Service.
- Franklin, J., 1823. Narrative of a Journey to the Shores of the Polar Sea London, 1823, p. 287.
- Fryxall, J. M., Falls, J. B., Falls, E. A., Brooks, R. J., Dix, L. & M. A. Strickland. 1999. Density Dependence, Prey Dependence, and Population Dynamics of Martens in Ontario. Ecology, 80(4), 1311-1321.
- Fuller, T. K. 1989. Population Dynamics of Wolves in North-central Minnesota. Wildl. Monogr. 105:1-41.
- Fuller, T. K., W. E. Berg, G. L. Radde, M. S. Lenarz, and G. B. Joselyn. 1992. A History and Current Estimate of Wolf Distribution and Numbers in Minnesota. Wildlife Society Bulletin 20:42-55.
- Furness, R. W. & Greenwood, J. J. D. 1993. Birds as monitors of environmental change. London: Chapman & Hall.
- Fyfe, R. W. & Oldendorff, R. R. 1976. Minimizing the Dangers to Nesting Raptors and Other Sensitive Species. Occasional Paper 23. Ottawa, ON: Canadian Wildlife Service.
- Gardner, C. L., W. B. Ballard, and R. H. Jessup. 1986. Long Distance Movement by an Adult Wolverine. Journal of Mammalogy 67(3):603.
- Gasaway, W. C., R. O. Stephenson, J. L. Davis, P. E. K. Shepherd, and O. E. Burris. 1989. Interrelationships of Wolves, Prey, and Man in Interior Alaska. Wildl. Monograph 84:1-50.
- Ghassemi, F and I. White, 2007. Inter-Basin Water Transfer Case Studies Cambridge University Press 2007 (see Table 12.9 "Major inter-basin water diversion projects in Canada", p. 277)
- GNWT (Government of the Northwest Territories). Bathurst Caribou Survey Completed. Press Release, Tuesday, September 19, 2006.



- GNWT, Department of Environment and Natural Resources. 2008. Species at Risk in the Northwest Territories: A Guide to NWT Species Legally Listed under the Federal Species at Risk Act and Those Under Consideration for Listing. Government of the Northwest Territories. Yellowknife, NT.
- GNWT. 2004. Trees and Shrubs of the Northwest Territories. Government of the Northwest Territories, Department of Environment and Natural Resources, Forest Management Division. Available at http://forestmanagement.enr.gov.nt.ca/forest\_education/trees shrubs.htm.
- Golder (Golder Associates Ltd). 2008a. Snap Lake Mine: Analysis of Effects on Wildlife 1999 to 2007. Prepared by Golder Associates Ltd. for De Beers Canada Inc.
- Golder (Golder Associates Ltd.). 2008. Jericho Diamond Project 2007 Wildlife Monitoring Program Data Summary. Prepared by Golder Associates Ltd. for the Tahera Diamond Corporation.
- Golder. 2004. Regional Caribou Monitoring Program in the Lac de Gras Area, Northwest Territories, 2003. Submitted to Diavik Diamond Mines Inc. and BHP Billiton Diamonds Inc.
- Golder. 2005. Analysis of Environmental Effects from the Diavik Diamond Mine on Wildlife in the Lac de Gras Region. Submitted to Diavik Diamond Mines Inc.
- Golder. 2006. Wildlife and Wildlife Habitat Studies along the Taltson Expansion Project.

  Prepared by Golder Associates Ltd. for the Northwest Territories Energy Corporation.

  Yellowknife, NT.
- Golder. 2007. Autumn and Early Winter Wildlife Surveys, Taltson Expansion Project. Prepared by Golder Associates Ltd. for the Northwest Territories Energy Corporation. Yellowknife, NT.
- Golder. 2008a. Analysis of Environmental Effects from the Diavik Diamond Mine on Wildlife in the Lac de Gras Region. Prepared for the Diavik Diamond Mines Inc., by Golder Associates Ltd.
- Golder. 2008b. Snare Hydro Transmission Line Caribou Survey, 17 January 2008. Golder Associates Ltd., Yellowknife, NT.
- Golder. 2008b. Analysis of Environmental Effects from the Diavik Diamond Mine on Wildlife in the Lac De Gras Region. Submitted to Diavik Diamond Mines Inc. Prepared by Golder Associates Ltd. for Diavik Diamond Mines Inc.
- Gordon, B. C. 1975. Of Men and Herds in Barrenland Prehistory, National Museum of Man Mercury Series: Archaeological Survey of Canada.
- Gordon, B. C. 1996. People of sunlight: People of Starlight: Barrenland Archaeology in the Northwest Territories of Canada. Hull: Canadian Museum of Civilization.



- Government of the Northwest Territories, 2002. Bureau of Statistics. 2002 NWT Regional Employment & Harvesting Survey: Summary of Results. Accessed from the www on August 5, 2008. http://www.stats.gov.nt.ca/Statinfo/Labour/2002LFS/LFS 2002.pdf.
- Government of the Northwest Territories, 2007 Bureau of Statistics. Summary of NWT Community Profiles. Accessed September 8, 2008 from http://www.stats.gov.nt.ca/Profile/2007%20Summary%20of%20Comm%20stats.pdf.
- Government of the Northwest Territories, 2007. Interdepartmental Granular Acquisition Committee (IGAC), Territorial Granular Resource Forecast Report. Prepared by Government of the Northwest Territories (PWS, MACA, Department of Transportation and NWTHC), July 2007.
- Government of the Northwest Territories, 2007. Resource Development Impacts: Updated Estimates of the Cumulative Impact of Resource Development on Government of the Northwest Territories Operational Expenditures. November 2007.
- Government of the Northwest Territories. 2008. Spectacular Northwest Territories website, www.spectacularnwt.com.Accessed December 2008.
- GNWT. 2001. NWT Archaeological Site Regulations. JUS-600671, P.C. 2001-1110, SOR/2001-219. Accessed September, 2008, from http://pwnhc.learnnet.nt.ca/policy/archsite.htm
- Griffith, B., Gunn, A., Russell, D., Johnstone, J., Kielland, K., Wolfe, S. & Douglas, D. C. (2002). Bathurst Caribou Calving Ground Studies: Influence of Nutrition and Human Activity on Calving Ground Location. Final Report submitted to West Kitikmeot Slave Study Society.
- Gunn A., Dragon, J., Papik, S., Panayi, D., Svoboda, M., Sutherland, M. & D'Entremont, M. 1998. Summer Behaviour of Bathurst Caribou at Mine Sites and Response of Caribou to Fencing and Plastic Deflectors. Department of Resources, Wildlife and Economic Development, GNWT. Final Report to the West Kitikmeot/Slave Study Society.
- Gunn, A. & Adamczewski, J. 2003 Muskox. In G. Feldhamer, B. A. Chapman & J. A. Chapman (Eds.), Wild Mammals of North America. Baltimore, Maryland: The Johns Hopkins University Press.
- Gunn, A. & D'Hont, A. 2002. Extent of Calving for the Bathurst and Ahiak Caribou Herds. Department of Resources, Wildlife and Economic Development, Government of Northwest Territories. Manuscript No. 149.
- Gunn, A. & Fournier, B. 2000. Calf Survival and Seasonal Migrations of a Mainland Muskoxen Population. Yellowknife, NT: Department of Resources, Wildlife and Economic Development. Government of the Northwest Territories, File Report No. 24.
- Gunn, A. 1984a. A Review of Research on the Effects of Human Activities on Barren-ground Caribou of the Beverly and Kaminuriak Herds, Northwest Territories. File Report No. 43. NWT Wildlife Service, Government of the Northwest Territories, Yellowknife, NT.
- Gunn, A. 1984b. Sex and Age Composition of the Beverly Herd of Barren-ground Caribou in the Fall of 1981 and 1982. File Report No. 40. N.W.T. Wildlife Service, Government of the Northwest Territories, Yellowknife, NT.



- Gunn, A., Boulanger, J. & Williams, J. 2005. Calf Survival and Fall Sex Ratios in the Bathurst Herd of Barren-ground Caribou 2000-2004. Northwest Territories Department of Resources, Wildlife and Economic Development. Manuscript No. 164.
- Gunn, A., Dragon, J. & Boulanger, J. 2002. Seasonal Movements of Satellite-collared Caribou from the Bathurst Herd. Final Report. Submitted to the West Kitikmeot Slave Study Society.
- Gunn, A., Fournier, B. & Nishi, J. 2000. Abundance and Distribution of the Queen Maud Gulf Caribou Herd, 1986-98. File Report No. 126. Department of Resources, Wildlife and Economic Development. Government of the Northwest Territories, Yellowknife, NT.
- Gunn, A., Glaholt, R., Miller, F. L. & Jingfors, K. 1983. Caribou Behaviour, Range Use Patterns and Short Term Responses to Helicopter Landings on the Beverly Calving Ground, NWT, 1982. File Report No. 30. NWT Wildlife Service, Government of the Northwest Territories, Yellowknife, NT.
- Gunn, A., Griffith, B., Kofinas, G. & Russell, D. 2001. Cumulative Impacts and the Bathurst Caribou Herd: Proposed Tools for Assessing the Effects. Contract Report for the Department of Indian Affairs and Northern Development.
- Gurd, D. B. 2007a. Mechanistic Analysis of Interspecific Competition Using Foraging Trade-offs: Implications for Duck Assemblages. Ecology, 89(2), 495–505.
- Gurd, D. B. 2007b. Predicting Resource Partitioning and Community Organization of Filter-feeding Dabbling Ducks from Functional Morphology. American Naturalist, 169, 334–343
- Halsey, L. A., Vitt D. H., Beilman, D., Crow, S., Mehelcic, S., & Wells, R. 2003. Alberta Wetlands Inventory Standards, Version 2.0. Alberta Sustainable Resource Development, Resource Data Branch. Edmonton, AB.
- Hanbury, D. 1904. Sport and Travel in the Northland of Canada. London: Edward Arnold.
- Hanna, D. 2007. Historical Resources Overview, Taltson Expansion Project, Desktop Archaeological Study. Yellowknife: Report prepared for Northwest Territories Energy Corporation.
- Hansen, H. A. & McKnight, D. E. 1964. Emigration of Drought-displaced Ducks to the Arctic. North American Wildlife Natural Resource Conference, 29, 112-127.
- Harrington, B.A. 2001. Red Knot (*Calidris canutus*), The Birds of North America Online (A. Poole, Ed.). Ithaca: Cornell Lab of Ornithology; Accessed from the Birds of North America Online: http://bna.birds.cornell.edu/bna/species/563
- Harrington, F. H. 1996. Human Impacts on George River Caribou. Rangifer Special Issue 9: 277-278.
- Hauge, T. M. & Keith, L. B. 1981. Dynamics of Moose Populations in Northeastern Alberta. Journal of Wildlife Management, 45, 573-597.



- Hayward, G. D. and P. H. Hayward. 1993. Boreal Owl (*Aegolius funereus*), The Birds of North America Online (A. Poole, Ed.). Ithaca: Cornell Lab of Ornithology; Retrieved from the Birds of North America Online: http://bna.birds.cornell.edu/bna/species/063
- Hayward, G.D. 1991. Using Population Biology to Define Old Growth Forests. Wildlife Society Bulletin, 19, 111-116.
- Heard, D. C. & Calef, G. W. 1986. Population Dynamics of the Kaminuriak Caribou Herd, 1968-1985. Rangifer Spec. Issue, 1, 159-166.
- Hearne, S., & Tyrrell, J. B. 1911. A Journey from Prince of Wales's Fort in Hudson's Bay to the Northern Ocean in the Years 1769, 1770, 1771, and 1772. Toronto: Champlain Society.
- Hearne, S., & Tyrrell, J. B. 1934. Journals of Samuel Hearne and Philip Turnor. Toronto: Champlain Society.
- Helle, T. & Tarvainen, L. 1984. Effects of Insect Harassment on Weight Gain and Survival in Reindeer (*Rangifer tarandus*) calves. Rangifer, 4, 24-27.
- Hendricks, P. & Pidgeon, C. 1990. Savannah sparrows nesting in alpine habitat in Wyoming. Journal of Field Ornithology, 61, 64-66.
- Hill, E. L. 1985. A preliminary Examination of the Behaviour Reaction of Caribou to the Upper Salmon River Hydroelectric Development in Newfoundland. As reported in: Caribou Management, Census Techniques, Status in Eastern Canada, Proceedings of the 2nd North American Caribou Workshop, Val Morin, Quebec October 1984. McGill Subarctic Research Paper No. 40, Centre for Northern Studies and Research, McGill University, 1985 Paper No. 7.
- Hill, E. P. 1982. Beaver (*Castor canadensis*). In J. A. Chapman & G. A. Feldhamer (Eds.), Wild mammals of North America (pp. 256-281). Baltimore, Maryland: Johns Hopkins University Press.
- Horejsi, B. L. 1981. Behavioral Response in Barren-ground Caribou to a Moving Vehicle. Arctic 34(2):180-185.
- Hornbeck, G. E. and T. R. Eccles. 1991. Population Characteristics and Range Use of Woodland Caribou in the Pedigree Area of Northwest Alberta. Prep. for: Pedigree Caribou Standing Committee. Prepared by: Delta Environmental Management Group, Calgary, AB. 66pp.
- Houston, C. S., D. G. Smith and C. Rohner. 1998. Great Horned Owl (*Bubo virginianus*), The Birds of North America Online (A. Poole, Ed.). Ithaca: Cornell Lab of Ornithology; Retrieved from the Birds of North America Online: http://bna.birds.cornell.edu/bna/species/372
- Hunt, P. D. & Eliason, B. C. 1999. Blackpoll warbler (*Dendroica striata*). In A. Poole (Ed.), The Birds of North America Online. Ithaca, NY: Cornell Lab of Ornithology. Retrieved from http://bna.birds.cornell.edu/bna/species/431



- Hussell, D. J. & R. Montgomerie, R. 2002. Lapland Longspur (*Calcarius lapponicus*). In A. Poole (Ed.), The Birds of North America Online. Ithaca: Cornell Lab of Ornithology. Retrieved from http://bna.birds.cornell.edu/bna/species/656
- Immelanann, K. 1971. Ecological Aspects of Periodic Reproduction. In D. S. Farner & J. R. King (Eds.), Avian biology (Vol. 1). New York and London: Academic Press.
- INAC 2008. Spatial Information for DIAND (SID) Viewer. 2007. Department of Indian Affairs and Northern Development. http://nwt-tno.inac-ainc.gc.ca/ism-sid/index e.asp
- Irving, W. N. 1970. The Arctic Small Tool Tradition. Eighth Conference of Anthropological and Ethnological Sciences, Tokyo.
- ITI (Industry, Trade and Tourism). 2007. Database of Fur Harvest Records, North Slave and South Slave Regions, 2005 to 2007. Department of Industry, Trade and Tourism, Government of the Northwest Territories.
- 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 (CAPP). Prep. By: Arc Wildlife Services Ltd. Calgary, AB. 115pp.
- James, A. R. C. & Stuart-Smith, A. K. 2000. Distribution of Caribou and Wolves in Relation to Linear Corridors. Journal of Wildlife Management, 64(1), 154-159.
- James, A. R. C. 1999. Effects of Industrial Development on the Predator-Prey Relationship Between Wolves and Caribou in Northeastern Alberta. Ph.D. Thesis, University of Alberta.
- Jenness, Diamond, 1932. The Indians of Canada Ottawa: National Museum of Canada, Bulletin 65, 1932.
- Johnson, C. J., Boyce, M. S., Case, R. L., Cluff, H. D., Gau, R. J., Gunn, A. & Mulders, R. 2005. Cumulative Effects of Human Developments of Arctic Wildlife. Wildlife Monographs, 160, 1-36.
- Johnstone, R. M. 1997. Update of Status Report on the American Peregrine Falcon. Saskatoon, SK: Department of Veterinary Anatomy, Western College of Veterinary Medicine, University of Saskatchewan.
- Keith, L. B. 1993. Hinterland Who's Who Canada Lynx. Retreived October 14, 2008 from http://www.hww.ca/hww2.asp?id=84
- Kelsall, J. P. 1968. The Migratory Barren-ground Caribou of Canada. Department of Indian Affairs and Northern Development, Government of Canada, Ottawa, ON.
- Kendell, K. 2002. Survey Protocol for the Northern Leopard Frog. Alberta Sustainable Resource Development. Edmonton, AB.
- Kendrick, A. 2003. Caribou Co-management and Cross-cultural Knowledge Sharing. Winnipeg: University of Manitoba.



- Kendrick, A., Lyver, P. O. & LKDFN (Łutsel K'e Dene First Nation). 2005. Denésoliné (Chipewyan) knowledge of barren-ground caribou (*Rangifer tarandus groenlandicus*) Movements. Arctic, 58, 175-191.
- Kennedy, P. L. 1980. Raptor Baseline Studies in Energy Development. Wildlife Society Bulletin, 8(2), 129-135.
- Kirk, D.A. 2003. Overview of raptor status and conservation in Canada. In Bird trends. A report on results of national ornithological surveys in Canada. Ed. Judith Kennedy. Number 9, 2003. Available at www.cws-scf.ec.gc.ca/birds/news/index e.cfm
- Klein, D. R. 1992. Comparative Ecological and Behavioral Adaptations of Ovibos moschatus and Rangifer tarandus. Rangifer, 12, 47-55.
- Klein, D. R. 1971. Reaction of Reindeer to Obstructions and Disturbances. Science 173:393-398.
- Klein, D. R. 1979. Reaction of Caribou and Reindeer to Obstructions A Reassessment. In:
   Proceedings of the 2nd International Reindeer/Caribou Symposium. September 1979.
   RORUS, Norway. Edited by E. Reimers, E. Gaare and S. Skjenneberg. Published by
   Direktoratet Fur Vilt OG Ferskvannstisk, Trondheim, 1979. pp. 519-527.
- Korschgen, C. E. & Dahlgren, R. B. 1992. Human Disturbance of Waterfowl: Causes, Effects, and Management. Fish and Wildlife Leaflet 13. Washington, DC: U.S. Department of the Interior, Fish and Wildlife Service.
- Krebs, J., E. C. Lofroth, and I Parfitt. 2007. Multiscale Habitat Use by Wolverines in British Columbia, Canada. Journal of Wildlife Management 71 (7): 2180-2192. Environment Complete, EBSCOhost (accessed September 19, 2008).
- Lack, D. 1947. The Significance of Clutch Size. London, UK: Oxford University Press.
- Lack, D. 1954. The Natural Regulation of Animal Numbers. London, UK: Oxford University Press.
- Landa, A., O. Strand, J. D. C. Linnell, and T. Skogland. 1998. Home-range Sizes and Altitude Selection for Arctic Foxes and Wolverines in an Alpine Environment. Canadian Journal of Zoology 76(3):448-457.
- Larter, N. C. & J. A. Nagy. 1997. Peary Caribou, Muskoxen, and Banks Island Forage: Assessing Seasonal Diet Similarities. Rangifer, 17, 9-16.
- Latour, P. B., Maclean, N. & Poole, K.G. 1994. Movements of Martens in Burned and Unburned Taiga in the Mackenzie Valley, Northwest Territories. Canadian Field-Naturalist, 108(3), 351-354.
- Lee, J., and A. Niptanaitiak. 1996. Observation of Repeated Use of a Wolverine (*Gulo gulo*) Den on the Tundra of the Northwest Territories. Canadian Field-Naturalist 110:349-350.
- Lesica, P. and F.W. Allendorf. 1995. When Are Peripheral Populations Valuable for Conservation? Conservation Biology, 9(4): 753-760.



- Lewis, J.C. 1995. Whooping Crane (*Grus americana*), the Birds of North America Online (A. Poole, Ed.). Ithaca: Cornell Lab of Ornithology; Accessed from the Birds of North America Online: http://bna.birds.cornell.edu/bna/species/153.
- Lewis, J.C., E. Kuyt, K.E. Schwindt, and T.V. Stehn. 1992. Mortality in Fledged Whooping Cranes of the Aransas-Wood Buffalo population. Proc. 1988 N. Am. Crane Workshop: 145-147.
- LKCSS. 2008. Summary of Łutsel K'e Community Scoping Session, March, 2008. N.p.: Prepared for Dezé Energy Corporation.
- LKDFN Elders, WLEC, Ellis, S., Boucher, E., & Catholique, S. 2001. Nñ hat'nî Watching the Land: Cumulative Effects Assessment and Management in the Denesoline Territory, Final Report. N.p.: Submitted to the NWT CEAM Steering Committee/ Canadian Arctic Resources Committee, by the Łutsel K'e Dene First Nation.
- LKDFN (Łutsel K'e Dene First Nation), Drybones, M., Drybones, N., Catholique, J., Desjardans, V., Lockheart, M., Marlowe, P., Michel, A., Michel, J., Rabesca, J. B., Catholique, M., Parlee, B., Catholique, B. & Catholique, L. 1999. Habitats and Wildlife of Gahcho Kué and Katth'I Nene. Final Report. Submitted to the West Kitikmeot Slave Study Society. March 1999.
- LKDFN, Łutsÿl K'e Dene Elders, Ellis, S., Parlee, B., Catholique, B., Catholique, H., Michel, M. & Catholique, S. 2001. Traditional Knowledge in the Nâ Yaghe Kué Region: An Assessment of the Snap Lake Project. Final Assessment Report. Submitted to De Beers Canada Mining Inc.
- LKDFN, Parlee, B., Basil, M. and Casaway, N. 2001. Traditional Knowledge in the Kache Tué Study Region. Submitted to the West Kitikmeot / Slave study Society by Łutsÿl K'e Dene First Nations, NWT.
- Łutsel K'e Dene Elders & Land-Users, Ellis, S., Marlowe, E., Catholique, M., Enzoe, G., Enzoe, D., Desjarlais, S., Basil, H., Enzoe, R., Isadore, J., Casaway, N., Enzoe, T., Catholique, S. & Lockhart, J. 2005. Ni hat'ni Watching the Land: Results of 2003–2005 Monitoring Activities in the Traditional Territory of the Łutselk'e Denesoline. Final Report Complete. Submitted to West Kitikmeot Slave Study Society.
- Łutsel K'e Dene Elders & Land-Users, Ellis, S., Marlowe, E., Catholique, M., Enzoe, G., Enzoe, D., Desjarlais, S., Basil, H., Enzoe, R., Isadore, J., Casaway, N., Enzoe, T., Catholique, S. & Lockhart, J. 2003. Ni hat'ni Watching the Land: Results and Implications of 2002–2003 Monitoring Activities in the Traditional Territory of the Łutselk'e Denesoline. Final Report. Submitted to the West Kitikmeot Slave Study Society and the Walter and Duncan Gordon Foundation. October 2003.
- Łutsel K'e Dene Elders, Land-Users, Ellis, S., Basil, M., Catholique, B., Casaway, N., Desjarlais, S. & Catholique, S. 2002. Denesôåine Land-Use in the Eedacho Kué and Desnedhé Che Region Report #1: Traditional Practice The Land of Legend Final Report. Submitted to De Beers Canada Exploration and BHP Billiton Inc.
- Łutsel K'e Dene Elders, land-users, Ellis, S., Marlowe, E., Catholique, M., Enzoe, G., Enzoe, D., Desjarlais, S., Basil, H., Enzoe, R., Isadore, J., Casaway, N., Enzoe, T., Catholique, S. &



- Lockhart, J. 2005. Ni hat'ni Watching the Land: Results and Implications of 2003-2005 Monitoring Activities in the Traditional Territory of the Łutsÿl K'e Denesoline. Final Report Complete. Submitted to the West Kitikmeot / Slave Study Society.
- Lyon, B. & Montgomerie, R. 1995. Snow Bunting (*Plectrophenax nivalis*). In A. Poole (Ed.) The Birds of North America Online. Ithaca, NY: Cornell Lab of Ornithology. Retrieved from http://bna.birds.cornell.edu/bna/species/198
- MacArthur R.A. 1978. Winter Movements and Home Range of the Muskrat. Canadian Field-Naturalist, 92, 345-349.
- MacArthur, R. & Aleksuik, M. 1979. Seasonal Micro-environments of the Muskrat (*Ondatra zibethicus*) in a Northern Marsh. Journal of Mammalogy, 60(1), 146-154.
- MacDonald, C. & Gunn, A. 2004. Analysis of the Ash Weight and Elemental Composition in Caribou Faecal Pellets Collected at Colomac and Other Sites in the NWT. Department of Resources, Wildlife and Economic Development, GNWT. Manuscript No 159.
- MacFarlane, K.E., S.P. Goff, and D. Irwin. 2007. 2007 Northwest Territories Mineral Exploration Overview, p. 16. Northwest Territories Geoscience Office.
- Mackenzie Valley Environmental Impact Review Board (MVEIRB), 2005. Referral to Environmental Assessment: Dezé Energy Corporation, MV2007I0033, MV2007L4-0029, Taltson Hydroelectric Expansion Project. Preliminary Screening Report Form and Reasons for Decision. 13 pp.
- Macwhirter, R. B. & Bildstein, K. L. 1996. Northern Harrier (*Circus cyaneus*). In A Poole (Ed.) The Birds of North America Online. Ithaca, NY: Cornell Lab of Ornithology.
- Magoun, A. J., and J. P. Copeland. 1998. Characteristics of Wolverine Reproductive Den Sites. Journal of Wildlife Management 62(4):1313-1321.
- Magoun, A., Dawson, N., Ray, J., and Bowman, J. 2005. Forest Management Considerations for Wolverine Populations in Areas of Timber Harvest in Ontario: Preliminary Recommendations. http://www.wolverinefoundation.org/research/
  ONWolverine\_Habitat\_Considerations\_ActionPlan\_Jan13\_05\_final.pdf; accessed 5
  December 2008.
- Mahoney, S.P., and J.A. Schaefer. 2002. Hydroelectric Development and the Disruption of Migration in Caribou. Biological Conservation 107:147-153.
- Markley, M. H. & Bassett, C. F. 1942. Habits of Captive Marten. American Midland Naturalist, 28(3), 604-616.
- Marks, J. S., D. L. Evans and D. W. Holt. 1994. Long-eared Owl (*Asio otus*), The Birds of North America Online (A. Poole, Ed.). Ithaca: Cornell Lab of Ornithology; Retrieved from the Birds of North America Online: http://bna.birds.cornell.edu/bna/species/133
- Marles, R., Clavelle, C., Monteleone, L., Tays, N., & Burns, D. 2000. Aboriginal Plant Use in Canada's Northwest Boreal Forest. Vancouver, B.C.: University of British Columbia Press.



- Mason, J. Alden., 1946. Notes on the Indians of the Great Slave Lake. Yale University Publications in Anthropology 34, New Haven, Conn., 1946.
- Matthews, S.B. 1989. Norman Wells Pipeline Project raptor monitoring program, 1980 to 1988. File Report Number 82. Environment and Natural Resources, Government of the Northwest Territories.
- McCarthy, J. 2001. Gap Dynamics of Forest Trees: a Review with Particular Attention to Boreal Forests. Environmental Reviews 9: 1–59.
- McCarthy, J.W. & Weetman, G. 2006. Age and Size Structure of Gap-dynamic, Old-growth Boreal Forest Stands in Newfoundland. Silva Fennica 40(2): 209–230.
- McGarigal, K. & McComb, W. C. 1995. Relationships between landscape structure and breeding birds in the Oregon Coast Range. Ecological Monographs, 65, 235-260.
- McLoughlin, P.D., and F. Messier. 2001. The Demography of Barren-ground Grizzly Bears in Nunavut and the Northwest Territories. Prepared by the University of Saskatchewan for the Government of the Northwest Territories.
- McLoughlin, P.D., F. Messier, R.L. Case, R.J. Gau, R. Mulders, and D. Cluff. 1999. The Spatial Organization and Habitat Selection Patterns of Barren-ground Grizzly Bears (*Ursus arctos*) in the Northwest Territories and Nunavut: Final Report to the West Kitikmeot/Slave Study Society.
- McLoughlin, P.D., M.K. Taylor, H.D. Cluff, R.J. Gau, R. Mulders, R.L. Case, and F. Messier. 2003. Population Viability of Barren-ground Grizzly Bears in Nunavut and the Northwest Territories. Arctic 56(2):185-190.
- McLoughlin, P.D., R.L. Case, R.J. Gau, H.D. Cluff, R. Mulders, and F. Messier. 2002. Hierarchical Habitat Selection by Barren-ground Grizzly Bears in the Central Canadian Arctic. Oecologica 132:102-108.
- Mech, L.D. & Rogers, L. L. 1977. Status, Distribution and Movements of Marten in Northeastern Minnesota. Research Paper NC-143. St. Paul, MN: U.S. Dept. of Agriculture, Forest Service, North Central Forest Experiment Station.
- Messier, F., J. Huot, D. L. Hanaff, & S. Luttich. 1988. Demography of the George River Caribou Herd: Evidence of Population Regulation by Forage Exploitation and Range Expansion. Arctic 41:279-287.
- Metcalfe, N. B. 1984. The Effect of Habitat on the Vigilance of Shorebirds: Is Visibility Important? Animal Behaviour, 32, 981–985.
- Miller, F. L. 1992. Hinterland Who's Who Caribou. Accessed from http://www.hww.ca/hww2.asp?id=85 July 31 2008.
- Miller, F.L. and A. Gunn. 1978. Caribou and Muskox Response to Helicopter Harassment, Prince of Wales Island, 1976 to 1977. Canadian Wildlife Serice, Environment Canada.



