

FEIS Volume 1

- Bertulli, M. 1991. *Archaeological Inspections at George Lake, District of Mackenzie, Northwest Territories 3-4 July 1991*. Report on file with the Canadian Museum of Civilization, Gatineau, QC.
- Blower, D. 2003. *Heritage Resources Studies Mitigation and Assessment 2002 — Bathurst Inlet Port and Road Project, Nunavut Permit 02-035A*. Report on file with the Canadian Museum of Civilization, Gatineau, QC.
- Campbell, F. H. A. 1975. *Archaeological Report, Bathurst Inlet Area*. Report on file with the Canadian Museum of Civilization, Gatineau, QC.
- Campbell, F. H. A. 1977. *Observations in the Bathurst Inlet Area, 1977*. Report on file with the Canadian Museum of Civilization, Gatineau, QC.
- Dumond, M. 2007. *Muskoxen distribution and abundance in the area between Bathurst Inlet and the Coppermine River, Kitikmeot Region, Nunavut (MX19 and west of MX14)*. Government of Nunavut, Department of Environment, Status Report: 35: Iqaluit, NU.
- Fedirchuk, G. 1997. *Heritage Resources Impact Assessment: Kit Resources NWT Ltd., Goose Lake Project*. Permit 97-844. Report prepared for Norecol, Dames & Moore by Fedirchuk McCullough & Associates Ltd.
- Fedirchuk, G. 2001. *Heritage Resources Studies, Bathurst Inlet Port and Road Project, Nunavut Permit 01-019A*. Report on file with the Canadian Museum of Civilization, Gatineau, QC.
- Frame, P. F., H. D. Cluff, and D. S. Hik. 2008. Wolf reproduction in response to caribou migration and industrial development on the central barrens of mainland Canada. *Arctic*, 61 (2): 134-42.
- Gunn, A. 1990. *Distribution and Abundance of Muskox between Bathurst Inlet and Contwoyto Lake, 1986*. Department of Renewable Resources, Government of the Northwest Territories. File Report No. 100: Yellowknife, NT.
- Gunn, A. 2005. *The Decline of Caribou on Northwest Victoria Island 1980-93*. Yellowknife, NWT: File Report No. 133, Department of Environment and Natural Resources, Government of the Northwest Territories.
- Hayes, R. D. and J. R. Gunson. 1995. Status and management of wolves in Canada. . In *Canadian Circumpolar Institute Occasional Publication No 35: Ecology and conservation of wolves in a changing world*. 21-33.
- Inman, R. M., A. J. Magoun, J. Persson, and J. Mattisson. 2012. The wolverine's niche: linking reproductive chronology, caching, competition, and climate. *Journal of Mammology*, 93 (3): 634-44.
- Keith, D. and A. M. Stewart. 2005. *Kiluhitqurmiut Nunaa: Inuinnaqtun Immersion, Oral History and Archaeology Project, Tahikaffaaluk Site (McNk-3), Bathurst Lake Nunavut*. Report on file with the Canadian Museum of Civilization, Gatineau, QC.
- KIA. 2012. *Inuit Traditional Knowledge of Sabina Gold & Silver Corp. Back River (Hannigayok) Project, Naonaiyaotit Traditional Knowledge Project (NTKP)*. Prepared for Sabina Gold & Silver Corp. by Kitikmeot Inuit Association: Kugluktuk, NU.

TECHNICAL REPORT REFERENCE LIST

- KIA. 2014. *Naonaiyaotit Traditional Knowledge Project – Hannigayok (Sabina Gold & Silver Corp. Proposed Back River Project), Results from Data Gaps Workshops, Final Report*. Prepared for Sabina Gold & Silver Corp. by the Kitikmeot Inuit Association: Kugluktuk NU.
- Lemmen, D. S., Warren, F. J., Lacroix, J. and Bush, E., editors. 2008. *From Impacts to Adaptation: Canada in a Changing Climate 2007*. Government of Canada, Ottawa, ON.
- Mathiassen, T. 1927. *Archaeology of the Central Eskimos*. Report of the Fifth Thule Expedition 1921-24. Vol. 4. Copenhagen: Glydendalske Boghandell, Nordisk Forlag.
- McLoughlin, P. D., S. H. Ferguson, and F. Messier. 2000. Interspecific Variation in Home range overlap with habitat quality: a comparison among brown bear populations. *Evolutionary Ecology*, 14: 39-60.
- McLoughlin, P. D., H. D. Cluff, and F. Messier. 2002. Denning ecology of barren-ground grizzly bears in the central Arctic. *Journal of Mammalogy*, 83 (1): 188-98.
- Menge, C. W., J. C. Ross, and R. L. Ernenwein. 2002. Noise Data from Snowmobile Pass-bys: The Significance of Frequency Content. Society of Automotive Engineers.
- Morrison, D. 1978. *Archaeological Survey of Southern Bathurst Inlet, N.W.T.* Report on file with the Canadian Museum of Civilization, Gatineau, QC.
- Morrison, D. 1979. *The Archaeology of Bathurst Inlet, N.W.T.: Literature Search*. Report prepared for the National Museum of Canada, National Museum of Man, Archaeological Survey of Canada. Report on file with the Canadian Museum of Civilization, Gatineau, QC.
- Persson, J., P. Wedholm, and P. Segerstrom. 2010. Space use and territoriality of wolverines (*Gulo gulo*) in northern Scandinavia. *European Journal of Wildlife Research*, 56 (1): 49-57.
- Poole, K. G. and R. G. Bromley. 1988. Interrelationships within a raptor guild in the central Canadian Arctic. *Canadian Journal of Zoology*, 66: 2275 - 82.
- Rescan. 2008. 2007 Archaeology Baseline Report, Hackett River Project - Nunavut Territory Archaeologist Permit No. 2007-022A. Report prepared for Sabina Silver Corporation by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2012a. Back River Project 2011 - 2012 Air Quality Baseline Report. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2012b. Back River Project: 2012 Back River Socio-economic and Land Use Baseline Report. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2012c. Back River Project: Final Report for Nunavut Territory Archaeologists Permit 11-022A. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2012d. Back River Project: 2012 Fish and Fish Habitat Baseline Report. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2012e. Back River Project 2012 Freshwater Baseline Report. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd., Vancouver, BC, December 2012.
- Rescan. 2013a. Back River Project: 2012 Noise Baseline Report. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd. Vancouver, BC.

- Rescan. 2013b. Hackett River Project: Final Report for Nunavut Territory Archaeologist Permit 2012-22A. Prepared for Xstrata Zinc Canada by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2014. Back River Project: 2004 to 2014 Meteorology Baseline Report. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services. December 2014.
- Reynolds, P. E. 1998. Seasonal distribution, activity and habitat use of muskoxen in northeastern Alaska. PhD diss., University of Alaska, Fairbanks AK.
- Ross, P. I. 2002. Update COSEWIC status report on the grizzly bear *Ursus arctos* in Canada. Committee on the Status of Endangered Wildlife in Canada: Ottawa.
- Slough, B. 2007. Status of the wolverine *Gulo gulo* in Canada. p76-82. On file with BC Geological Survey, Ministry of Energy, Mines, and Petroleum Resources.
- Tischer, J.C. 2010. Archaeological Impact Assessment 2010: Bathurst Inlet Port and Road Project Nunavut Permit 10-023A. Report on file with the Canadian Museum of Civilization, Gatineau, QC.

FEIS Volume 2

ERM Rescan. 2015. *Back River Project: 2015 Economic Impact Model Report*. Prepared for Sabina Gold & Silver Corp. by ERM Rescan: Vancouver, BC.

JDS Energy & Mining Inc., 2015. Technical Report and Feasibility Study for the Back River Gold Property, Nunavut. June 22, 2015 (Effective Date May 20, 2015).

SRK Consulting. 2012. *Preliminary Economic Assessment Report for the Back River Gold Project, Nunavut Territory, Canada*. Report prepared for Sabina Gold & Silver Corp. June 29, 2012.

FEIS and FEIS Addendum Volume 3

- Armitage, P. and S. Kilburn. 2015. *Conduct of Traditional Knowledge Research — A Reference Guide*. Whitehorse, YT: Wildlife Management Advisory Council (North Slope).
- Back River Project Research Program. 2012. Rescan Research Program, Back River Project: Interviews in Kugluktuk, Cambridge Bay, Gjoa Haven, Kugaaruk, and Taloyoak (September 17 to October 2, 2012) and Focus Groups in Cambridge Bay and Kugluktuk (November 24 to December 7, 2012). Rescan Environmental Services Ltd., September 17 to October 2, 2012 and November 24 to December 7, 2012, Interviews and focus groups.
- Barton, B., 2002. Underlying concepts and theoretical issues in public participation in resources development. In: D. Zillman, A. Lucas, and G. Pring (Eds.), *Human Rights in Natural Resource Development: Public Participation in the Sustainable Development of Mining and Energy Resources*: 77-119. Toronto, ON: Oxford University Press.
- Bone, R. 2003. *The Geography of the Canadian North: Issues and Challenges* (2nd ed.). Don Mills, ON: Oxford University Press.
- Bowen, F., A. Newenham-Kahindi, and I. Herremans. 2010. When suits meet roots: The antecedents and consequences of community engagement strategy. *Journal of Business Ethics* 95:297-318.
- Diduck, A. 2004. Incorporating participatory approaches and social learning. In: B. Mitchell (Ed.), *Resource and Environmental Management in Canada*: 497-527. Toronto, ON: Oxford University Press.
- Diduck, A. 2010. Incorporating participatory approaches and social learning. In: B. Mitchell (Ed.), *Resource and Environmental Management in Canada: Addressing Conflict and Uncertainty* (4th ed.): 495-525. Toronto, ON: Oxford University Press.
- Funtowicz, S.O. and J.R. Ravetz. 1993. Science for the post-normal age. *Futures* 25: 739-755.
- Gilchrist, G., M. Mallory, and F. Merkel. 2005. Can local ecological knowledge contribute to wildlife management? Case studies of migratory birds. *Ecology and Society* 10(1):20-32.
- Innes, J.E. and D.E. Booher. 2004. Reframing public participation: strategies for the 21st century. *Planning Theory & Practice* 5: 419-436.
- Mitchell, B. 2002. Local knowledge systems. In: B. Mitchell (Ed.), *Resource and Environmental Management* (2nd ed.): 210-243. Harlow: Prentice-Hall.
- Mitchell, R.K., B.R. Agle, and D.J. Wood. 1997. Toward a theory of stakeholder identification and salience: defining the principle of who and what really counts. *Academy of Management Review* 22 (4): 853-86.
- NIRB. 2013b. Public Scoping Meetings Summary Report for the NIRB's Review of Sabina Gold & Silver Corp.'s "Back River" Project (NIRB file no. 12MN036). 45 pages.
- NIRB. 2014a. Public Information Meetings Summary Report for the NIRB's Review of Sabina Gold & Silver Corp's Back River Project, March 24 - April 1, 2014. Nunavut Impact Review Board (12MN036) August 2014. 55 pages.
- NIRB. 2014b. Nunavut Impact Review Board Pre-hearing Conference Decision Concerning the Back River Project (NIRB File No. 12MN036) Proposed by Sabina Gold & Silver Corporation.
- O'Faircheallaigh, C. 2009. Public participation and environmental impact assessment: purposes, implications, and lessons for public policy making. *Environmental Impact Assessment Review* 30: 19-27.

TECHNICAL REPORT REFERENCE LIST

- Parkins, J.R., and R.B. Mitchell. 2005. Public participation as public debate: a deliberative turn in natural resource management. *Society and Natural Resources* 18: 529-540.
- Pring, G., and S.Y. Noe. 2002. The emerging international law of public participation affecting global mining, energy, and resources development. In: D. Zillman, A. Lucas, and G. Pring (Eds.). *Human Rights in Natural Resource Development: Public Participation in the Sustainable Development of Mining and Energy Resources*: 11-76. Toronto, ON: Oxford University Press.
- Rusk, J.J., S.C.R. Granchinho, and R.W. Barry. 2009. Impact assessment in Nunavut. In: K.S. Hanna(Ed.). *Environmental Impact Assessment: Practice and Participation* (2nd ed.): 257-280. Don Mills, ON: Oxford University Press.
- Stevenson, M. 1996. Indigenous knowledge in environmental assessment. *Arctic* 49(3):278- 291.
- Tobias, T. 2009. *Living Proof – The Essential Data-Collection Guide for Indigenous Use-and-Occupancy Map Surveys*. Vancouver, BC: Ecotrust Canada/UBCIC.
- Turner, N., M. Boelscher-Ignace, and R. Ignace. 2000. Traditional ecological knowledge and wisdom of Aboriginal peoples in British Columbia. *Ecological Applications* 10(5):1275-1287.
- Usher, P. 2000. Traditional ecological knowledge in environmental assessment and management. *Arctic* 53(2):183-193.