- Miramar (Mirimar Hope Bay Ltd). 2007. Doris North Gold Mine Project, Wildlife Monitoring and Mitigation Program. 2007 Annual Report. Prepared by Golder Associates Ltd. for Miramar Hope Bay Ltd., June 2007.
- Morton, K., and B. Wynes. 1997. Northwest Region Standing Committee for Caribou (NWRSCC) Project Update 1997/98. Manning Diversified Forest Products Research Trust Fund MDFP 21/95.
- Mulders, R. 2000. Wolverine Ecology, Distribution and Productivity in the Slave Geological Province. Final Report. Submitted to the West Kitikmeot/Slave Study Society.
- Mulders, R., J. Boulanger, and D. Paetkau. 2007. Estimation of Population Size for Wolverines (i at Daring Lake, Northwest Territories, using DNA-based mark-recapture methods. Wildlife Biology 13:38-51.
- Muller-Schwarze, D. & Sun, L. 2003. The Beaver: Natural History of a Wetlands Engineer. Ithaca, New York: Cornell University Press.
- Murdy, H. W. 1966. When the Prairies Go Dry. Naturalist, 17, 8-13.
- Mackenzie Valley Land Use Regulations [MVLUR], Government of Canada 2008b).
- MacNeish, R. S. 1951. An Archaeological Reconnaissance in the Northwest Territories. Annual Report for 1949-50. National Museum of Canada Bulletin, 123, 24-41.
- Morrison, D. 1982. Report on an Archaeological Survey of the Middle Lockhart River System, N.W.T. Yellowknife: Report on file with the Prince of Wales Northern Heritage Centre.
- MVEIRB. 2003. Minutes of the MacKenzie Valley Environmental Impact Review Board. Yellowknife, NWT: MVEIRB.
- MVEIRB (Mackenzie Valley Environmental Effect Review Board). 2008a. Terms of Reference for the Taltson Hydroelectric Expansion Project Developer's Assessment Report. NWT.
- MVLWB (Mackenzie Valley Land and Water Board), 2008. Website, http://www.mvlwb.ca/mv/pages/maps.aspx. Accessed January 2009.
- National Geographic Society. 1983. Field Guide to the Birds of North America. Washington, DC: National Geographic Society.
- National Water Development Agency International Experiences in Inter-basin Water Transfer (IBWT) Americas. Accessed from http://209.85.173.104/search?q=cache:
- WoIpcWL\_pm8J:nwda.gov.in/writereaddata/sublinkimages/9.pdf+%22Tazin+Lake%22&hl=en&ct=clnk&cd=145&gl=ca, on October 14, 2008. Accessed from the WWW from http://www.canoe.ca/che-mun/99list2.html on October 12, 2008
- Naugler, C. T. 1993. American Tree Sparrow (*Spizella arborea*). In A Poole (Ed.) The Birds of North America Online. Ithaca: Cornell Lab of Ornithology; Retrieved from <a href="http://bna.birds.cornell.edu/bna/species/037">http://bna.birds.cornell.edu/bna/species/037</a>



- Nelleman, C. I. Vistnes, P. Jordhoy, & O. Strand. 2001. Winter Distribution of Wild Reindeer in Relation to Power Lines, Roads and Resorts. Biological Conservation 101: 351-360.
- Nellemann, C., Vistnes, I., Jordhøy, P., Strand, O. & Newton, A. 2003. Progressive Impact of Piecemeal Infrastructure Development on Wild Reindeer. Biological Conservation, 113, 307-317.
- Nellis, C. H., Wetmore, S. P. & Keith, L. B. 1972. Lynx-prey Interactions in Central Alberta. Journal of Wildlife Management, 36(1), 320-329.
- Newton, I. 1979. Population Ecology of Raptors. Vermillion, SD: Buteo Books.
- Nishi J.S., Croft, B., Williams, J., Boulanger, J. & Johnson, D. 2008. An Estimate of Breeding Females in the Bathurst Herd of Barren-ground Caribou, June 2006. Northwest Territories Department of Resources, Wildlife and Economic Development. File Report No. 137. 117 pp.
- Nitsche, K. A. 2001. Behaviour of Beavers (*Castor fiber albicus* Matschie, 1907) during the Flood Periods. In A. Czech, G. Schwab. Krakow (Eds.), Proceedings of the Second European Beaver Symposium, Bialowieza, Poland, September 2000. Poland: Heritage Society.
- Noble, W. 1967. Archaeological Sites in the Northwest Territories. Yellowknife: Ms. On file with the Prince of Wales Northern Heritage Centre.
- Noble, W. 1969. Archaeological Sites in the Northwest Territories. Yellowknife: Ms. On file with the Prince of Wales Northern Heritage Centre.
- Noble, W. 1971. Archaeological Surveys and Sequences in Central District of Mackenzie, N.W.T. Arctic Archaeology, 8(1), 102-135.
- Norment, C. J. & Shackleton, S. A. 2008. Harris's Sparrow (*Zonotrichia querula*). In A. Poole (Ed.) The Birds of North America Online. Ithaca: Cornell Lab of Ornithology; Retrieved from http://bna.birds.cornell.edu/bna/species/064
- Northcott, P. L. 1985. Movement and Distribution of Caribou in Relation to the Upper Salmon Hydroelectric Development, Newfoundland. In Second North American Caribou Workshop, Val Morin, Quebec. Edited by T. C. Meredith and A. M. Martell. Centre for Northern Studies and Research, McGill University, Montreal, Quebec, pp. 69-84.
- Northwest Territories Water Board, 1982. Public Hearing Northern Canada Power Commission: Application for Water Licence Renewal by Northern Canada Power Commission for Facilities on the Taltson River. October 19, 1981.
- Nuna Logistics, 2008. Website: http://www.nunalogistics.com/projects/winter\_road
- Olsen, P. D. & Olsen, J. 1989. Breeding of Peregrine Falcons, Falco peregrinus. III. Weather, Nest Quality and Breeding Success. Emu, 89, 6-14.
- Olson P.D. and J. Olson. 2003. Whooping Crane Potential Habitat Mapping Project. Report Prepared by Olson and Olson Planning & Design Consultants Inc. for Parks Canada and Canadian Wildlife Service. Ottawa, Ontario.



- Ontiveros, D., Pleguezuelos, J. M. & Caro, J. 2005. Prey density, prey delectability and food habits: the case of Bonelli's eagle and the conservation measures. Biological Conservation, 123(1), 19-25.
- Osko, T. J., Hiltz, M. N., Hudson, R. J. & Wasel S. M. 2004. Moose Habitat Preferences in Response to Changing Availability. Journal of Wildlife Management, 68(3), 576-584.
- Parker, H., Rosell, F. & Mysterud, A. 2006. Harvesting of Males Delays Female Breeding in a Socially Monogamous Mammal: The Beaver. Biology Letters, 3, 106-108.
- Parlee, B. 1998. Community-based Monitoring: A Model for Northern Communities. Master of Environmental Science Thesis, University of Waterloo, Waterloo, Ontario, Canada.
- Parlee, B., & Marlowe, E. 1999. Final Report: Traditional Knowledge on Community Health: Community-based Monitoring. N.p.: The West Kitikmeot Slave Study Society by the Łutsel K'e Dene First Nation.
- Parlee, B. & Marlowe, E. 2001. Final Report Community Based Monitoring November 2001. Accessed July 11, 2007 from http://www.wkss.nt.ca/HTML/08 ProjectsReports/PDF/CBMFinal.pdf
- Parlee, B., Manseau, M. & Łutsÿl K'e Dene First Nation. 2005. Understanding and Communicating About Ecological Change: Denesoline Indicators of Ecosystem Health. In F. Berkes et al. (Eds.), Breaking Ice: Integrated Ocean Management in the Canadian North. Calgary, AB: University of Calgary Press.
- Parlee, B., O'Neil, J., & Łutsel K'e Dene First Nation. 2007. The Dene Way of Life: Perspectives on Health from Canada's North. J Can Stud, 41(3), 112-133.
- Pike, W. 1892. The Barren Ground of Northern Canada. London: Macmillan.
- Penner & Associates. 1998. Wildlife Baseline Report, Diavik Diamonds Project, Lac de Gras, NT. Prepared for Diavik Diamond Mine Inc. by Penner & Associates Ltd.
- Petersen, S. 1997. Status of the Wolverine (*Gulo gulo*) in Alberta. Alberta Environmental Protection, Wildlife Management Division, Wildlife Status Report No. 2, Edmonton, AB. 17 pp.
- Petitot, Émile, 2005. Travels Around Great Slave and Great Bear Lakes 1862-1882 Toronto: The Champlain Society, 2005 (a translation, with notes, by Paul Laverdure, Jacqueline Moir and John S. Moir of Petitot's Autour Du Grand Lac Des Esclaves Paris: Nouvelle Librairie Paresienne, 1891 and Exploration De La Région Du Grand Lac Des Ours Paris: Téqui, 1893).
- Pierce, D. J. & Peek, J. M. 1984. Moose Habitat Use and Selection Patterns in North-central Idaho. Journal of Wildlife Management, 48, 1335-1343.
- Poole, K. G. 1994. Characteristics of an Unharvested Lynx Population during a Snowshoe Hare Decline. Journal of Wildlife Management, 58(4), 608-618.



- Poole, K. G. 1995. Spatial Organization of a Lynx Population. Canadian Journal of Zoology, 73, 632-641.
- Poole, K. & Stuart-Smith, A. K. 2003. Winter Habitat Selection by Moose in the East Kootenay, BC: Final report. Nelson, British Columbia: Prepared for Tembec Industries Inc. by Aurora Wildlife Research.
- Poole, K. G. & Bromley, R. G. 1988. Inter-relationships within a Raptor Guild in the Central Canadian Arctic. Canadian Journal of Zoology, 66, 2275-2282.
- Poole, K. G. & Graf, R. P. 1996. Winter Diet of Marten during a Snowshoe Hare Decline. Canadian Journal of Zoology, 74, 456-466.
- Poole, K. G., Porter, A. D., de Vries, A., Maundrell, C., Grindal, S. D. & St. Clair, C. C. 2004. Suitability of a Young Deciduous-dominated Forest for American Marten and the Effects of Forest Removal. Canadian Journal of Zoology, 82, 423–435.
- Poole, K. G., Wakelyn, L.A. & Nicklen, P. N. 1995. Habitat Selection by Lynx in the Northwest Territories. Canadian Journal of Zoology, 74, 845-850.
- Porter, A. D., St. Clair, C.C. & de Vires, A. 2005. Fine-scale Selection by Marten during Winter in a Young Deciduous Forest. Canadian Journal of Forest Research, 35, 901-909.
- Post, E. & Klein, D. R. 1999. Caribou Calf Production and Seasonal Range Quality during a Population Decline. Journal of Wildlife Management, 63, 335-345.
- Pruitt, W. O. J. 1960. Behaviour of the Barren-ground Caribou. Biological Papers 3, 43. Fairbanks, AK: University of Alaska
- Reimers, E. 1983. Reproduction in Wild Reindeer in Norway. Canadian Journal of Zoology, 61, 211-217.
- Reimers, E., Dahle, B., Eftestøl, S., Colman, J., and Gaare, E. 2007. Effects of a Power Line on Migration and Range Use of Wild Reindeer. Biological Conservation 134:484-494.
- Reimers, E., Flydal, K, and Stenseth, R. 2000. High Voltage Transmission Lines and Their Effect on Reindeer: A Research Programme in Progress. Polar Research 19(1):75-82.
- Renecker, L. A. 1987. Bioenergetics and Behaviour of Moose (*Alces alces*) in the Aspendominated Boreal Forest. Ph.D. Thesis. Edmonton, Alberta: University of Alberta.
- Rescan (Rescan Environmental Services Ltd.) 2000. Water Effects Monitoring Program Aerial Beaver Survey. Prepared by Rescan Environmental Services for the Northwest Territories Power Corporation.
- Rescan. 2001. Water Effects Monitoring Program Aerial Muskrat Survey. Prepared by Rescan Environmental Services Ltd. for the Northwest Territories Power Corporation.
- Rescan. 2004. Taltson Hydro Expansion Project 2003 Baseline Report. Prepared by Rescan Environmental Services Ltd. for the Northwest Territories Power Corporation.



- Rescan. 2008. 2008 Taltson Basin Wildlife Baseline Report. September 2008. Prepared for Deze Energy Corporation.
- Resources, Wildlife and Economic Development (RWED). 2002. 2002 Visitor Exit Survey. Report on the General Touring Segment of Visitors to the Northwest Territories. Investment and Economic Analysis.
- Reynolds, P. E. 1998. Seasonal Distribution, Activity and Habitat Use of Muskoxen in Northeastern Alaska. In Ecology of a Re-established Population of Muskoxen in Northeastern Alaska. Ph.D. Thesis. Fairbanks, AK: University of Alaska.
- Robus, M. A. 1981. Muskox Habitat and Use Patterns in Northeastern Alaska. M.Sc. Thesis. Fairbanks, AK: University of Alaska.
- Ruggiero, L. F., Pearson, Missoulaz, E. & Henry, S. E. 1998. Characteristics of American Marten Den Sites in Wyoming. Journal of Wildlife Management, 62(2), 663-673.
- Russell, D. E., Martell, A. M. & Nixon, W. A. C. 1993. Range Ecology of the Porcupine Caribou Herd. Rangifer, Special Issue 8, 1-167.
- SARA (Species at Risk Act). 2008. Species At Risk Public Registry website, http://www.sararegistry.gc.ca/default\_e.cfm. Accessed on August 7, 2008.
- Sargerant, A. B. & Raveling, D. G. 1992. Mortality during the Breeding Season. In B. Batt et al. (Eds.), Ecology and Management of Breeding Waterfowl. Minneapolis, MN: University of Minnesota Press
- Sask Power. About Us: Wellington Power Station. Accessed from http://canaveral.scs.sk.ca/vol/
- HTT/Renewable/RRWater/Athabasca.htm on October 12, 2008
- Saunders, J. K. Jr. 1963. Food Habits of the Lynx in Newfoundland. Journal of Wildlife Management, 27(3), 384-90.
- Savoie, Donat (ed.), 2001. Published in the Proceedings of the Royal Geographical Society and reproduced in Land Occupancy by the Amerindians of the Canadian Northwest in the 19th Century as reported by Émile Petitot Canada: Indian and Northern Affairs (CCI Press), 2001.
- Schneider, R. R. 2002. Alternative Futures: Alberta's Boreal Forest at the Crossroads. The Federation of Alberta Naturalists. Edmonton, AB.
- Schrader, B. and P. Hennon. 2005. Assessment of Invasive Species in Alaska and its National Forests. Anchorage, AK: USDA Forest Service, Regional Office.
- Seburn, C.C.N. and D.L. Seburn. 1998. COSEWIC Status Report on the Northern Leopard Frog Rana pipiens (Southern Mountain and Prairie Populations) in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa, ON.
- Seburn, C.N.L., D.C. Seburn and C.A. Paszkowski. 1997. Northern Leopard Frog (*Rana pipiens*) Dispersal in Relation to Habitat. In: Amphibians in Decline: Canadian Studies of a Global



- Problem. 1: 64-72. Saint Louis, Missouri: Society for the Study of Amphibians and Reptiles.
- Seip, D. R. 1992. Factors Limiting Woodland Caribou Populations and their Interrelationships with Wolves and Moose in Southeastern British Columbia. Can. J. Zool. 20:1494-1503.
- Seip, D. R. and D.B. Cichowski. 1996. Population Ecology of Caribou in British Columbia. Rangifer Special Issue No. 9:73-80.
- Seton, Ernest Thompson., 1911. The Arctic Prairies: A Canoe-Journey of 2000 Miles in Search of the Caribou. New York: International University Press, 1911, p. 144.
- Shideler, R. T., M. H. Robus, J. F. Winters, and M. Kuwada. 1986. Impacts of Human Developments and Land Use on Caribou: a Literature Review. Volume 1: a Worldwide Perspective. Alaska Department of Fish and Game Technical Report 86-2. Juneau, Alaska. 219pp.
- Singer, F. J., and J. B. Beattie. 1986. The Controlled Traffic System and Associated Wildlife Responses in Denali National Park. Arctic 39(3):195-203.
- Skogland, T. 1984. The Effects of Food and Maternal Conditions on Fetal Growth and Size in Wild Reindeer. Rangifer, 4, 39-46.
- Skogland, T. 1990. Density Dependence in a Fluctuating Wild Reindeer Herd: Maternal vs. Offspring Effects. Oecologia, 84,442-450.
- Skogland, T., and O. Molmen. 1980. Prehistoric and Present Habitat Distribution of Wild Mountain Reindeer at Dovrefjell. In Proceedings of the Second International Reindeer/Caribou Symposium, Roros, Norway. Edited by E. Reimers, E. Gaare, and S. Skjenneberg. Direktoratet for vilt og ferskvannsfisk, Trondheim, pp 130-141.
- Skoog, R. O. 1986. Ecology of the Caribou (*Rangifer tarandus granti*) in Alaska. Ph.D. Thesis. University of California, Berkeley, California.
- Slough, B. G. & Sadleir, R. M. F. S. 1977. A Land Capability Classification System for Beaver (*Castor canadensis* Kuhl). Canadian Journal of Zoology, 55(8), 1324-35.
- Sly, P. G., Little, L., Freeman, R. & McCullum, J. 2001. Updated State of Knowledge Report of the West Kitikmeot and Slave Geological Province - Final Report. Yellowknife, Northwest Territories.
- Smallwood, J. A. & Bird, D. M. 2002. American Kestrel (*Falco sparverius*). In A Poole (Ed.) The Birds of North America Online. Ithaca, NY: Cornell Lab of Ornithology.
- Smith, A. G. 1971. Ecological Factors Affecting Water Bird Production in the Alberta Parklands. U.S. Bureau of Sport Fisheries and Wildlife, Resource Publication 98.
- Smith J.G.E., 1981. Chipewyan in Handbook of North American Indians: Subarctic. Vol. 6. Smithsonian Institute, Washington. 271-284. Obtained from the Community Profile prepared by the UMA Group for use by study area communities in the Diavik Diamond Mines Comprehensive Study, 1998.



- Smith, L., 2008. Inventory Forester, Forest Management Division, Dept. of Environment and Natural Resources, Government of the Northwest Territories. Personal communication via email, January 2008.
- Smith, W., and R. D. Cameron. 1985. Reactions of Large Groups of Caribou to a Pipeline Corridor on the Arctic Coastal Plain of Alaska. Arctic 38:53-57.
- Snowdrift Northwestern Air Lease. 2008. Website: URL located at http://www.nwal.ca/flights/
- Soublière, M. 2007. Caribou Harvest Worth Over \$20 million. Caribou News in Brief, December 2007. Beverly and Qamanirjuaq Caribou Management Board Newsletter.
- Soutiere, E. C. 1979. Effects of Timber Harvesting on Marten in Maine. Journal of Wildlife Management, 43, 850-60.
- St. Louis J., 2006. A Performance and Operations Assessment of the Northwest Territories Outfitted Sport Fishing Industry. Prepared by John St. Louis Consulting. August 2006. Yellowknife, NWT.
- Steenhof, K., Kochert, M. N., Carpenter, L. B. & Lehman, R. N. 1999. Long-term Prairie Falcon Population Changes in Relation to Prey Abundance, Weather, Land Uses, and Habitat Conditions. Condor, 101(1), 28-41.
- Stelfox, J. B. 1993. Hoofed Mammals of Alberta. Edmonton, Alberta: Lone Pine Publishing.
- Stewart, A. 1991. Recognition of Northern Plano in the Context of Settlement in the Central Northwest Territories: Developing a Technological Approach. Can J Archaeol, 15, 179-191.
- Stroudt, J. H. 1971. Ecological Factors Affecting Waterfowl Production in the Saskatchewan Parklands. U.S. Bureau of Sport Fisheries and Wildlife, Resource Publication 99.
- Stuart-Smith, A. K., Bradshaw C. J. A., Boutin, S., Hebert, D. M. & Rippin, A. B. 1997. Woodland Caribou relative to Landscape Patterns in Northeastern Alberta. Journal of Wildlife Management, 61, 622-633.
- Sutherland, M. & Gunn, A. 1996. Bathurst Calving Ground Surveys 1965 1996. Department of Resources, Wildlife and Economic Development, Government of the Northwest Territories, Yellowknife, NT.
- Tahera (Tahera Diamond Corporation). 2007. Jericho Diamond Project 2006 Wildlife Monitoring Program Data Summary. Prepared by Golder Associates Ltd.
- Telfer, E. S. 1970. Winter Habitat Selection by Moose and White-tailed Deer. Journal of Wildlife Management, 34, 553-9.
- Teshmont (Teshmont Consultants LP). 2008. Taltson Transmission Expansion Project,
  Transmission Alternatives Study. Final Report to Deze Energy Corporation. 3 November,
  2008.



- Tews, J., Ferguson, M. A. D. & Fahrig, L. 2006. Modelling Density Dependence and Climatic Disturbances in Caribou: A Case Study from the Bathurst Island Complex, Canadian High Arctic. Journal of Zoology, 272, 209-217.
- Tews, J., M. A D Ferguson, and L. Fahrig. 2007. Potential Net Effects of Climate Change on High Arctic Peary Caribou: Lessons from a Spatially Explicit Simulation Model. Ecological Modelling. 207, no. 2: 85.
- Thiel, R. P. 1985. Relationship between Road Densities and Wolf Habitat Suitability in Wisconsin. American Midland Naturalist 113:404-407. Thomas, D. C. & Hervieux, D. P. (1986). The Late Winter Diets of Barren-ground Caribou in North-Central Canada. Rangifer, Special Issue N01, 1986, 305-310.
- Thomas, D. C. & Edmonds, J. E. 1984. Competition between Caribou and Muskoxen, Melville Island, NWT, Canada. Biological Papers of the University of Alaska Special Report, 4, 93-100.
- Thomson, C. 2000a. Archaeological Assessment of the 1998-1999 Winter Access Route between MacKay Lake and Munn Lake, District of Mackenzie, NWT. Yellowknife: Report prepared by Jacques Whitford Environmental Ltd. submitted to Monopros Limited.
- Thomson, C. 2000b. Archaeological Assessment of the 1998-1999 Winter Access Route between Margaret Lake and Kennady Lake (Gahcho Kué), District of Mackenzie, NWT. Yellowknife: Report prepared by Jacques Whitford Environmental Ltd. submitted to Monopros Limited.
- Thomson, C. 2000c. Heritage Resource Inventory: Mineral Exploration Area around Kennady Lake (Gahcho Kué), district of Mackenzie, NWT. Yellowknife: Report prepared by Jacques Whitford Environmental Ltd.
- Thomson, C. 2001. Heritage Resource Inventory: Assessment and Mitigation at Gahcho Kue and Winter Access Routes between MacKay Lake and Gahcho Kue. Yellowknife: Report prepared by Jacques Whitford Environmental Ltd. submitted to De Beers Canada Exploration Inc.
- Thomson, C. 2003. Interim Report. Continuing Heritage Resource Inventory, NWT Assessment and Mitigation at Gahcho Kue, Phase 3: East Esker. Yellowknife: Report prepared by Jacques Whitford Environmental Ltd. for De Beers Canada Exploration Inc.
- Thompson, D. C., & McCourt, K. H. 1981. Seasonal Diets of the Porcupine Caribou Herd. American Midland Naturalist, 105(1), 70-76.
- Thompson, I. D. & Colgan, P. W. 1987. Numerical Responses of Martens to a Food Shortage in Northcentral Ontario. Journal of Wildlife Management, 51, 824-35.
- Thurber, J. M., R. O. Peterson, T. D. Drummer, and S. A. Thomasma. 1994. Gray Wolf Response to Refuge Boundaries and Roads in Alaska. Wildlife Society Bulletin 22:61-68.
- Timmerman, H. R. & McNicol, J. G. 1988. Moose Habitat Needs. In Forestry and Wildlife Management in the Boreal Forest An Ontario Workshop. Dec. 7-9, 1987., 238-245. Thunder Bay, Ontario: Ontario Ministry of Natural Resources.



- Timoney, K. P. 1998. The Old Growth Forests of Alberta. Treeline Ecological Research. Sherwood Park, AB.
- Timoney, K. 1999. The Habitat of Nesting Whooping Cranes. Biological Conservation 89:189-
- Transport Canada. 2008. Canada Flight Supplement: June 5 to July 31, 2008. Ottawa: NAV Canada.
- Tyler, N. J. C. 1991. Short-term Behavioral Responses by Svaldbard Reindeer to Direct Provocation by a Snowmobile. Biological Conservation, 56, 179-194.
- URSUS and Komex (URSUS Ecosystem Management Ltd. and Komex International Ltd.). 1997. Wildlife field surveys. Calgary, Alberta: Prepared for Mobil Oil Canada, Mobil Oil Canada Lease 36 Baseline Study.
- USFWS. 2008. Waterfowl: Population Status 2008. U.S. Fish and Wildlife Service, U.S. Department of the Interior.
- Usher Peter J., 1971. Fur Trade post of the Northwest Territories 1870-1970, Ottawa: Department of Indian Affairs and Northern Development (Northern Science Research Group).
- Usher. 1989. Towards a Strategy for Supporting the Domestic Economy of the Northwest Territories. Yellowknife: Background Study Prepared for the NWT Legislative Assembly's Special Committee on the Northern Economy.
- van Zwoll, W. 1983. Ghosts of the Selkirks. Washington Wildlife 33(2):26-29.
- Villmo, L. 1975. Plenary Session: Potential Impact of Accelerated Northern Development on Caribou and Reindeer Populations and Ecology the Scandinavian Viewpoint.

  Proceedings of the First International Reindeer/ Caribou Symposium, Fairbanks, Alaska, 1972. Biology Paper University of Alaska, Special Report No. 1.
- Vistnes, I. and Nellemann, C. 2001. Avoidance of Cabins, Roads, and Power Lines by Reindeer During Calving. Journal of Wildlife Management 65(4):915-925.
- Vistnes, I., Nellemann, C., Jordhøy, P., and Strand, O. 2004. Effects of Infrastructure on Migration and Range Use of Wild Reindeer. Journal of Wildlife Management 68(1):101-108.
- Vitt, D. H., Halsey, L. A. & Zoltai, S. C. 1994. The Bog Landforms of Continental Canada in Relation to Climate and Permafrost Patterns. Arctic and Alpine Research 26, 1-13.
- Wanapitei (Wanapitei Canadian and Northern Outdoor Expeditions). 2008. Website www.wanapiteicanoe.com, accessed December 2008.
- Wapple, R.D. 2000. Update COSEWIC Status Report on the Whooping Crane Grus americana in Canada, in COSEWIC Assessment and Update Status Report on the Whooping Crane Grus americana in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. 1-28 pp.



- Weaver, J. L., P. C. Paquet, and L. F. Ruggiero. 1996. Resilience and Conservation of Large Carnivores in the Rocky Mountains. Conserv. Biol. 10: 964-976.
- Weir, R. D. 2004. Accounts and Measures for Managing Identified Wildlife Accounts: Northern Forest Region. Version 2004. Ministry of Water, Land and Air Protection, Government of British Columbia.
- Weladji, R. D., & Holand, O. 2003. Global Climate Change and Reindeer: Effects of winter Weather on the Autumn Weight and Growth of Calves. Oecologia, 136, 317-323.
- Wheelwright, N. T. & Rising. J. D. 2008. Savannah Sparrow (*Passerculus sandwichensis*). In A. Poole (Ed.) The Birds of North America Online. Ithaca, NY: Cornell Lab of Ornithology; Retrieved from http://bna.birds.cornell.edu/bna/species/045
- Whittingham, M. J. & Evans, K. L. 2004. The Effects of Habitat Structure on Predation Risk of Birds in Agricultural Landscapes. Ibis, 146(2), 210–220.
- Wiggins, D. A., Holt, D. W. & Leasure, S. M. 2006. Short-eared Owl (*Asio flammeus*). In A. Poole (Ed.) The Birds of North America Online. Ithaca, NY: Cornell Lab of Ornithology; Retrieved fromhttp://bna.birds.cornell.edu/bna/species/062doi:10.2173/bna.62.
- Wightman, C. & Fuller, M. R. 2005. Spacing and Physical Habitat Selection Patterns by Peregrine Falcons in Central West Greenland, Wilson Bulletin, 117(3), 226-236.
- Wightman, C. & Fuller, M. R. 2006. Influence of Habitat Heterogeneity on Distribution, Occupancy Patterns, and Productivity of Breeding Peregrine Falcons in Central West Greenland. The Condor, 108, 270-282.
- Williams, T. M. 1990. Summer Diet and Behaviour of Wolves Denning on Barren ground Caribou Range in the Northwest Territories, Canada. M.Sc. Thesis. University of Alberta, Edmonton, Alberta.
- Williams, T.M. and A. Gunn. 1982. Descriptions of Water Crossings and their use by Migratory Barren-ground Caribou in the Districts of Keewatin and Mackenzie, N.W.T. NWT. Wildlife Service, Yellowknife, NWT. File Rep. No. 27. 209pp.
- Wilson, G.M, R.A. Van Den Bussche, P.K. Kennedy, A. Gunn, and K. Poole. 2000. Genetic Variability of Wolverines (*Gulo gulo*) from the Northwest Territories, Canada: Conservation Implications. Journal of Mammology 81(1):186-196.
- Wilz, K. J. & Giampa, V. 1978. Habitat Use by Yellow-Rumped Warblers at the Northern Extremities of their Winter Range. Wilson bulletin, 90(4), 566-574.
- WLEC. 2002. Denesoline Fishing Knowledge of the East Arm of Tu Nedhé (Great Slave Lake): Final Report on Thirty Interviews. Hay River, NWT: Report submitted to Department of Fisheries and Oceans.
- Wooley, D. R. 1974. Beaver (*Castor canadensis*) Studies in the MacKenzie Valley, 1972. In R.A. Rutan and D.R. Wooley (eds.), Studies of Furbearers Associated with Proposed Pipeline Routes in the Yukon and Northwest Territories. Arctic Gas Biological Report Series, Vol. 9.. Renewable Resources Consulting Services Ltd.



- Working Group on General Status of NWT Species. 2006. NWT Species 2006 2010 General Status Ranks of Wild Species in the Northwest Territories. Department of Environment and Natural Resources, Government of the Northwest Territories, Yellowknife, NWT.
- Wright, J. 1981. Prehistory of the Canadian Shield. Unpublished manuscript, Washington.
- Yewchuk. 1974. NWT Water Board Public Hearing Northern Canada Power Commission Twin Gorges & Nonacho Lake. Transcript of Proceedings held in Fort Resolution, NWT, 1974.
- Ziemann J., 2007. Tibbitt Lake to Contwoyto Winter Road Monitoring Station Report. ENR, Government of the Northwest Territories. Manuscript No. 173.
- Ziemann, J. 2007. Tibbitt Lake to Contwoyto Winter Road Monitoring Station Report. Available at: www.nwtwildlife.com/Publications/ManuscriptReports/pdf/173.pdf. Accessed May 2008

### SECTION 9.6. HUMAN ENVIRONMENT

- AAIR (Aboriginal Affairs and Intergovernmental Relations). (No date). Akaitcho Dene First Nations. Retrieved November 19, 2008, from http://www.daair.gov.nt.ca/\_live/pages/wpPages/Akaitcho.aspx
- Air Tindi. 2008. Flight Schedules. Retrieved November 19, 2008, from http://www.airtindi.com/flightschedule.pdf
- Back, G., Sir, & Richardson, J., Sir. 1836. Narrative of the Arctic land expedition to the mouth of the Great Fish River, and along the shores of the Arctic Ocean, in the years 1833, 1834, and 1835. Paris; Calignani.
- Beckel, D. 1975. IBP Ecological Sites in Subarctic Canada: Areas recommended as Ecological Sites in Region 10, Yukon and Northwest Territories Boreal Forest to the Treeline. Canadian Committee for the International Biological Program. University of Lethbridge, Production Services, Lethbridge, Alberta.
- Bell, M. 2003. Working with biophysical and socio-economic data: A preliminary step toward an integrated approach to cumulative effects assessment in the Slave geological province. Yellowknife, NWT: Report on a workshop organized by Canadian Arctic Resources Committee, March 12-13, 2003.
- Bussey, J. 1994. Final report on archaeological investigations for the BHP NWT Diamonds Project. Vancouver: Report prepared by Points West Heritage Consulting Ltd. for Rescan Environmental Services Ltd.
- Bussey, J. 1995. Archaeological investigations for BHP Diamonds Inc. Vancouver: Report prepared by Points West Heritage Consulting Ltd. for Rescan Environmental Services Ltd.
- Bussey, J. 1997. Archaeological investigations for BHP Diamonds Inc. Vancouver: Report prepared by Points West Heritage Consulting Ltd. for Rescan Environmental Services Ltd.



- Bussey, J. 1998. Archaeological investigations for BHP Diamonds Inc., EKATI diamond mine, Northwest Territories, 1997. Vancouver: Report prepared by Points West Heritage Consulting Ltd. for Rescan Environmental Services Ltd.
- Bussey, J. 1999a. Archaeological investigations for BHP Diamonds Inc. at the EKATI diamond mine, Northwest Territories, 1998. Vancouver: Report prepared by Points West Heritage Consulting Ltd. for Rescan Environmental Services Ltd.
- Bussey, J. 1999b. Five years of archaeological research for BHP Diamonds Inc. at the EKATI diamond mine, Northwest Territories, 1994-1998. Vancouver: Report prepared by Points West Heritage Consulting Ltd. for Rescan Environmental Services Ltd.
- Bussey, J. 2000a. 1999 archaeological investigations for BHP Diamonds Inc. at the EKATI diamond mine, Northwest Territories. Vancouver: Report prepared by Points West Heritage Consulting Ltd. for Rescan Environmental Services Ltd.
- Bussey, J. 2000b. 1999 Snap Lake archaeological program. Vancouver: Report prepared by Points West Heritage Consulting Ltd. for Winspear Resources Ltd.
- Bussey, J. 2001. 2000 archaeological investigations for BHP Diamonds Inc. at the EKATI diamond mine, Northwest Territories. Vancouver: Report prepared by Points West Heritage Consulting Ltd. for Rescan Environmental Services Ltd.
- Bussey, J. 2002a. Snap Lake diamond project archaeological program. Yellowknife, NWT: Report prepared by Points West Heritage Consulting Ltd. for De Beers Canada Mining Inc.
- Bussey, J. 2002b. Tibbitt to Contwoyto Winter Road archaeological investigations, 2001. Vancouver: Report prepared by Points West Heritage Consulting Ltd. for EBA Engineering Consultants Ltd.
- Bussey, J. 2003a. 2002 archaeological investigations at the EKATI diamond mine. Vancouver: Report prepared by Points West Heritage Consulting Ltd. for Rescan Environmental Services Ltd.
- Bussey, J. 2003b. Archaeological investigations for Seabridge Gold Inc. at the Courageous Lake property. Yellowknife: Report prepared by Points West Heritage Consulting Ltd. for EBA Engineering Consultants Ltd.
- Bussey, J. 2003c. Archaeological monitoring for the Snap Lake diamond project, 2003. Yellowknife: Report prepared by Points West Heritage Consulting Ltd. for De Beers Canada Mining Inc.
- Bussey, J. 2003d. Tibbitt to Contwoyto Winter Road project 2002 archaeological investigations. Vancouver: Report prepared by Points West Heritage Consulting Ltd. for EBA Engineering Consultants Ltd.
- Bussey, J. 2004a. 2003 archaeological investigations at the EKATI diamond mine. Vancouver: Report prepared by Points West Heritage Consulting Ltd. for Rescan Environmental Services Ltd.



- Bussey, J. 2004b. Tibbitt to Contwoyto Winter Road archaeological inspection tour, 2003. Vancouver: Report prepared by Points West Heritage Consulting Ltd. for EBA Engineering Consultants Ltd.
- Camsell, C. (Writer) 1916. An exploration of the Tazin and Taltson Rivers, Northwest Territories, Geological Series. Ottawa: Geological Survey of Canada, Memoir 84.
- CBC (Canadian Broadcasting Corporation). 2007. N.W.T. outfitters turn to courts over caribou dispute. CBCnews.ca, 6 March 2007.
- CBC. 2007. Seven wonders of Canada: More wonders: The seven wonders of the Northwest Territories. Retrieved September, 2008, from <a href="http://www.cbc.ca/sevenwonders/more\_wonders\_northwest\_territories.html">http://www.cbc.ca/sevenwonders/more\_wonders\_northwest\_territories.html</a>
- CBI (Canadian Boreal Initiative). 2006. Canadian Boreal Initiative applauds agreement for a new northern National Park between Łutsel K'e Dene First Nation and Parks Canada. October 13, 2006. Retrieved August 1, 2007, from http://borealcanada.ca/news\_e.cfm?p\_id=23
- Clark, D. W. 1991. Western subarctic prehistory. Hull: Canadian Museum of Civilization.
- Cockburn, R. H. 1985. Warburton Pike (1861-1915). Arctic, 38(2), 152-153.
- DFO (Department of Fisheries and Oceans). 1995. Survey of Recreational Fishing in Canada, 1995. Statistical Services. Retrieved November 19, 2008, from http://www.dfo-mpo.gc.ca/communic/statistics/recreational/canada/1995/index e.htm
- DFO (Department of Fisheries and Oceans). 2000. Survey of Recreational Fishing in Canada. Statistical Services. Retrieved November 18 2008, from http://www.dfo-mpo.gc.ca/communic/statistics/recreational/canada/2000/index e.htm
- DOT (Department of Transport [NWT]). 2007. Northwest Territories Highway Traffic 2006. Retrieved November 19, 2008, from http://www.dot.gov.nt.ca/ live/pages/wpPages/publications.aspx
- ENR (Environment and Natural Resources [NWT]). 2007. Summary of Hunting Regulations: July 1, 2007 to June 30, 2008. Retrieved November 18, 2008, from <a href="http://www.nwtwildlife.com/hunting/default.htm">http://www.nwtwildlife.com/hunting/default.htm</a>
- Fedirchuk McCullough & Associates Ltd. 1999. Diavik diamonds project: Environmental effects report, heritage resources. Yellowknife: Report submitted to Diavik Mines Inc.
- Fedirchuk McCullough & Associates Ltd. 2000. Heritage resource studies: Diavik diamond mines Inc. Lac de Gras potential borrow source. Yellowknife: Report submitted to Diavik Diamond Mines Inc.
- Fedirchuk, G. 1995. Heritage resource impact assessment, Kennecott southwest Diavik property. Calgary: Report submitted to Acres International Ltd.
- Fedirchuk, G. 1996. Heritage resource studies: Mountain Province Mining Inc. Vancouver: Report submitted to Canamera Geological Ltd.



- Fedirchuk, G. 1997. Continuing heritage resources impact assessment. Yellowknife: Report submitted to Diavik Mines Inc.
- GNWT. 2001. NWT Archaeological Site Regulations. JUS-600671, P.C. 2001-1110, SOR/2001-219. Retrieved September, 2008, from http://pwnhc.learnnet.nt.ca/policy/archsite.htm
- Gordon, B. C. 1996. People of sunlight: people of starlight: barrenland archaeology in the Northwest Territories of Canada. Hull: Canadian Museum of Civilization.
- Gordon, B. C. (Writer) 1975. Of men and herds in barrenland prehistory, National museum of man mercury series: Archaeological Survey of Canada.
- Hanbury, D. 1904. Sport and travel in the Northland of Canada. London: Edward Arnold.
- Hanna, D. 2007. Historical resources overview, Talston expansion project, desktop archaeological study. Yellowknife: Report prepared for Northwest Territories Energy Corporation.
- Hearne, S., & Tyrrell, J. B. 1911. A journey from Prince of Wales's fort in Hudson's Bay to the northern ocean in the years 1769, 1770, 1771, and 1772. Toronto: Champlain Society.
- Hearne, S., & Tyrrell, J. B. 1934. Journals of Samuel Hearne and Philip Turnor. Toronto: Champlain Society.
- INAC (Indian and Northern Affairs Canada). 2008. Regulations Currently in Force January 2008. Retrieved November 18, 2008, from http://www.aincinac.gc.ca/pr/leg/reg/rcif\_e.html
- Irving, W. N. 1970. The Arctic Small Tool Tradition. Eighth conference of anthropological and ethnological sciences, Tokyo.
- ITI (Industry, Tourism and Investment [NWT]). 2007. Northwest Territories 2006 Visitor Exit Survey Summary Report. Retrieved October 2007, from <a href="http://www.iti.gov.nt.ca/parks/tourism/miscellaneous/htm">http://www.iti.gov.nt.ca/parks/tourism/miscellaneous/htm</a>
- ITI (Industry, Tourism and Investment [NWT]). 2008a. Tourism and Parks. Retrieved November 18, 2008, from http://www.iti.gov.nt.ca/tourismparks/parks/
- ITI (Industry, Tourism and Investment [NWT]). 2008b. Historic Sites. Retrieved November 18, 2008, from http://www.explorenwt.com/Adventures/historic-sites/index.asp
- Kendrick, A. 2003. Caribou co-management and cross-cultural knowledge sharing. Winnipeg: University of Manitoba.
- LKCSS. 2008. Summary of Lutsel K'e community scoping session, March, 2008. N.p.: Prepared for Dezé Energy Corporation.
- LKDFN Elders, WLEC, Ellis, S., Boucher, E., & Catholique, S. 2001. Nñ hat'nî watching the land: Cumulative effects assessment and management in the Denesoline territory, final report. N.p.: Submitted to the NWT CEAM Steering Committee/ Canadian Arctic Resources Committee, by the Lutsel K'e Dene First Nation.



- MacNeish, R. S. 1951. An archaeological reconnaissance in the Northwest Territories. Annual report for 1949-50. National Museum of Canada Bulletin, 123, 24-41.
- Mondor, C. 2006. Preliminary Area of Interest for a National Park in the East Arm of Great Slave Lake, Northwest Territories. Parks Establishment Branch, National Parks Directorate, Parks Canada.
- Morrison, D. 1982. Report on an archaeological survey of the Middle Lockhart River system, N.W.T. Yellowknife: Report on file with the Prince of Wales Northern Heritage Centre.
- MVEIRB. 2003. Minutes of the MacKenzie Valley environmental impact review board. Yellowknife, NWT: MVEIRB.
- MVLWB (Mackenzie Valley Land and Water Board), 2008. Website, http://www.mvlwb.ca/mv/pages/maps.aspx. Accessed January 2009.
- Noble, W. 1967. Archaeological sites in the Northwest Territories. Yellowknife: Ms. On file with the Prince of Wales Northern Heritage Centre.
- Noble, W. 1969. Archaeological sites in the Northwest Territories. Yellowknife: Ms. On file with the Prince of Wales Northern Heritage Centre.
- Noble, W. 1971. Archaeological Surveys and Sequences in Central District of Mackenzie, N.W.T. Arctic Archaeology, 8(1), 102-135.
- Northwestern Air Lease. 2008. Retrieved November 19, 2008, from http://www.nwal.ca/flights/
- Nuna Logistics. 2008. Retrieved November 19, 2008, from http://www.nunalogistics.com/projects/winter road
- Parks Canada. 1997. National Park System Plan. Ottawa: Heritage Canada. Retrieved September 2008, from http://dsp-psd.pwgsc.gc.ca/Collection/R64-197-1-1997E.pdf
- Parks Canada. 2001. State of Protected Heritage Areas 2001 Report. Available at: http://www.parcscanada.pch.gc.ca/docs/pc/rpts/etat-state-2001/sec5/par2 e.asp.
- Parks Canada. 2007a. Performance Report for the Period Ending March 31, 2007. Parks Canada. Ottawa. Retrieved, from http://www.pc.gc.ca/docs/pc/rpts/rmr-dpr/archives/2006-07/capeng.pdf
- Parks Canada. 2007b. Background to Performance Report 2006-2007. Retrieved January 2008, from http://www.pc.gc.ca/docs/pc/rpts/rmr-dpr/images/back07\_e.pdf
- Parks Canada. 2008. Wood Buffalo National Park of Canada. Retrieved November 19, 2008, from http://www.pc.gc.ca/pn-np/nt/woodbuffalo/index e.asp
- Parlee, B., & Marlowe, E. 1999. Final report: Traditional knowledge on community health: Community-based monitoring. N.p.: The West Kitikmeot Slave Study Society by the Lutsel K'e Dene First Nation.



- Parlee, B., Manseau, M., & Lutsel K'e Dene First Nation. 2005. Using Traditional Knowledge to Adapt to Ecological Change: Denesolaine Monitoring of Caribou Movements. Arctic, 58(1), 26-37.
- Parlee, B., O'Neil, J., & Lutsel K'e Dene First Nation. 2007. The Dene Way of Life: Perspectives on Health from Canada's North. J Can Stud, 41(3), 112-133.
- Pike, W. 1892. The barren ground of Northern Canada. London: Macmillan.
- Rescan. 2004. Taltson hydro expansion project: 2003 baseline report. Yellowknife, NWT: Prepared for the Northwest Territories Power Corporation by Rescan Environmental Services Ltd.
- RWED (Resources, Wildlife and Economic Development). 2002. 2002 Visitor Exit Survey. Report on the General Touring Segment of Visitors to the Northwest Territories. Investment and Economic Analysis.
- St. Louis, J. 2006. A Performance and Operations Assessment of the Northwest Territories Outfitted Sport Fishing Industry. Prepared by John St. Louis Consulting. August 2006. Yellowknife, NWT.
- Stewart, A. 1991. Recognition of Northern Plano in the Context of Settlement in the Central Northwest Territories: Developing a Technological Approach. Can J Archaeol, 15, 179-191.
- Thomson, C. 2000a. Archaeological assessment of the 1998-1999 winter access route between MacKay Lake and Munn Lake, District of Mackenzie, NWT. Yellowknife: Report prepared by Jacques Whitford Environmental Ltd. submitted to Monopros Limited.
- Thomson, C. 2000b. Archaeological assessment of the 1998-1999 winter access route between Margaret Lake and Kennady Lake (Gahcho Kue), district of Mackenzie, NWT. Yellowknife: Report prepared by Jacques Whitford Environmental Ltd. submitted to Monopros Limited.
- Thomson, C. 2000c. Heritage resource inventory: mineral exploration area around Kennady Lake (Gahcho Kué), district of Mackenzie, NWT. Yellowknife: Report prepared by Jacques Whitford Environmental Ltd.
- Thomson, C. 2001. Heritage resource inventory: Assessment and mitigation at Gahcho Kue and winter access routes between MacKay Lake and Gahcho Kue. Yellowknife: Report prepared by Jacques Whitford Environmental Ltd. submitted to De Beers Canada Exploration Inc.
- Thomson, C. 2003. Interim report. Continuing heritage resource inventory, NWT assessment and mitigation at Gahcho Kue, Phase 3: East esker. Yellowknife: Report prepared by Jacques Whitford Environmental Ltd. for De Beers Canada Exploration Inc.
- Transport Canada. 2008. Canada Flight Supplement: June 5 to July 31, 2008. Ottawa: NAV Canada.



- Wayside Parks Regulations, N.W.T. Reg. 026-2003. Yellowknife, NWT. Retrieved November 25, 2008, from http://www.canlii.org/nt/laws/regu/2003r.026/20060310/whole.html
- WLEC. (2002). Denesoline fishing knowledge of the East Arm of Tu Nedhé (Great Slave Lake): Final report on thirty interviews. Hay River, NWT: Report submitted to Department of Fisheries and Oceans.
- Wright, J. 1981. Prehistory of the Canadian Shield. Unpublished manuscript, Washington.
- Ziemann, J. 2007. Tibbitt Lake to Contwoyto Winter Road Monitoring Station Report.

  Government of the Northwest Territories Environment and Natural Resources. Manuscript No. 173.

## Personal Communications

- Alty, R. 2008. GNWT Transportation. Personal Communication via email on 11 February, 2008. Provided: NWT Airports Profile Handbook, January 2007.
- Carriere, S.J. 2008. Wildlife Biologist (Ecosystem Management, Environment and Natural Resources (GNWT). Personal communication via email, 28 January 2008. Provided NWT Resident Hunter Harvest spreadsheet.
- Maher, T. 2008. Northern Transportation Company Limited. Personal Communication via email and telephone on 6 February, 2008.
- Mayne, R. 2008. Arctic Sunwest. Personal Communication via email on 7 February, 2008.
- McLinton, J. 2008. Manager, Public Affairs and Communications. Policy, Legislation and Communications Division, Department of Environment and Natural Resources, GNWT. Personal communication

# **Chapter 10. Assessment Methods and Presentations**

- BIPR. 2008. Bathurst Inlet Port and Road Project website. www.nunalogistics.com/projects/clients/bathurst/index.html
- CEAA 2006. Canadian Environmental Assessment Agency website glossary. www.aceeceaa.gc.ca/012/015/part2\_e.htm#vec Updated March 31, 2006, accessed on June 24, 2008.
- D'Eon, R.G., S.M. Glenn, I. Parfitt, M.-J. Fortin. 2002. Landscape connectivity as a function of scale and organism vagility in a real forested landscape. Conservation Ecology 6(2): 10. [online] URL: http://www.consecol.org/vol6/iss2/art10
- DFO. 2007. Pathways of Effect. www.dfo-mpo.gc.ca/oceans-habitat/habitat/modernizing-moderniser/pathways-sequences/index\_e.asp Last Updated: 2007-04-05. Accessed August 17, 2008.
- Fahrig, L., G. Merriam. 1985. Habitat patch connectivity and population survival. Ecology 66(6): 1762-1768.



- MVEIRB 2004. Mackenzie Valley Environmental Effect Review Board. Environmental Effect Assessment Guidelines. March, 2004.
- MVEIRB. 2007. Terms of Reference for the Gahcho Kue Environmental Impact Statement. Mackenzie Valley Environmental Impact Review Board, Gahcho Kue Panel.
- MVEIRB. 2008. Terms of Reference for the Taltson Hydroelectric Expansion Project Developer's Assessment Report.
- Peregrine Diamonds Ltd. 2008. Lac de Gras WO Property & DO-27 Kimberlite, Northwest Territories. www.pdiam.com/s/NorthAmerica.asp#twim
- Rescan 2004. Draft Taltson Hydro Expansion Project 2003 Baseline Report. Prepared by Rescan Environmental Services Ltd.
- Salmo Consulting Inc. 2006. Developing and Implementing Thresholds in the Northwest Territories A Discussion Paper. Prepared for Environment Canada, Northern Division, by Salmo Consulting Inc.
- Sutherland, G. D, A. S. Harestad, K. Price, and K. P. Lertzman. 2000. Scaling of natal dispersal distances in terrestrial birds and mammals. Conservation Ecology 4: 1-16. [online] www.consecol.org/vol4/iss1/art16
- Tyhee. 2008. Tyhee NWT Corporation Yellowknife Gold Project, project description, submitted to MVLWB July 2008.

## Chapter 12. KLOI: Barren-Ground Caribou

- Adamczewski, J.Z., C.C. Gates, R.J. Hudson, and M.A. Price. 1987. Seasonal Changes in Body Composition of Mature Female Caribou and Calves (*Rangifer tarandus groenlandicus*) on an Arctic Island with Limited Winter Resources. Canadian Journal of Zoology, 65:1149-1157.
- Akçakaya, H.R., M.A. Burgman, O. Kindvall, C. Wood, P. Sjögren-Gulve, J. Hatfield, and M.A. McCarthy (editors). 2004. Species Conservation and Management: Case Studies. Oxford University Press, New York.
- Anderson, R. 2000. Peatland Habitat Use and Selection by Woodland Caribou in Northern Alberta. Masters Abstracts International, 38(04), 930-930.
- Andrén, H. 1994. Effects of Habitat Fragmentation on Birds and Mammals. in Landscape with Different Proportions of Suitable Habitat A Review. Oikos 71(3): 355-366.
- Andrén, H. 1999. Habitat Fragmentation, the Random Sample Hypothesis, and Critical Thresholds. Oikos 84(2): 306-308.
- Arseneault, D. N. Villeneuve, C. Boismenu, Y. LeBlanc and J. Deshaye. 1997. Estimating Lichen Biomass and Caribou Grazing on the Wintering Grounds of Northern Quebec: an Application of Fire History and Landsat Data. Journal of Applied Ecology 1997, 34, 65-78.



- Banfield, A. W. F. 1971. Reaction of Caribou to Various Types of Simulated Pipelines at Prudhoe Bay, Alaska. In Symposium on the Behavior of Ungulates and its Relation to Management. Edited by V. Geist and F. Walther. University of Calgary, Calgary, Alberta, Canada. Paper No. 45.
- BCTC. 2008. Interior to Lower Mainland Transmission Project Environmental Assessment Certificate Application. N.p.: British Columbia Transmission Corporation submitted to the British Columbia Environmental Assessment Office on November 13, 2008.
- Bergerud, A. T. 1983. Prey Switching in a Simple Ecosystem. Sci. Am. 249:130-141.
- Bergerud, A. T., R. D. Jakimchuk, and D. R. Carruthers. 1984. The Buffalo of the North: Caribou (*Rangifer tarandus*) and Human Developments. Arctic 37(1):7-22.
- BHPB. 2004. EKATI Diamond Mine 2003 Wildlife Effects Monitoring Program. Prepared by Golder Associates Ltd. for BHP Billiton Diamonds Inc., March 2004
- BHPB. 2007. Ekati Diamond Mine 2006 Wildlife Effects Monitoring Program. Prepared by Rescan Environmental Services Ltd. for BHP Billiton Diamonds Inc.
- Boulanger, J. and A. Gunn. 2007. Exploring Possible Causes for the Decline of the Bathurst Herd of Barren-Ground Caribou Using Demographic Modeling. Produced for the Department of Environment and Natural Resources, Government of Northwest Territories. 59pp.
- Boulanger, J., K. Poole, B. Fournier, J. Wierzchowski, T. Gaines and A. Gunn. 2004. Assessment of Bathurst Caribou Movements and Distribution in the Slave Geological Province. Department of Resources, Wildlife and Economic Development. Government of the Northwest Territories, Yellowknife, N.W.T. Manuscript Report No. 158.
- Boyce, M.S., L.L. McDonald. 1999. Relating Populations to Habitats Using Resource Selection Functions. Trends in Ecology and Evolution 14(7): 268-272.
- BQCMB (Beverly Quamanirjuaq Caribou Management Board). 2008. Press release: With few caribou seen on Beverly calving ground recently, BQCMB calls for action to protect the herd. Released November 27, 2008. www.arctic-caribou.com/press\_releases/November 08.html. Accessed December 2008.
- Bradshaw, C.J.A. 1995. An Assessment of the Effects of Petroleum Exploration on Woodland Caribou (*Rangifer tarandus caribou*) in Northeastern Alberta. Masters Thesis. Department of Zoology. University of Alberta. Edmonton, AB.
- Cameron, R. D., E. A. Lenart, D. J. Reed, K. R. Whitten, and W. T. Smith. 1995. Abundance and Movements of Caribou in the Oilfield Complex near Prudhoe Bay, Alaska. Rangifer 15(1):3-7.
- Cameron, R.D., W.T. Smith, R.G. White, and B. Griffith. 2005. Central Arctic Caribou and Petroleum Development: Distributional, Nutritional, and Reproductive Implications. Arctic 58(1): 1-9.



- CanImage. 2007. Landsat 7 Orthoimages at the 1:50,000 Scale Standards and Specifications for GeoGratis Edition 1.0. Centre for Topographic Information. Available at: www.ctis.nrcan.gc.ca. Accessed on: May 13, 2008.
- CBC. 2008. Bathurst Inlet Road, Port Project Put on Hold Again. CBC website, Cameron, R.D., W.T. Smith, S.G. Fancy, K.L. Gerhart, and R.G. White. 1993. Calving success of female caribou in relation to body weight. Canadian Journal of Zoology, 71:480-486.
- Chowns, T. and C.C. Gates. 2004. Ecological interactions among caribou, moose, and wolves: literature review. National Council for Air and Stream Improvement, Technical Bulletin No. 893. Research Triangle Park, N.C.
- Cumming, H. G., and B. T. Hyer. 1996. Experimental Log Hauling through a Traditional Caribou Wintering Area. Rangifer Special Issue No. 10:241-258.
- Dau, J.R., and R.D. Cameron. 1986. Effects of a Road System on Caribou Distribution during Calving. Rangifer, Special Issue No. 1:95-101
- DDMI. 2008. 2007 Wildlife Monitoring Report. Prepared by Diavik Diamond Mines Inc., March 2008.
- De Beers. 2008. Snap Lake Mine Analysis of Environmental Effects on Wildlife, 1997 to 2007. Prepared for De Beers Canada Inc. by Golder Associates Ltd., Yellowknife, N.W.T.Debinski, D.M., and R.D. Holt. 2000. A survey and overview of habitat fragmentation experiments. Conservation Biology, 14: 342-355.
- Doucet, G. J., and E. R. Thompson. 2002. Deer Browse Monitoring in a Reconstructed 120 kV Powerline Right-of-way after an Ice Storm. In: proceedings of the Seventh International Symposium on Environmental Concerns in Rights-of-Way Management 9-13 September 2000, Calgary, AB, Canada. Edited by J. W. Goodrich-Mahoney, D.F. Mutric and C. A. Guild. Published by Elservier Science. Pgs. 383-388.
- Dyer, S.J. 1999. Movement and Distribution of Woodland Caribou (*Rangifer tarandus caribou*) in Response to Industrial Development in Northeastern Alberta. Master of Science Thesis. University of Alberta. 106 pp.
- Dyer, S.J., J.P. O'Neil, S.M. Wasel and S. Boutin. 2001. Avoidance of Industrial Development by Woodland Caribou. Journal of Wildlife Management. 65: 531-542.
- Dzus, E. 2001. Status of the Woodland Caribou in Alberta. Alberta Wildlife Status Reports
- EBA (EBA Engineering Consultants Ltd.). 2001. Tibbitt to Contwoyto Winter Road Environmental Setting Report. Prepared by EBA Engineering Consultants for the Tibbitt to Contwoyto Winter Road Joint Venture, Yellowknife, NT, September 2001.
- Eccles, T. R., and J. A. Duncan. 1986. Wildlife Monitoring Studies along the Norman Wells-Zama Oil Pipeline, April 1985 May 1986. Prepared for Interprovincial Pipeline (NW) Ltd. Prep by: LGL Ltd., Environmental Research Associates, Calgary, AB. 48pp. 0 Horejsi, B. L. 1981. Behavioral response in barren-ground caribou to a moving vehicle. Arctic 34(2):180-185.