FEIS Volume 4

- Areva. 2011. *Kiggavik Project Environmental Impact Statement*. Prepared by Areva Resources Canada Inc.
- Baffinland. 2012. *Mary River Project: Final Environmental Impact Statement*. Baffinland Iron Mines Corporation: Toronto, ON.
- De Beers. 2002. *Snap Lake Diamond Project Environmental Assessment Report*. Golder Associates Ltd.
- Gibson, J. J., T. D. Prowse, and T. W. D. Edwards. 1996. Evaporation from a small lake in the continental arctic using multiple methods. *Nordic Hydrology*, 27: 1-24.
- Michaud, D. S., S. H. P. Bly, S. E. Keith. 2008. Using a Change in Percent Highly Annoyed with Noise as a Potential Health Effect Measure for Projects under the *Canadian Environmental Assessment Act*. *Canadian Acoustics*, 36 (2): 13-28.
- M.L. Parry, O.F. Canziani, J.P. Palutikof, P.J van der Linden, and C. E. Hanson, eds. 2007. *Climate Change 2007: Impacts, Adaptation and Vulnerability*. Contribution of Working Group II to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change. Cambridge, UK: Cambridge University Press.
- Mudd. 2008. Gold mining and sustainability: A critical reflection. <http://www.eoearth.org/view/article/153053> (accessed July 2013)
- Olivier JGJ, Janssens-Maenhout G, Muntean M and Peters JAH. 2014. Trends in global CO2 emissions; 2014 Report, The Hague: PBL Netherlands Environmental Assessment Agency; Ispra: European Commission, Joint Research Centre (page 23). Available from http://edgar.jrc.ec.europa.eu/news_docs/jrc-2014-trends-in-global-co2-emissions-report-93171.pdf.
- Rescan. 2007. Appendix F-5 - Traditional Knowledge of Wildlife, Fish and Water Quality. In *The Bathurst Inlet Port and Road Project (BIPR) Draft Environmental Impact Statement*. Prepared for Bathurst Inlet Port and Road Joint Venture Ltd. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2012. *Back River Project: 2006 to 2012 Meteorology Baseline Report*. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services. November 2012.
- Rescan. 2013a. *Bathurst Inlet Port And Road Project Air Quality Baseline Study, 2012*. Prepared for Xstrata Zinc by Rescan Environmental Services Ltd: Vancouver, British Columbia.
- Rescan. 2013b. *Bathurst Inlet Port and Road Project - Air Quality Modelling Study*. Prepared for Xstrata Zinc by Rescan Environmental Services Ltd: Vancouver, British Columbia.
- Rescan. 2013c. *Back River Project: 2013 Air Quality Modelling Report*. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd., an ERM company: Vancouver, BC.
- Rescan. 2014. *Back River Project 2011 - 2013 Air Quality Baseline Report*. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd., an ERM company: Vancouver, BC. In production.
- RWDI. 2012. *Mary River Project Final Environmental Impact Statement*. February 2012
- RWDI. 2015. *Back River Project: 2015 Noise Modelling Assessment*. Prepared for Sabina Gold & Silver Corp. by RWDI Guelph, ON.
- Thorpe, N. L., Eyegetok, S., Hakongak, N., and Qitirmiut Elders. 2001. The Tuktu and Nogak Project: A Caribou Chronicle. Final Report to the West Kitikmeot Slave/Study Society. Ikaluktuutiak, NT.

FEIS and FEIS Addendum Volume 5

- Adamczewski, J., C. C. Bates, B. M. Soutar, and R. J. Hudson. 1988. Limiting effects of snow on seasonal habitat use and diets of caribou (*Rangifer tarandus groenlandicus*) on Coats Island, Northwest Territories, Canada. *Canadian Journal of Zoology*, 66: 1986-96.
- Adamczewski, J., J. Boulanger, B. Croft, D. Cluff, B. Elkin, J. Nishi, A. Kelly, A. D'Hont, and C. Nicolson. 2009. Decline in the Bathurst caribou herd 2006-2009: A technical evaluation of field data and modeling. Government of Northwest Territories: Yellowknife, NT.
- Adamczewski, J., J. Nishi, A. Gunn, T. Antoniuk, C. Johnson, D. Russell, T. Blondin, A. Legat, D. Beaulieu, J. Virgl, M. C. Pasquayak, and B. Wooley. 2012. Modeling cumulative effects in barren-ground caribou range: proceedings of a workshop in Yellowknife, February 2008. Manuscript Report No. 233. Government of Northwest Territories: Yellowknife, NT.
- 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 (5): 1149-57.
- Albon, S. D., A. Stein, R. J. Irvine, R. Langvatn, E. Ropstad, and O. Halvorsen. 2002. The role of parasites in the dynamics of a reindeer population. *Proceedings of the Royal Society B-Biological Sciences*, 269: 1625-32.
- Altizer, S., R. Bartel, and B. A. Han. 2011. Animal migration and infectious disease risk. *Science*, 331: 296-302.
- AMEC Americas Limited. 2005. Mackenzie Gas Project: Effects of Noise on Wildlife. Prepared for Imperial Oil Resources Ventures Limited by AMEC Americas Limited: n.p.
- Anderson, J. R. and A. C. Nilssen. 1996. Trapping oestrid parasites of reindeer: the response of *Cephenemyia trompe* and *Hypoderma tarandi* to baited traps. *Medical and Veterinary Entomology*, 10: 337-46.
- Anderson, J. R. and A. C. Nilssen. 1998. Do reindeer aggregate on snow patches to reduce harassment by parasitic flies or to thermoregulate? *Rangifer*, 18: 3-17.
- Anderson, J. R., A. C. Nilssen, and W. Hemmingsen. 2001. Use of host-mimicking trap catches to determine which parasitic flies attack reindeer, *Rangifer tarandus*, under different climatic conditions. *The Canadian Field-Naturalist*, 115: 274-86.
- Anderson, T. A. and C. J. Johnson. 2014. Distribution of barren-ground caribou during winter in response to fire. *Ecosphere*, 5 (10): 140.
- Arsenault, D., N. Villeneuve, C. Boismenu, Y. Leblanc, and J. Deshayes. 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.
- Åsbakk, K., A. Oksanen, M. Nieminen, and R. E. Haugerud. 2005. Dynamics of antibodies against hypodermis C in reindeer infested with the reindeer warble fly, *Hypoderma tarandi*. *Veterinary parasitology*, 129 (3): 323-32.
- 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): 218-35.
- Avgar, T., A. A. Mosser, G. S. Brown, and J. M. Fryxell. 2013. Environmental and individual drivers of animal movement patterns across a wide geographical gradient. *Journal of Animal Ecology*, 82 (1): 96-106.

- Avgar, T., G. Street, and J. M. Fryxell. 2015. On the adaptive benefits of mammal migration. *Canadian journal of zoology*, 92: 481-90.
- AXYS Environmental Consulting Ltd. and Penner and Associates Ltd. 1998. Diavik Diamonds Project: Environmental effects report, wildlife. Prepared for Diavik Diamonds Mines Inc.: n.p.
- Bailey, A. 2012. Ribbons of tundra ice: Evolving ice-road construction techniques extend North Slope exploration seasons. <http://www.petroleumnews.com/pntruncate/435701508.shtml> (accessed June 2013).
- Baker-Austin, C., J. A. Trinanes, N. G. H. Taylor, R. Hartnell, A. Siitonen, and J. Martinez-Urtaza. 2013. Emerging *Vibrio* risk at high latitudes in response to ocean warming. *Nature climate Change* 3: 73-77.
- Banfield, A. W. 1974. *The Mammals of Canada*. Toronto, ON: University of Toronto Press.
- Banerjee, I. and B. C. McDonalds. 1975. Nature of esker sedimentation In *Glaciofluvial and glaciolacustrine sedimentation*. Ed. J. A. V. a. M. B.C. 123-54. Society of Economic Paleontologists and Mineralogists Special Publication.
- Barboza, P. S. and K. L. Parker. 2008. Allocating Protein to Reproduction in Arctic Reindeer and Caribou. *Physiological and Biochemical Zoology*, 81 (6): 835-55.
- Barrier, T. A. and C. J. Johnson. 2012. The influence of fire history on selection of foraging sites by barren-ground caribou. *Ecoscience*, 19 (2): 177-88.
- Bathurst Inlet Lodge. 2007. Home page. <http://www.bathurstinletlodge.com> (accessed October 2013).
- Beaulieu, D. 2012. Dene traditional knowledge about caribou cycles in the Northwest Territories. *Rangifer*, 20 (Special Issue): 59-67.
- Beck, P. S. A. and S. J. Goetz. 2011. Satellite Observations of High Northern Latitude Vegetation Productivity Changes between 1982 and 2008: Ecological Variability and Regional Differences. *Environmental Research Letter* 6: 045501.
- Bergerud, A. T. 1996. Evolving perspectives on caribou population dynamics, have we got it right yet? *Rangifer*, Spec. Issue No. 9: 95-116.
- Bergerud, A. T. and W. B. Ballard. 1988. Wolf Predation on Caribou: The Nelchina Herd Case History, a Different Interpretation. *The Journal of Wildlife Management*, 52 (2): 344-57.
- Bergerud, A. T. and J. P. Elliot. 1986. Dynamics of caribou and wolves in northern British Columbia. *Canadian Journal of Zoology*, 64 (7): 1515-29.
- Bergerud, A. T., R. Ferguson, and H. E. Butler. 1990. Spring migration and dispersion of woodland caribou at calving. *Animal Behaviour*, 39 (2): 360-68.
- Bergerud, A. T., S. N. Sluttich, and L. Camps. 2008. *The return of the caribou to Ungava*. Montreal, Quebec: Queen's University Press.
- Berryman, S., J. Straker, and D. Straker. 2009. Using lichens as bioindicators of air pollution deposition near remote mining operations.
- Bianci, V. and R. Spicker. 2012. Inuit Traditional Knowledge of Sabina Gold & Silver Corporations's Back River (Hannigayok) Project. Naonaiyaotit Traditional Knowledge Project (NTKP), KitikmeotInuit Association. Kugluktuk, NU.
- BHP Billiton. 2007. EKATI Diamond Mine 2006 Wildlife Effects Monitoring Program. Prepared by Rescan Environmental Services Ltd.: Vancouver, BC.

TECHNICAL REPORT REFERENCE LIST

- BHPB. 2004. Ekati Diamond Mine. 2003 Wildlife Effects Monitoring Program. Prepared for BHPB Diamonds Inc. by Golder Associates Ltd.: Vancouver, BC.
- Boertje, R. D. 1981. Nutritional ecology of the Denali caribou herd. M.Sc. diss., University of Alaska, Fairbanks.
- Boertje, R. D. 1985. An energy model for adult female caribou of the Denali Herd, Alaska. *Journal of Range Management*, 38 (5): 468-73.
- Boertje, R. D., P. Valkenburg, and M. E. McNay. 1996. Increases in moose, caribou, and wolves following wolf control in Alaska. *The Journal of Wildlife Management*, 60 (3): 474-89.
- Boulanger, J. and A. Gunn. 2007. Exploring possible mechanisms for the decline of the Bathurst herd of barren-ground caribou using demographic modeling. Yellowknife, NWT: Northwest Territories, Environmental and Natural Resources.
- Boulanger, J., A. Gunn, J. Adamczewski, and B. Croft. 2011. A Data-Driven Demographic Model to Explore the Decline of the Bathurst Caribou Herd. *Journal of Wildlife Management*, 75 (4): 883-96.
- Boulanger, J., K. Poole, B. Fournier, J. Wierzchowski, T. Gaines, and A. Gunn. 2004. Assessment of the Bathurst caribou movements and distribution in the Slave Geological Province. NWT Resources, Wildlife and Economic Development. Manuscript Report No. 158: Yellowknife, NT.
- Boulanger, J., K. G. Poole, A. Gunn, and J. Wierzchowski. 2012. Estimating the zone of influence of industrial developments on wildlife: a migratory caribou Rangifer tarandus groenlandicus and diamond mine case study. *Wildlife Biology*, 18 (2): 164-79.
- Bradley, C. A. and S. Altizer. 2005. Parasites hinder monarch butterfly flight: implications for disease spread in migratory hosts. *Ecology Letters*, 8: 290-300.
- 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 (4): 1127-33.
- Briand, Y., J.-P. Ouellet, C. Dussault, and M.-H. St-Laurent. 2009. Fine scale habitat selection by female forest-dwelling caribou in managed boreal forest: empirical evidence of a seasonal shift between foraging opportunities and antipredator strategies. *Ecoscience*, 16: 330-40.
- Brotton, J. and G. Wall. 1997. Climate change and the Bathurst caribou herd in the Northwest Territories, Canada. *Climate Change*, 35: 35-52.
- Burge, C. A., C. Mark Eakin, C. S. Friedman, B. Froelich, P. K. Hershberger, E. E. Hofmann, L. E. Peters, K. c. Prager, E. Weil, B. L. Willis, S. E. Ford, and C. D. Harvell. 2014. Climate change influences on marine infectious diseases: implications for management and society. *Annual Review of Marine Science*, 6: 249-77.
- Burn, C. R. 2002. Tundra Lakes and Permafrost: Richards Island, Western Arctic Coast, Canada.
- Burns, C. E., B. J. Goodwin, and R. S. Ostfeld. 2005. A prescription for longer life: Bot fly parasitism of the white-footed mouse. *Ecology*, 86 (753-761):
- Calef, G. W. 1981. Caribou and the barren-lands. Ottawa, ON: Canadian Arctic Resources Committee.
- Calef, G. W., E. A. DeBock, and G. M. Lortie. 1976. Reaction of Barren-Ground Caribou to Aircraft. *Arctic*, 29 (4): 201-12.
- Callaghan, T. C., L. O. Bjorn, Y. Chernov, T. Chapin, T. R. Christensen, B. Huntley, R. Ims, D. Jolly, S. Jonasson, N. Matveyeva, N. Panikov, W. Oechel, and G. Shaver. 2004. Arctic Tundra and Polar Desert Ecosystems. ACIA Scientific Report:

- Cameron, R. D. and J. M. V. Hoef. 1994. Predicting Parturition Rate of Caribou from Autumn Body Mass. *The Journal of Wildlife Management*, 58 (4): 674-79.
- Cameron, R. D., D. J. Reed, J. R. Dau, and W. T. Smith. 1992. Redistribution of calving caribou in response to oil field development on the arctic slope of Alaska. *Arctic*, 45: 338-42.
- Cameron, R. D., D. J. Reed, J. R. Dau, and W. T. Smith. 1992. Redistribution of calving caribou in response to oil field development on the Arctic Slope of Alaska. *Arctic*, 45 (4): 338-42.
- 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 (3): 480-86.
- 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.
- 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: 1-9.
- Campbell, M., J. Boulanger, D. S. Lee, M. Dumond, and J. McPherson. 2012. Calving ground abundance estimates of the Beverly and Ahiak subpopulations of barren-ground caribou (*Rangifer tarandus groenlandicus*) - June 2011. Department of Environment, Government of Nunavut: Arviat, Nunavut.
- Careau, V., D. W. Thomas, and M. M. Humphries. 2010. Energetic cost of bot fly parasitism in free-ranging eastern chipmunks. *Oecologia*, 162: 303-12.
- Cater, D. 2011. NI 43-101 Technical Report: Back River Project, Nunavut Territory, Canada. Prepared for Sabina Gold & Silver Corp. by Douglas Cater: Vancouver, BC.
- Chen, I. C., J. K. Hill, R. Ohlemuller, D. B. Roy, and C. D. Thomas. 2011. Rapid range shifts of species associated with high levels of climate warming. *Science*, 333: 1024-26.
- Chen, W., N. Foy, I. Olthof, R. Latifovic, Y. Zhang, J. Li, R. Fraser, Z. Chen, D. McLennan, J. Poitevin, P. Zorn, J. Quirouette, and H. M. Stewart. 2013. Evaluating and reducing errors in seasonal profiles of AVHRR vegetation indices over a Canadian northern national park using a cloudiness index. *International Journal of Remote Sensing* 34: 4320-43.
- Chen, W., D. Russell, A. Gunn, B. Croft, J. L. W. Chen, K. Koehler, I. Olthof, R. H. Fraser, S. G. Leblanc, G. R. Henry, R. G. White, and G. L. Finstad. 2009. Habitat indicators for migratory tundra caribou under a changing climate: calving ground and summer range. Draft. Natural Resources Canada: Ottawa, ON.
- Chen, W., D. E. Russellb, A. Gunnc, B. Croftd, W. R. Chena, R. Fernandes, H. Zhaoa, J. Lia, Y. Zhanga, K. Koehlere, I. Olthofa, R. H. Frasea, S. G. Leblanca, G. R. Henryf, R. G. Whiteg, and G. L. Finstadh. 2013. Monitoring Habitat Condition Changes during Winter and Pre-Calving Migration for Bathurst Caribou in Northern Canada. *Biodiversity*, 14 (1): 36-44.
- Chen, W., C. Wenjun, W. Lori, Z. A. Jan, and C. Bruno. 2014. Assessing the Impacts of Summer Range on Bathurst Caribou's Productivity and Abundance since 1985. *Natural resources (Irvine, Calif)*, 5 (4): 130.
- Collins, W. B. and T. S. Smith. 1991. Effects of wind-hardened snow on foraging by reindeer (*Rangifer tarandus*). *Arctic*, 44: 217-22.
- Colman, J. E., C. Pedersen, D. O. Hjermann, O. Holand, S. R. Moe, and E. Reimers. 2003a. Do wild reindeer exhibit grazing compensation during insect harassment? *J Wildl Manag*, 67 (1): 11-19.
- Colman, J. E., C. Pedersen, D. Ø. Hjermann, Ø. Holand, S. R. Moe, and E. Reimers. 2003b. Do wild reindeer exhibit grazing compensation during insect harassment? *Journal of Wildlife Management*, 67: 11-19.

TECHNICAL REPORT REFERENCE LIST

- Corbet, P. S. and H. V. Danks. 1973. Seasonal emergence and activity of mosquitoes (Diptera: culicidae) in high-arctic locality. *The Canadian Entomologist*, 105: 837-72.
- Cornelissen, J. H. C., T. V. Callaghan, J. M. Alatalo, A. Michelsen, E. Graglia, A. E. Hartley, D. S. Hik, s. E. Hobbie, M. c. Press, C. H. Robinson, G. H. R. Henry, G. R. Shaver, G. K. Phoenix, D. Gwynn Jones, S. Jonasson, F. S. Chapin III, U. Molau, C. Neill, J. A. Lee, J. M. Melillo, B. Sveinbjornsson, and R. Aerts. 2001. Global change and arctic ecosystems: is lichen decline a function of increases in vascular plant biomass? *Journal of Ecology*, 89: 984-94.
- Couturier, S., S. D. Côté, R. D. Otto, R. B. Weladji, and J. Huot. 2009. Variation in Calf Body Mass in Migratory Caribou: The Role of Habitat, Climate, and Movements. *Journal of Mammalogy*, 90 (2): 442-52.
- Crete, M. and J. Huot. 1993. Regulation of a large herd of migratory caribou: summer nutrition affects calf growth and body reserves of dams. *Canadian Journal of Zoology*, 71: 2291-96.
- Cronin, M. A., S. C. Amstrup, G. M. Durner, L. E. Noel, T. L. McDonald, and W. B. Ballard. 1998. Caribou distribution during the post-calving period in relation to infrastructure in the Prudhoe Bay oil field, Alaska. *Arctic*, 51 (2): 85-93.
- Cumberland Resources Ltd. 2005. Meadowbank Gold Project: Final Environmental Impact Statement. Prepared for the Nunavut Impact Review Board by Cumberland Resources Ltd.: Iqaluit, NU.
- Cumming, H. G. and B. T. Hyer. 1998. Experimental log hauling through a traditional caribou wintering area. *Rangifer*, Spec. Issue No. 10: 241-58.
- Curatolo, J. A. 1975. Factors influencing local movements and behaviour of Barren-ground Caribou, *Rangifer tarandus granti*. M.Sc. thesis. 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 *Rangifer-Tarandus*. *Canadian Field-Naturalist*, 100 (2): 218-24.
- Currie, D. C. 1997. Black flies (Diptera: Simuliidae) of the Yukon, with reference to the black-fly fauna of northwestern North America. In *Insects of the Yukon*. Eds. H. V. Danks and J. A. Downes. Ottawa, Ontario: Biological Survey of Canada.
- Curry, P. S., B. T. Elkin, M. Campbell, and K. Nielsen. 2011. Filter-paper blood samples for ELISA detection of *Brucella* antibodies in caribou. *Journal of wildlife diseases*, 47 (1): 12-20.
- Cutler, T. L. and D. E. Swann. 1999. Using remote photography in wildlife ecology: a review. *Wildlife Society Bulletin*, 27 (3): 571-81.
- Dale, B. W., L. G. Adams, W. B. Collins, K. Joly, P. Valkenburg, and R. Tobey. 2008. Stochastic and compensatory effects limit persistence of variation in body mass of young caribou. *Journal of Mammalogy*, 89: 1130-35.
- Dallimore, S. R. and J. L. Davis. 1992. Ground penetrating radar investigations of massive ground ice. Geological Survey of Canada.
- Dallimore, S. R. and D. A. Wolfe. 1988. Massive ground ice associated with glaciofluvial sediments, Richards Island, N.W.T., Canada. Trondheim, Norway.
- Danks, H. V. 2004. Seasonal adaptations in arctic insects. *Integrative and Comparative Biology*, 44: 85-94.
- Dau, J. R. and R. D. Cameron. 1986. Effects of a road system on caribou distribution and calving. *Rangifer*, Special Issue 1: 95-101.

- 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.
- Davies, D. M. 1952. The population and activity of adult female black flies in the vicinity of a stream in Algonquin Park, Ontario. *Canadian Journal of Zoology*, 30: 287-321.
- DDMI. 2004. 2003 Wildlife Monitoring Report. Diavik Diamond Mines Inc.:
- De Beers Canada Inc. 2010. Gahcho Kue Project: Environmental Impact Statement. Section 7 Key Line of Inquiry: Caribou. De Beers Canada Inc.: n.p.
- Downes, C. M., J. B. Theberge, and S. M. Smith. 1986. The influence of insects on the distribution, microhabitat choice, and behaviour of the Burwash caribou herd. *Canadian Journal of Zoology*, 64: 622-29.
- Dredge, L. A., D. E. Kerr, and S. A. Wolfe. 1999. Surficial materials and related ground ice conditions, Slave Province, N.W.T., Canada. *Canadian Journal of Earth Sciences*, 36 (7): 1227-38.
- Dubey, J. P., C. Sreekumar, B. M. Rosenthal, M. C. Vianna, M. Nylund, S. Nikander, and A. Oksanen. 2004. Redescription of *Besnoitia tarandi* (Protozoa: Apicomplexa) from the reindeer (*Rangifer tarandus*). *International Journal of Parasitology*, 34: 1273-87.
- Dumond, M. and D. S. Lee. 2013. Dolphin and Union Caribou Herd Status and Trend. *Arctic*, 66 (3): 329-37.
- Dunford, J., P. D. McLoughlin, F. Dalerum, and S. Boutin. 2006. Lichen abundance in the peatlands of northern Alberta: implications for boreal caribou. *Ecoscience*, 13: 469-74.
- Dyer, S. J., J. P. O'Neill, S. M. Wasel, and S. Boutin. 2001. Avoidance of industrial development by woodland caribou. *Journal of Wildlife Management*, 65 (3): 531-42.
- Dyer, S. J., J. P. O'Neill, S. M. Wasel, and S. Boutin. 2002. Quantifying barrier effects of roads and seismic lines on movements of female woodland caribou in northeastern Alberta. *Canadian Journal of Zoology*, 80: 839-45.
- Efroymsen, R. A. and G. W. Suter. 2001. Ecological Risk Assessment Framework for Low-Altitude Aircraft Overflights: II. Estimating Effects on Wildlife. *Risk Anal*, 21 (2): 263-74.
- ERM. 2015a. Doris North Project: 2014 Wildlife Compliance Program. Prepared for TMAC Resources Inc. by ERM Consultants Canada Ltd.: Yellowknife, Northwest Territories.
- ERM. 2015b. Ekati Diamond Mine: 2014 Wildlife Effects Monitoring Program. Report Produced for Dominion Diamond Ekati Corporation by ERM Consultants Canada Ltd.: Yellowknife, NT.
- ERM. 2016a. *Error! Unknown document property name.*: . Prepared for **Error! Unknown document property name.** by ERM Consultants Canada Ltd.: **Error! Unknown document property name.**
- ERM. 2016b. *Doris North Project: 2015 Wildlife Mitigation and Monitoring Plan Compliance Monitoring Report*. Prepared for TMAC Resources Inc. by ERM Consultants Canada Ltd: Yellowknife, Northwest Territories.
- Espmark, Y. 1980. Effects of maternal pre-partum undernutrition on early mother-calf relationships. E. Reimers, E. Gaare, and S. Skjenneberg, Eds. *Proceedings of the Second Reindeer/Caribou Symposium*. Roros, Norway: Direktoratet for vilt og ferskvannsfisk.
- Everett, K. R. 1980. Distribution and properties of road dust along the northern portion of the Haul Road. Environmental engineering and ecological baseline investigations along the Yukon River-Prudhoe Bay Haul Road CRREL Report: 80-19.