- Edmonds, E.J. 1988. Population Status, Distribution, and Movements of Woodland Caribou in West Central Alberta. Can. J. Zool. 66:817–826.
- Edmonds, E.J. and M. Bloomfield. 1984. A Study of Woodland Caribou (*Rangifer tarandus caribou*) in West-Central Alberta, 1979-1983. Alberta Energy and Natural Resources Fish and Wildlife Division. 203 pp.
- ENR (Environment and Natural Resources). 2007a. Satellite Collar Caribou Data, courtesy of Adrian D'Hont and Judy Williams. Department of Environment and Natural Resources, Government of Northwest Territories.
- ENR. 2007b. Letter from ENR to Kathleen Graham, Mackenzie Valley Land and Water Board. 20 July 2007 Regardung LUP application MV2007I0033. 20 July 2007.
- ENR. 2007c. Northwest Territories Summary of Hunting Regulations. Available from www.nwtwildlife.com
- ENR. 2008. Department of Environment and Natural Resources, Government of the Northwest Territories website. Available at: www.nwtwildlife.com. Accessed April 9, 2008.
- ERBC. 2007. Directive 038: Noise Control Directive. Revised edition, February 16, 2007. N.p.: Energy Resource Conservation Board.
- Fahrig, L. 1997. Relative Effects of Habitat Loss and Fragmentation on Populations Extinction. Journal of Wildlife Management, 61: 603-610.
- Fahrig, L. 2003. Effects of Habitat Fragmentation on Biodiversity. Annual Review of Ecology, Evolution, and Systematics, 34: 487-515.
- Ferguson, M.A.D., and F. Messier. 2000. Mass Emigration of Arctic Tundra Caribou from a Traditional Winter Range: Population Dynamics and Physical Condition. Journal of Wildlife Management 64:168-178.
- FHWA. 2006. FHWA-HEP-06-015: FHWA Highway Construction Noise Handbook. N.p.: FHWA. Final Report August 2006.
- Fuller, T. K. 1989. Population Dynamics of Wolves in North-central Minnesota. Wildl. Monogr. 105:1-41.
- Fuller, T.K. and L.B. Keith. 1981. Woodland Caribou Population Dynamics in Northeastern Alberta. Journal of Wildlife Management, 45(1): 197-213.
- Fuller, T. K., W. E. Berg, G. L. Radde, M. S. Lenarz, and G. B. Joselyn. 1992. A History and Current Estimate of Wolf Distribution and Numbers in Minnesota. Wildlife Society Bulletin 20:42-55.
- Gasaway, W. C., R. O. Stephenson, J. L. Davis, P. E. K. Shepherd, and O. E. Burris. 1989. Interrelationships of Wolves, Prey, and Man in Interior Alaska. Wildl. Monograph 84:1-50.



- Golder (Golder Associates Ltd.) 2005. Analysis of Environmental Effects from the Diavik Diamond Mine on Wildlife in the Lac de Gras Region. Submitted to Diavik Diamond Mines Inc.
- Golder. 2008. Snare Hydro Transmission Line Caribou Survey, 17 January 2008.
- Gunn A., J. Dragon, S. Papik, D. Panayi, M. Svoboda, M. Sutherland and M. D'Entremont. 1998. Summer Behaviour of Bathurst Caribou at Mine Sites and Response of Caribou to Fencing and Plastic Deflectors. Department of Resources, Wildlife and Economic Development, GNWT. Final Report to the West Kitikmeot/Slave Study.
- Gunn, A., R. Glaholt, F. L. Miller, and K. Jingfors. 1983. Caribou Behaviour, Range Use Patterns and Short Term Responses to Helicopter Landings on the Beverly Calving Ground, NWT, 1982. File Report No. 30. NWT Wildlife Service, Government of the Northwest Territories., Yellowknife, N.W.T.
- Hagemoen, R.I.M. and E. Reimers. 2002. Reindeer Summer Activity Pattern in Relation to Weather and Insect Harassment. Journal of Animal Ecology 71(5):883-892.
- Horejsi, B. L. 1981. Behavioral Response in Barren-ground Caribou to a Moving Vehicle. Arctic 34(2):180-185.
- ISO. 1996. ISO 9613: Acoustics: Attenuation of Sound during Propagation Outdoors. Geneva, Switzerland: International Organization for Standardization.
- Jalkotzy, M. G., P. I. Ross, and M. D. Nasserden. 1997. The Effects of Linear Developments on Wildlife: a Review of Selected Scientific Literature. Prep. For: Canadian Association of Petroleum Producers (CAPP). Prep. By: Arc Wildlife Services Ltd. Calgary, AB. 115pp.
- James, A.R.C. 1999. Effects of Industrial Development on the Predator-Prey Relationship between Wolves and Caribou in Northeastern Alberta. Ph.D. Thesis Submitted to the University of Alberta. Edmonton, AB.
- James, A.R.C. and A.K. Stuart-Smith. 2000. Distribution of Caribou and Wolves in Relation to Linear Corridors. Journal of Wildlife Management 64(1): 154-159.
- Johnson, C.J., M.S. Boyce, R.L. Case, H.D. Cluff, R.J. Gau, A. Gunn, R. Mulders. 2005. Cumulative Effects of Human Developments of Arctic Wildlife. Wildlife Monographs 160:1-36.
- Joint Venture (Tibbitt to Contwoyto Winter Road Joint Venture). 2008. Accessed December 2008 from http://jvtcwinterroad.ca/.
- Kendrick, A., P.O.B. Lyver, and Łutsel K'e Dene First Nation. 2005. Denesoline (Chipewyan) Knowledge of Barren-Ground Caribou (*Rangifer tarandus groenlandicus*) Movements. Arctic 58:175-191.
- Legendre, P. 1993. Spatial Autocorrelation: Trouble or New Paradigm? Ecology 74(6): 1659-1673.



- Mahoney, S.P., and J.A. Schaefer. 2002. Hydroelectric Development and the Disruption of Migration in Caribou. Biological Conservation 107:147-153.
- Manly, B.F.J., L.L. Macdonald, D.L. Thomas, T.L. McDonald and W.P. Erickson. 2002. Resource Selection by Animals. Kluwer Academic Publishers, Netherlands.
- Manly, B.F.J., P. Miller and L.M. Cook. 1972. Analysis of a Selective Predation Experiment. The American Naturalist. 106(952): 719-735.
- McCarthy, M. A., S. J. Andelman, and H. P. Possingham. 2003. Reliability of Relative Predictions in Population Viability Analyses. Conservation Biology 17: 982-989.
- McLaren, M.A. and J.E. Green. 1985. The Reaction of Muskoxen to Snowmobile Harrasement. Arctic. Vol. 36, p. 188-193.
- Mech, D.L., S.H. Fritts, G.L. Radde and W.J. Paul. 1988. Wolf Distribution and Road Density in Minnesota. Wildlife Society Bulletin. 16:85-87
- Messier, F., J. Huot, D. L. Hanaff, & S. Luttich. 1988. Demography of the George River Caribou Herd: Evidence of Population Regulation by Forage Exploitation and Range Expansion. Arctic 41:279-287.
- MGP. 2004. Environment Impact Statement for the Mackenie Gas Pipeline Project, Volume 3, Part A, Section 3. N.p.: Volume 3, Part A, Section 3. Mackenzie Gas Project submitted to the Mackenzie Valley Review Board August, 2004.
- Miller, F.L. and A. Gunn. 1978. Caribou and Muskox Response to Helicopter Harassment, Prince of Wales Island, 1976 to 1977. Canadian Wildlife Serice, Environment Canada.
- Miller, F.L. and A. Gunn. 2003. Status, Population Fluctuations, and Ecological Relationships of Peary Caribou on the Queen Elizabeth Islands: Implication for their Survival. Rangifer 14:213-226.
- Mönkkönen, M. and P. Reunanen. 1999. On Critical Thresholds in Landscape Connectivity: a Management Perspective. Oikos 84(2): 302-305.
- MVEIRB. 2008. Terms of Reference for the Taltson Hydroelectric Expansion Project Developer's Assessment Report.
- MVLWB. 2007. Public Registry website for the Taltson Expansion Project (MV2007L4-0029). Accessed 2 June 2008, from http://www.mvlwb.ca/mv/Registry.aspx
- Nelleman, C. I. Vistnes, P. Jordhoy, and O. Strand. 2001. Winter Distribution of Wild Reindeer in Relation to Power Lines, Roads and Resorts. Biological Conservation 101: 351-360.
- Nellemann, C., Vistnes, I., Jordhøy, P., Strand, O. & Newton, A. 2003. Progressive Impact of Piecemeal Infrastructure Development on Wild Reindeer. Biological Conservation, 113, 307-317.



- Post, E. and D.R. Klein. 1999. Caribou Calf Production and Seasonal Range Quality during a Population Decline. Journal of Wildlife Management, 63:335-345.
- Reimers, E. 1983. Reproduction in Wild Reindeer in Norway. Canadian Journal of Zoology, 61:211-217.
- Rescan. 2004. Draft Taltson Hydro Expansion Project 2003 Baseline Report. Prepared by Rescan Environmental Services Ltd.
- Russell, D. E., A. M. Martell, and W. A. C. Nixon. 1993. Range Ecology of the Porcupine Caribou Herd in Canada. Rangifer Special Issue 8. 168 pp.
- Schneider, R.R., B. Wynes, S. Wasel, E. Dzus and M. Hiltz. 2000. Habitat Use by Caribou in Northern Alberta, Canada. Rangifer. 20(1): 43-50.
- Schtickzelle, N., M. F. Wallis De Vries, and M. Baguette. 2005. Using Surrogate Data in Population Viability Analysis: The Case of the Critically Endangered Cranberry Fritillary Bitterfly. Oikos 109: 89-100.
- Seip, D. R. 1992. Factors Limiting Woodland Caribou Populations and their Interrelationships with Wolves and Moose in Southeastern British Columbia. Can. J. Zool. 20:1494-1503.
- Seip, D. R. and D.B. Cichowski. 1996. Population Ecology of Caribou in British Columbia. Rangifer Special Issue No. 9:73-80.
- Skogland, T. 1984. The Effects of Food and Maternal Conditions on Fetal Growth and Size in Wild Reindeer. Rangifer, 4:39-46.
- Skogland, T. 1990. Density Dependence in a Fluctuating Wild Reindeer Herd: Maternal vs. Offspring Effects. Oecologia, 84:442-450.
- Stuart-Smith, A.K., C.J.A. Bradshaw, S. Boutin, D.M. Hebert, and A.B. Rippin. 1997. Woodland Caribou Relative to Landscape Patterns in Northeastern Alberta. Journal of Wildlife Management, 61:622-633.
- Tahera. 2007. Wildlife Mitigation and Monitoring Plan for the Jericho Diamond Project. Prepared by Golder Associates Ltd for Tahera Diamond Corporation, May 2007.
- Teshmont. 2008. Taltson Transmission Expansion Project. Transmission Alternatives Study. Prepared by Teshmont Consultants LP. for Dezé Energy Corp.
- Tews, J., M. A. D. Ferguson, and L. Fahrig. 2006. Modeling Density Dependence and Climatic Disturbances in Caribou: A Case Study from the Bathurst Island Complex, Canadian High Arctic. Journal of Zoology 272:209-217.
- Thiel, R. P. 1985. Relationship between Road Densities and Wolf Habitat Suitability in Wisconsin. American Midland Naturalist 113:404-407. Thomas, D. C. & Hervieux, D. P. (1986). The Late Winter Diets of Barren-ground Caribou in North-Central Canada. Rangifer, Special Issue N01, 1986, 305-310.



- Thomas, D.C., and Hervieux, D.P. 1986. The Late Winter Diets of Barren-ground Caribou in North-Central Canada. Rangifer, Special Issue N01, 1986:305-310.
- Thurber, J. M., R. O. Peterson, T. D. Drummer, and S. A. Thomasma. 1994. Gray Wolf Response to Refuge Boundaries and Roads in Alaska. Wildlife Society Bulletin 22:61-68.
- Treweek J. 1999. Ecological Impact Assessment. Blackwell Science, Oxford. P.368.
- Trombulak, S., and C. Frissell. 1999. Review of Ecological Effects of Roads on Terrestrial and Aquatic Communities. Conservation Biology 14(1):18-30.
- Tyhee (Tyhee Development Corporation). 2008. Website, www.tyhee.com, accessed November 2008.
- Villmo, L. 1975. Plenary Session: Potential Impact of Accelerated Northern Development on Caribou and Reindeer Populations and Ecology the Scandinavian Viewpoint. Proceedings of the First International Reindeer/ Caribou Symposium, Fairbanks, Alaska, 1972. Biology Paper University of Alaska, Special Report No. 1.
- Vistnes, I. and Nellemann, C. 2001. Avoidance of Cabins, Roads, and Power Lines by Reindeer during Calving. Journal of Wildlife Management 65(4):915-925.
- Walther G-R, E. Post, P. Convey, A. Menzel, C. Parmesan, T.J.C. Beebee, J-M. Fromentin, O. Hoegh-Guldberg and F. Bairlein. 2002. Ecological Responses to Recent Climate Change. Nature 416: 389-395.
- Weladji, R.B., O. Holand, and T. Almoy. 2003. Use of Climatic Data to Assess the Effect of Insect Harassment on the Autumn Weight of Reindeer (*Rangifer tarandus*) calves. Journal of Zoology 260:79-85.
- Wiens, J.A. 1989. Spatial Scaling in Ecology. Functional Ecology. 3:385-397.
- With, K.A. 1997. The Application of Neutral Landscape Models in Conservation Biology. Conservation Biology 11(5):1069-1080.
- Ziemann J. 2007. Tibbitt Lake to Contwoyto Winter Road Monitoring Station Report. Department of Environment and Natural Resources, Government of the Northwest Territories, Yellowknife, N.W.T
- Chapter 13. KLOI: Water Fluctuations in the Taltson River Watershed

# Section 13.3. ALTERATIONS OF WATER QUANTITY

Rescan. 2006. Taltson Hydro Project: Trudel Creek Hydrological Assessment. Prepared for Dezé Energy Corporation by Rescan Environmental Services Ltd. October 2006

#### Section 13.4. ALTERATION OF WATER QUALITY

Cambria Gordon Ltd. 2008. Memo to file: Taltson Hydroelectric Expansion Project water quality. Field Program 2008.



- Canadian Council of Ministers of the Environment (CCME). 2007. Canadian water quality guidelines for the protection of aquatic life. Ottawa, ON: Environment Canada.
- Canadian Dam Association. 2007. CDA's Frequently Asked Questions. Accessed November, 2007, from http://cda.ca/cda/main/faqdameffects.htm.
- Environment Canada. 2004. Threats to Water Availability in Canada. Burlington, ON: NWRI Scientific Assessment Report Series No. 3 and ACSD Science Assessment Series No. 1.
- National Water Quality Data Bank (NWQDB). 1985. Water quality branch, inland waters directorate. Ottawa, ON: Environment Canada.
- Reeder, S.W., Demago, A., & Taylor, M.C. Mercury. In: Guidelines for Surface Water Quality. Vol. 1: Inorganic Chemical Substance. Ottawa, ON: Environment Canada, Inland Waters Directorate, Water Quality Branch.
- Rescan Environmental Services Ltd. (Rescan). 2004. Taltson Hydro Project 2004: Water Effects Monitoring Program. Vancouver, BC: Prepared for Northwest Territories Power Corporation by Rescan Environmental Services Ltd.
- Rosenberg, D.M., Berks, F., Bodaly, R.A., Hecky, R.E., Kelly, C.A., & Rudd, J.W.M. 1997. Large-scale Impacts of Hydroelectric Development. Environmental Reviews, 5, 27-54.
- The Weather Network. 2008. Historical Weather Records: Yellowknife Airport: 2001 to 2008. Accessed November 13, 2008, from http://www.theweathernetwork.com.
- Whitfield, P.H., & McNaughton, B. 1986. Dissolved Oxygen Depressions Under Ice Cover in Two Yukon Rivers. Water Resource Research, 22(12), 1675-1679.
- Williamson, D.A., & Ralley, W.E. 1993. A Summary of Water Chemistry Changes following Hydroelectric Development in Northern Manitoba, Canada. N.p.: Manitoba Environment, Water Quality Management Section, Report #93-2

#### Section 13.5. BIOACCUMULATION OF MERCURY

- Abernathy, A. R., and P. H. Cumbie. 1977. Mercury Accumulation by Largemouth Bass (*Micropterus salmoides*) in Recently Impounded Reservoirs. Bulletin of Environmental Contamination and Toxicology. 17: 595 602.
- Ariya, P. A., A. P. Dastoor, M. Amyot, W. H. Schroeder, L. Barrie, K. Anlauf, F. Raofie, A. Ryzhkov, D. Davignon, J. Lalonde, and A. Steffen. 2004. The Arctic: a Sink for Mercury. Tellus B. 56 (5): 397 403.
- Birds of North America Online. 2007. Common Tern (*Sterna hirundo*). Issue No. 618. http://bna.birds.cornell.edu/bna/species/618/articles/distribution (accessed November, 2007).
- Bodaly, R. A., R. E. Hecky, and R. J. P. Fuge. 1984. Increases in Fish Mercury Levels in Lakes Flooded by the Churchill River Diversion, Northern Manitoba. Canadian Journal of Fisheries and Aquatics. 41: 682 691.



- Canadian Dam Association. 2007. CDA's Frequently Asked Questions. http://cda.ca/cda/main/faqdameffects.htm (accessed November, 2007).
- CCME. 2007. Canadian Water Quality Guidelines for the Protection of Aquatic Life. Canadian Council of Ministers of the Environment.
- Cox, J. A., J. Carnahan, J. Dinunzio, J. McCoy, and J. Meister. 1979. Source of Mercury in Fish in New Impoundments. Bulletin of Environmental Contamination and Toxicology. 23: 779 783.
- Dmytriw, R, A. Mucci, M. Lucotte and P. Pichet. 1995. The Partitioning of Mercury in the Solid Components of Dry and Flooded Forest Soils and Sediments from a Hydroelectric Reservoir, Quebec (Canada). Water, Air, & Soil Pollution. 80(1-4): 1099 1103.
- Environment Canada. 2002. Canadian Tissue Residue Guideline for the Protection of Wildlife Consumers of Aquatic Biota: Methylmercury. Ottawa: Ecosystem Health: Science Based Solutions Report No: 1-4. National Guidelines and Standards Office, Water Policy and Coordination Directorate, Environment Canada.
- Environment Canada. 2003. Canadian Water Quality Guidelines for the Protection of Aquatic Life: Inorganic Mercury and Methylmercury. Scientific Supporting Document. Ecosystem Health: Science Based Solutions Report No: 1-7. Ottawa: National Guidelines and Standards Office, Water Policy and Coordination Directorate.
- Environment Canada. 2004. Mercury and the Environment. http://www.ec.gc.ca/MERCURY/EH/EN/eh-ec.cfm (accessed November, 2007).
- Evers, D. C., J. Han, C. T. Driscoll, N. C. Kamman, M. W. Goodale, K. F. Lambert, T. M. Holsen, C. Y. Chen, T. A. Clair, and T. Bulter. 2007. Biological Mercury Hotspots in the Northeastern United States and Southeastern Canada. BioScience, 57: 29-43.
- Health Canada. 2007. Updating the Existing Risk Management Strategy for Mercury in Retail Fish. Bureau of Chemical Safety, Food Directorate, Health Products and Food Branch. Report Cat. H164-55/2007 E-PDF
- Hudson, R. J., S. A. Gherini, C. J. Watras, D. B. Porcella. 1994. Modeling the Biogeochemical Cycle of Mercury in Lakes: the Mercury Cycling Model (MCM) and its Application to the MTL Study Lakes. In: Mercury as a Global Pollutant: Towards Integration and Synthesis. Lewis Publishers, Chelsea, MI.
- Johnston, T.A., R.A. Bodaly and J.A. Mathias. 1991. Predicting Fish Mercury Levels from Physical Characteristics of Boreal Reservoirs. Canadian Journal of Fisheries and Aquatic Science. 48: 1468 1475.
- Leonard, D., R. Reash, D. Porcella, A. Paralkar, K. Summers, and S. Gherini. 1995. Use of the mercury cycling model (MCM) to Predict the Fate of Mercury in the Great Lakes. Water, Air, and Soil Pollution. 80: 519 528.
- Manitoba Hydro and Nisichawayasihk Cree Nation. 2003. Wuskwatim Generation Project. Environmental Impact Statement, Aquatic Environment. Volume 5.



- Power, M., G. M. Klein, K. R. A. Guiguer, and M. K. H. Kwan. 2002. Mercury Accumulation in the Fish Community of a Sub-Arctic Lake in Relation to Trophic Position and Carbon Sources. Journal of Applied Ecology. 39: 819 830.
- Rescan. 2003. Taltson Hydro Project 2003 Water Effects Monitoring Program. Prepared for Northwest Territories Power Corporation by Rescan Environmental Services Ltd.
- Rescan. 2004. Taltson Hydro Project 2004 Water Effects Monitoring Program. Prepared for Northwest Territories Power Corporation by Rescan Environmental Services Ltd.
- Schetagne, R., and R. Verdon. 1999. Mercury in Fish of Natural Lakes of Québec. In: Mercury in the Biochemical Cycle, Springer, Berlin, p115-130.
- Shanley, J. B., N. C. Kamman, T. A. Clair, and A. Chalmers. 2005. Physical Controls on Total and Methylmercury Concentrations in Streams and Lakes of the Northeastern USA. Ecotoxicology, 14: 125-134.
- Sorensen, J. A., L. W. Kellemeyn, and M. Sydor. 2005. Relationship between Mercury Accumulation in Young-of-the-year Yellow Perch and Water-level Fluctuations. Environmental Science and Technology, 39: 9237-9243.
- Stephens, G.R. 1995. Mercury Concentrations in Fish in a Remote Canadian arctic lake. Water, Air, and Soil Pollution, 80: 633 636.
- Verta, M., S. Rekolainen, and K. Kinnunen. 1986. Causes of Increased Fish Mercury Levels in Finnish Reservoirs. Publication of the Water Research Institute of Finland, 65: 44-71.
- Wheatley, B. 1984. Methylmercury in Canada: Exposure of Indian and Inuit residents to Methylmercury in the Canadian Environment. Health and Welfare. Canada, Ottawa, Ontario. p164.

### SECTION 13.6. ALTERATION OF ICE STRUCTURE

- Ashton, G. D. (Ed.). 1986. River and Lake Ice Engineering. N.p.: Water Resources Publications.
- Davar, K., Spyros, B., & Pratte, B. (Eds.). 1996. A Primer on Hydraulics of Ice Covered Rivers. N.p.: Canadian Committee on Ice River Processes and the Environment.
- Matousek, V. 1984. Regularity of the Freezing-up of the Water Surface and Heat Exchange between Water Body and Water Surface. Paper presented at the IAHR Ice Symposium Proceedings, Hamburg.
- Rescan. 2003. Taltson Hydro Project 2003 Water Effects Monitoring Program. Vancouver: Prepared for Northwest Territories Power Corporation by Rescan Environmental Services Ltd.
- Treasury Board of Canada. 1993. Safety Guide for Operations over Ice. Accessed January, 2008, from http://www.tbs-sct.gc.ca/Pubs\_pol/hrpubs/TBM\_119/CHAP5\_3\_e.asp
- Whitlock, G. 2006. Taltson Watershed Ice Thickness Report: December 2006. N.p.: Prepared for Northwest Territories Energy Corporation.



Whitlock, G. 2007. Taltson Watershed Ice Thickness Report: April 2007. N.p.: Prepared for Northwest Territories Energy Corporation

### Section 13.7. Wetlands

- Canada Soil Survey Committee (CSSC). 1987. The Canadian System of Soil Classification. 2nd ed. Agriculture Canada. Ottawa, Ont. Publ. 1646.
- CEAA (Canadian Environmental Assessment Agency). 2005. Appendix 2: How the Canadian Environmental Assessment Act Relates to Wetlands
- Environment Canada. 2003. Wetland Environmental Assessment Guideline. Biodiversity Protection Branch. Canadian Wildlife Service. Accessed from: http://www.cws-scf.ec.gc.ca/publications/eval/wetl/index\_e.cfm. Accessed on: September 11, 2008.
- Environment Canada. 2005. Narrative Descriptions of Terrestrial Ecozones and Ecoregions of Canada: Tazin Lake Upland. State of the Environment Infobase. Accessed from: http://www.ec.gc.ca/soer-ree/English/Framework/Nardesc/TOC.cfm. Accessed on: December 03, 2008.
- Flook, D.R. 1959. Moose using Water as a Refuge from Flies. Journal of Mammology, 40: 455.
- Galatowitsch, S., and A. Van Der Valk. 1998. Restoring Prairie Wetlands: An Ecological Approach. Published 1998, Blackwell Publishing.
- Iverson, L.R., R.G. Lambert, and E.A. Cook. 1989. Applications of Satellite Remote Sensing to Forested Ecosystems. Landscape Ecology. Vol. 3 No. 2. pp 131-143
- Lynch-Stewart, P., P. Neice, C. Rubec, and I. Kessel-Taylor. 1996. The Federal Policy on Wetland Conservation Implementation Guide for Federal Land Managers. Ottawa, Ontario: Habitat Conservation Division, Canadian Wildlife Service, Environment Canada.
- MacKenzie, W.H. and J.R. Moran. 2004. Wetlands of British Columbia: A Guide to Identification. Ministry of Forest Research Program. Victoria, B.C. Land Management Handbook 52.
- Mitsch, W. J. and J.G. Gosselink. 2000. Wetlands, Third Edition. John Wiley and Sons Inc., New York, NY.
- National Wetlands Working Group (NWWG). 1988. Wetlands of Canada. Ecological Land Classification Series No. 24. Sustainable Development Brach, Environment Canada, Ottawa, Ontario, and Polyscience Publications Inc., Montreal, Quebec. 452 p.
- Nilsson, C. and M. Svedmark. 2002. Basic Principles and Ecological Consequences of Changing Water Regimes: Riparian Plant Communities. J. Env. Manag. 30 (4). 468-480.
- Odland, A. and R. Moral. 2002. Thirteen Yearts of Wetland Vegetation Succession Following a Permanent Drawdown, Myrkdalen Lake, Norway. J. Plant Ecology. 162. 185-198.
- Ozesmi, S.L. and M.E. Bauer. 2002. Satellite Remote Sensing of Wetlands. Wetland Ecology and Management. Vol 10. No. 5. pp 381-402



- RAMSAR. 2008. Background Papers of Wetland Values and Functions: Flood Control. The RAMSAR Convention on Wetlands. Accessed from: http://www.ramsar.org/info/values floodcontrol e.htm. Accessed on August 25, 2008.
- Renecker, L.A. and R.J. Hudson. 1986. Seasonal Energy Expenditures and Thermoregulatory Responses of Moose. Canadian Journal of Zoology, 64: 322 327.
- Rescan. 2008a. Taltson Basin Preliminary Environmental and Social Effects Assessment.

  Prepared for the Deze Energy Corporation. Prepared by Rescan Environmental Services.

  January 2008.
- Rescan. 2008b. Taltson River Basin Model for Proposed Power Plant Upgrades. Prepared for the Dezé Energy Corporation. Prepared by Rescan Environmental Services. September, 2008.
- Territorial Farmers Association. 2000. Northewest Territories Agricultural: State of the Industry, 2000. Prepared for the Territorial Farmers Association. August 2000.
- Toner, M., and P. Keddy. 1997. River Hydrology and Riparian Wetlands: A Predictive Model for Ecological Assembly. Ecological Applications. 7(1). pp. 236-246.
- Warner, B.G., and C.D.A Rubec (editors). 1997. The Canadian Wetland Classification System: The National Wetlands Working Group. Wetlands Research Centre. University of Waterloo, Waterloo, Ontario.

## **SECTION 13.8. AQUATIC RESOURCES**

- Aroviita, J. & Hämäläinen, H. 2008. The Impact of Water Level Regulation on Littoral Macroinvertebrate Assemblages in Boreal Lakes. Hydrobiologia, 613, 45-56.
- Baumgärtner, D., Mörtl, M, & Rothhaupt, K.-O. 2008. Effects of Water-depth and Water-level Fluctuations on the Macroinvertebrate Community Structure in the Littoral Zone of Lake Constance. Hydrobiologia, 613, 97-107.
- Bodaly, R. A., R. E. Hecky, and R. J. P. Fuge. 1984. Increases in Fish Mercury Levels in Lakes Flooded by the Churchill River Diversion, Northern Manitoba. Canadian Journal of Fisheries and Aquatics. 41: 682 691.
- Brauns, M., Garcia, X.-F., Pusch, M.T. 2008. Potential Effects of Water-level Fluctuations on Littoral Invertebrates in Lowland Lakes. Hydrobiologia, 613, 5-12.
- Cambria Gordon Ltd. 2008. Draft Littoral Habitat Assessment of Lady Grey Lake, Nonacho Lake and Trudel Creek. Prepared for the Dezé Energy Corporation. August 2008. 49 p.
- Canadian Dam Association. 2007. CDA's Frequently Asked Questions. http://cda.ca/cda/main/faqdameffects.htm (accessed November, 2007).
- Dmytriw, R, A. Mucci, M. Lucotte and P. Pichet. 1995. The Partitioning of Mercury in the Solid Components of Dry and Flooded Forest Soils and Sediments from a Hydroelectric Reservoir, Quebec (Canada). Water, Air, & Soil Pollution. 80(1-4): 1099 1103.



- Envirocon Limited, Lee Doran Associates Ltd. and Pearse Bowden Economic Consultants Limited. 1975. Environmental Implications of Proposals to Increase Hydro-Electric Generation on the Taltson River System, Northwest Territories. Prepared for the Northern Canada Power Commission. January, 1975.
- Falk, M.R. 1979. Biological and Limnological Data on Ten Lakes Surveyed in the Northwest Territories, 1971-1972. Canadian Fisheries and Marine Service Data Report 129. June 1979.
- Finlayson, B. Fujimara, R. Huang, Z.-Z. 2000. Toxicity of Metal-contaminated Sediments from Keswick Reservoir California, USA. Environmental Tocixology and Chemistry, 19(2), 485-494.
- Fjellheim, A., Håvardstyn, J., Raddum, G.G., & Schnell, Ø.A. 1993. Effects of Increased Discharge on Benthic Invertebrates in a Regulated River. Regulated Rivers: Research & Management, 8, 179-187.
- Hall, B.D., Rosenberg, D.M., Wiens, A.P. 1998. Methylmercury in Aquatic Insects from an Experimental Reservoir. Canadian Journal of Fisheries and Aquatic Sciences, 55, 2036-2047.
- Hatfield, T. Lewis, A., Ohlosn, D., & Bradford, M. 2003. Development of Instream Flow Thresholds as Guidelines for Reviewing Proposed Water Uses. Completed for the BC Ministry of Sustainable Resource Management and for BC Ministry of Water, Land & Air Protection. 88 pp plus appendices.
- Leira, M., & Cantonati, M. 2008. Effects of water-level Fluctuations on Lakes: an Annotated Bibliography. Hydrobiologia, 613, 171-184.
- Mannes, S., Robinson, C.T, Uehlinger, Urs, Scheurer, T., Ortlepp, J., Mürle, U., & Molinari, P. 2008. Ecological Effects of a Long-term Flood Program in a Flow-regulated River. Journal of Alpine Research, 1, 125-134.
- National Institute of Water & Atmospheric Research Ltd. (NIWA). 2003. Water Level Fluctuation in Lake Rotoiti and their Ecological Implications (NIWA Client Report: HAM203-156). Hamilton, New Zealand.
- Rennie M.D. & Jackson, L.J. 2005. The Influence of Habitat Complexity on Littoral Invertebrate Distributions: Patterns Differ in Shallow Prairie Lakes with and without Fish. Canadian Journal of Fisheries and Aquatic Sciences, 62, 2088-2099.
- Rescan. 2001. Biological Characterization of the Snare River System. Prepared for Northwest Territories Power Corporation by Rescan Environmental Services. 2001.
- Robinson, C.T., & Uehlinger, U. 2008. Experimental Floods Cause Ecosystem Regime Shift in a Regulated River. Ecological Applications, 18(2), 511-526.
- Rodgers, D.W., Dickman, M. and Han, X. 1995. Stories from Old Reservoirs: Sediment Mercury and Mercury Methylation in Ontario Hydroelectric Developments. Water, Air and Soil Pollution, 80, 829-839.



- Rosenfeld, J.S. 2002. Functional Redundancy in Ecology and Conservation. Oikos. 98 (1): 156 162.
- Wallace, J.B. 1990. Recovery of Lotic Macroinvertebrate Communities from Disturbance. Environmental Management, 14(5), 605-620.
- White, M.S., Xenopoulos, M.A., Hogsden, K., Metcalfe, R.A., & Dillon, P.J. 2008. Natural lake Level Fluctuation and Associated Concordance with Water Quality and Aquatic Communities within Small Lakes of the Laurentian Great Lakes Region. Hydrobiologia, 613, 21-31

## **SECTION 13.9. TALTSON FISHERIES**

- Cambria Gordon Ltd. 2008. Draft Littoral Habitat Assessment of Lady Grey Lake, Nonacho Lake and Trudel Creek. Prepared for the Dezé Energy Corporation. August 2008.
- Casselman, J.M. and C.A. Lewis. 1996. Habitat Requirements of Northern Pike (*Esox lucius*) Can. J. Fish. Aquat. Sci. 53: 161–174
- DFO Fish Habitat Management. 2008. website address: http://www.dfo-mpo.gc.ca/oceans-habitat/habitat/modernizing-moderniser/pathways-sequences/water-aquatique\_e.asp. accessed August 29, 2008
- Evans, C.L., J.D. Reist and C.K.Minns. 2002. Life History Characteristics of Freshwater Fishes Occurring in the Northwest Territories and Nunavut with Major Emphasis on Riverine Habitat Requirements. Canadian Manuscript Report of Fisheries and Aquatic Sciences 2614: 169 pages
- Mackenzie River Basin Board. 2003. Mackenzie River Basin State of the Aquatic Environment, 2003. Fort Smith. URL: http://www.swa.ca/Publications/AquaticEcosystem.asp accessed September 04, 2008.
- Odland, A. 2002. Patterns in the Secondary Succession of a *Carex vesicaria L*. Wetland Following Permanent Drawdown. Aquatic Botany. 74 (2002); pages 233 244.
- Odland A. & R. del Moral. 2002. Thirteen Years of Wetland Vegetation Succession Following a Permanent Drawdown, Myrkdalen Lake, Norway. Plant Ecology 162 (2002): 185 198
- Rescan. 2008. Taltson Wetlands Baseline Studies Report: 2008. Unpublished report to Deze Energy Corporation by Rescan Environmental Services Ltd., Vancouver, B.C.
- Richardson, E.S, J.D. Reist and C.K.Minns. 2001. Life History Characteristics of Freshwater Fishes Occurring in the Northwest Territories and Nunavut with Major Emphasis on Lake Habitat Requirements. Canadian Manuscript Report of Fisheries and Aquatic Sciences 2569: 149 pages
- Sawatzky, C.D., D. Michalak, J.D. Reist, T.J. Carmichael, N.E. Mandrak, and L.G. Heuring. 2007. Distributions of Freshwater and Anadromous Fishes from the Mainland Northwest Territories, Canada. Can. Manuscr. Rep. Fish. Aquat Sci. 2793: xiv + 239 p.



Water Survey of Canada. 2008. website address: http://www.wsc.ec.gc.ca/hydat/H2O /index\_e.cfm?cname=WEBfrmMeanReport\_e.cfm; Station name: Nonacho Lake near Łutsel K'e (snowdrift)(07QO002)

# SECTION 13.10. WILDLIFE

- Battin, J. 2004. When Good Animals Love Bad Habitats: Ecological Traps and the Conservation of Animal Populations. Conservation Biology, 18(6), 1482-1491.
- Boucher, M. 2006. Taltson River Expansion Project: Traditional Knowledge Component from Deninu Kue and Thabacha. N.p.: Prepared for the Northwest Territories Energy Corporation.
- Bradley, S. W., Rowe, J. S., Tarnocai, C., & Ironside, G. R. 1982. An Ecological Land Survey of the Lockhart River Map Area, Northwest Territories (Ecological Land Classification Series No. 16). Ottawa, ON: Lands Directorate, Environment Canada.
- CARCNET. 2008 Welcome to CARCNET's Website on the Amphibians and Reptiles of Canada. Accessed August, 2008, from http://www.carcnet.ca/english/index.html.
- Clark, F. S. 1999. Water Effects Monitoring Program: Taltson Hydro Project Northwest Territories. N.p.: Prepared for Northwest Territories Power Corporation, Hay River, by North/South Consultants Inc., and Trillium Engineering and Hydrographics.
- COSEWIC. 2000. COSEWIC Assessment and Update Status Report on the Northern Leopard Frog *Rana pipiens* (Southern Mountain and Prairie populations) in Canada. Ottawa, ON: Committee on the Status of Endangered Wildlife in Canada.
- Cott, P. A., Sibley, P. K., Somers, W. M, Lilly, M. R., & Gordon, A. M. 2008. A Review of Water Level Fluctuations on Aquatic Biota with an Emphasis on Fishes in Ice-covered Lakes. Journal of the American Water Works Association, 44(2), 343-359.
- Ecological Stratification Working Group. 1995. A National Ecological Framework for Canada. Ottawa ON/Hull QC: Agriculture and Agri-Food Canada, Research Branch, Centre for Land and Biological Resources Research and Environment Canada, State of the Environment Directorate, Ecozone Analysis Branch.
- Ecoregions Working Group. 1989. Ecoclimatic Regions of Canada, First Approximation (Ecological Land Classification Series No. 23). Ottawa, ON: Sustainable Development Branch, Canadian Wildlife Service, Environment Canada.
- Ecosystem Classification Group. 2007. Ecological Regions of the Northwest Territories: Taiga Plains. Yellowknife, NT: Department of Environment and Natural Resources, Government of the Northwest Territories.
- Ecosystem Classification Group. 2008. Ecological Regions of the Northwest Territories: Taiga Shield. Yellowknife, NT: Department of Environment and Natural Resources, Government of the Northwest Territories.



- Environment Canada. 2005. Narrative Descriptions of Terrestrial Ecozones and Ecoregions of Canada. Accessed September, 2008, from http://www.ec.gc.ca/soer-ree/English/Framework/Nardesc/taishdwe.cfm.
- Erb, J., & and Perry Jr., H. R. 2003. Muskrats. In Wild Mammals of North America: Biology, Management, and Conservation (pp. 311-339). Baltimore, MD: Johns Hopkins University Press.
- Evers, D. C. 2004. Status Assessment and Conservation Plan for the Common Loon (*Gavia immer*) in North America. Hadley, MA: U.S. Fish and Wildlife Service.
- Fournier, M. A. 1997. Amphibians in the Northwest Territories. In D. M. Green (Ed.), Amphibians in Decline: Canadian Studies of a Global Problem (Herpetological Conservation, No. 1, pp. 100-106). St Louis, MO: Society of the Study of Amphibians and Reptiles.
- GNWT. 2008 Species at Risk in the Northwest Territories: A Guide to NWT Species Legally Listed under the Federal Species at Risk Act and Those Under Consideration for Listing. Yellowknife, NT: Environment Canada, Canadian Wildlife Service, Prairie and Northern Region, and Government of the Northwest Territories, Department of Environment and Natural Resources.
- Hill, E. P. 1982. Beaver (*Castor canadensis*). In Wild Mammals of North America. Baltimore, MD: Johns Hopkins University Press.
- Kiviat, E. 1978. Vertebrate Use of Muskrat Lodges and Burrows. Estuaries and Coasts, 1(3), 196-200
- Kucera, E. 1983. Mink and Otter as Indicators of Mercury in Manitoba Waters. Canadian Journal of Zoology, 61(10), 2250-2256.
- Lesica, P., & Allendorf, F. W. 1995. When are Peripheral Populations Valuable for Conservation? Conservat Biol, 9(4), 753-760.
- Martin, C. O. 2001. Riparian Habitat Management for Mammals on Corps of Engineers Projects, EMRRP Technical Notes Collection (ERDC TN-EMRRP-SI-29). Vicksburg, MS: U.S. Army Engineer Research and Development Center.
- Merritt, D. M., & Cooper, D. J. 2000. Riparian Vegetation and Channel Change in Response to River Regulation: A Comparative Study of Regulated and Unregulated Streams in the Green River Basin, USA. Regulated Rivers: Research & Management, 16, 543-564.
- Melquist, W. E. 1997. Aquatic Mustelids: Minks and River Otter. In J. E. Harris & C. V. Ogan (Eds.), Mesocarnivores of Northern California: Biology, Management, and Survey Techniques, Workshop Manual (pp. 35-42). Arcata, CA: The Wildlife Society, California North Coast Chapter
- Messier, F., Virgl, J. A., & Marinelli, L. 1990. Density-dependent Habitat Selection in Muskrats: A Test of the Ideal Free Distribution Model. Oecologia, 84, 380-385.



- Migratory Birds Convention Act, 1994. Available at: http://laws.justice.gc.ca/en/ShowFullDoc/cs/M-7.01///en
- Migratory Birds Regulations. C.R.C., c. 1035, s. 6. Available at: http://laws.justice.gc.ca/en/ShowFullDoc/cr/C.R.C.-c.1035///en
- Nolet, B. A., & Rosell, F. 1998. Comeback of the Beaver *Castor fiber*: An Overview of Old and New Conservation Problems. Biological Conservation, 83(2), 165-173.
- Northwest Territories Power Corporation. 1998. Determination of Flooded Area Nonacho Lake Reservoir, NWT. N.p.
- NWT Wildlife Act. 1988. Revised Statutes of the Northwest Territories. c.W-4, s. 38(1).
- Odland, A., & Moral, R. D. 2002. Thirteen Years of Wetland Vegetation Succession Following a Permanent Drawdown, Myrkdalen Lake, Norway. Plant Ecology, 162, 185-198.
- Ontario Fur Managers Federation. 2008. Furbearers. Accessed October, 2008, from http://www.furmanagers.com/furbearers.aspx.
- Proulx, G., McDonnell, J. A., & Gilbert, F. F. 1987. The Effect of Water Level Fluctuations on Muskrat, Ondatra zibethieus, Predation by Mink, Mustela vision. Canadian Field Naturalist, 101, 89-92.
- Rescan. 2000. Water Effects Monitoring Program Aerial Beaver Survey. Yellowknife, NT: Prepared for Northwest Territories Power Corporation by Rescan Environmental Services Ltd.
- Rescan. 2001. Water Effects Monitoring Program Aerial Muskrat Survey. Yellowknife, NT:
  Prepared for Northwest Territories Power Corporation by Rescan Environmental Services
  Ltd.
- Rescan. 2004a. Taltson Hydro Expansion Project 2003 Baseline Report. N. p.: Prepared for Northwest Territories Power Corporation by Rescan Environmental Services Ltd.
- Rescan. 2004b. Taltson Hydro Project 2003 Water Effects Monitoring Program. N. p.: Prepared for Northwest Territories Power Corporation by Rescan Environmental Services Ltd.
- Rescan. 2008a. 2008 Taltson Basin wildlife baseline report. N.p.: Prepared for Dezé Energy Corporation by Rescan Environmental Services Ltd.
- Rezendes, P. 1999. Tracking and the art of seeing. New York, NY: HarperCollins Publishers, Inc.
- Rosenberg, D. M., Berkes, F., Bodaly, R. A., Hecky, R. E., Kelly, C. A., & Rudd, J. W. M.. 1997. Large-scale Impacts of Hydroelectric Development. Environmental Review, 5, 27-54.
- Rosenberg, D. M., Bodaly, R., A., & Usher, P. J. 1995. Environmental and Social Impacts of Large Scale Hydroelectric Development. Global Environmental Change, 5(2), 127-148.
- Seburn, C. N. L., & Seburn, D. C. 1998. COSEWIC Status Report on the Northern Leopard Frog *Rana pipiens* (Southern Mountain and Prairie Populations) in Canada. In COSEWIC



- Assessment and Status Report on the Northern Leopard Frog *Rana pipiens* in Canada (pp. 1-40). Ottawa, ON: Committee on the Status of Endangered Wildlife in Canada.
- Shafroth, P. B., Friedman, J. M., Auble, G. T., Scott, M. L., & Braatne, J. H. 2002. Potential Responses of Riparian Vegetation to Dam Removal. Bioscience, 52(8), 703-712.
- Simpson, M. R., & Boutin, S. 1993. Muskrat Life History: A Comparison of a Northern and Southern Population. Ecography, 16(1), 5-10.
- Smith, D. W., & Peterson, R. O. 1991. Behavior of Beavers in Lakes with Varying Water Levels in Northern Minnesota. Environmental Management, 15(3), 395-401.
- Species at Risk Act, 2002. c. 29. Available at: http://laws.justice.gc.ca/en/s-15.3/text.html
- Viljugrein, H., Lingjaerde, O. C., Stenseth, N. C., & Boyce, M. S. 2001. Spatio-temporal Patterns of Mink and Muskrat in Canada during a Quarter Century. Journal of Animal Ecology, 70, 671-682.
- Working Group on General Status of NWT Species. 2006. NWT species 2006–2010: General Status Ranks of Wild Species in the Northwest Territories. Yellowknife, NT: Department of Environment and Natural Resources, Government of the Northwest Territories

# Chapter 14. KLOI: Ecological Changes in Trudel Creek

### SECTION 14.3. ALTERATIONS OF WATER QUANTITY

- Hicks, D. M., & Mason, P. D. 1998. Roughness Characteristics of New Zealand Rivers. Wellington, New Zealand: Water Resources Publications, LLC.
- Rescan. 2006. Taltson hydro project: Trudel Creek Hydrological Assessment: Prepared for Northwest Territories Energy Corporation by Rescan Environmental Services Ltd.
- US Army Corps of Engineers. 2008. HEC-RAS. Accessed January, 2008, from http://www.hec.usace.army.mil/software/hec-ras/hecras-hecras.html

## Section 14.4. Alteration of Water Quality

- Cambria Gordon. 2008a. Water Quality Taltson Hydroelectric Expansion Project Field Program 2008. [Terrace, BC]: Prepared for Northwest Territories Power Corporation by Cambria Gordon Ltd.
- Cambria Gordon. 2008b. Water Temperature Taltson Hydroelectric Expansion Project Field Program 2008. [Terrace, BC]: Prepared for Northwest Territories Power Corporation by Cambria Gordon Ltd.
- CCME. 2007. Canadian Water Quality Guidelines for the Protection of Aquatic Life. Winnipeg, MB: Canadian Council of Ministers of the Environment.
- Manitoba Hydro and Nisichawayasihk Cree Nation. 2003. Wuskwatim Generation Project Environmental Impact Statement: Aquatic Environment. Volume 5.



- Mathias, J. A., & Barica, J. 1980. Factors Controlling Oxygen Depletion in Ice-covered Lakes. Canadian Journal of Fisheries and Aquatic Sciences, 37, 185-194.
- Rescan. 2008. Taltson River Basin Model for Proposed Power Plant Upgrades. N.p.: Prepared for Northwest Territories Power Corporation by Rescan Environmental Services Ltd.
- Tchobanoglous, G., Burton, F. L., & Stensel, H. D. 2002. Wastewater Engineering: Treatment and Reuse (4th ed.). New York, NY: McGraw-Hill Professional.
- Welch, H. E. 1974. Metabolic Rates of Arctic Lakes. Limnology & Oceanography, 19(1), 65-73.
- White, D. M., Clilverd, H. M., Tidwell, A. C., Little, L., Lilly, M. R., Chambers, M., et al. 2008. A Tool for Modelling the Winter Oxygen Depletion Rate in Arctic Lakes. Journal of the American Water Resources Association, 44(2), 293-304.

### Section 14.5. Alteration of Ice Structure

- Whitlock. 2006. Taltson Hydro Project 2006 Taltson Watershed Ice Thickness Report, December 2006. Yellowknife: Prepared for NTEC (03) Ltd. by Greg Whitlock.
- Whitlock. 2007. Taltson Hydro Project 2007 Taltson Watershed Ice Thickness Report, April 2007. Yellowknife: Prepared for NTEC (03) Ltd. by Greg Whitloc

## Section 14.7. AQUATIC RESOURCES

- Aroviita, J. & Hämäläinen, H. 2008. The Impact of Water-level Regulation on Littoral Macroinvertebrate Assemblages in Boreal Lakes. Hydrobiologia, 613, 45-56.
- Baumgärtner, D., Mörtl, M, & Rothhaupt, K.-O. 2008. Effects of Water-depth and Water-level Fluctuations on the Macroinvertebrate Community Structure in the Littoral Area of Lake Constance. Hydrobiologia, 613, 97-107.
- Brauns, M., Garcia, X.-F., Pusch, M.T. 2008. Potential Effects of Water-level Fluctuations on Littoral Invertebrates in Lowland Lakes. Hydrobiologia, 613, 5-12.
- Cambria Gordon Ltd. 2008a. Draft Littoral Habitat Assessment of Lady Grey Lake, Nonacho Lake and Trudel Creek. Prepared for the Dezé Energy Corporation. August 2008. 49 p.
- Cambria Gordon Ltd. 2008b. Trudel Creek Fish and Fish Habitat Effects Assessment. Prepared for Dezé Energy Corporation. March 2008.
- Cott, P.A., P.K. Sibley, W.M. Somers, M.R. Lilly, and A.M. Gordon. 2008. A Review of Water Level Fluctuations on Aquatic Biota with an Emphasis on Fishes in Ice-covered Lakes. J. Am. Water Res. Ass. 44(2). 343-359.
- Fjellheim, A., Håvardstyn, J., Raddum, G.G., & Schnell, Ø.A. 1993. Effects of Increased Discharge on Benthic Invertebrates in a Regulated River. Regulated Rivers: Research & Management, 8, 179-187.
- Fjellheim, A., Raddum, G.G., & Schnell, Ø.A. 1989. Changes in Benthic Animal Production of a Weir Basin after Eight Years of Succession. Regulated Rivers: Research & Management, 3, 183-190.



- Gore, J.A. 1977. Reservoir Manipulations and Benthic Macroinvertebrates in a Prairie River. Hydrobiologia, 55, 113-123.
- Gore, J.A. 1980. Ordinational Analysis of Benthic Communities Upstream and Downstream of a Prairie Storage Reservoir. Hydrobiologia, 69, 33-44.
- Hatfield, T. Lewis, A., Ohlosn, D., & Bradford, M. 2003. Development of Instream Flow Thresholds as Guidelines for Reviewing Proposed Water Uses. Complete for the B.C. Ministry of Sustainable Resource Management and for B.C. Ministry of Water, Land & Air Protection. 88 pp plus appendices.
- Mannes, S., Robinson, C.T, Uehlinger, Urs, Scheurer, T., Ortlepp, J., Mürle, U., & Molinari, P. 2008. Ecological Effects of a Long-term Flood Program in a Flow-regulated River. Journal of Alpine Research, 1, 125-134.
- National Institute of Water & Atmospheric Research Ltd. (NIWA) 2003. Water Level Fluctuation in Lake Rotoiti and their Ecological Implications (NIWA Client Report: HAM203-156). Hamilton, New Zealand.
- Odland, A. and R. Moral. 2002. Thirteen Yearts of Wetland Vegetation Succession Following a Permanent Drawdown, Myrkdalen Lake, Norway. J. Plant Ecology. 162. 185-198.
- Rennie M.D. & Jackson, L.J. 2005. The Influence of Habitat Complexity on Littoral Invertebrate Distributions: Patterns Differ in Shallow Prairie Lakes With and Without Fish. Canadian Journal of Fisheries and Aquatic Sciences, 62, 2088-2099.
- Robinson, C.T., & Uehlinger, U. 2008 Experimental Floods Cause Ecosystem Regime Shift in a Regulated River. Ecological Applications, 18(2), 511-526.
- Rosenfeld, J.S. 2002. Functional Redundancy in Ecology and Conservation. Oikos, 98 (1), 156 162.
- Rescan. 2006. Taltson Expansion Project Trudel Creek Fish and Fish Habitat Assessment. Prepared for Northwest Territories Energy Corporation by Rescan Environmental Services Ltd. November 2006.
- Rescan. 2008. Trudel Creek Aquatics Baseline Report 2008. Prepared for the Northwest Power Corporation by Rescan Environmental Services Ltd. October, 2008
- Wallace, J.B. 1990 Recovery of Lotic Macroinvertebrate Communities from Disturbance. Environmental Management, 14(5), 605-620.
- Webb, B.W., & Walling, D.E. 1995. The Long-term Thermal Impact of Reservoir Operation and Some Ecological Implications. Man's Influence on Freshwater Ecosystems and Water Use (Proceedings of a Boulder Symposium, July 1995), 230, 245-257.
- White, M.S., Xenopoulos, M.A., Hogsden, K., Metcalfe, R.A., & Dillon, P.J. 2008. Natural lake Level Fluctuation and Associated Concordance with Water Quality and Aquatic Communities Within Small Lakes of the Laurentian Great Lakes Region. Hydrobiologia, 613, 21-31.



## **SECTION 14.8. FISHERIES RESOURCES**

- Cambria Gordon Ltd. 2007. Trudel Creek Aerial Photomosaics.
- Cambria Gordon Ltd. 2007a. Trudel Creek Minimum Flow Interim Report
- Cambria Gordon Ltd. 2007b. Trudel Creek August 2007 Fish and Fish Habitat Data Report.
- Cambria Gordon Ltd. 2008. Littoral Habitat Assessment of Nonacho Lake, Lady Grey Lake and Trudel Creek.
- Casselman, J.M. and C.A. Lewis. 1996. Habitat Requirements of Northern Pike (*Esox lucius*) Can. J. Fish. Aquat. Sci. 53: 161–174
- Clarke, K.D., C.P. Thomas, R.G. Randall, D.A. Scruton, K.E. Smokorowski. 2008. Validation of the Flow Management Pathway: Effects of Altered Flow on Fish Habitat and Fish Downstream from a Hydropower Dam.
- Cooper J.E., J.V. Mead, J.M. Farrell, and R.G. Werner. 2008. Potential Effects of Spawning Habitat Changes on the Segregation of Northern Pike (*Esox lucius*) and Muskellunge (*E. masquinongy*) in the Upper St. Lawrence River. Hydrobiologia 601: 41–53.
- Evans, C.L., J.D. Reist, and C.K. Minns. October 2002. Life History Characteristics of Freshwater Fishes Occurring in the Northwest Territories and Nunavut, with Major Emphasis on Riverine Habitat Requirements. Canadian Manuscript Report of Fisheries and Aquatic Sciences 2614.
- Fisheries and Oceans Canada. Pathways of Effects Change in Timing, Duration and Frequency of Flow. URL: http://www.dfo-mpo.gc.ca/oceans-habitat/habitat/modernizing-moderniser/pathways-sequences/frequency-frequence\_e.asp. Updated 2007-01-31. Accessed March 2008.
- Government of Canada, Department of Energy Mines and Resources. Aerial Photographs.
- Klohn Crippen Berger Ltd. 2008. Trudel Creek Erosion Assessment.
- Lewis, A., Hatfield, T., Chilibeck, B., and Roberts, C. 2004. Assessment Methods for Aquatic Habitat and Instream Flow Characteristics in Support of Applications to Dam, Divert, or Extract Water from Streams in British Columbia, [including the BC In-stream flow Methodology].
- Pierce, R.B., J.A. Younk, and C.M. Tomcko. 2007. Expulsion of Miniature Radio Transmitters along with Eggs of Muskellunge and Northern Pike—a New Method for Locating Critical Spawning Habitat. Environ Biol Fish 79: 99–109.
- Rescan Environmental Services Ltd. 2006a. Trudel Creek Hydrological Assessment Draft.
- Rescan Environmental Services Ltd. 2006b. Taltson Expansion Project: Trudel Creek Fish and Fish Habitat Assessment.



- Rescan Environmental Services Ltd. 2007a. Taltson River Basin Model for proposed Power Plant Upgrades.
- Rescan Environmental Services Ltd. 2007b. Trudel Creek Spring Low Flow Fisheries Assessment Data Report Draft.
- Richardson, E.S., J.D. Reist, and C.K. Minns. July 2001. Life History Characteristics of Freshwater Fishes Occurring in the Northwest Territories and Nunavut, with Major Emphasis on Lake Habitat Requirements. Canadian Manuscript Report of Fisheries and Aquatic Sciences 2569.
- Scott, W.B. and E.J. Crossman. 1973. Freshwater Fishes of Canada. Bulletin 184. Fisheries Research Board of Canada, Ottawa.
- Whitlock, G. 2006. Taltson Watershed Ice Thickness Report. December 2006.
- Whitlock, G. 2007. Taltson Watershed Ice Thickness Report. April 2007.