TECHNICAL REPORT REFERENCE LIST

- Fancy, S. G. 1986. Daily energy budgets of caribou: a simulation approach. PhD diss., University of Alaska, Fairbanks.
- Fancy, S. G. and R. G. White. 1985. Energy expenditure by caribou while cratering in snow. . *Journal of Wildlife Management*, 49: 987-93.
- Fancy, S. G. and R. G. White. 1985. Energy Expenditures by Caribou while Cratering in Snow. *The Journal of Wildlife Management*, 49 (4): 987-93.
- Fancy, S. G. and K. R. Whitten. 1991. Selection of calving sites by Porcupine herd caribou. *Canadian Journal of Zoology*, 69 (7): 1736-43.
- Fauchald, P., R. Rodven, B. J. Bardsen, K. Langeland, T. Tveraa, N. G. Yoccoz, and R. A. Ims. 2007. Escaping parasitism in the selfish herd: age, size and density-dependent warble fly infestation in reindeer. *Oikos*, 116: 491-99.
- Ferguson, M. A. D., L. Gauthier, and F. Messier. 2001. Range shift and winter foraging ecology of a population of Arctic tundra caribou. *Canadian Journal of Zoology*, 79: 746-58.
- Festa-Bianchet, M., J. M. Gaillard, and J. Jorgenson. 1998. Mass- and density-dependent reproductive success and reproductive costs in a capital breeder. *The American Naturalist*, 152 (3): 367-79.
- Festa-Bianchet, M., J. C. Ray, S. Boutin, S. Cote, and A. Gunn. 2011. Conservation of caribou (*Rangifer tarandus*) in Canada: an uncertain future. *Canadian Journal of Zoology-Revue Canadienne De Zoologie*, 89 (5): 419-34.
- Fisher, J. T., L. D. Roy, and M. Hiltz. 2009. Barren-ground Caribou Management in the Northwest Territories: An Independent Peer Review. Alberta Research Council: Vegreville, Alberta.
- Flanders, D., A. Gunn, P. Cizek, and D. Gladders. 2009. Caribou Landscape Vulnerability Mapping Bathurst Inlet Port and Road. Submitted to the Nunavut Impact Review Board as Part of the CARC Technical Presentation by the Canadian Arctic Resources Committee:
- Folstad, I., a. C. Nilssen, O. Halvorsen, and J. Andersen. 1991. Parasite avoidance - the cause of post-calving migrations in Rangifer. *Canadian Journal of Zoology*, 69: 2423-29.
- Forbes, B. C., J. J. Ebersole, and B. Strandberg. 2001. Anthropogenic Disturbance and Patch Dynamics in Circumpolar Arctic Ecosystems. *Conservation Biology*, 15 (4): 954-69.
- Forchhammer, M. C., E. Post, N. C. stenseth, and D. M. Boertmann. 2002. Long-term responses in arctic ungulate dynamics to changes in climatic and trophic processes. *Population Ecology*, 44 (2): 113-20.
- Forde, T., K. Orsel, J. De Buck, and S. D. Côté. 2012. Detection of *Mycobacterium avium* subspecies paratuberculosis in several herds of Arctic Caribou (*Rangifer tarandus* ssp.). *Journal of wildlife diseases*, 48 (4): 918-24.
- Fortin, D., H. L. Beyer, M. S. Boyce, D. W. Smith, T. Duchesne, and J. S. Mao. 2005. Wolves influence elk movements: behaviour shapes a trophic cascade in Yellowstone National Park. *Ecology*, 86: 1320-30.
- Francesco Ficetola, G. and M. Denoël. 2009. Ecological thresholds: an assessment of methods to identify abrupt changes in species-habitat relationships. *Ecography*, 32 (6): 1075-84.
- Frape, S. and P. Fritz. 1987. Geochemical trends for groundwater from the Canadian Shield, in saline water and gases from crystalline rocks. Geological Association of Canada Special Paper 13:19-38.
- Frid, A. and L. M. Dill. 2002. Human-caused Disturbance Stimuli as a Form of Predation Risk. *Conservat Ecol*, 6 (1): 11.

- Frid, A. and L. M. Dill. 2002. Human-caused disturbance stimuli as a form of predation risk. *Conservation Ecology*, 6 (1):
- Fruetel, M. and M. W. Lankester. 1989. Gastrointestinal helminths of woodland and barren ground caribou (*Rangifer tarandus*) in Canada, with keys to species. *Canadian Journal of Zoology*, 67 (9): 2253-69.
- Gaillard, J. M., R. Andersen, D. Delorme, and J. D. C. Linnell. 1998. Family effects on growth and survival of juvenile roe deer. *Ecology*, 79: 2878-89.
- Gaillard, J. M., M. Festa-Bianchet, and N. G. Yoccoz. 1998. Population dynamics of large herbivores: variable recruitment with constant adult survival. *Trends in Ecology and Evolution*, 13 (2): 58-63.
- Gaillard, J. M., M. Festa-Bianchet, N. G. Yoccoz, A. Loison, and C. Toigo. 2000. Temporal variation in fitness components and population dynamics of large herbivores. *Annual Review of Ecology and Systematics*, 31 (1): 367-93.
- Gaillard, J. M., A. Loison, M. Festa-Bianchet, N. G. Yoccoz, and E. J. Solberg. 2003. Ecological correlates of life span in populations of large herbivorous mammals. *Population and Development Review*, 19 (1): 39-56.
- Garrett, K., A. D. M. Dobson, J. Kroschel, B. Natarajan, S. Orlandini, H. E. z. Tonnang, and C. Valdivia. 2013. The effects of climate variability and the color of weather time series on agricultural diseases and pests, and on decisions for their management. *Agricultural and Forest Meteorology*, 170: 216-27.
- Gartner Lee Ltd. 2008. Field Report - Back River Project: Wildlife and Wildlife Habitat. Prepared for Dundee Precious Metals Inc. by Gartner Lee Limited: Burnaby, BC.
- Gerhart, K. L., R. G. White, R. D. Cameron, and D. E. Russell. 1996. Body composition and nutrient reserves of arctic caribou. *Canadian Journal of Zoology*, 74 (1): 136-46.
- Gerhart, K. L., R. G. White, R. D. Cameron, D. E. Russell, and D. Van de Wetering. 1997. Pregnancy rate as an indicator of nutritional status in *Rangifer*: implications of lactational infertility. *Rangifer*, 17 (1): 21-24.
- Gervazi, V., H. Sand, B. Zimmerman, J. Mattison, P. Wabakken, and J. D. C. Linnell. 2013. Decomposing risk: landscape structure and wolf behavior generate different predation patterns in two sympatric ungulates. *Ecological Applications*, 23: 1722-34.
- Gibeau, M. L., A. P. Clevenger, S. Herrero, and J. Wierzchowski. 2002. Grizzly bear response to human development and activities in the Bow River Watershed, Alberta, Canada. *Biol Conservat*, 103 (2): 227-36.
- Glover, G. J., M. Swendrowski, and R. J. Cawthorn. 1990. An epizootic of besnoitiosis in captive caribou (*Rangifer tarandus caribou*), reindeer (*Rangifer tarandus tarandus*) and mule deer (*Odocoileus hemionus hemionus*). *J Wildl Dis*, 26: 186-95.
- Glynn, M. K. and T. V. Lynn. 2008. Brucellosis. *Journal of the American Veterinary Medical Association*, 233 (6): 900-08.
- Golder. 2014. Diavik Diamond Mines (2012) Inc.: 2014 Wildlife Monitoring Report. Report Prepared for Diavik Diamond Mines (2012) Inc. by Golder Associates Ltd.: Yellowknife, NT.
- Golder Associates Ltd. 2012. SD 6-1 Permafrost Thermal Regime Baseline Studies - Meliadine Gold Project, Nunavut. Prepared for Agnico-Eagle Mines Ltd. by Golder Associates Ltd.: Rouyn-Noranda, QC.
- Golder Associates Ltd. 2013. Meliadine Draft Environmental Impact Statement - Volume 7 Freshwater Environment - Appendix 7.2-A Groundwater Quality Baseline Report. Prepared by Golder Associates Ltd. for Agnico-Eagle Mines Ltd.: Kanata, ON.

TECHNICAL REPORT REFERENCE LIST

- Golder. 2015. Snap Lake Mine: 2014 Annual Wildlif and Wildlife Habitat Protection Report. Report Prepared for De Beers Canada Inc. by Golder Associates Ltd.: Yellowknife, NT.
- Gould, W. A. 1998. A multiple -scale analysis of plant species richness, vegetation, landscape heterogeneity, and spectral diversity along an Arctic river. Ph. D. diss., University of Colorado.
- Gould, W. A., S. Edlund, S. Zoltai, M. Raynolds, D. A. Walker, and H. Maier. 2002. Canadian Arctic vegetation mapping. *International Journal of Remote Sensing*, 23 (21): 4597-609.
- Gould, W. A., M. Raynolds, and D. A. Walker. 2003. Vegetation, plant biomass, and net primary productivity patterns in the Canadian Arctic. *Journal of Geophysical Research*, 108 (D2, 8167): doi:10.1029/2001JD000948, 2003.
- Gould, W. A. and M. D. Walker. 1999. Plant communities and landscape diversity along a Canadian Arctic river. *Journal of Vegetation Science*, 10 (4): 537-48.
- Gowan, R. J. and S. R. Dallimore. 1990. Ground ice associated with granular deposits in the Tuktoyaktuk coastlands area, N.W.T. National Research Council Canada.
- Griffith, B., D. Douglas, N. Walsh, D. Young, T. McCabe, D. Russell, R. White, R. Cameron, and K. Whitten. 2002. Arctic Refuge coastal plain terrestrial wildlife research summaries. The Porcupine caribou herd. Biological Science Report BSR-2002-0001. United States Geological Survey, Biological Resources Division: AK.
- Griffith, B., A. Gunn, D. Russel, J. Johnstone, K. Kielland, S. Wolfe, and D. C. Douglas. 2001. Bathurst caribou calving ground studies: influence of nutrition and human activity on calving ground location. Prepard for the West Kitikmeot Slave Study Society: Yellowknife, NWT.
- Grosse, G., J. Harden, M. Turetsky, A. D. McGuire, P. Camill, C. Tarnocai, S. Frolking, E. A. G. Schuur, T. Jorgenson, S. Marchenko, V. Romanovsky, K. P. Wickland, N. French, M. Waldrop, L. Bourgeau-Chavez, and R. G. Striegl. 2011. Vulnerability of high-latitude soil organic carbon in North America to disturbance. *Journal of Geophysical Research* 116: 1-23.
- Gunn, A., J. Boulanger, and J. Williams. 2005. Calf Survival and Adult Sex Ratio in the Bathurst Herd of Barren-ground caribou. Yellowknife, NWT: Manuscript Report No.163, Department of Environment and Natural Resources, Government of the Northwest Territories.
- Gunn, A., A. Buchan, B. Fournier, and J. Nishi. 1997. Victoria Island caribou migrations across Dolphin and Union Strait and Coronation Gulf from the mainland coast, 1976-94. Yellowknife, NWT: Manuscript Report No. 94, Department of Environment and Resources, Wildlife and Economic Development, Government of the Northwest Territories.
- Gunn, A., A. D'Hont, J. Williams, and J. Boulanger. 2008. Satellite Collaring in the Bathurst Herd of Barren-ground Caribou 1996-2005. Department of Environment and Natural Resources, Government of the Northwest Territories. Unpublished Manuscript Report: Yellowknife, NT.
- Gunn, A., A. D'Hont, J. Williams, and J. Boulanger. 2013. Satellite Collaring in the Bathurst Herd of Barren-ground Caribou. 1996 to 2005. Manuscript Report No. 225. Government of the Northwest Territories, Environment and Natural Resources: Yellowknife, NT.
- Gunn, A. and A. D'Hont. 2002. Extent of Calving for the Bathurst and Ahiak Caribou Herds, June 2002. Manuscript Report No. 149. Government of the Northwest Territories, Department of Environment and Resources, Wildlife and Economic Development: Yellowknife, NT.
- Gunn, A., R. Don, R. G. White, and G. Kofinas. 2009. Facing a Future of Change: Wild Migratory Caribou and Reindeer. *Arctic*, 62 (3): iii-vi.