## **SECTION 14.9. WILDLIFE**

- Baker, R.J and E. P. Hill. 2003. Beaver (*Castor canadensis*). In Wild Mammals of North America: Biology, management, and Conservation (pp. 288-310). Baltimore, MD: Johns Hopkins University Press.
- Hakala, J.B. 1952. The Life History and General Ecology of the Beaver (*Castor canadensis*) in Interior Alaska. M.S. Thesis, University of Alaska, Fairbanks.
- Ouellet, V., J.Morin and O. Champoux. 2004. Muskrat (*Ondatra zibethicus*) Surviving Houses: Performance Indicator Summary. http://www.losl.org/twg/pi/pi\_mammalmuskrat2-e.html Accessed February 4, 2009.

## **Chapter 15. Subjects of Note**

# **SECTION 15.2. CANAL CONSTRUCTION**

- Auerbach, N.A., M.D. Walker and D.A. Walker. 1997. Effects of Roadside Disturbance on Substrate and Vegetation Properties in Arctic Tundra. Ecological Applications. 7(1): 218-235.
- Autsyl K'e Dene First Nation. Łutsel K'e Dene Band. 2002. Traditional Knowledge in the Kache Tue Study Region: Phase Three Towards a Comprehensive Environmental Monitoring Program in the Kakinyne Region. Łutsel K'e.
- Cambria Gordon Ltd. 2007b. Trudel Creek August 2007 Fish and Fish Habitat Data Report.
- Cambria Gordon Ltd. 2008. Littoral Habitat Assessment of Nonacho Lake, Lady Gray Lake and Trudel Creek.
- Canadian Standards Association (CAN/CSA). 2005. CAN/CSA-ISO 1996-1:05 (ISO 1996-1:1987): Acoustics Assessment of Noise in the Environment, Quantities and Procedures. Geneva, Switzerland.



- Clark, F.S. 1999. Water Effects Monitoring Program Taltson Hydro Project Northwest Territories. Prepared for Northwest Territories Power Corporation, Hay River by North/South Consultants Inc., and Trillium Engineering and Hydrographics.
- Clarke, K.D., C.P. Thomas, R.G. Randall, D.A. Scruton, K.E. Smokorowski. 2008. Validation of the Flow Management Pathway: Effects of Altered Flow on Fish Habitat and Fish Downstream from a Hydropower Dam.
- DEFRA (UK) 2004. Construction Database: Hepworth Acoustics.
- Ecosystem Classification Group. 2008a. Ecological Regions of the Northwest Territories, Taiga Shield. Department of Environment and Natural Resources, Government of the Northwest Territories.
- Everett, K.R. 1980. Distribution and Properties of Road Dust along the Northern Portion of the Haul Road. In J. Brown and R. Berg (eds.). Environmental Engineering and Ecological Baseline Investigations along the Yukon River-Prudhoe Bay Haul Road. U.S. Army Cold Regions Research and Engineering Laboratory, CRREL Report, 80-19: 101-128.
- FHWA (Federal Highway Administration). 1995. Highway Traffic Noise Analysis and Abatement: Policy and Guidance 1995.
- Fisheries and Oceans Canada. 2005. DFO Protocols for Winter Water Withdrawal in the Northwest Territories.
- Fisheries and Oceans Canada. 2007. Pathways of Effect. http://www.dfo-mpo.gc.ca/oceans-habitat/habitat/modernizing-moderniser/pathways-sequences/index e.asp
- Habib, L., E.M. Bayne and S. Boutin. Chronic Industrial Noise Affecting Pairing Success and Age Structure of Ovenbirds. Journal of Applied Ecology 2007, 44:176-184.
- Kennedy, J.A., P. Dilworth-Christie and A.J. Erskine. 1999. The Canadian Breeding Bird (Mapping) Census Database. Technical Report Series No. 342, Canadian Wildlife Service, Ottawa, Ontario Cat.No.CW69-5/342E-IN.
- Klohn Crippen Berger Ltd. 2008. Trudel Creek Erosion Assessment.
- Latour, P.B., J. Leger, J.E. Hines, M.L. Mallory, D.L. Mulders, H.G. Gilchrist, P.A. Smither, D.L. Dickson. 2006. Key Migratory Bird Terrestrial Habitat Sites in the Northwest Territories and Nunavut. Occasional Paper Canada Wildlife Service. Environment Canada. Ottawa. 121 pp. http://www.ngps.nt.ca/Upload/Interveners/Environment%20Canada/key\_terrestrial\_part1mar06.pdf (Accessed Dec. 19, 2008).
- Mackenzie Valley Environmental Effect Review Board (MVEIRB). 2008. Terms of Reference for the Taltson Hydroelectric Expansion Project Developer's Assessment Report.
- Male, S.K. and E. Nol. 2005. Effects of Roads Associated with the Ekati Diamond MineTM, NWT, Canada, on Reproductive Success and Breeding Habitat of Lapland Longspurs. Canadian Journal of Zoology 83: 1286-1296.



- Rescan Environmental Services Ltd. (Rescan). 2004. Taltson Hydro Expansion Project 2003 Baseline Report. April 2003. Prepared for Northwest Territories Power Corporation.
- Smith, A.C., J.A. Virgl, D. Panayi, and A. R. Armstrong. 2005. Effects of a Diamond Mine on Tundra-breeding Birds. Arctic 58(3): 295-304.
- TCPL (TransCanada Pipelines Limited). 2005. Environmental Impact Assessment of the Cacouna LNG Terminal Project, submitted to the Quebec Ministry of Environment, May, 2005.
- Walker, D.A. and K.R. Everett. 1991. Loess Ecosystems of Northern Alaska: Regional Gradient and Toposequence at Prudhoe Bay. Ecological Monographs, 61(4): 437-464.

## SECTION 15.3. TURBINE AND CONVEYANCE CANAL OPERATION

- Acres International Corporation. 2005. Fish Entrainment and Mortality Study. Niagra Power Project FERC No. 2216. Prepared for New York Power Authority. August 2005.
- Bickford, S.A. and J.R. Skalski. 2000. Reanalysis and Interpretation of 25 Years of Snake-Columbia River Juvenile Salmonid Survival Studies. North American Journal of Fisheries Management 20(1): 53-68.
- Cada. G.F. 1990. A Review of Studies Relating to the Effects of Propeller-Type Turbine Passage on Fish Early Life Stages. North American Journal of Fisheries Management 10(4): 418-426.
- Cada. G.F. 2001. The Development of Advanced Hydroelectric Turbines to Improve Fish Passage Survival. Fisheries 26(9): 14-23.
- Cambria Gordon Ltd. 2008. Habitat Assessment for Instream Works. Dezé Energy Corporation.
- CH2M HILL. 2003. Literature Based Characterization of Resident Fish Entrainment and Turbine-Induced Mortality Klamath Hydroelectric Project (FERC No. 2082). Draft Technical Memorandum. Prepared for PacifiCorp
- Collins, N.H., and C.P. Ruggles. 1982. Fish Mortality in Francis Turbines. Prepared by Montreal Engineering, Halifax, Nova Scotia, for the Canadian Electrical Association, Montreal, Quebec. Research Report G261. September 1982.
- Electric Power Research Institute (EPRI). 1997. Guidelines for Hydro Turbine Fish Entrainment and Survival Studies. EPRI Report TR-107299. Prepared by Alden Research Laboratory, Inc. Holden, MA.
- Envirocon, 1973. Taltson River Hydro Extension Fisheries Study, Interim data summary Partial Baseline Inventory. Northern Canada Power Commission.
- Federal Energy Regulatory Commission. 1995. Preliminary Assessment of Fish Entrainment at Hydropower Projects A Report on Studies and Protective Measures. Office of Hydropower Licensing, Washington, DC. Paper No. DPR -10.



- Franke, G. F., and nine co-authors. 1997. Development of Environmentally Advanced Hydro Turbine Design Concepts. Report prepared for the U.S. Department of Energy, DOE Idaho Operations Office, Idaho Falls, Idaho.
- Larinier M., and J. Dartiguelongue. 1989. La Circulation de Poissons Migrateurs: le Transit à Travers les Turbines des Installations Hydroélectriques (The Movements of Migratory Fish: Passage through Hydro-electric Turbines). Bull. Fr. Pisc., 312-313, 1-90.
- Larinier, M and F. Travade. 2002. Downstream Migration: Problems and Facilities. Bull Fr Pêche Pisc 364: 181-207.
- Rescan. 2003. Taltson Hydroelectric Expansion Project, 2003 Water Effects Monitoring Program. Northwest Territories Power Corporation.
- Rescan. 2004. Taltson Hydroelectric Expansion Project, 2004 Water Effects Monitoring Program. Northwest Territories Power Corporation
- Weitkamp, D.E. and T. Euston. 2004. Entrainment Evaluation Spokane River Hydroelectric Project. Spokane River Hydroelectric Project FERC Project No. 2545. Prepared for Fisheries Work Group Spokane River Project Relicensing. Prepared by Parametrix. August 2004.
- Winchell, F., S. Amaral, and D. Dixon. 2000. Hydroelectric Turbine Entrainment and Survival Database: an Alternative to Field Studies. HydroVision Conference, Charlotte, NC. August 2000.

## SECTION 15.4. SPECIES AT RISK AND KEY BIRD SPECIES

- Amar, A., Thirgood, S., Pearce-Higgins, J., & Redpath, S. 2008, August. The Impact of Raptors on the Abundance of Upland Passerines and Waders. Oikos, 117(8), 1143-1152.
- Anderson, W.L. 1978. Waterfowl Collisions with Power Lines at a Coal-fired Power Plant. Wildlife Society Bulletin 6(2):77-83.
- Andersen-Harlid, P. and D.Block. 1972. Dansk Ornithologisk Forenings Tidsskrift 67:15-23.
- Andrén, H. 1994. Effects of Habitat Fragmentation on Birds and Mammals in Landscapes with Different Proportions of Suitable Habitat: A Review. Oikos. Vol. 71, no. 3, pp. 355-366.
- Andren, H., and P. Angelstam. Elevated Predation Rates as an Edge Effect in Habitat Islands: Experimental evidence. Ecology 69(2): 544-547.
- APLIC (Avian Power Line Interaction Committee). 1994. Mitigating Bird Collisions with Power Lines: The State of the Art in 1994. Edison Electric Institute. Washington, DC.
- APLIC (Avian Power Line Interaction Committee). 2006. Suggested Practices for Avian Protection on Power Lines. State of the Art in 2006. Edison Electric Institute. Washington, DC.



- Auerbach, N.A., M.D. Walker and D.A. Walker. 1997. Effects of Roadside Disturbance on Substrate and Vegetation Properties in Arctic Tundra. Ecological Applications. 7(1): 218-235.
- Batary P. and A. Baldi. 2004. Evidence of an Edge Effect on Avian Nest Success. Conservation Biology 18(2): 389 400.
- BCTC. 2008. Interior to Lower Mainland Transmission Project Environmental Assessment Certificate Application. N.p.: British Columbia Transmission Corporation submitted to the British Columbia Environmental Assessment Office on November 13, 2008.
- Beaulaurier, D.L. 1981. Mitigation of Bird Collisions with Transmission Lines: Final report. Western Interstate Commission for Higher Education, Boulder, CO
- Bellrose, F.C. 1979. Species Distribution, Habitats, and Characteristics of Breeding Dabbling Ducks in North America. In "Waterfowl and Wetlands an Integrated Review" (T.A. Bookhout, ed), pp. 1-15. Northcent Sect., The Wildlife Society., Madison, Wisconsin.
- Bevanger, K. 1995. Estimates and Population Consequences of Tetranoid Mortality caused by Collisions with High Tension Power Lines in Norway. Journal of Applied Ecology. 32:745-753.
- BHP Billiton Inc. 1995. NWT Ekati Diamonds Project. Volume 2. Environmental Setting.
- BHP Billiton. 2003. 2002 Wildlife Effects Monitoring Program Prepared for BHP Billiton Diamonds Inc. by Golder Associates Ltd. January, 2003.
- BHP Billiton. 2004. 2003 Wildlife Effects Monitoring Program. Prepared for BHP Billiton Diamonds Inc. by Golder Associates Ltd. January 2004.
- BHP Billiton. 2005. 2004 Wildlife Effects Monitoring Program. Prepared for BHP Billiton Diamonds Inc. by Rescan Environmental Services Ltd. January, 2005.
- BHP Billiton. 2006. 2005 Wildlife Effects Monitoring Program. Prepared for BHP Billiton Diamonds Inc. by Rescan Environmental Services Ltd. January, 2006.
- BHPB. 2004. Ekati Diamond Mine 2003 Wildlife Effects Monitoring Program, Ekati Diamond Mine. Prepared by Golder Associates Ltd. for BHP Billiton Diamonds Inc.
- BHPB. 2007. Ekati Diamond Mine 2006 Wildlife Effects Monitoring Program. Prepared by Rescan Environmental Services Ltd. for BHP Billiton Diamonds Inc.
- BHPB. (BHP Diamonds Inc.). 2001 Wildlife Effects Monitoring Program, Ekati Diamond Mine. Prepared by Golder Associates Ltd. for BHP Billiton Diamonds Inc.
- BHPB. 2002. Wildlife Effects Monitoring Program, Ekati Diamond Mine. Prepared by Golder Associates Ltd. for BHP Billiton Diamonds Inc.
- Bird Studies Canada. 2008. Bird Conservation Regions. www.bsc-eoc.org/organize.html



- Blancher, P. 2003. The Importance of Canada Boreal Forest to Landbirds. Report for the Canadian Boreal Intiative and the Boreal Songbird Initiative. www.borealcanada.ca
- Bluhm, C. 1992. Environmental and Endocrine Control of Waterfowl Reproduction in Ecology and Management of Breeding Waterfowl, Batt et al. ed. 323-364.
- Bogdan, G. F. 1977. Report on a Stream Survey of the Taltson River, NWT in 1972. Technical Report. Department of the Environment, Fisheries and Marine Service, Research and Development.
- Bommer, A. and R. Bruce. 1996. The Current Level of Understanding into the Impacts of Energy Industry Noise on Wildlife and Domestic Animals. Collaboration in Science and Technology (CST), Inc. Proceedings of Spring Environmental Noise Conference, Innovations in Noise Control for the Energy Industry. The 1996 Conference on Environmental Noise Control Engineering. Banff, Alberta, Canada. April 14-16, 1996.
- Boyce, M.S. 1992. Population Viability Analysis. Annual Review of Ecology and Systematics. 23:481-497
- Brown, W.M. and R.C. Drewien. 1991. Marking Power Lines to Reduce Avian Collisions in the San Luis Valley, Colorado. Proceedings of the Sixth North American Crane Workshop, 3-5 October 1991, Regina, Saskatchewan, Canada. D.W. Stahlecker, co.ed.
- Brown, W.M. and R.C. Drewien. 1995. Evaluation of Two Power Line Markers to Reduce Crane and Waterfowl Collision Mortality. Wildlife Society Bulletin 27:217-227.
- Burgman, M.A., D.B. Lindenmayer, and J. Elith. 2005. Managing Land cover for Conservation Under Uncertainty. Ecology 86(8):2007-2017.
- Burgman, M.A., D.B. Lindenmayer, and J. Elith. 2005. Managing Landscapes for Conservation under Uncertainty. Ecology, 86(8), 2007-2017.
- Burt, P.M. 1997. Diavik Diamonds Project. Habitat Descriptions and Plant Species List; Vegetation Baseline Studies. Rankin Inlet, NT; Bathurst Arctic Services, Yellowknife, NT. April 1997.
- CanImage. 2007. Landsat 7 Orthoimages at the 1:50,000 Scale Standards and Specifications for GeoGratis Edition 1.0. Centre for Topographic Information. Available at http://www.ctis.nrcan.gc.ca Accessed on May 13, 2008.
- Chappell, D. E., Van den Bussche, R.A., J. Krizan, and B. Patterson. 2004. Contrasting Levels of Genetic Differentiation among Populations of Wolverines (*Gulo gulo*) from Northern Canada Revealed by Nuclear and Mitochondrial Loci. Conservation Genetics 5:759-767.
- Cooper, J.M., M. Wheately, P.A. Chytyk, A. Deans, C. Holschuh and S.M. Beauchesne. 2004. Potential Impacts on Birds in the Mackenzie Valley from Pipeline Clearings for the Mackenzie Gas Project. Technical Report Series No. 442. Canadian Wildlife Service.
- COSEWIC. (Committee on the Status of Endangered Wildlife in Canada). 2006. Canadian Species at Risk, November 2007. Assessment and Update Status Reports. Committee on



- the Status of Endangered Wildlife in Canada. Ottawa, ON Available at: www.sararegistry.gc.ca. Date Accessed: July 26, 2008.
- COSEWIC. 2007. Canadian Species at Risk, November 2007. Assessment and Update Status Reports. Committee on the Status of Endangered Wildlife in Canada. Ottawa, ON Available at: www.sararegistry.gc.ca. Date Accessed: July 26, 2008. Craighead, F. C, Jr. and D. P. Mindell 1981. Nesting Raptors in Western Wyoming, 1974 and 1975. J. Wildl. Manage. 45: 865-872.
- Craven, S. and J. Ellis. 1982. Assessment of Techniques Used in a 5-year Program of Canada Goose Dispersal. Page 56 in M.A. Johnson (ed.), transactions of the Canada Goose Symposium, 28-29 April, 1982, Bizmarck, N.D. The Wildlife Society, North Dakota Chapter and Central Mountains and Plains Section.
- CSA (Canadian Standards Association). 2006. Canadian Standards Association Standards for Overhead Systems (CSA-C22.3).
- Dahlgren, R.B. and C.E. Korshgen. 1992. Human Disturbances of Waterfowl: an Annotated Bibliography. Resource Publication 188. U.S. Department of the Interior, Fish and Wildlife Service. Washington, D.C.
- De Beers. 2002. Snap Lake Diamond Project Environmental Assessment Report. Prepared by Golder Associates.
- De Beers. 2006. Snap Lake Diamond Project Wildlife Effects Monitoring Program. 2005 Annual Report. Prepared for De Beers Canada Mining Inc. by Golder Associates Ltd., Yellowknife, N.W.T. March 2006.
- De Beers. 2007. Snap Lake Project Wildlife Effects Monitoring Program. 2006 Annual Report. Prepared for De Beers Canada Inc. by Golder Associates Ltd. Yellowknife, NWT. September 2007.
- De Beers. 2008. Snap Lake Mine: Analysis of Environmental Effects on Wildlife, 1997 to 2007. Prepared by Golder Associates Ltd. for De Beers Canada Mining Inc.
- D'Eon, R.G., S.M. Glenn, I. Parfitt, M.-J. Fortin. 2002. Land Cover Connectivity as a Function of Scale and Organism Vagility in a Real Forested Land Cover. Conservation Ecology 6(2): 10. [online] URL: http://www.consecol.org/vol6/iss2/art10
- DFO (Fisheries and Oceans Canada). 2007. Ice Bridges and Snow Fills. Version 3.0. NWT Operational Statement.
- Diavik Diamond Mines Inc. 1998. Diavik Wildlife Baseline Report. 1998. Prepared by Penner and Associates.
- Diavik Diamond Mines Inc. 2005 (DDMI). Wildlife Monitoring Report. Prepared by Golder Associates Ltd.
- Diavik Diamond Mines Inc. 2007. Wildlife Monitoring Report. Prepared by Golder Associates Ltd.



- Diavik Diamond Mines Inc. 2008. Wildlife Monitoring Report. Prepared by Golder Associates Ltd
- Ducks Unlimited Canada. 2004. Canada's Boreal Forest. pp.113.
- EBA (2001)... [wolverine killed on T-to-C winter road in 1996]
- Environment Canada (EC). 2007. Letter to the MVLWB, July 20, 2007. Available on the MVEIRB public registry, www.mveirb.nt.ca
- Environment Canada. 2007. Recovery Strategy for the Whooping Crane (*Grus Americana*) in Canada. Species at Risk Act Recovery Strategy Series. Environment Canada. Ottawa vii+27pp.
- ERBC. 2007. Directive 038: Noise Control Directive. Revised edition, February 16, 2007. N.p.: Energy Resource Conservation Board.
- Everett, K.R. 1980. Distribution and Properties of Road Dust along the Northern Portion of the Haul Road. In J. Brown and R. Berg (eds.). Environmental Engineering and Ecological Baseline Investigations along the Yukon River-Prudhoe Bay Haul Road. U.S. Army Cold Regions Research and Engineering Laboratory, CRREL Report, 80-19: 101-128.
- Faanes, C.A. 1987. Bird Behaviour and Mortality in Relation to Power Lines in Prairie Habitats. U.S. Fish and Wildlife Service. Fish and Wildlife Technology Report 7. 24 pp.
- Fahrig, L. 1997. Relative effects of Habitat Loss and Fragmentation on Population Extinction. Vol. 61, no. 3, pp. 603-610
- Fahrig, L. 2003. Effects of Habitat Fragmentation on Biodiversity. Annual Review of Ecology, Evolution, and Systematics. Vol. 34: 487-515
- Ferris, C.R. 1979. Effects of Interstate 95 on Breeding Birds in Northern Maine. Journal of Wildlife Management 43(2):421-427.
- FHWA. 2006. FHWA-HEP-06-015: FHWA Highway Construction Noise Handbook. N.p.: FHWA. Final Report August 2006.
- Forbes, B.C. 1992. Tundra Disturbance Studies, I: Long-term Effects of Vehicles on Species Richness and Biomass. Environmental Conservation 19(2): 48-58.
- Forbes, B.C., J.J. Ebersole, and B. Strandberg. 2001. Anthropogenic Disturbance and Patch Dynamics in Circumpolar Arctic Ecosystems. Conservation Biology 15(4): 954-969.
- Forbes, Stephen A. 1895. Biennial report of the Director of the Illinois State Laboratory of Natural History, 1893-1894. In the Illinois Fish Commissioners Report for 1892-1894:39-52.
- Forman, R.T.T. and R. D. Deblinger. 2000. The Ecological Road-Effect Zone of a Massachusetts (U.S.A.) Suburban Highway. Conservation Biology 14(1):36-46.



- Gardner, C. L., W. B. Ballard, and R. H. Jessup. 1986. Long Distance Movement by an Adult Wolverine. Journal of Mammalogy 67(3):603.
- Golder (Golder Associates Ltd). 2008b. Analysis of Environmental Effects from the Diavik Diamond Mine on Wildlife in the Lac De Gras Region. Submitted to Diavik Diamond Mines Inc. Submitted by Golder Associates Ltd., Saskatoon, SK. April 2008.
- Golder 1988. Transmission Line Strikes Report from Saskatchwan
- Golder Associates Ltd. 2005. Analysis of Environmental Effects from the Diavik Diamond Mine on Wildlife in the Lac de Gras Region. Prepared for Diavik Diamond Mines Inc. Yellowknife, NWT.
- Golder 2006. Wildlife and Wildlife Habitat Studies along Taltson Expansion Project. Submitted to NWT Energy Corporation. May 2006.
- Golder 2008a Snap Lake Mine: Analysis of Effects on Wildlife 1999 to 2007. Submitted to De Beers Canada Inc. Submitted by Golder Associates Ltd. Calgary, AB July 2008
- Golder. 2008b. Analysis of Environmental Effects from the Diavik Diamond Mine on Wildlife in the Lac De Gras Region. Submitted to Diavik Diamond Mines Inc. Submitted by Golder Associates Ltd., Saskatoon, SK. April 2008.Golder 2008. Terrestrial Effects Scoping For the Taltson Hydroelectric Expansion Project. 134 pp.
- Haber, E. 1997. Guide to Monitoring Exotic and Invasive Plants. Prepared for Ecological Monitoring and Assessment Network Environment Canada by National Botanical Services, Ontario.
- Hansson L., Fahrig L.,, and G.Merriam. 1995. Mosaic Landscapes and Ecological Processes. Springer Publishing. pp 356.
- Hobbs, J.C.A. and J.A. Ledger. 1986. Powerlines, Bird Life and the Golden Mean. Fauna and Flora 44:23-27.
- Hockin, D., M. Ounsted, M. Gorman, D. Hill, V. Keller, and M.A. Barker. 1992. Examination of the Effects of Disturbance on Birds with Reference to its Importance in Ecological Assessments. Journal of Environmental Management 36: 253-286.
- Holthuijzen, A.M.A., W.G. Eastland, A.R. Ansell, M.N. Kochert, R.D. Williams, and L.S. Young. 1990. Effects of Blasting on Behaviour and Productivity of Nesting Prairie Falcons. Wildlife Society Bulletin 18:270-281.
- Houston, C. Stuart, Dwight G. Smith and Christoph Rohner. 1998. Great Horned Owl (*Bubo virginianus*), The Birds of North America Online (A. Poole, Ed.). Ithaca: Cornell Lab of Ornithology.IBA (Important Bird Areas of Canada). 2004. Website, www.ibacanada.com. Accessed September 5, 2008.
- IBA (Important Bird Areas of Canada). 2004. Website, www.ibacanada.com. Accessed 5 September 2008.



- ISO. 1996. ISO 9613: Acoustics: Attenuation of Sound During Propagation Outdoors. Geneva, Switzerland: International Organization for Standardization.
- ITI (Industry, Trade and Tourism). 2007. Fur Harvest Records, 2005 to 2007. Government of the Northwest Territories.
- 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, Itd., Calgary.
- Janss, G.F.E. 2000. Avian Mortality from Power Lines: a Morphologic Approach of a Species-Specific Mortality. Biological Conservation; 95(3): 353-359
- Janss, G.F.E. and M. Ferrer. 2000. Common Crane and Great Bustard Collision with Power Lines: Collision Rate and Risk Exposure. Wildlife Society Bulletin. 28(3):675-680.
- Johnson, C.J., M.S. Boyce, R. Mulders, A. Gunn, R.J. Gau, H.D. Cluff, and R.L. Case. 2004. Quantifying Patch Distribution at Multiple Scales: Applications to Wildlife-habitat Models. Land Cover Ecology 19(8): 869-882.
- Johnson, C.J., M.S. Boyce, R.L. Case, H.D. Cluff, R.J. Gau, A. Gunn, and R. Mulders. 2005. Cumulative Effects of Human Developments on Arctic Wildlife. Wildlife Monographs 160: 4-31.
- Johnson, R. G., and S. A. Temple. 1986. Assessing Habitat Quality for Birds Nesting in Fragmented Tallgrass Prairies. Pp. 245-249 in Modeling Habitat Relationships of Terrestrial Vertebrates (J. Verner, M. L. Morrison, and C. J. Ralph, eds). University of Wisconsin Press, Madison.
- Korschgen, C.E., George, L.S, and W.L. Green. 1985. Disturbance of Diving Ducks by Boaters on a Migrational Staging Area. Wildlife Society Bulletin. 13:290-296.
- Kroodsma, R. L.. 1982. Edge Effect on Breeding Forest Birds along a Power-line Corridor. Journal of Applied Ecology. 19: 361-370.
- Lee, J.M. 1978. Impacts of Transmission Lines on Birds in Flight: Proceedings of a Workshop.

  M.L. Avery ed. Oak Ridge Associated Universities, Oak Ridge, Tennessee. January 31

   February 2, 1978. U.S. Fish and Wildlife Service, Biological Services Program.
- Lehman, R.N., P.L. Kennedy and J.A. Savidge. 2007. The State of the Art in Raptor Electrocution Research: A Global Review. Biological Conservation 136:159-174.
- LGL Limited Environmental Research Associates. 2005. Best Management Practices for Raptor Conservation during Urban and Rural Land Development in British Columbia. Prepared for B.C. Ministry of Environment, Ecosystem Standards and Planning, Biodiversity Branch.
- Lihu, X., Juanjian, L., Chunfu, T., and H. Wenshan. 2007. Foraging Area and Hunting Technique Selection of Common Kestrel in Winter: the Role of Perch Sites. Acta Ecologica Sinica 27(6): 2160-2166.



- Machtans, C.S. 2006. Songbird Response to Seismic Lines in the Western Boreal Forest: a Manipulative Experiment. Canadian Journal of Zoology. 84:1421-1430.
- Mack, G.G. 2003. Variation in Mallard Home Range and Composition in the Prairie Parkland Region of Canada: Correlates and Consequences for Breeding Females. MSc Thesis. University of Saskatchewan.
- Malcolm, J.M. 1982. Bird Collisions with a Power Transmission Line and Their Relation to Botulism at a Montana Wetland. Wildlife Society Bulletin, Vol.10 (4): 297-304.
- May, R., A. Landa, J. van Dijk, J.D.C. Linnell, and R. Andersen 2006: Effect of Infrastructure on Habitat Selection of Wolverines (*Gulo gulo*) Wildlife Biology 12:285–295.
- McGarigal, K and S.A. Cushman. 2002. Comparative Evaluation of Experimental Approaches to the Study of Habitat Fragmentation. Ecological Applications. 2002. 12(2). 335-345.
- McGarigal, K.; McComb, W.C. 1995. Relationships between landscape structure and breeding birds in the Oregon Coast Range. Ecological monographs 65(3):235-260.
- McLoughlin, P.D., and F. Messier. 2001. The Demography of Barren-ground Grizzly Bears (*Ursus arctos*) in Nunavut and the Northwest Territories, Canada. Report to the Government of the Northwest Territories, Yellowknife, NT. 80 pp.Merrill, S.B. and C.R. Erickson. 2003. A GPS-based Method to Examine Wolf Response to Loud Noise. Wildlife Society Bulletin 31(3):769-773.
- MGP. 2004. Environment Impact Statement for the Mackenie Gas Pipeline Project, Volume 3, Part A, Section 3. N.p.: Volume 3, Part A, Section 3. Mackenzie Gas Project submitted to the Mackenzie Valley Review Board August, 2004.
- Milsom, T.P., S.D. Langton, W.K. Parkin, S. Peel, J.D. Bishop, J.D. Hart and N.P. Moore. 2000. Habitat Models of Bird Species' Distribution: an Aid to the Management of Coastal Marshes. Journal of Applied Ecology 37: 706:727.
- Mulders, R. 2000. Wolverine Ecology, Distribution and Productivity in the Slave Geological Province. Final Report. Submitted to the West Kitikmeot/Slave Study Society.
- MVEIRB (Mackenzie Valley Environmental Effect Review Board). 2008a. TOR for the Taltson Hydroelectric Expansion Project Developer's Assessment Report. NWT.
- MVEIRB 2008b. Draft Guidelines for Assessing Impacts to Species At Risk
- MVEIRB 2008c. scoping document
- MVLWB 2007. permit application feedback
- National Geographic Society. 1983. Field Guide to the Birds of North America. National Geographic Society, Washington, DC.
- National Geographic Society. 1983. Field Guide to the Birds of North America. National Geographic Society, Washington, DC.



- Niemi, G.J. and J. M. Hanowski. 1984. Effects of a transmission line on bird populations in the Red Lake Pealtland, northern Minnesota. The Auk 101: 487-498.
- NUS Corporation. 1979. Impacts of Overhead Wires on Birds: a Review. Unpublished Report. Prepared for the Electric Power Research institute, Palo Alto, California.
- Olson P.D. and J. Olson. 2003. Whooping Crane Potential Habitat Mapping Project. Report prepared by Olson and Olson Planning & Design Consultants Inc. for Parks Canada and Canadian Wildlife Service. Ottawa, Ontario.
- Ontiveros, D., Pleguezuelos, J.M. and J. Caro. 2005. Prey Density, Prey Detectability and Food Habits: the Case of Bonelli's Eagle and the Conservation Measures. Biological conservation 123(1): 19-25.
- Penner & Associates. 1998. Wildlife Baseline Report, Diavik Diamonds Project, Lac de Gras, NT. Prepared for Diavik Diamond Mine Inc. by Penner & Associates Ltd.
- Poole, K.G. 1985. Artificial Nesting Platforms for Osprey near Yellowknife, NWT. NWT Renewable Resources File Report No. 50. Government of the N.W.T., Rescan. 2004. Taltson Hydro Expansion Project 2003 Baseline Report. Prepared by Rescan Environmental Services for the NWT Power Corporation. 465 pp.
- Prince, H.H., G.A. Dawson, P.J. Rusz, and R.D. Rusz. 1986. Bird collisions with Transmission Lines Near a Power Plant Cooling Pond. Wildlife Society Bulletin, Vol 14(4):441-44.
- Reimers, E., B. Dahle, S. Eftestøl, J.E. Colman and E. Gaare. 2007. Effects of a Power Line on Migration and Range Use of Wild Reindeer. Biological Conservation, Volume 134, Issue 4, Pages 484-494
- Rescan. 2004. Taltson Hydro Expansion Project 2003 Baseline Report. Prepared by Rescan Environmental Services for the NWT Power Corporation. 465 pp.
- SARA (Species at Risk Act). 2008. Species At Risk Public Registry website, http://www.sararegistry.gc.ca/default\_e.cfm. Accessed on August 7, 2008.
- Simons, Theodore R.; Rabenold, Kerry N.; Buehler, David A.; Collazo, Jaime A.; Franzreb, Kathleen E 1999. The Role of Indicator Species: Neotropical Migratory Song Birds. Ecosystem Management for Sustainability: Principles and Practices Illustrated by a Regional Biosphere Reserve Cooperative. Boca Raton, FL: CRC Press, Lewis Publishers: 187-208
- Small, S. 2006. Conservation and Ecology of Breeding Landbirds in a Riparian Restoration Context. Ph.D. Thesis. University of Missouri-Columbia. 111 pp.
- Smallwood, John A. and David M. Bird. 2002. American Kestrel (*Falco sparverius*), The Birds of North America Online (A. Poole, Ed.). Ithaca: Cornell Lab of Ornithology.
- Smith, A.C., J.A. Virgl, D. Panayi, and A. R. Armstrong. 2005. Effects of a Diamond Mine on Tundra-breeding Birds. Arctic 58(3): 295-304.



- Smith, J.C. 1985. Perching and Roosting Patterns of Raptors on Power Transmission Towers in Southeast Idaho and Southwest Wyoming. Raptor Research 19(4): 135-138.
- Spellerberg, I. 2002. Ecological Effects of Roads and Traffic: a Literature Review. Global Ecology and Biogeography 7(5): 317 333.
- Stout, I.J. and G.W. Cornwall. 1976. Nonhunting Mortality of Fledged North American Waterfowl. Journal of Wildlife Management, 40(4):681-693.
- Sutherland, G. D, A. S. Harestad, K. Price, and K. P. Lertzman. 2000. Scaling of Natal Dispersal Distances in Terrestrial Birds and Mammals. Conservation Ecology 4: 1-16. [online] URL: http://www.consecol.org/vol4/iss1/art16
- Tahera Diamond Corporation. 2007. Jericho Diamond Project 2006 Wildlife Monitoring Program Data Summary. Prepared by Golder Associates Ltd.
- T-C Joint Venture. 2008. Tibbitt to Contwoyto Winter Road Joint Venture website, http://jvtcwinterroad.ca/
- Teshmont. 2008. Taltson Transmission Expansion Project. Transmission Alternatives Study. Prepared by Teshmont Consultants LP for Deze Energy Corp.
- Thomas, K., R.G. Kvitek, and C. Bretz. 2002. Effects of Human Activity on the Foraging Behaviour of Sanderlings Calidris alba. Biological Conservation 109(1): 67-71.
- Tyhee NWT Corporation (Tyhee). 2008. Yellowknife gold project. Available at: http://www.mveirb.nt.ca/upload/project\_document/1220391508\_Tyhee\_20Corp\_Yellowknife Gold Project Executive Summary.pdf; July.
- URS Corporation. 2005. Estimates of Bird mortality Associated with Transmission Lines.

  Prepared for the New York Power Authority. Niagara Power Project FERC No. 2216.
- USDA. 2006. USDA Forest Service Invasive Species Program Website.
- USFWS. 2008. Waterfowl Breeding Population and Habitat Survey for Northern Alberta, Northeastern British Columbia, and the Northwest Territories (Mackenzie District). Available from www.fws.gov/migratorybirds/reports/WPS08/NWT.pdf
- Vistnes, I. and C. Nellemann. 2001. Avoidance of Cabins, Roads and Powerlines by Reindeer during Calving. Journal of Wildlife Management 65:915-925.
- Walker D.A. and K.R. Everett. 1987. Road Dust and Its Environmental Effect on Alaskan Taiga and Tundra. Arctic and Alpine Research 19(1): 479-489.
- Walker, D.A. and K.R. Everett. 1991. Loess Ecosystems of Northern Alaska: Regional Gradient and Toposequence at Prudhoe Bay. Ecological Monographs, 61(4): 437-464.
- Walther, G., E. Post, P. Convoy, A. Menzel, C. Parmesan, T. Beebee, J.M. Fromentin, O. Hoegh-Guldberg, and F. Bairlein. Nature 416: 389-395.



- Walther, G., R. Post, E. Convey, P. Menzel, A. Parmesan, C. Beebee, T. J. C. Fromentin, J.-M. Hoegh-Guldberg, O. Bairlein, F. 2002. Ecological Responses to Recent Climate Change. Nature 416, 389-395.
- Ward, D.H. and R.S. Stehn. 1989. Response of Brant and Other Geese to Aircraft Disturbance at Izembek Lagoon, Alaska. U.S. Fish and Wildlife Service, Alaska Fish and Wildlife Research Center. Final Report to the Minerals Management Service. Anchorage, AK.
- Widen, P. 1994. Habitat Quality for Raptors: a Field Experiment. Journal of Avian Biology 25: 219–223.
- Williams, C.S., and M.C. Nelson. 1943. Canada Goose Nests and Eggs. Auk 60:341-345.
- Williams, C.S. and C.A. Sooter 1940. Canada goose Habitats in Utah and Oregon. Transcriptions of the North America Wildlife Conference 5: 383-387
- Williams, C.W., and W.H.Marshall. 1937. Evaluation of Nesting Cover for Waterfowl on Bear River Refuge. Transcriptions of the North American Wildlife Conference 3:640-646.
- Willard, D. E., J. T. Harris, and M. J. Jaeger. The impact of a proposed 500 kV transmission line on waterfowl and other birds. A report for the Public Utility Commissioner of Oregon, Salem
- Wilson, G. M., and Van den Bussche, R.A. 2000. Genetic Variability of Wolverines (*Gulo gulo*) from the NWT, Canada: Conservation Implications. Journal of Mammalogy 81(1):186.
- Wilson, G.M, R.A. Van Den Bussche, P.K. Kennedy, A. Gunn, and K. Poole. 2000. Genetic Variability of Wolverines (*Gulo gulo*) from the NWT, Canada: Conservation Implications. Journal of Mammology 81(1):186-196.
- With, K.A. and T,O. Crist. 1995. Ecology Critical Thresholds in Species Responses to Landscape Structure. Ecology 78: 2446-2449.
- Wolff, J.O., Fox, T., Skillen, R.R., and G. Wang. 1999. The effects of Supplemental Perch Sites on Avian Predation and Demography of Vole Populations. Canadian Journal of Zoology 77: 535–541.
- Working Group on General Status of NWT Species. 2006. NWT Species 2006 2010 General Status Ranks of Wild Species in the NWT, Department of Environment and Natural Resources, Government of the NWT, Yellowknife, N.W.T. III pp.
- Wright, J. D., and J. Ernst. 2004. Wolverine, Gulo gulo luscus, Resting Sites and Caching Behaviour in the Boreal Forest. Canadian Field-Naturalist 118(1):61-64.
- Wu, J. and D. Marceau. 2002. Modeling Complex Ecological Systems: an Introduction. Ecological Modelling. 153(1-2):1-6.
- Ziemann, J. 2007. Tibbitt Lake to Contwoyto Winter Road Monitoring Station Report. Accessed May 2008 from: www.nwtwildlife.com.

Personal Communications



- Acton, S. Department of Environment and Natural Resources, Government of the NWT. Personal communication, 3 November 2008.
- Atatahak, G. 2008, Wildlife Officer, Government of Nunavut. Personal communication.
- Madsen, Erik. Director, Winter Road Operations. Tibbitt to Contwoyto Winter Road Joint Venture. Email communication on August 18, 2008.

#### SECTION 15.5. ACCESS

- Cluff, H.D. 2004. North Slave Region Moose Surveys Poster. Available at www.nwtcimp.ca/. Accessed 18 September 2008.
- Cluff, H.D. 2005. Survey of moose abundance in the boreal forest around Rae-Edzo, Northwest Territories. Final Report to the Northwest Territories Cumulative Impact Monitoring Project, Yellowknife, NT Canada.
- CSA (Canadian Standards Association). 2006. Canadian Standards Association Standards for Overhead Systems (CSA-C22.3).
- DFO (Fisheries and Oceans Canada). 2005. Protocol for Winter Water Withdrawal in the Northwest Territories. Fisheries and Oceans Canada. Current as of January 31, 2005.
- DFO (Fisheries and Oceans Canada). 2007a. Ice Bridges and Snowfills. Northwest Territories Operational Statement Version 3.0. Fisheries and Oceans Canada.
- DFO (Fisheries and Oceans Canada). 2007b. Overhead Line Construction. Northwest Territories Operational Statement Version 3.0.. Fisheries and Oceans Canada.
- DOT (Department of Transportation). 2008. Department of Transportation, Government of the Northwest Territories, website www.dot.gov.nt.ca/\_live/pages/roadreportsHistory /Ferry Providence.pdf. Accessed on 18 September 2008.
- ENR (Environment and Natural Resources). 2007a. Letter from Environment and Natural Resources, Government of the Northwest Territories to the Mackenzie Valley Land and Water Board, regarding the Taltson Project land use permit application. Dated July 20, 2007
- ENR. 2007b. Summary of Hunting Regulations. Department of Environment and Natural Resources, Government of the Northwest Territories. Accessed from www.nwtwildlife.com/hunting/default.htm
- ERCB (Energy Resources Conservation Board). 2007. Directive 038: Noise Control. February 16, 2007. www.ercb.ca
- 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 the Canadian Association of Petroleum Producers. 354 pp.
- James A, Stuart-Smith A. 2000. Distribution of Caribou and Wolves in Relation to Linear Corridors. Journal of Wildlife Management; 64(1):154.



- Mackenzie Valley Environmental Impact Review Board (MVEIRB). 2008. Terms of Reference for the Taltson Hydroelectric Expansion Project Developer's Assessment Report. March 28, 2008.
- Mainstream Aquatics Ltd. 2005. Review of Ice Road Travel Noise-related Impacts on Fish. Prepared for the Tahera Diamond Corporation.
- Rescan. 2004. Taltson Hydro Expansion Project 2003 Baseline Report. Prepared by Rescan Environmental Services Ltd. For the Northwest Territories Power Corporation. April 2004.
- Transport Canada. 2005. Aerodrome Standards and Recommended Practices (TP 312). Available at www.tc.gc.ca/CivilAviation/publications/tp312/menu.htm. Accessed 18 September 2008.
- Transport Canada. 2008. The Navigable Waters Protection Act: Winter Crossings Brochure. TP 14590. Available at www.tc.gc.ca/MarineSafety/.
- Ziemann, J. 2007. Tibbitt to Contwoyto Winter Road Monitoring Station Report. Department of Environment and Natural Resources, Government of the Northwest Territories.

  Manuscript Report No. 173. Yellowknife, Northwest Territories.

## SECTION 15.6. CLIMATE AND AIR QUALITY

- Environment Canada. 2008a. Canada's Greenhouse Inventory 2006, A Summary of Trends. Accessed September, 2008, from http://www.ec.gc.ca/pdb/ghg/inventory\_report/2006/tab\_eng.cfm
- Environment Canada. 2008b. National Inventory Report 1990-2006. N.p.: Environment Canada.
- Terriplan Consultants. 2006. Energy and Emissions Baseline (revised): Prepared for the City of Yellowknife Community Energy Planning Committee

## Section 15.7. Effects to Key Furbearing Species and Ungulates

- Aleksiuk, M. 1986. Hinterland Who's Who: Muskrat. Accessed October 14, 2008, from http://www.hww.ca/hww2.asp?id=96
- Andersen, R., Linnell, J. D., & Langvatn, R. 1996. Short Term Behavioural and Physiological Response of Moose Alces alces to Military Disturbance in Norway. Biol Conservat, 77, 179-176.
- Andrén, H. 1994. Effects of Habitat Fragmentation on Birds and Mammals in Landscape with Different Proportions of Suitable Habitat- A Review. Oikos, 71(3), 355-366.
- Andrén, H. 1999. Habitat Fragmentation, the Rand Sample Hypothesis, and Critical Thresholds. Habitat Fragmentation, the Rand Sample Hypothesis, and Critical Thresholds, 84(2), 306-308
- Auerbach, N. A., Walker, M. D., & Walker, D. A. 1997. Effects of Roadside Disturbance on Substrate and Vegetation Properties in Arctic Tundra. Ecol Appl, 7, 218-235.



- Banfield, A. W. F. 1974. The Mammals of Canada. Toronto: University of Toronto Press.
- BCTC. 2008. Interior to Lower Mainland Transmission Project Environmental Assessment Certificate Application. N.p.: British Columbia Transmission Corporation submitted to the British Columbia Environmental Assessment Office on November 13, 2008.
- Bergerud, A. T., Jakimchuk, R. D., & Carruthers, D. R. 1984. The Buffalo of the North: Caribou (*Rangifer tarandus*) and Human Developments. Arctic, 37, 7-22.
- BIPR. 2008. Bathurst Inlet Port and Road Project website. Accessed November, 2008, from www.nunalogistics.com/projects/clients/bathurst/index.html
- Bromley, M., & Buckland, L. 1995. Biological Information for the Slave Geological Province. Yellowknife, NWT: Department of Renewable Resources, Government of the Northwest Territories, Report 83.
- CanImage. 2008. Landsat 7 Orthoimages at the 1:50 000 Scale: Available from GeoGratis, www.geogratis.ca.
- Clayton, D. A. 2000. Space-use, Diet, Demographics, and Topographic Associations of Lynx in the Southern Canadian Rocky Mountains: a study. In L. F. Ruggiero & K. B. Aubry (Eds.), Ecology and Conservation of Lynx in the United States. Boulder, CO: University Press of Colorado.
- Cluff, H. D. 2004. North Slave Region Moose Surveys Poster. Accessed 18 September 2008, from www.nwtcimp.ca/projectlist.html#wildlife
- Cluff, H. D. 2005. Survey of Moose Abundance in the Boreal Forest around Rae-Edzo, Northwest Territories. Yellowknife, NWT: Final Report to the Northwest Territories Cumulative Impact Monitoring Project.
- D'Eon, R. G., Glenn, S. M., Parfitt, I., & Fortin, M. J. 2002. Landscape Connectivity as a Function of Scale and Organism Vagility in a Real Forested Landscape. Conservat Ecol, 6(2), 10.
- De Beers. 2006. Snap Lake Diamond Project Wildlife Effects Monitoring Program. Yellowknife, NWT: Prepared for De Beers Canada Mining Inc. by Golder Associates Ltd.
- De Beers. 2007. Snap Lake Project Wildlife Effects Monitoring Program: 2006 Annual Report. Yellowknife, NWT: Prepared for De Beers Canada Inc. by Golder Associates Ltd.
- De Beers. 2008. Snap Lake Mine: Analysis of Environmental Effects on Wildlife, 1997 to 2007. N.p.: Prepared by Golder Associates Ltd. for De Beers Canada Mining Inc.
- EBA. 2001. Tibbitt to Contwoyoto Winter Road Project Description Report. Accessed July 16, 2008, from http://www.miningnorth.com/projects/Project\_Description\_Report/TableContents.pdf.
- EBA. 2002. Tibbitt to Contwoyto Road Ecological Land Classification. N.p.: Prepared for the Tibbitt to Contwoyto Winter Road Joint Venture by EBA.



- Eccles, R., & Duncan, J. 1986. Wildlife Monitoring Studies along the Norman Wells-Zama oil Pipeline, April 1985 May 1986. Calgary, AB: Prepared by LGL Limited Environmental Research Associates for Interprovincial Pipeline (NW) Ltd.
- Echo Bay. 2000. Winter Road Rules and Regulations. N.p.: Echo Bay Mines Ltd.
- ERBC. 2007. Directive 038: Noise Control Directive. Revised edition, February 16, 2007. N.p.: Energy Resource Conservation Board.
- Everett, K. R. 1980. Distribution and Properties of Road Dust along the Northern Portion of the Haul Road. In J. Brown & R. Berg (Eds.), Environmental Engineering and Ecological Baseline Investigations along the Yukon River-Prudhoe Bay Haul Road (pp. 101-128).
- Fahrig, L. 1997. Relative Effects of Habitat Loss and Fragmentation on Population Extinction. J Wildl Manag, 61(3), 603-610.
- FHWA. 2006. FHWA-HEP-06-015: FHWA Highway Construction Noise Handbook. N.p.: FHWA. Final Report August 2006.
- Forbes, B. C. 1995. Tundra Disturbance Studies. 3. Short-term Effects of Aeolian Sand and Dust, Yamal Region, Northwest Siberia. Environ Conservat, 22(4), 335-344.
- Forsey, E. S., & Baggs, E. M. 2001. Winter Activity of Mammals in Riparian Zones and Adjacent Forest Prior to and Following Clear-cutting at Copper Lake, Newfoundland, Canada. Forest Ecol Manag, 145, 163-171.
- GNWT. 1999. Wildlife General Regulations: Part II of the Northwest Territories Gazette. Yellowknife, NWT: Territorial Printer, Northwest Territories.
- GNWT. 2008. Department of Transportation (DOT), Government of the Northwest Territories website. Accessed 18 September 2008, from www.dot.gov.nt.ca
- Golder. 2007. Wildlife Mitigation and Monitoring Plan for the Jericho Diamond Project. Annual Report. Yellowknife, NWT: Prepared for Tahera Diamond Corporation by Golder Associates Ltd.
- Golder. 2008. Wildlife Monitoring Report. N.p.: Prepared for Diavik Diamond Mines Inc. by Golder Associates Ltd.
- Gray, D. R. 1972. Winter Research on the Muskox (*Ovibos moschatus Wardi*) on Bathurst Island, 1970-71. Ottawa, ON: Prepared for the Canadian Wildlife Service.
- Hargis, C. D., Bissonette, J. A., & Turner, D. L. 1999. The Influence of Forest Fragmentation and Landscape Pattern on American marten. J Appl Ecol, 36, 157-172.
- Horejsi, B. L. 1979. Seismic Operations and their Impact on Large Mammals: Results of a Monitoring Program. Calgary, AB: Western Wildlife Environments. Mobil Oil Canada Ltd.
- ISO. 1996. ISO 9613: Acoustics: Attenuation of Sound During Propagation Outdoors. Geneva, Switzerland: International Organization for Standardization.



- ITI (Industry, Trade and Tourism). 2007. Fur harvest records, 2005 to 2007. Government of the Northwest Territories.
- Jalkotzy, M. G., Ross, P. I., & Nasserden, M. D. 1997. The Effects of Linear Developments on Wildife: A Review of Selected Scientific Literature. Calgary, AB: Prepared for the Canadian Association of Petroleum Producers by Arc Wildlife Services Ltd.
- James, A. R., & Stuart-Smith, A. K. 2000. Distribution of Caribou and Wolves in Relation to Linear Corridors. J Wildl Manag, 64, 154-159.
- James, A. R. C. 1999. Effects of Industrial Development on the Predator-Prey Relationship Between Wolves and Caribou in Northeastern Alberta. (Ph.D. thesis, University of Alberta).
- Keith, L. B. 1993. Hinterland Who's Who: Canada Lynx. Accessed October 14, 2008, from http://www.hww.ca/hww2.asp?id=84
- Koehler, G. M., Moore, W. R., & Taylor, R. A. 1975. Preserving the Pine Marten; Management Guidelines for Western Forests. West Wild, 2, 31-36.
- Łutsel K'e Dene Elders and Land-Users, Ellis, S., Marlowe, E., Catholique, M., Enzoe, G., Enzoe, D., et al. 2005. Ni hat'ni Watching the Land: Results and Implications of 2003-2005 Monitoring Activities in the Traditional Territory of the Łutsel K'e Denesoline. N.p.: Final Report Complete. Submitted to the WKSS.
- Marchand, M. M., & Litvaitis, J. A. 2004. Effects of Landscape Composition, Habitat Features, and Nest Distribution on Predation Rates of Simulated Turtle Nests. Biol Conservat, 117(3), 243-251.
- McCourt, K. H., Feist, J. D., Doll, D., & Russell, J. J. 1974. Disturbance Studies of Caribou and Other Mammals in the Yukon and Alaska, 1972. N.p.: Renewable Resources Consulting Services Ltd. Canadian Arctic Gas Study Ltd. Biological Report Series 5:1-245.
- McLaren, M. A. 1981. A Study of Muskox Behaviour and Distribution during Early Rut on Eastern Melville Island, August 1981. Yellowknife, NWT: Unpublished report prepared for Arctic Pilot Project by LGL Ltd., Toronto. Available from Library Renewable Resources, Government of the NWT.
- McLaren, M. A., & Green, J. E. 1985. The Reactions of Muskoxen to Snowmobile Harassment. Arctic, 38(3), 188-193.
- Meininger, C. A., & Spatt, P. D. 1988. Variations of Tardigrade Assemblages in Dust-impacted Arctic Mosses. Arctic Alpine Res, 20(1), 24-30.
- MGP. 2004. Environment Impact Statement for the Mackenie Gas Pipeline Project, Volume 3, Part A, Section 3. N.p.: Volume 3, Part A, Section 3. Mackenzie Gas Project submitted to the Mackenzie Valley Review Board August, 2004.
- Miller, F. L., & Gunn, A. 1979. Responses of Peary Caribou and Muskoxen to Helicopter Harassment. Yellowknife, NWT: Environment Canada, Canadian Wildlife Service. Occasional Paper Number 40.



- Miller, F. L., & Gunn, A. 1980. Behavioural Responses of Muskox Herds to Simulation of Cargo Slinging by Helicopter, Northwest Territories. Canadian Field Naturalist, 94, 52-60.
- Mönkkönen, M., & Reunanen, P. 1999. On Critical Threshold in Landscape Connectivity: a Management Perspective. Oikos, 84(2), 302-305.
- Morgantini, L. E. 1984. Pipelines and Wildlife: a Wildlife Monitoring Program during the Construction of the Hanlan-Blackstone and the Brazeau Pipelines. N.p.: Prepared by Wildlife Resources Consultants Ltd. for Canterra Energy Ltd.
- Mowat, G., Poole, K. G., & O'Donoghue, M. 2000. Ecology of Lynx in Northern Canada and Alaska. In L. F. Ruggiero, K. B. Aubry, S. W. Buskirk, G. M. Koehler, C. J. Krebs, K. S. McKelvey & J. R. Squires (Eds.), Ecology and Conservation of Lynx in the United States (pp. 265-306). Boulder, CO: University Press of Colorado.
- MVEIRB. 2004. Mackenzie Valley Environmental Effect Review Board. Environmental Effect Assessment Guidelines. N.p.: MVEIRB.
- MVEIRB. 2008. Terms of Reference for the Taltson Hydroelectric Expansion Project Developer's Assessment Report. N.p.: MVEIRB.
- MVLWB. 2007. Public Registry website for the Taltson Expansion Project (MV2007L4-0029). Accessed 2 June 2008, from http://www.mvlwb.ca/mv/Registry.aspx
- Parker, G. R. 1981. Winter Habitat Use and Hunting Activities of Lynx (*Lynx canadensis*) on Cape Breton Island, Nova Scotia, Frostburg, Maryland, USA.
- Potvin, F., Courtois, R., & Belanger, L. 1999. Short-term Response of Wildlife to Clear-cutting in Quebec Boreal Forest: Multiscale Effects and Management Implications. Can J Forest Res, 29, 1120-1127.
- Rescan. 2000. Water Effects Monitoring Program: Aerial Beaver Survey. Vancouver: Prepared for the Northwest Territories Power Corporation by Rescan Environmental Services Ltd.
- Rescan. 2001. Water Effects Monitoring Program: Aerial Muskrat Survey. Vancouver: Prepared for the Northwest Territories Power Corporation by Rescan Environmental Services Ltd.
- Rescan. 2004. Taltson Hydro Expansion Project: 2003 Baseline Report. Yellowknife, NWT: Prepared for the Northwest Territories Power Corporation by Rescan Environmental Services Ltd.
- Rescan. 2007. Ekati Diamond Mine 2006 Wildlife Effects Monitoring Program. Vancouver: Prepared for BHP Billiton Diamonds Inc. by Rescan Environmental Services Ltd.
- Rescan. 2008. Taltson River Basin Model for Proposed Power Plant Upgrades (draft report).

  Vancouver: Prepared for Dezé Energy Corporation by Rescan Environmental Services Ltd.
- Riewe, R. R. (Writer) 1981. Changes in Eskimo Utilization of Arctic Wildlife, International Biological Programme Series.