- Gunn, A. and J. Dragon. 2002. Peary caribou and muskox abundance and distribution on the western Queen Elizabeth Islands, Northwest Territories and Nunavut, June-July 1997. Report No. 130. Department of Resources, Wildlife and Economic Development: Yellowknife, Northwest Territories.
- Gunn, A., J. Dragon, and J. Boulanger. 2002. Seasonal Movements of Satellite-Collared Caribou from the Bathurst Herd. Yellowknife, NWT: Final report prepared for the West Kitikmeot Slave Study Society.
- Gunn, A., J. Dragon, and J. Nishi. 1997. Bathurst calving ground survey, 1996. Department of Environment and Resources, Wildlife and Economic Development, Government of the Northwest Territories. File Report No. 119: Yellowknife, NT.
- Gunn, A. and B. Fournier. 2000. Calf survival and seasonal migrations of a mainland muskox population. Yellowknife, NWT: File Report No. 124, NWT Resources, Wildlife, and Economic Development.
- Gunn, A., B. Fournier, and J. Nishi. 2000. Abundance and distribution of the Queen Maud gulf Caribou Herd, 1986-98. Yellowknife, NWT: Manuscript Report No. 126, Department of Resources, Wildlife and Economic Development, Government of the Northwest Territories.
- Gunn, A., B. Griffith, G. Kofinas, and D. Russell. 2001. Cumulative impacts and the Bathurst caribou herd: Proposed tools for assessing the effects. Prepared for the Department of Indian Affairs and Northern Development: Yellowknife, NT.
- Gunn, A., A. Gunn, D. Russell, and L. Greig. 2014. Insights into integrating cumulative effects and collaborative co-management for migratory tundra caribou herds in the Northwest Territories, Canada. *Ecology and society*, 19 (4):
- Gunn, A. and R. J. Irvine. 2003. Subclinical Parasitism and Ruminant Foraging Strategies: A Review. *Wildlife Society Bulletin (1973-2006)*, 31 (1): 117-26.
- Gunn, A. and R. J. Irvine. 2003. Subclinical parasitism and ruminant foraging strategies: a review. *Wildlife Society Bulletin*, 31: 117-26.
- Gunn, A., J. Nishi, J. Boulanger, and J. Williams. 2005. An Estimate of Breeding Females in the Bathurst Herd of Barren-ground caribou, June 2003. Department of Environment and Natural Resources, Government of the Northwest Territories. Manuscript Report No. 164: Yellowknife, NT.
- Gunn, A. and K. G. Poole. 2009. Environmental trends across the range of the Bathurst caribou herd and timing of the arrival of cows on their calving ground 1996-2009. SC 417469. Yellowknife, NWT.
- Gunn, A., K. G. Poole, and J. Wierzchowski. 2008. A geostatistical analysis for the patterns of caribou occupancy on the Bathurst calving grounds 1966-2007. Indian and Northern Affairs Canada: Yellowknife, NT.
- Gunn, A., D. Russell, and J. Eamer. 2011a. Northern caribou population trends in Canada. Canadian Biodiversity: Ecosystem Status and Trends 2010, Technical Thematic Report No. 10. Canadian Councils of Resource Ministers: Ottawa, ON.
- Gunn, A., D. Russell, and J. Eamer. 2011b. Northern caribou population trends in Canada. Canadian Biodiversity: Ecosystem Status and Trends 2010. Technical Thematic Report No. 10. Canadian Councils of Resource Ministers: Ottawa, ON.
- Gunn, A. and T. Skogland. 1997. Response of caribou and reindeer to global warming. In *Global change and arctic terrestrial ecosystems*. Eds. W. C. Oechel, T. C. Callaghan, T. Gilmanov, J. I. Holten, B. Maxwell, U. Molau, and B. Sveinbjornsson. New York, USA: Springer-Verlag.
- Gustine, D. D., P. S. Barboza, J. P. Lawler, L. G. Adams, K. L. Parker, S. M. Arthur, and B. S. Shults. 2012. Diversity of nitrogen isotopes and protein status in caribou: implications for monitoring northern ungulates. *Journal of Mammalogy*, 93 (3): 778-90.

TECHNICAL REPORT REFERENCE LIST

- Gustine, D. D., T. J. Brinkman, M. A. Lindgren, J. L. Schmidt, T. S. Rupp, and L. G. Adams. 2014. Climate-driven effects of fire on winter habitat for caribou in the Alaskan-Yukon Arctic. *PLoS ONE*, 9 (7): e100588. doi:10.1371/journal.pone.0100588.
- Hagemoen, R. I. M. and E. Reimers. 2002. Reindeer summer activity pattern in relation to weather and insect harassment. *Journal of Animal Ecology*, 71: 883-92.
- Hansen, B. B., R. Aanes, I. Herfindal, J. Kohler, and B. E. Saether. 2011. Climate, icing, and wild arctic reindeer: past relationships and future prospects. *Ecology*, 92 (10): 1917-23.
- Harrington, F. H. and A. M. Veitch. 1992. Calving success of woodland caribou exposed to low-level jet fighter overflights. *Arctic*, 45 (3): 213-18.
- Harvell, D., S. Altizer, I. M. Cattadori, L. Harrington, and E. Weil. 2009. Climate change and wildlife diseases: When does the host matter the most? *Ecology*, 90: 912-20.
- Hawlena, H., B. R. Krasnov, Z. Abramsky, K. I.S., D. Saltz, M. Kam, A. Tamir, and A. A. Degen. 2006. Flea infestation and energy requirements of rodent hosts: are there general rules? *Functional Ecology*, 20: 1028-36.
- Heard, D. C. and P. Gray. 1989. Habitat. In *People and Caribou in the Northwest Territories*. Ed. E. Hall. 74-79. Yellowknife, NWT: Department of Renewable Resources, Diavik Diamond project: Environmental Effects Report, Wildlife. Prepared for Diavik Diamond Mines Inc.
- Heard, D. C. and J.-P. Ouellet. 1994. Dynamics of an Introduced Caribou Population. *Arctic*, 47 (1): 88-95.
- Heard, D. C. and T. M. Williams. 1991. Bathurst calving ground survey June 1986. Department of Renewable Resources, Government of the Northwest Territories.
- Heard, D. C. and T. M. Williams. 1992. Distribution of Wolf Dens on Migratory Caribou Ranges in the Northwest Territories, Canada. *Canadian Journal of Zoology*, 70 (8): 1504-10.
- Heard, D. C., T. M. Williams, and D. A. Melton. 1996. The relationship between food intake and predation risk in migratory caribou and implications to caribou and wolf population dynamics. *Rangifer*, Special Issue, 2: 37-44.
- Hebblewhite, M. and E. H. Merrill. 2007. Multiscale wolf predation risk for elk: does migration reduce risk. *Oecologia*, 152: 377-87.
- Heerden, J. V., H. J. Els, E. J. Raubenheimer, and J. H. Williams. 1993. Besnoitiosis in a horse. *Journal of South African Veterinary Association*, 64: 92-95.
- Helle, T. and I. Kojola. 1994. Body mass variation in semidomesticated reindeer. *Canadian Journal of Zoology*, 72 (4): 681-88.
- Helle, T. and M. Särkelä. 1993. The effects of outdoor recreation on range use by semi-domesticated reindeer. *Scandinavian Journal of Forest Research*, 8: 123-33.
- Helle, T. and L. Tarvainen. 1984. Effects of insect harassment on weight gain and survival in reindeer calves. *Rangifer*, 4: 24-27.
- Hewison, A. J. M. and J. M. Gaillard. 2001. Phenotypic Quality and Senescence Affect Different Components of Reproductive Output in Roe Deer. *Journal of Animal Ecology*, 70 (4): 600-08.
- Hickling, R., D. b. Roy, J. K. Hill, R. J. Fox, and C. D. thomas. 2006. The distributions of a wide range of taxonomic groups are expanding polewards. *Global Change Biology*, 12: 450-55.

- Hoar, B. M., K. Ruckstuhl, and S. J. Kutz. 2012. Development and availability of the free-living stages of *Ostertagia gruehneri*, an abomasal parasite of barren-ground caribou (*Rangifer tarandus groenlandicus*), on the Canadian tundra. *Parasitology*, 139: 1093-100.
- Hoffmann, P. and L. Hall. 1993. Geology, Slave craton and environs, District of Mackenzie, Northwest Territories, Open File 2559. In: Geological Survey of Canada.
- Hohnstein, D. 1996. Presentation on Lupin Gold Mine to the Environmental Assessment Panel Review of BHP Diamonds Inc. NWT Diamonds Project:
- Holmes, K. R., T. A. Nelson, N. C. Coops, and M. A. Wulder. 2013. Biodiversity Indicators Show Climate Change Will Alter Vegetation in Parks and Protected Areas. *Diversity*, 5 (2): 352-73.
- Holt, E. A., B. McCune, and P. Neitlich. 2008. Grazing and fire impacts on macrolichen communities of the Seward Peninsula, Alaska, U.S.A. *The Bryologist*, 111: 68-83.
- Horejsi, B. L. 1981. Behavioral-response of barren ground caribou to a moving vehicle. *Arctic*, 34 (2): 180-85.
- Hovey, F. W., L. L. Fremsater, R. G. white, D. E. Russell, and F. L. Bunnell. 1989. Computer simulation models of the Porcupine caribou herd: II. Growth. Technical Report Servies No. 54. Canadian Wildlife Service, Pacific and Yukon Region: British Columbia.
- Howes, D. E. and E. Kenk. 1997. Terrain Classification System for British Columbia. Version 2. BC Ministry of Environment: Victoria, BC.
- Hueffer, K., T. M. O'Hara, and E. H. Follmann. 2011. Adaptation of mammalian host-pathogen interactions in a changing arctic environment. *Acta Veterinaria Scandinavica*, 53 (1):
- Hughes, J., S. D. Albon, R. J. Irvine, and S. Woodin. 2009. Is there a cost of parasites to caribou? *Parasitology*, 136 (2): 253-65.
- Hulme, P. E. 2005. Adapting to climate change: is there scope for ecological management in the face of a global threat? *Journal of Applied Ecology*, 42: 784-94.
- Irvine, R. J. 2006. Parasites and the dynamics of wild mammal populations. *Animal Science*, 82: 775-81.
- Jalkotzy, M. G., P. I. Ross, and M. D. Nasserden. 1997. The Effects of Linear Developments on Wildlife:
- Jandt, R., K. Joly, C. Randy Meyers, and C. Racine. 2008. Slow Recovery of Lichen on Burned Caribou Winter Range in Alaska Tundra: Potential Influences of Climate Warming and Other Disturbance Factors. *Arctic, Antarctic, and Alpine Research*, 40 (1): 89-95.
- Jefferies, R. L. 1992. Tundra grazing systems and climate change. In *Arctic ecosystems in a changing climate an ecophysiological perspective*. Ed. F. S. Chapin, R.L. Jefferies, J.F. Reynolds, G.R. Shaver, J. Svoboda, and E.W. Chu. 391-412. New York: Academic Press.
- Jenkins, D. A., M. Campbell, G. Hope, J. Goorts, and P. McLoughlin. 2011. Recent trends in abundance of Peary Caribou (*Rangifer tarandus pearyi*) and Muskoxen (*Ovibos moschatus*) in the Canadian Arctic Archipelago, Nunavut. Wildlife Report No. 1, Version 2. Department of Environment, Wildlife Research Section: Pond Inlet, NU.
- Jia, G. J., H. E. Epstein, and D. A. Walker. 2009. Vegetation Greening in the Canadian Arctic Related to Decadal Warming. *Journal of Environmental Monitoring* 11: 2231-38.
- Johnson, J. Nagy, and J. Williams. 2008. Calving Ground Surveys of the Ahiak Herd of Barren Ground Caribou June 2006 - 2008. Government of the Northwest Territories, Department of Environment and Natural Resources: Yellowknife, NT.

TECHNICAL REPORT REFERENCE LIST

- Johnson, C. J., L. P. W. Ehlers, and D. R. Seip. 2015. Witnessing extinction - Cumulative impacts across landscapes and the future loss of an evolutionarily significant unit of woodland caribou in Canada. *Biological Conservation*, 186: 176-86.
- Johnson, C. J. and M. P. Gillingham. 2005. An evaluation of mapped species distribution models used for conservation planning. *Environ Conservat*, 32 (2): 117-28.
- Johnson, C. J., C. J. Johnson, and D. E. Russell. 2014. Long-term distribution responses of a migratory caribou herd to human disturbance. *Biological conservation*, 177: 52-63.
- Johnson, C. J., S. E. Nielsen, E. H. Merrill, T. L. McDonald, and M. S. Boyce. 2006. Resource selection functions based on use-availability data: Theoretical motivation and evaluation methods. *J Wildl Manag*, 70 (2): 347-57.
- Johnson, C. J., K. L. Parker, D. C. Heard, and M. P. Gillingham. 2002. Movement parameters of ungulates and scale-specific responses to the environment. *J Anim Ecol*, 71 (2): 225-35.
- 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: 1-36.
- Joly, K. 2008. Modeling influences on winter distributions of caribou in northwestern Alaska through use of satellite telemetry. Paper presented at The 12th North American Caribou Workshop, Happy Valley/Goose Bay, Labrador, Canada.
- Joly, K., P. J. Bente, and J. R. Dau. 2007. Response of overwintering caribou to burned habitat in northwest Alaska. *Arctic*, 60: 401-10.
- Joly, K., F. S. Chapin, and D. R. Klein. 2010. Winter habitat selection by caribou in relation to lichen abundance, wildfires, grazing, and landscape characteristics in northwest Alaska. *Ecoscience*, 17: 321-33.
- Joly, K., B. W. Dale, W. B. Collins, and L. G. Adams. 2003. Winter habitat use by female caribou in relation to wildland fires in interior Alaska. *Canadian Journal of Zoology*, 81: 1192-201.
- Joly, K., P. A. Duffy, and T. S. Rupp. 2012. Simulating the effects of climate change on fire regimes in Arctic biomes: implications for caribou and moose habitat. *Ecosphere*, 3 (5): art36.
- Joly, K., R. R. Jandt, and D. R. Klein. 2009. Decrease of lichens in arctic ecosystems: role of wildlife, caribou and reindeer, competition, and climate change. *Polar Research*, 28: 433-42.
- Joly, K., D. R. Klein, D. L. Verbyla, T. S. Rupp, and F. S. Chapin. 2011. Linkages between large-scale climate patterns and the dynamics of Arctic caribou populations. *Ecography*, 34 (2): 345-52.
- Joly, K., D. R. Klein, D. L. Verbyla, T. S. Rupp, and F. S. C. III. 2011. Linkages between large-scale climate patterns and the dynamics of Arctic caribou populations. *Ecography*, 34: 345-52.
- Joly, K., C. M.J., and R. R. Jandt. 2007. Diets of overwintering caribou, *Rangifer tarandus*, track decadal changes in arctic tundra vegetation. *Canadian Field-Naturalist*, 121: 379-83.
- Joly, K., C. Nellemann, and I. Vistnes. 2006. A Reevaluation of Caribou Distribution near an Oilfield Road on Alaska's North Slope. *Wildlife Society Bulletin*, 34 (3): 866-69.
- Joly, K., S. K. Wasser, and R. Booth. 2015. Non-Invasive Assessment of the Interrelationships of Diet, Pregnancy Rate, Group Composition, and Physiological and Nutritional Stress of Barren-Ground Caribou in Late Winter: e0127586. *PloS one*, 10 (6): e0127586.
- Jorgenson, M. T. and T. E. Osterkamp. 2005. Response of boreal ecosystems to varying modes of permafrost degradation. *Canadian Journal of Forestry Research*, 35: 2100-11.
- Kelsall, J. P. 1968. The migratory barren-ground caribou of Canada. Canadian Wildlife Service: Ottawa.