- Robitaille, J. F., & Aubry, K. 2000. Occurrence and Activity of American Marten Martes Americana in Relation to Roads and Other Routes. Acta Therioloigca, 45, 197-143.
- Soutiere, E. C. 1979. Effects of Timber Harvesting on Marten in Maine. J Wildl Manag, 43, 850-860.
- Spatt, P. D., & Miller, M. C. 1981. Growth-conditions and Vitality of Sphagnum in a Tundra Community along the Alaska-Pipeline-Haul Road. Arctic, 34(1), 48-54.
- Steventon, J. D., & Major, J. T. 1982. Marten Use of Habitat in Commercially Clear-cut Forest. J Wildl Manag, 46, 175-182.
- Sutherland, G. D., Harestad, A. S., Price, K., & Lertzman, K. P. 2000. Scaling of Natal Dispersal Distances in Terrestrial Birds and Mammals. Conservat Ecol, 4(1), 16.
- Tibbitt-to-Contwoyto Winter Road Joint Venture. 2008. Tibbitt-to-Contwoyto Winter Road Joint Venture website. Accessed February, 2008, from http://jvtcwinterroad.ca/
- Treweek, J. 1999. Ecological Impact Assessment. Oxford: Blackwell Science.
- Trombulak, S., & Frissell, C. 1999. Review of Ecological Effects of Roads on Terrestrial and Aquatic Communities. Conservat Biol, 14(1), 8-30.
- Trottier, G. 2003. Hinterland Who's Who: Beaver. Accessed 14 October 2008, from http://www.hww.ca/hww2.asp?id=84
- Underhill, J. E., & Angold, P. G. 2000. Effects of Roads on Wildlife in an Intensively Modified Landscape. Environ Rev, 8(21), 39.
- Walker, D. A., & Everett, K. R. 1987. Road Dust and its Environmental Impact on Alaskan Taiga and Tundra, Arctic Antarc Alpine Res (Vol. 19, pp. 4).
- Walker, D. A., & Werbe, N. 1980. Dust Impacts on Vegetation. In J. Brown & R. L. Berg (Eds.), Environmental Engineering and Ecological Baseline Investigations along the Yukon River-Prudhoe Bay haul road (pp. 126-127). N.p.: U.S. Army Cold Regions Research and Engineering Laboratory, CRREL Report, 80-19.
- Westworth, D. A. 1980. Effects of Seismic Activity on the Behaviour and Activity of Muskrats on the MacKenzie Delta. Ottawa: Prepared for the Department of Indian Affairs and Northern Development, Northern Affairs Program.
- With, K. A. 1997. The Application Of Neutral Landscape Models in Conservation Biology. Conservat Biol, 11(5), 1069-1080.
- With, K. A., & Crist, T. O. 1995. Critical Thresholds in Species Responses to Landscape Structure. Ecology, 76(8), 2446-2459.
- Woo, M. K. 1984. Simulating the Effects of Dust on Arctic Snowmelt. Paper presented at the Fifth Northern Research Basins Symposium: the Role of Snow and Ice in Northern Basin Hydrology. Vierumaki: Finland.



- Wooley, D. R. 1974. Beaver (*Castor canadensis*) studies in the MacKenzie Valley, 1972. In R. A. Rutan & D. R. Wooley (Eds.), Chapter II, Studies of Furbearers associated with Proposed Pipeline Routes in the Yukon and Northwest Territories. N.p.: Renewable Resources Consulting Services Ltd. Arctic Gas, Biological Report Series, Vol. 9.
- Working Group on General Status of NWT Species. 2006. NWT species 2006 2010 General Status Ranks of Wild Species in the Northwest Territories. Yellowknife, NWT: Department of Environment and Natural Resources, Government of the Northwest Territories

#### SECTION 15.8. SHORT- AND LONG-TERM TRAINING AND EMPLOYMENT

- Aurora College. 2008. Aurora College Program Calendar 2008-2009. Accessed September 18, 2008, from http://www.auroracollege.nt.ca/programs/calendar.aspx
- Déze, Cambria Gordon, & Solstice Consulting Services. 2007. Taltson Hydroelectric Expansion Project: Project Description in Support of the MVLWB Land and Water Application. Yellowknife, NWT: Déze Energy Corporation, Cambria Gordon Ltd., and Solstice Consulting Services Ltd.
- GNWT. 2007. Resource development impacts: Updated Estimates of the Cumulative Impact of Resource Development on GNWT Operational Expenditures. Yellowknife: Government of the Northwest Territories.
- GNWT Bureau of Statistics. 2007. Summary of NWT Community Statistics. Accessed September 8, 2008, from http://www.stats.gov.nt.ca
- GNWT Bureau of Statistics. 2008. Summary of NWT Income Statistics. Accessed September 17, 2008, from http://www.stats.gov.nt.ca/statsinfo.html
- GNWT DECE. 2004. NWT Labour Market (poster). Accessed September 14, 2008, from http://www.ece.gov.nt.ca/Divisions/CollegeCareerDevelopment/index.htm
- GNWT DECE. 2006. NWT job futures. Yellowknife, NWT: Government of the Northwest Territories.
- GNWT Department of Industry Tourism and Investment. 2007. Communities and diamonds 2006 annual report. Accessed September 6, 2008, from http://www.gov.nt.ca/research/publications/index.html
- GNWT DHSS. 2008. The 2006 Northwest Territories Addictions Report. Accessed October 30, 2008, from www.hlthss.gov.nt.ca/english/publications

#### Section 15.9. Regional Economic Development

- Abel, K. 1993. Drum Songs: Glimpses of Dene History. McGill-Queen's, Kingston and Montreal. Obtained from the Community Profile prepared by the UMA Group for use by study area communities in the Diavik Diamond Mines Comprehensive Study, 1998.
- Dene Nation, 1984. Denendeh: A Dene Celebration. Dene National Office, Yellowknife. Obtained from the Community Profile prepared by the UMA Group for use by study area communities in the Diavik Diamond Mines Comprehensive Study, 1998.



- Department of Education, Culture and Employment, Government of the Northwest Territories 2004. NWT Labour Market (poster). Retrieved September 14, 2008 from <a href="http://www.ece.gov.nt.ca/Divisions/CollegeCareerDevelopment/index.htm">http://www.ece.gov.nt.ca/Divisions/CollegeCareerDevelopment/index.htm</a>
- Dezé Energy Corporation Ltd. Economic Impact Study of the Expansion of the Taltson Hydroelectric Facility. Prepared by Terra-Firma Consultants, August 2008; updated November 2008.
- EBA Engineering Consultants Ltd., 2007. An Overview of Strategic Transportation Options to Supplement the Tibbitt to Contwoyto Winter Road, prepared for the Tibbitt to Contwoyto Winter Road Joint Venture. February 2007.
- Fumoleau, R., 1973. As Long as this Land Shall Last. McClelland and Stewart, Toronto. Obtained from the Community Profile prepared by the UMA Group for use by study area communities in the Diavik Diamond Mines Comprehensive Study, 1998.
- GNWT. 2006 Census Data. Retrieved August 10, 2008 from http://www.stats.gov.nt.ca/Statinfo/Census/census%2006/ 2006census.html
- GNWT Bureau of Statistics. Retrieved August 5, 2008 from http://www.stats.
- GNWT DHSS. 2008. The 2006 Northwest Territories Addictions Report. Accessed October 30, 2008, from www.hlthss.gov.nt.ca/english/publications
- Government of the Northwest Territories, 2007. Resource Development Impacts: Updated Estimates of the Cumulative Impact of Resource Development on Government of the Northwest Territories Operational Expenditures. November 2007.
- Harrison, D.A., 1984. Hay River, N.W.T. 1800-1950: A Geographical Study of Site and Situation. PhD. Thesis, Department of Geography, University of Alberta. Obtained from the Community Profile prepared by the UMA Group for use by study area communities in the Diavik Diamond Mines Comprehensive Study, 1998.
- International Fund for Agricultural Development (IFAD). Accessed October 19, 2008 from www.ifad.org/sla/background/english/SLFramework.ppt
- International Institute for Sustainable Development. Retrieved August 22, 2008, from http://www.iisd.org/natres/agriculture/capital.asp
- McConnell, J.G., 1965. The Fort Smith Area 1780 to 1961: An Historical Geography. M.A. Thesis, Department of Geography, University of Toronto. Obtained from the Community Profile prepared by the UMA Group for use by study area communities in the Diavik Diamond Mines Comprehensive Study, 1998.
- Mackenzie Valley Environmental Impact Review Board. 2nd Edition. Socio-Economic Impact Assessment Guidelines. Published under the authority of the Mackenzie Valley Environmental Impact Review Board. Yellowknife, 2007.
- Macpherson, J.E, 1978. The Pine Point Mine in Peterson, E.B. and Wright, J.B. (eds.). Northern Transitions Volume 1: Northern Resource Use and Land Use Policy Study. Canadian Arctic Resources Committee, Ottawa. Obtained from the Community Profile prepared for



- use by study area communities in the Diavik Diamond Mines Comprehensive Study, 1998.
- NZAID (NZ Aid & International Development Agency) Tools. Accessed November 5, 2008 from http://nzaidtools.nzaid.govt.nz/
- Rae G.R., 1963. The Settlement of the Great Slave Lake Frontier, Northwest Territories, Canada from the Eighteenth to the Twentieth Century. PhD. Thesis, Department of Geography, University of Michigan. Obtained from the Community Profile prepared by the UMA Group for use by study area communities in the Diavik Diamond Mines Comprehensive Study, 1998.
- Siemens, D.G., 1979. On the Banks of the Slave: A History of Fort Smith, Northwest Territories. Department of Education, Yellowknife. Obtained from the Community Profile prepared by the UMA Group for use by study area communities in the Diavik Diamond Mines Comprehensive Study, 1998.
- Smith J.G.E., 1981. Chipewyan in Handbook of North American Indians: Subarctic. Vol. 6. Smithsonian Institute, Washington. 271-284. Obtained from the Community Profile prepared by the UMA Group for use by study area communities in the Diavik Diamond Mines Comprehensive Study, 1998.
- Terra-Firma Consultants, 2008. Technical memo regarding the Tibbitt to Contwoyto Winter Road Joint Venture; analysis by Terra-Firma Consultants.
- Terriplan Consultants. 2006. City of Yellowknife Energy and Emissions Baseline (as revised). 2006. Prepared by Terriplan Consultants, Yellowknife NWT. June 2006.
- Wallace J.C., 1966. Hay River, N.W.T. M.A. Thesis, Department of Geography, University of Alberta. Obtained from the Community Profile prepared by the UMA Group for use by study area communities in the Diavik Diamond Mines Comprehensive Study, 1998.

## Section 15.10. IMPACTS TO TOURISM POTENTIAL AND WILDERNESS CHARACTER

- Bathurst Arctic Services. 2008. Website, www.bathurstinletlodge.com, accessed December 2008.
- Blackfeather (Blackfeather Wilderness Adventure Company). 2008. Website accessed December 2008: www.blackfeather.com.
- DFO (Fisheries and Oceans Canada). 2005. Protocol for Winter Water Withdrawal in the Northwest Territories. Fisheries and Oceans Canada. Current as of January 31, 2005.
- DFO. 2007. Ice Bridges and Snowfills. Northwest Territories Operational Statement Version 3.0. Fisheries and Oceans Canada.
- ENR (Environment and Natural Resources). 2007. Northwest Territories Summary of Hunting Regulations. Available from www.nwtwildlife.com
- FMB (Forestry Management Branch). 2001. Management Guidelines for Forestry and Resource-based Tourism. Ontario Ministry of Natural Resources. Toronto: Queen's Printer for Ontario.



- GNWT (Government of the Northwest Territories). 2008. Spectacular Northwest Territories website, www.spectacularnwt.com/. Accessed December 2008.
- MVEIRB (Mackenzie Valley Environmental Impact Review Board). 2008a. Terms of Reference for the Taltson Hydroelectric Expansion Project Developers Assessment Report. Yellowknife, NT: March 28, 2008.
- MVEIRB (Mackenzie Valley Environmental Impact Review Board). 2008b. Report on Community and Technical Scoping Sessions for the Taltson Hydroelectric Expansion Project EA0708-007, Dezé Energy Corporation Ltd., November-December, 2007.
- Nonacho Lake Fishing Camp. 2008. Website, www.nonacho.com. Accessed December 2008.
- Parks Canada. 1997. National Park System Plan. Ottawa: Heritage Canada. Available at: http://dsp-psd.pwgsc.gc.ca/Collection/R64-197-1-1997E.pdf.
- Peregrine Diamonds Ltd. 2008. Website, as www.pdiam.com, accessed December 2008.
- Rescan. 2004. Taltson Hydro Expansion Project 2003 Baseline Report. Prepared by Rescan Environmental Services for the Northwest Territories Power Corporation. 465 pp.
- Wanapitei (Wanapitei Canadian and Northern Outdoor Expeditions). 2008. Website www.wanapiteiY.com, accessed December 2008.

#### SECTION 15.11. IMPACTS ON HARVESTING AND LAND USE

- Ecosystem Classification Group. 2008. Ecological Regions of the Northwest Territories, Tiaga Shield. Department of Environment and Natural Resources, Government of the Northwest Territories. Yellowknife, NT, Canada.
- Ferguson, M. A. D. & Messier, F. 2000. Mass Emigration of Arctic Tundra Caribou from a Traditional Winter Range: Population Dynamics and Physical Condition. Journal of Wildlife Management, 64, 168-178.
- Forest Management. 2009. Website, forestmanagement.enr.gov.nt.ca. Accessed January, 2008
- International Fund for Agricultural Development (IFAD) Accessed October 19, 2008 from www.ifad.org/sla/background/english/SLFramework.ppt
- Johnson, C. J., Boyce, M. S., Case, R. L., Cluff, H. D., Gau, R. J., Gunn, A. & Mulders, R. 2005. Cumulative Effects of Human Developments of Arctic Wildlife. Wildlife Monographs, 160, 1-36.
- Kendrick, A., Lyver, P. O. & LKDFN (Łutsel K'e Dene First Nation). 2005. Denésoliné (Chipewyan) knowledge of barren-ground caribou (*Rangifer tarandus groenlandicus*) Movements. Arctic, 58, 175-191.
- Łutsel k'e Wildlife, Lands and Environment Department [LWLED], May 2002. Community-Based Monitoring FINAL REPORT: June 2002. Submitted to: West Kitikmeot Slave Study Society (WKSS).



- Messier, F., J. Huot, D. L. Hanaff, & S. Luttich. 1988. Demography of the George River Caribou Herd: Evidence of Population Regulation by Forage Exploitation and Range Expansion. Arctic 41:279-287.
- MVEIRB. 2007. Socio-Economic Impact Assessment Guidelines. Mackenzie Valley Environmental Impact Review Board, Yellowknife: 2007.
- Mackenzie Valley Environmental Impact Review Board, 2008. Report on Community and Technical Scoping Sessions for the Taltson Hydroelectric Expansion Project EA0708-007, Dezé Energy Corporation Ltd., November-December, 2007.
- NZAID (NZ Aid & International Development Agency) Tools. Accessed November 5, 2008 from http://nzaidtools.nzaid.govt.nz/
- Parlee, B., & Marlowe, E. 1999. Final report: Traditional knowledge on community health: Community-based monitoring. N.p.: The West Kitikmeot Slave Study Society by the Łutsel K'e Dene First Nation.
- Weins, J.A., 1989. Spatial Scaling in Ecology. Functional Ecology 3:385-397.

#### Section 15.12. Heritage Resources

- MVEIRB. 2008. Terms of reference for the Taltson Hydroelectric Expansion Project Developer's Assessment Report. N.p.: MVERIB.
- MVLWB. 2007 Public Registry website for the Taltson Expansion Project (MV2007L4-0029). Accessed 2 June 2008, from http://www.mvlwb.ca/mv/Registry.aspx.
- Rescan 2004. Taltson Hydro Expansion Project: 2003 Baseline Report. Yellowknife, NWT:
  Prepared for the Northwest Territories Power Corporation by Rescan Environmental
  Services Ltd

## Chapter 16. Project Responses to the Environment

- Arnell, N.W. 1999. Climate Change and Global Water Resources. Global Environmental Change, 9 (supplementary): 31-49.
- Arora, V.K. and G.J. Boer. 2001. Effects of Simulated Climate Change on the Hydrology of Major River Basins. Journal of Geophysical Research, 106(D4): 3335-3348.
- Beltaos, S. and T.D. Prowse. 2001. Climate Impacts on Extreme Ice Jam Events in Canadian Rivers. Hydrological Sciences Journal, 46(1): 157-181. [Referenced from Furgal, C., and Prowse, T.D. (2008)].
- Bonsal, B.R. and T.D. Prowse. 2006. Regional Assessment of GCM-Simulated Current Climate over Northern Canada. Arctic, 59(2): 115-128. [Referenced from Furgal, C., and Prowse, T.D. (2008)].
- Brown, R.D. 2000. Northern Hemisphere Snow Cover Variability and Change, 1915-1997. Journal of Climate, 13(13): 2339-2355. [Referenced from Furgal, C., and Prowse, T.D. (2008)].



- Brown, R.D. and R.O. Braaten. 1998. Spatial and Temporal Variability of Canadian Monthly Snow Depths, 1946-1995. Atmosphere-Ocean, 36(1): 37-54. [Referenced from Furgal, C., and Prowse, T.D. (2008)].
- CEAA. 2000. Canadian Environmental Assessment Agency. Climate Change and Environmental Assessment. Part 1: Review of Climate Change Considerations in Selected Past Environmental Assessments. Prepared by Lee, R. The Canadian Institute for Climate Studies, Research and Development Monograph Series.
- Christensen, J.H., B. Hewitson, A. Busuioc, A. Chen, X. Gao, I. Held, R. Jones, R.K. Kolli, W.-T. Kwon, R. Laprise, V. Magaña Rueda, L. Mearns, C.G. Menéndez, J. Räisänen, 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, (eds.) Solomon, S., D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor and H.L. Miller. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.
- Couture, R., S. Smith, S.D. Robinson, M.M. Burgess, and S. Solomon. 2003. On the Hazards to Infrastructure in the Canadian North Associated with Thawing of Permafrost. Proceedings of Geohazards 2003, 3rd Canadian Conference on Geotechnique and Natural Hazards, Canadian Geotechnical Society: 97-104. [Referenced from Furgal, C., and Prowse, T.D. (2008)].
- Furgal, C., S. Kalhok, E. Loring, and S. Smith. 2003. Knowledge in Action: Northern Contaminants Program Structures, Processes and Products. Indian and Northern Affairs Canada, Canadian Arctic Contaminants Assessment Report II, 90 p. [Referenced from Furgal, C., and Prowse, T.D. (2008)].
- Furgal, C., and Prowse, T.D. 2008. Northern Canada. In From Impacts to Adaptation: Canada in a Changing Climate 2007, (eds.) D.S. Lemmen, F.J. Warren, J. Lacroix and E. Bush; Government of Canada, Ottawa, ON, p. 57-118.
- Gray, D.M. and T.D. Prowse. 1993. Snow and Floating Ice. In Handbook of Hydrology, (ed.) D. Maidment; McGraw-Hill Publishers, New York, p. 7.1-7.8. [Referenced from Furgal, C., and Prowse, T.D. (2008)].
- Hansen, J. E., M. Sato, P. Kharecha, G. Russell, D. W. Lea, and M. Siddall. 2007. Climate Change and Trace Gases. Philosophical Transactions of the Royal Society, 365: 1925-1954.
- Hegerl, G. C., F. W. Zwiers, P. Braconnot, N. P. Gillett, Y. Luo, J. A. M. Orsini, N. Nicholls, J. E. Penner, and P. A. Stott. 2007. Understanding and Attributing 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, (eds.) S. Solomon, D. Qin, M. Manning, Z. Chen, M. Marquis, K. B. Averyt, M. Tignor, and H. L. Miller. Cambridge University Press, Cambridge UK, and New York, USA.
- Huntington, H. and co-authors. 2005. The Changing Arctic: Indigenous Perspectives; in Arctic Climate Impact Assessment, Cambridge University Press, Cambridge, United Kingdom, p. 61-98. [Referenced from Furgal, C., and Prowse, T.D. (2008)].



- IPCC. 2001. Climate Change 2001: The Scientific Basis. Contribution of Working Group I to the Third Assessment Report of the Intergovernmental Panel on Climate Change, (eds.) Houghton, J. T., Y. Ding, D. J. Griggs, M. Noguer, P. J. van der Linden, and D. Xiaosu. Cambridge University Press, UK.
- IPCC. 2007. Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change, (eds.) Solomon, S., D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor and H.L. Miller. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA, 996 pp.
- IPCC-TGCIA. 1999. Guidelines on the Use of Scenario Data for Climate Impact and Adaptation Assessment. Version 1. Intergovernmental Panel on Climate Change, Task Group on Scenarios for Climate Impact Assessment.
- Kattsov, V.M. and co-authors. 2005. Future Climate Change: Modeling and Scenarios for the Arctic Climate Impact Assessment; Cambridge University Press, Cambridge, United Kingdom, p. 100-150. [Referenced from Furgal, C., and Prowse, T.D. (2008)].
- Katz, R.W. 1999. Extreme Value Theory for Precipitation: Sensitivity Analysis for Climate Change. Advances in Water Resources, 23:133-139.
- Kharin, V. V., and F. W. Zwiers. 2000. Changes in the Extremes in an Ensemble of Transient Climate Simulations with a Coupled Atmosphere-Ocean GCM. Journal of Climate, 131:3760-3788.
- Klohn Crippen Berger, 2006. Taltson Hydro, Comprehensive Dam Safety Review, for NTPC.
- Kundzewicz, Z.W., L.J. Mata, N.W. Arnell, P. Döll, P. Kabat, B. Jiménez, K.A. Miller, T. Oki, Z. Sen and I.A. Shiklomanov. 2007. Freshwater Resources and their Management. In Climate Change 2007: Impacts, Adaptation and Vulnerability. Contribution of Working Group II to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change, (eds.) M.L. Parry, O.F. Canziani, J.P. Palutikof, P.J. van der Linden and C.E. Hanson, Eds., Cambridge University Press, Cambridge, UK, 173-210.
- Magnuson, J.J. and co-authors. 2000. Ice Cover Phenologies of Lakes and Rivers in the Northern Hemisphere and Climate Warming. Science, 289(5485): 1743-1746.
- Marsh, P. 1990. Snow hydrology; in Northern Hydrology: Canadian Perspectives, (ed.) T.D. Prowse and C.S.L. Ommanney; Environment Canada, National Hydrology Research Institute, NHRI Science Report No. 1, p. 37-61. [Referenced from Furgal, C., and Prowse, T.D. (2008)].
- Meehl, G.A., T.F. Stocker, W.D. Collins, P. Friedlingstein, A.T. Gaye, J.M. Gregory, A. Kitoh, R. Knutti, J.M. Murphy, A. Noda, S.C.B. Raper, I.G. Watterson, A.J. Weaver and Z.-C. Zhao. 2007. Global 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, (eds.) Solomon, S., D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor and H.L. Miller. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.



- McBean, G. and co-authors. 2005. Arctic Climate: Past and Present. In Arctic Climate Impact Assessment; Cambridge University Press, Cambridge, United Kingdom, p. 22-60. [Referenced from Furgal, C., and Prowse, T.D. (2008)].
- Nicholls, J. E. Penner, and P. A. Stott. 2007. Understanding and Attributing 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, (eds.)
  S. Solomon, D. Qin, M. Manning, Z. Chen, M. Marquis, K. B. Averyt, M. Tignor, and H. L. Miller. Cambridge University Press, Cambridge UK, and New York, USA.
- Ouranos. 2004. Adapting to Climate Change; Ouranos Climate Change Consortium, Montreal, Quebec, 83 p. [Referenced from Furgal, C., and Prowse, T.D. (2008)].
- PCIC. 2008. Pacific Climate Impacts Consortium. Data accessed Oct 2008. http://www.pacificclimate.org/tools/select
- Polyakov, I.V. and co-authors. 2003a. Long-term Ice Variability in Arctic Marginal Seas. Journal of Climate, 16(12): 2078-2085. [Referenced from Furgal, C., and Prowse, T.D. (2008)].
- Polyakov, I.V., and co-authors. 2003b: Variability and Trends of Air Temperature and Pressure in the Maritime Arctic, 1875-2000. Journal of Climate, 16(12):2067–2077. [Referenced from Furgal, C., and Prowse, T.D. (2008)].
- Prowse, T.D. and S. Beltaos. 2002. Climatic Control of River-Ice Hydrology: A Review. Hydrological Processes, 16(4): 805-822. [Referenced from Furgal, C., and Prowse, T.D. (2008)].
- Prowse, T.D. and T. Carter. 2002. Significance of Ice-Induced Hydraulic Storage to Spring Runoff: A Case Study of the Mackenzie River. Hydrological Processes, 16(4): 779-788. [Referenced from Furgal, C., and Prowse, T.D. (2008)].
- Smith, S.L. and M.M. Burgess. 2004. Sensitivity of Permafrost to Climate Warming in Canada. Geological Survey of Canada, Bulletin 579, 24 p. [Referenced from Furgal, C., and Prowse, T.D. (2008)].
- Smith, S.L., M. M. Burgess, and J.A. Heginbottom. 2001. Permafrost in Canada, a Challenge to Northern Development. In A Synthesis of Geological Hazards in Canada, (ed.) G.R. Brooks; Geological Survey of Canada, Bulletin 548, p. 241-264. [Referenced from Furgal, C., and Prowse, T.D. (2008)].
- Trenberth, K. E., P. D. Jones, P. Ambenje, R. Bojariu, D. Easterling, A. K. Tank, and D. Parker.
  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, (eds.) S. Solomon, D. Qin, M.
  Manning, Z. Chen, M. Marquis, K. B. Averyt, M. Tignor, and H. L. Miller. Cambridge
  University Press, Cambridge and New York.
- Walsh, J.E. and co-authors. 2005. Cryosphere and Hydrology. In Arctic Climate Impact Assessment; Cambridge University Press, Cambridge, United Kingdom, p. 183-242. [Referenced from Furgal, C., and Prowse, T.D. (2008)].



- Woo, M.-K., A.G. Lewkowicz, and W.R. Rouse. 1992. Response of the Canadian Permafrost Environment to Climate Change. Physical Geography, 13: 287-317. [Referenced from Furgal, C., and Prowse, T.D. (2008)].
- Zhang, X., L.A. Vincent, W.D. Hogg, and A. Niitsoo. 2000. Temperature and Precipitation Trends in Canada during the 20th Century. Atmosphere-Ocean, 38: 395-429. [Referenced from Furgal, C., and Prowse, T.D. (2008)].

# **Chapter 17. Accidents and Malfunctions**

- Ball, I.J. 1988. Artificial Nest Structures for Canada Geese. In Waterfowl Management Handbook, ed. D. H. Cross, and P. Vohs, 8. Fort Collins, CO: U.S. Fish and Wildlife Service. P. 1-8
- Beckman, L.G., J.F. Novotny, W.R. Persons, and T.T. Terrell, 1985. Assessment of the Fisheries and Limnology in Lake F.D. Roosevelt, 1980-83. Final report to U.S. Bureau of Reclamation, Portland, Oregon.
- Canadian Dam Association 2007. Dam Safety Guidelines 2007.
- Cott, P.A., P.K. Sibley, W.M. Somers, M.R. Lilly and A.M. Gordon. 2008. A Review of Water Level Fluctuations on Aquatic Biota with an Emphasis on Fishes in Ice-covered Lakes. Journal of the American Water Resources Association, 44(2): 343-359.
- Erb, J. and H. R. Perry Jr. 2003. Muskrats. In: Wild Mammals of North America: Biology, Management, and Conservation. 311-339. Baltimore: The Johns Hopkins University Press.
- Evers, D.C. 2004. Status Assessment and Conservation Plan for the Common Loon (*Gavia immer*) in North America. U.S. Fish and Wildlife Service.
- Lynch-Stewart, P., P. Neice, C. Rubec, and I. Kessel-Taylor. 1996. The Federal Policy on Wetland Conservation Implementation Guide for Federal Land Managers. Ottawa, Ontario: Habitat Conservation Division, Canadian Wildlife Service, Environment Canada.
- Mannes, S., Robinson, C.T, Uehlinger, Urs, Scheurer, T., Ortlepp, J., Mürle, U., & Molinari, P. 2008. Ecological Effects of a Long-term Flood Program in a Flow-regulated river. Journal of Alpine Research, 1, 125-134.
- Messier, F., Virgl, J. A., & Marinelli, L. 1990. Density-dependent Habitat Selection in Muskrats: A Test of the Ideal Free Distribution Model. Oecologia, 84, 380-385.
- Migratory Birds Convention Act, 1994. Available at: http://laws.justice.gc.ca/en/ShowFullDoc/cs/M-7.01///en
- Migratory Birds Regulations. C.R.C., c. 1035, s. 6. Available at: http://laws.justice.gc.ca/en/ShowFullDoc/cr/C.R.C.-c.1035///en
- National Institute of Water & Atmospheric Research Ltd. (NIWA). 2003. Water Level Fluctuation in Lake Rotoiti and their ecological implications (NIWA Client Report: HAM203-156). Hamilton, New Zealand.



Nilsson, C. and M. Svedmark. 2002. Basic Principles and Ecological Consequences of Changing Water Regimes: Riparian Plant Communities. J. Env. Manag. 30 (4). 468-480.

Nolet, B. A., & Rosell, F. 1998. Comeback of the beaver Castor fiber: An Overview of Old and New Conservation Problems. Biol Conservat, 83(2), 165-173.

NWT Wildlife Act. 1988. Revised Statutes of the Northwest Territories. c.W-4, s. 38(1).

Odland, A. and R. Moral. 2002. Thirteen Years of Wetland Vegetation Succession Following a Permanent Drawdown, Myrkdalen Lake, Norway. J. Plant Ecology. 162. 185-198.

**Personal Communications** 

Rodman, R. 2008. personal communications, October, 2008

Vernon, T. 2009. various telephone conversations and e-mails, October 2008 to January, 2009

## **Chapter 18. Sustainability**

International Institute of Sustainable Developmern (IISD). 1997. Assessing Sustainable Development, Principles in Practice: Bellagio Principles. Available at <a href="http://www.iisd.org/measure/principles/progress/bellagio.asp">http://www.iisd.org/measure/principles/progress/bellagio.asp</a>

Mvrma. 1998. Mackenzie Valley Resource Management Act. Available at http://www.mvlwb.com/doc/mvrma.pdf