- Klein, D. R. 1968. The introduction, increase, and crash of reindeer on St. Matthew Island. *Journal of Wildlife Management*, 32: 350-67.
- Klein, D. R. 1991. Comparative ecological and behavioural adaptations of *Ovibus moschatus* and *Rangifer tarandus*. *Rangifer*, 12 (2): 47-55.
- Klein, D. R. and M. Shulski. 2009. Lichen recovery following heavy grazing by reindeer delayed by climate warming. *Ambio*, 38 (1): 11-16.
- Knight, R. L. and K. Gutzwiller. 1995. *Wildlife and Recreationists: Coexistence Through Management and Research*. Island Press.
- Kraabel, B. J. and M. W. Miller. 1997. Effect of simulated stress on susceptibility of bighorn sheep neutrophils to *Pasteurella haemolytica* leukotoxin. *Journal of Wildlife Diseases*, 33: 558-66.
- Kuchling, K., D. Chorley, and W. Zawadzki. 2000. Hydrogeological Modelling of Mining Operations at the Diavik Diamonds Project. *Proceedings of the Sixth International Symposium on Environmental Issues and Waste Management in Energy and Mineral Production*: Calgary, AB.
- Kugluktuk Hunter Focus Group. 2012. Hunter, Trapper Focus Group, Kugluktuk November 27, 2012. Rescan: Kugluktuk, NU.
- Kumpula, J., A. Colpaert, and M. Nieminen. 1998. Reproduction and productivity of semidomesticated reindeer in northern Finland. *Canadian Journal of Zoology*, 76: 269-77.
- Kumpula, J., A. Colpaert, and M. Nieminen. 2000. Condition, Potential Recovery Rate, and Productivity of Lichen (*Cladonia* spp.) Ranges in the Finnish Reindeer Management Area. *Arctic*, 53 (2): 152-60.
- Kutz, S., E. Jenkins, A. Veitch, J. Ducrocq, L. Polley, B. Elkin, and S. Lair. 2009. The Arctic as a model for anticipating, preventing, and mitigating climate change impacts on host-parasite interactions. *Vet Parasitol*, 163: 217 - 28.
- Kutz, S. J., B. T. Elkin, D. Panayi, and J. P. Dubey. 2001. Prevalence of *Toxoplasma gondii* Antibodies in Barren-Ground Caribou (*Rangifer tarandus groenlandicus*) from the Canadian Arctic. *The Journal of Parasitology*, 87 (2): 439-42.
- Langvatn, R., S. D. Albon, T. Burkey, and T. H. Clutton-Brock. 1996. Climate, plant phenology and variation in age of first reproduction in a temperate herbivore. *Journal of Animal Ecology*, 65: 653-70.
- Lawhead, B. E., J. P. Parrett, A. K. Prichard, and D. A. Yokel. 2006. A literature review and synthesis on the effect of pipeline height on caribou crossing success. BLM-Alaska Open File Report 106. Bureau of Land Management: Anchorage, AK.
- Leblond, M., J. Frair, D. Fortin, C. Dussault, J. P. Ouellet, and R. Courtois. 2011. Assessing the influence of resource covariates at multiple spatial scales: an application to forest-dwelling caribou faced with intensive human activity. *Landscape Ecology*, 26 (August): 1443-46.
- Leclerc, M., C. Dussault, and M.-H. St-Laurent. 2014. Behavioural strategies towards human disturbances explain individual performance in woodland caribou. *Oecologia*, 176 (1):
- Lefebvre, M. F., S. S. Semalulu, A. E. Oatway, and J. W. Nolan. 1997. Trypanosomiasis in woodland caribou of northern Alberta. *Journal of wildlife diseases*, 33 (2): 271-77.
- Leighton, F. A. and A. A. Gajadhar. 2001. *Besnoitia* spp. and besnoitiosis. In *Parasitic diseases of wild mammals*. pp. 468-78. Iowa, USA: Iowa State University Press.
- Lenart, E., R. T. Bowyer, V. H. Jay, and R. W. Ruess. 2002. Climate change and caribou: Effects of summer weather on forage. *Canadian Journal of Zoology*, 80 (4): 664-78.

TECHNICAL REPORT REFERENCE LIST

- LeResche, R. E. and S. A. Linderman. 1975. Caribou trail systems in northeastern Alaska. *Arctic*, 28: 54-61.
- Levesque, B., V. Messier, Y. Bonnier-Viger, M. Couillard, S. Côté, B. J. Ward, M. D. Libman, S. Gingras, D. Dick, and É. Dewailly. 2007. Seroprevalence of zoonoses in a cree community (Canada). *SDiagnostic Microbiology and Infectious Disease*, 59 (3): 283-86.
- Luick, B. R., J. A. Kitchens, R. G. White, and S. M. Murphy. 1996. Modeling energy and reproductive costs in caribou exposed to low flying military jet aircraft. *Rangifer*, 0 (SPEC. ISSUE 9): 209-11.
- Mackay, J. R. 1962. Pingos of the Pleistocene Mackenzie delta area. *Geographical Bulletin*, 18: 21-63.
- Mackay, J. R. 1992. Lake Stability in an ice-rich permafrost environment: examples from the western Arctic coast. *Aquatic Ecosystems in Semi-arid Regions: Implications for Resource Management, Symposium Series 7*: 1-26.
- Macumber, L. A., L. A. Neville, J. M. Galloway, R. T. Petterson, H. Falck, G. Swindles, C. Crann, I. Clark, P. Gammon, and E. Madsen. 2011. Paleoclimatological assessment of the Northwest Territories and implications for the long term viability of the Tibbit to Contwoyto winter road, part II: March 2010 field season results.
- Magurran, A. E. 1988. *Ecological diversity and its measurement*. 179. Princeton, NJ: Princeton University Press.
- Mahoney, S. P. and J. A. Schaefer. 2002. Hydroelectric development and the disruption of migration in caribou. *Biological Conservation*, 107 (2): 147-53.
- Mallory, C. and S. Aiken. 2004. *Common plants of Nunavut*. Nunavut Department of Education.
- Maier, J. A. K., S. M. Murphy, R. G. White, and M. D. Smith. 1998. Responses of caribou to overflights by low-altitude jet aircraft. *Journal of Wildlife Management*, 62 (2): 752-66.
- Manci, K. M., D. N. Gladwin, R. Villella, and M. G. Cavendish. 1988. *Effects of Aircraft Noise and Sonic Booms on Domestic Animals and Wildlife: a Literature Synthesis*. NERC-88/29. 88pp: Fort Collins, Colorado.
- Matthews, S., H. Epp, and G. Smith. 2001. *Vegetation Classification for the West Kitikmeot / Slave Study Region*. Prepared for the West Kitikmeot / Slave Study Society by the Department of Resources, Wildlife and Economic Development, Government of the Northwest Territories and the Mackenzie Valley Land and Water Board: Yellowknife, NT.
- McDonald, J. C., T. W. Gyorkos, B. Alberton, J. D. Maclean, G. Richer, and D. Juranek. 1990. An outbreak of toxoplasmosis in pregnant women in northern Quebec. *Journal of Infectious Diseases*, 161 (4): 769-74.
- McLaren, M. A. and J. E. Green. 1985. The reaction of muskoxen to snowmobile harassment. *Arctic*, 38: 188-93.
- McLellan, B. N. and D. M. Shackleton. 1988. Grizzly bears and resource-extraction industries effects of roads on behavior habitat use and demography. *Journal of Applied Ecology*, 25 (2): 451-60.
- McLoughlin, P. D., L. R. Walton, H. D. Cluff, P. C. Paquet, and M. A. Ramsay. 2004. Hierarchical Habitat Selection by Tundra Wolves. *Journal of Mammalogy*, 85 (3): 576-80.
- McNeil, P., M. Philippa, E. R. Don, G. Brad, and G. Anne. 2005. Where the wild things are: Seasonal variation in caribou distribution in relation to climate change. *Rangifer*, 25 (4): 51-63.

- Merritt, R. W., D. H. Ross, and G. H. Larson. 1982. Influence of stream temperatures and seston on the growth and production of overwintering larval black flies (Diptera: Simuliidae). *Ecology*, 63 (5): 1322-31.
- Miller, D. R. 1989. 4.4 Effects in Arctic and Subarctic Systems. In *Ecotoxicology and Climate*. Eds. P. Bourdeau, J. A. Haines, W. Klein, and C. R. K. Murti. New York, NY: Scientific Committee on the Problems of the Environment (SCOPE) and John Wiley & Sons Ltd.
- Miller, F. L. 1991. Updated status report on the Peary caribou *Rangifer tarandus pearyi*. COSEWIC: Ottawa, Canada.
- Miller, F. L. and S. J. Barry. 2009. Long-Term Control of Peary Caribou Numbers by Unpredictable, Exceptionally Severe Snow or Ice Conditions in a Non-equilibrium Grazing System. *Arctic*, 62 (2): 175-89.
- Miller, F. L. and A. Gunn. 2003. Catastrophic Die-off of Peary Caribou on the Western Queen Elizabeth Islands, Canadian High Arctic. *Arctic*, 56 (4): 381-90.
- Miller, F. L., M. Rothfels, and D. Russell. 2005. *Hinterland Who's Who: Caribou*. Canadian Wildlife Service: Ottawa.
- Miller, F. L., R. H. Russell, and A. Gunn. 1977. Distributions, movements and numbers of Peary caribou and muskoxen on Western Queen Elizabeth Islands, Northwest Territories, 1972-1974. Edmonton, Alberta.
- Molnar, P. K., S. J. Kutz, B. M. Hoar, and A. P. Dobson. 2013. Metabolic approaches to understanding climate change impacts on seasonal host-macroparasite dynamics. *Ecology Letters*, 16: 9-21.
- Morgan, E. R., E. J. Milner-Gulland, P. R. Torgerson, and G. F. Medley. 2004. Ruminating on complexity: Macroparasites of wildlife and livestock. *Trends in Ecology & Evolution*, 19: 181-88.
- Moorman, B. J. and F. A. Michel. 2003. Burial of glacier ice by deltaic deposition. M. Phillips, S. M. Springman, and L. Arenson, eds. Zurich: Balkema.
- Morneau, C. and S. Payette. 1989. Postfire lichen-spruce woodland recovery at the limit of the boreal forest in northern Quebec. *Canadian Journal of Botany*, 67 (9): 2770-82.
- Mörschel, F. M. and D. R. Klein. 1997. Effects of weather and parasitic insects on the behavior and group dynamics of caribou of the Delta herd, Alaska. *Canadian Journal of Zoology*, 75: 1659-70.
- Moser, T. J., T. H. N. Iii, and J. W. Thomson. 1979. Lichens of Anaktuvuk Pass, Alaska, with Emphasis on the Impact of Caribou Grazing. *The Bryologist*, 82 (3): 393-408.
- Mosser, A. A., T. Avgar, G. S. Brown, C. S. Walker, J. M. Fryxell, and M. M. Humphries. 2014. Towards an energetic landscape: broad-scale accelerometry in woodland caribou. *Journal of Animal Ecology*, 83 (4): 916 - 22.
- Murphy, S. M. and J. A. Curatolo. 1984. Responses of caribou to ramps and pipelines in the west end of the Kuparuk Oil Field, Alaska, 1983. Final report prepared for ARCO Alaska, Inc., Anchorage, by Alaska Biological Research, Fairbanks: Fairbanks, AK.
- Murphy, S. M. and J. A. Curatolo. 1987. Activity Budgets and Movement Rates of Caribou Encountering Pipelines Roads and Traffic in Northern Alaska USA. *Canadian Journal of Zoology*, 65 (10): 2483-90.
- Myneni, R. B., C. D. Keeling, C. J. Tucker, G. Asrar, and R. R. Nemani. 1997. Increased Plant Growth in the Northern High Latitudes from 1981 to 1991. *Nature*, 386: 698-702.
- Nagy, J. A., M. W. Campbell, and A. Kelly. 2012. Herd structure, movements, calving grounds, activity periods, home range similarity, and behaviours of migratory and tundra-wintering barren-ground

TECHNICAL REPORT REFERENCE LIST

- caribou on mainland Nunavut and eastern mainland Northwest Territories, Canada. Technical Report Series 2012 No. 01-12. Nunavut Department of Environment Wildlife Research Section: Arviat, NU.
- Nagy, J. A., D. L. Johnson, N. C. Larter, M. W. Campbell, A. E. Derocher, A. Kelly, M. Dumond, D. Allaire, and B. Croft. 2011. Subpopulation structure of caribou (*Rangifer tarandus* L.) in Arctic and Subarctic Canada. *Ecological Applications*, 21 (2334-2348):
- Naonaiyaotit Traditional Knowledge Project (NTKP), Kitikmeot Inuit Association. Kugluktuk, NU. December 7, 2012.
- Nellemann, C. and R. D. Cameron. 1996. Effects of petroleum development on terrain preferences of calving caribou. *Arctic*, 49 (1): 23-28.
- Nellemann, C. and R. D. Cameron. 1998. Cumulative impacts of an evolving oil-field complex on the distribution of calving caribou. *Canadian Journal of Zoology*, 76 (8): 1425-30.
- Nellemann, 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 (3): 351-60.
- Nellemann, C., I. Vistnes, P. Jordhoy, O. Strand, and A. Newton. 2003a. Progressive impact of piecemeal infrastructure development on wild reindeer. *Biological Conservation*, 113 (2): 307-17.
- Nellemann, C., I. Vistnes, P. Jordhoy, O. Strand, and A. Newton. 2003b. Progressive impact of piecemeal infrastructure development on wild reindeer. *Biological Conservation*, 11 (2): 307-17.
- Nesbitt, L. and J. Adamczewski. 2009. Decline and recovery of the Bathurst caribou herd: workshops Oct. 1 & 2 and 5 & 6 in Yellowknife. Government of the Northwest Territories:
- Newmont. 2011. Phase 2 Hope Bay Belt Project Proposal, Section 4.2.8: Groundwater. Newmont Mining Corporation / Hope Bay Mining Ltd.: North Vancouver, BC.
- Nilssen, A. C. 1997. Factors affecting size, longevity and fecundity in the reindeer oestrid flies *Hypoderma tarandi* (L.) and *Cephenemyia trompe* (Möller). *Ecological Entomology*, 22: 294-304.
- Nishi, J. 2000. Calving and Rutting Distribution of the Dolphin and Union Caribou Herd Based on Radio-telemetry, Victoria Island (1994-1997). Yellowknife, NWT: File Report No 127, NWT Resources, Wildlife and Economic Development.
- Nishi, J., B. Croft, J. Boulanger, and J. Z. Adamczewski. 2010. An estimate of breeding females in the Bathurst herd of barren-ground caribou, June 2009.
- Nishi, J., B. Croft, J. Williams, J. Boulanger, and D. Johnson. 2007. An estimate of breeding females in the Bathurst herd of barren-ground caribou, June 2006. Department of Environment and Natural Resources. Government of the Northwest Territories. File Report No. 137: Yellowknife, NT.
- Nishi, J. and A. Gunn. 2004. An Estimation of Herd Size for the Migratory Dolphin and Union Caribou Herd During the Rut (17 - 22 October 1997). Department of Environment and Resources, Wildlife and Economic Development. Government of the Northwest Territories. File Report No. 13: Yellowknife, NT.
- Noel, L. E., M. K. Butcher, M. A. Cronin, and B. Streever. 2006. Assessment of effects of an oil pipeline on Caribou, *Rangifer tarandus granti*, use of riparian habitats in arctic Alaska, 2001-2003. *Canadian Field-Naturalist*, 120 (3): 323-30.
- Noel, L. E., K. R. Parker, and A. A. Cronin. 2004. Caribou distribution near an oilfield road on Alaska's North Slope, 1978-2001. *Wildlife Society Bulletin*, 32 (3): 757-71.
- Noel, L. E., K. R. Parker, and M. A. Cronin. 2006. Response to Joly et al. (2006), A reevaluation of caribou distribution near an oilfield road on Alaska's North Slope. *Wildlife Society Bulletin*, 34 (3): 870-73.

- Noel, L. E., R. H. Pollard, W. B. Ballard, and M. A. Cronin. 1998. Activity and use of active gravel pads and tundra by Caribou, *Rangifer tarandus granti*, within the Prudhoe Bay oil field, Alaska. *Canadian Field-Naturalist*, 112 (3): 400-09.
- Noel, L. E., R. H. Pollard, W. B. Ballard, and M. A. Cronin. 1998. Activity and use of active gravel pads and tundra by Caribou, *Rangifer tarandus granti*, within the Prudhoe Bay oil field, Alaska. *Canadian Field Naturalist*, 112 (3): 400-09.
- Oksanen, A., K. Gustafsson, A. Lundén, J. P. Dubey, P. Thulliez, and A. Uggla. 1996. Experimental *Toxoplasma gondii* Infection Leading to Fatal Enteritis in Reindeer (*Rangifer tarandus*). *The Journal of Parasitology*, 82 (5): 843-45.
- Olthof, I., D. Pouliot, R. Latifovic, and W. Chen. 2008. Recent (1986 - 2006) vegetation-specific NDVI trends in northern Canada from satellite data. *Arctic*, 61: 381-94.
- Øritsland, N. A. and L. C. Cuyler. 1993. Metabolic strategies for winter survival by Svalbard reindeer. *Canadian Journal of Zoology*, 71 (9):
- Paananen, M. and T. Ruskeeniemä. 2003. Permafrost at Lupin: Interpretation of SAMPO electromagnetic soundings at Lupin. Report YST 117. Geological Survey of Finland, Nuclear Waste Disposal Research
- Parker, K. L., P. S. Barboza, and M. P. Gillingham. 2009. Nutrition integrates environmental responses of ungulates. *Functional Ecology*, 23: 57-69.
- Parker, K. L., P. S. Barboza, and T. R. Stephenson. 2005. Protein conservation in female caribou (*Rangifer tarandus*): Effects of decreasing diet quality during winter. *Journal of Mammalogy*, 86 (3): 610-22.
- Payette, S., S. Boudreau, C. Morneau, and N. Pitre. 2004. Long-term Interactions between Migratory Caribou, Wildfires and Nunavik Hunters Inferred from Tree Rings. *Ambio*, 33 (8): 482.
- Polfus, J. L., M. Hebblewhite, and K. Heinemeyer. 2011. Identifying indirect habitat loss and avoidance of human infrastructure by northern mountain woodland caribou. *Biological Conservation*, 144: 2637-46.
- Pollard, R. H., W. B. Ballard, L. E. Noel, and M. A. Cronin. 1996. Summer distribution of Caribou, *Rangifer tarandus granti*, in the area of the Prudhoe Bay oil field, Alaska, 1990-1994. *Canadian Field Naturalist*, 110 (4): 659-74.
- Poole, K. G., A. Gunn, B. R. Patterson, and M. Dumond. 2010. Sea Ice and Migration of the Dolphin and Union Caribou Herd in the Canadian Arctic An Uncertain Future. *Arctic*, 63 (4): 414-28.
- Poole, K. and A. Gunn. 2016. Management of Caribou Post-calving Area in the Kivalliq Region, Nuanvut. Report for the Kivalliq Inuit Association. 17 pages.
- Post, E., U. S. Bhatt, C. M. bitz, J. F. Brodie, T. L. Fulton, M. Hebblewhite, J. Kerby, S. J. Kutz, I. Stirling, and D. A. Walker. 2013. Ecological consequences of sea ice decline. *Science*, 341: 519-24.
- Post, E. and D. R. Klein. 1999. Caribou calf production and seasonal range quality during a population decline. *Journal of Wildlife Management*, 63: 335-45.
- Post, E. and N. C. Stenseth. 1999. Climatic Variability, Plant Phenology, and Northern Ungulates. *Ecology*, 80: 1322-39.
- Pounds, J. A., M. R. Bustamante, L. A. Coloma, J. a. Consuegra, M. P. L. Fogden, P. N. Foster, E. La Marca, K. L. Masters, A. Merino-Viteri, R. Puschendorf, S. R. Ron, G. A. Sanchez-Azofeifa, C. J. Still, and B. E. Young. 2006. Widespread amphibian extinctions from epidemic disease driven by global warming. *Nature*, 439: 161-67.

TECHNICAL REPORT REFERENCE LIST

- Powell, R. A. 2000. Animal Home Ranges and Territories and Home Range Estimators. In *Research techniques in animal ecology: controversies and consequences*. Ed. L. Boitani and T. K. Fuller. New York, NY: Columbia University Press.
- Price, K., A. Roburn, and A. MacKinnon. 2009. Ecosystem-based management in the Great Bear Rainforest. *Forest Ecology and Management*, 258 (4): 495-503.
- Priest, H. and P. J. Usher. 2004. The Nunavut wildlife harvest study. August 2004. Nunavut Wildlife Management Board: Iqaluit, NU.
- Quinlan, R., M. S. V. Douglas, and J. P. Smol. 2005. Food web changes in arctic ecosystems related to climate warming. *Global Change Biology*, 11: 1381-86.
- Racine, C. H. and G. M. Ahlstrand. 1991. Thaw response of tussock-shrub tundra to experimental all terrain vehicle disturbance in south-central Alaska. *Arctic*, 44: 31-37.
- Racine, C. H., R. R. Jandt, C. R. Meyers, and J. Dennis. 2004. Tundra fire and vegetation change along a hillslope on the Seward Peninsula, Alaska, U.S.A. *Arctic, Antarctic and Alpine Research*, 36 (1): 1-10.
- Rao, D. N. 1982. Responses of Bryophytes to Air Pollution. In *Bryophyte ecology*. Ed. A. J. E. Smith. 445-71. London, UK: Chapman and Hall.
- Reimers, E. 1983. Growth rate and body size differences in Rangifer: a study of cause and effect. *Rangifer* 3: 3-15.
- Reimers, E. 1997. Rangifer population ecology: a Scandinavian perspective. *Rangifer*, 17: 105-17.
- Reimers, E. and J. E. Colman. 2006. Reindeer and Caribou (*Rangifer tarandus*) Response Toward Human Activities. *Rangifer*, 26 (2): 55-71.
- 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*, 134: 484-94.
- Renaud, T. 2004. La besnoitiose bovine. *L'Action Veterinarian*, 1683: 13-15.
- Rescan. 2002. Bathurst Inlet Port and Road Project: Wildlife Baseline Studies, 2001-2002. Prepared for BIPR Joint Venture Ltd. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2007. Bathurst Inlet Port and Road Project: Draft Environmental Impact Statement. Appendix D-1: Ecosystems and Vegetation Effects Assessment. Prepared by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2007a. Bathurst Inlet Port and Road Caribou and Muskox Baseline Study. Prepared for the Bathurst Inlet Port and Road Project by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2010. Thermistor Data Summary, Back River Project. Prepared by Rescan Environmental Services Ltd. for Sabina Gold & Silver Corp.: Vancouver, BC.
- Rescan. 2011. Doris North Gold Mine Project, 2011 Tundra Vehicle Monitoring Program Report.
- Rescan. 2011a. Back River and Hackett River Projects: 2010 Caribou and Muskox Baseline Report. Prepared for Sabina Gold and Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, British Columbia.
- Rescan. 2011b. Doris North Gold Project Wildlife Mitigation and Management Report, 2010. Report prepared for HBML by Rescan Environmental Services, Ltd:
- Rescan. 2012. The Back River Project: Project Description. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.

- Rescan. 2012a. Back River Project: Wildlife Baseline Report 2011. Prepared for Sabina Gold and Silver Corp. by Rescan Environmental Services Ltd: Vancouver, BC.
- Rescan. 2012b. EKATI Diamond Mine: 2011 Air Quality Monitoring Program. Prepared for BHP Billiton Canada Inc. by Rescan Environmental Services Ltd: Yellowknife, NT.
- Rescan. 2013. Back River Project: 2007 to 2012 Metal Leaching/Acid Rock Drainage Baseline Report. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2013a. Back River Project. Wildlife Habitat Suitability Baseline, 2013. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Ltd.: Vancouver, BC.
- Rescan. 2013a. Back River Project: 2012 Ecosystems and Vegetation Baseline Report. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2013b. Back River Project: 2012 Socio-economic and Land Use Baseline Report. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2013d. Back River Project: Habitat selection by Bathurst caribou during the post-calving and summer periods. Prepared for Sabina Gold and Silver Corp. by Rescan Environmental Ltd.: Vancouver BC.
- Rescan. 2013f. Doris North Gold Mine Project: Wildlife Mitigation and Monitoring Program Report, 2012. Prepared for Hope Bay Mining Limited by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2013g. EKATI Diamond Mine: 2012 Wildlife Effects Monitoring Program. Prepared for BHP Billiton Canada Inc., by Rescan Environmental Services Ltd.: Yellowknife, Northwest Territories.
- Rescan. 2013a. Back River Project Terrain and Soils Baseline Report. Prepared for Sabina Gold and Silver Corporation by Rescan Environmental Services Ltd.
- Rescan. 2013c. Back River Project: Plant Tissue and Soil Metals Compilation of 2012 Samples. Prepared by Rescan Environmental Services Ltd. Vancouver, BC, Canada.
- Rescan. 2013d. Back River Project: 2012 Wildlife Habitat Baseline Report. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2014a. Back River Project: 2013 Wildlife Baseline Report. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2014b. Back River Project: 2014 Wildlife Camera Baseline Report. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd., an ERM company: Vancouver, BC.
- Robinson, S. D., B. J. Moorman, A. S. Judge, and S. R. Dallimore. 2003. The characterization of massive ground ice at Yaya Lake, Northwest Territories using radar stratigraphy techniques. Paper 93-1B.
- Rowley, W. A. and C. L. Graham. 1968. The effect of temperature and relative humidity on the flight performance of female *Aedes aegypti*. *Journal of Insect Physiology*, 14 (9): 1251-57.
- Ruskeeniemä, T., M. Paananen, L. Ahonen, J. Kaija, A. Kuivamäki, and S. Frape. 2002. Permafrost at Lupin: Report of Phase I. Geological Survey of Finland.
- Russell, D. E., G. E. Kofinas, and B. Griffith. 2002. Barren-ground caribou calving workshop: report of proceedings. Technical Report Series No. 390. Canadian Wildlife Service: Ottawa, ON.
- 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: 1-168.
- 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: 1-168.

TECHNICAL REPORT REFERENCE LIST

- Russell, D. E. and P. McNeil. 2005. Summer ecology of the Porcupine Caribou Herd. Porcupine Caribou Management Board, Environment Canada, Canadian Wildlife Service, Whitehorse, Yukon Territory, Canada. http://www.taiga.net/pcmb/summer_ecology/PCHSummerEcology3.pdf (accessed
- Russell, D. E., R. G. White, and C. J. Daniel. 2005. Energetics of the Porcupine Caribou Herd: A computer simulation model. Technical Report series No. 431. Canadian Wildlife Service: Ottawa, ON.
- Russell, J. H. 1998. The World of the Caribou. San Francisco, CA: Sierra Club Books For Children.
- Scheer, N. A. A. 2008. The effect of Oestridae fly parasites on the body condition of female Porcupine caribou. Master's diss., University of Maryland, College Park, Maryland.
- Schuur, E. A. G., J. G. Vogel, K. G. Crummer, H. Lee, J. O. Sickman, and T. E. Osterkamp. 2009. The effect of permafrost thaw on old carbon release and net carbon exchange from tundra. *Nature*, 459 (7246): 556-59.
- Scotter, G. w. 1970. Wildfires in relation to the habitat of barren-ground caribou in the taiga of northern Canada. Proceedings of the Annual Tall Timbers Fire Ecology Conference.
- Scrimgeour, G. J., P. J. Hvenegaard, and J. Tchir. 2008. Cumulative industrial activity alters lotic fish assemblages in two boreal forest watersheds of Alberta, Canada. *Environmental management*, 42 (6): 957-70.
- Seip, D. R. 1991. Predation and caribou populations. *Rangifer*, Special Issue No. 7: 46-52.
- Shur, Y. L. and M. T. Jorgenson. 2007. Patterns of permafrost formation and degradation in relation to climate and ecosystems. *Permafrost Periglacial Processes*, 18 (1): 7-19.
- Skarin, A., O. Danell, R. Bergstrom, and J. Moen. 2004. Insect avoidance may override human disturbances in reindeer habitat selection. *Rangifer*, 24 (2): 95-103.
- Skarin, A., Ö. Danell, R. Bergström, and J. Moen. 2008. Summer habitat preferences of GPS-collared reindeer *Rangifer tarandus tarandus*. *Wildlife Biology*, 14: 1-15.
- Skogland, T. 1983. The effects of density-dependent resource limitation on size of wild reindeer. *Oecologia*, 60: 156-68.
- Skogland, T. 1984. The effects of food and maternal conditions on fetal growth and size in wild reindeer. *Rangifer*, 4: 39-46.
- Skogland, T. 1986. Density-dependent food limitation and maximal production in wild reindeer herds. *Journal of Wildlife Management*, 50: 314-19.
- Skogland, T. and B. Grovan. 1988. The Effects of Human Disturbance on the Activity of Wild Reindeer in Different Physical Condition. *Rangifer*, 8 (1): 11-19.
- Slansky, F. 2007. Insect/mammal associations: effects of cutelid bot fly parasites on their hosts. *Annual Review of Entomology*, 52: 17-36.
- Smith, M. W. 1976. Permafrost in the Mackenzie delta, Northwest Territories. Paper 75-28. Geological Survey of Canada: Ottawa, ON.
- Smith, W. A. and R. D. Cameron. 1985. Reactions of large groups of caribou to a pipeline corridor on the Arctic Coastal Plain of Alaska. *Arctic*, 38 (1): 53-57.
- Solberg, E. J., P. Jordhoy, O. Strand, R. Aanes, A. Loison, B.-E. Sether, and J. D. C. Linnell. 2001. Effects of density dependence and climate on the dynamics of a Svalbard reindeer population. *Ecography*, 24: 441-51.

- Sommerman, K. M., R. I. Sailer, and C. O. Esselbough. 1955. Biology of Alaskan black flies (Simuliidae, Diptera). *Ecological Monographs*, 25: 345-85.
- Sonesson, M. 1985. Research in Arctic life and earth sciences: present knowledge and future perspectives. Abisko, Sweden.
- Sorensen, T., P. D. McLoughlin, D. Hervieux, E. Dzus, J. Nolan, B. Wynes, and S. Boutin. 2008. Determining sustainable levels of cumulative effects on boreal caribou. *Journal of Wildlife Management*, 72: 900-05.
- SRK Consulting Inc. 2005. Groundwater Assessment: Doris North Project, Hope Bay, Nunavut, Canada. Prepared for Miramar Hope Bay Ltd. by SRK Consulting Inc.: Vancouver, BC.
- Stephen, C. 2014. Toward a modernized definition of wildlife health. *Journal of Wildlife Disease*, 50 (3): 427-30.
- Stien, A., R. A. Ims, S. D. Albon, E. Fuglei, R. J. Irvine, E. Ropstad, O. Halvorsen, R. Langvatn, L. E. Loe, V. Veiberg, and N. G. Yoccoz. 2012. Congruent responses to weather variability in high arctic herbivores. *Biology Letters*, 8 (6): 1002-05.
- Stotler, R., S. Frape, T. Ruskeeniemä, L. Ahonen, T. Onstott, and M. Hobbs. 2009. Hydrogeochemistry of groundwaters in and below the base of thick permafrost at Lupin, Nunavut, Canada. *Journal of Hydrology*, 373: 80-95.
- Stow, D., A. Petersen, A. Hope, R. Engstrom, and L. Coulter. 2007. Greenness Trends of Arctic Tundra Vegetation in the 1990s: Comparison of Two NDVI Data Sets from NOAA AVHRR Systems. *International Journal of Remote Sensing* 28: 4807-22.
- Summers, P. D., G. M. Cunningham, and L. Fahrig. 2011. Are the negative effects of roads on breeding birds caused by traffic noise? *Journal of Applied Ecology*, 48 (6): 1527-34.
- Sutherland, M. and A. Gunn. 1996. Bathurst calving ground surveys, 1965-1996. Department of Environment and Resources, Wildlife and Economic Development, Government of the Northwest Territories. File Report No. 118.: Yellowknife, NT.
- Sutherland, W. J. 1996. From individual behaviour to population ecology. Oxford: Oxford University Press.
- Syroechkovskii, E. E. 1995. Wild reindeer. Lebanon, New Hampshire: Scientific Publishers, Inc.
- Taillon, J., V. Brodeur, and M. Festa-Bianchet. 2012. Is mother condition related to offspring condition in migratory caribou (*Rangifer tarandus*) at calving and weaning? *Canadian Journal of Zoology*, 90: 393-402.
- Taillon, J., M. Festa-Bianchet, and S. D. Cote. 2012. Shifting targets in the tundra: Protection of migratory caribou calving grounds must account for spatial changes over time. *Biological Conservation*, 147 (1): 163-73.
- Tews, J., M. A. D. Ferguson, and L. Fahrig. 2007. Modeling density dependence and climatic disturbances in caribou: a case study from the Bathurst Island complex, Canadian High Arctic. *Journal of Zoology*, 272 (2): 209-17.
- Tews, J., M. A. D. Ferguson, and L. Fahrig. 2007. Modeling density dependence and climatic disturbances in caribou: a case study from the Bathurst Island complex, Canadian High Arctic. *Journal of zoology* (1987), 272 (2): 209-17.
- 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 (2): 85-98.

TECHNICAL REPORT REFERENCE LIST

- Thomas, D. C. 1982. The relationship between fertility and fat reserves of Peary caribou. *Canadian Journal of Zoology*, 60 (4): 597-602.
- Toupin, B., J. Huot, and M. Manseau. 1996. Effect of Insect Harassment on the Behaviour of the Rivière George Caribou. *Arctic*, 49 (4): 375-82.
- Tucker, C. J., D. A. Slayback, J. E. Pinzon, S. O. Los, R. B. Myneni, and M. G. Taylor. 2001. Higher Northern Latitude NDVI and Growing Season Trends from 1982 to 1999. *International Journal of Biometeorology* 45: 184-90.
- Turetsky, M. R., R. K. Wieder, D. H. Vitt, R. J. Evans, and K. D. Scott. 2007. The disappearance of relict permafrost in boreal North America: Effects on peatland carbon storage and fluxes. *Global Change Biology*, 13 (9): 1922-34.
- Tyler, N. J. C. 2010. Climate, snow, ice, crashes, and declines in populations of reindeer and caribou (*Rangifer tarandus* L.). *Ecological Monographs*, 80 (2): 197-219.
- UNEP, C. Nellemann, L. Kullerud, I. Vistnes, B. C. Forbes, E. Husby, G. P. Kofinas, B. P. Kaltenborn, J. Rouaud, M. Magomedova, R. Bobiwash, C. Lambrechts, P. J. Schei, S. Tveitdal, O. Grøn, and T. S. Larsen. 2001. GLOBIO. Global methodology for mapping human impacts on the biosphere. UNEP/DEWA/TR.01-3. United Nations Environment Programme: n.p.
- Urquhart, D. R. 1981. The Bathurst herd: a review and analysis of information concerning the Bathurst herd of barren-ground caribou in the N.W.T. for the period 6000 B.C to 1980 A.D. NWT Wildlife Service. Unpublished report: Yellowknife, NT.
- Vedry, B., M. Gousailles, M. Affholder, A. Lefaux, and J. Bontoux. 2001. From sewage water treatment to wastewater reuse. One century of Paris sewage farms history. *Water Science & Technology*, 43 (10): 101-07.
- Vistnes, I. and C. Nellemann. 2001. Avoidance of cabins, roads, and power lines by reindeer during calving. *Journal of Wildlife Management*, 65 (4): 915-25.
- Vistnes, I. and C. Nellemann. 2008. The Matter of Spatial and Temporal Scales: a Review of Reindeer and Caribou Response to Human Activity. *Polar Biology*, 31 (4): 399-407.
- Vistnes, I., C. Nellemann, P. Jordhoy, and O. Strand. 2001. Wild reindeer: Impacts of progressive infrastructure development on distribution and range use. *Polar Biology*, 24 (7): 531-37.
- Vistnes, I., C. Nellemann, P. Jordhoy, and O. Strand. 2004. Effects of infrastructure on migration and range use of wild reindeer. *Journal of Wildlife Management*, 68 (1): 101-08.
- Vistnes, I., C. Nellemann, P. Jordhøy, and O. Strand. 2001. Wild reindeer: impacts of progressive infrastructure development on distribution and range use. *Polar Biology*, 24: 531-37.
- Vistnes, I., C. Nellemann, P. Jordhøy, and O. Strand. 2004. Effects of infrastructure on migration and range use of wild reindeer. *Journal of Wildlife Management*, 68: 101-08.
- Vors, L. S. and M. S. Boyce. 2009. Global declines of caribou and reindeer. *Global Change Biology*, 15 (11): 2626-33.
- Vors, L. S., J. A. Schaefer, B. A. Pond, A. R. Rodgers, and B. R. Patterson. 2007. Woodland Caribou Extirpation and Anthropogenic Landscape Disturbance in Ontario. *Journal of Wildlife Management*, 71 (4): 1249-56.
- Walker, D. A. 1999. An integrated vegetation mapping approach for northern Alaska (1: 4 M scale). *International Journal of Remote Sensing*, 20 (15-16): 2895-920.

- Walker, D. A. and K. R. Everett. 1987. Road dust and its environmental impact on Alaskan taiga and tundra. *Arctic and Alpine Research*, 19 (4): 479-89.
- Walker, D. A. and M. D. Walker. 1991. History and pattern of disturbance in Alaskan arctic terrestrial ecosystems: a hierarchical approach to analysing landscape change. *Journal of Applied Ecology*: 244-76.
- Walter, K. M., S. A. Zimov, J. P. Chanton, D. Verbyla, and F. S. Chapin III. 2006. Methane bubbling from Siberian thaw lakes as a positive feedback to climate warming. *Nature*, 443: 71-75.
- Walton, L. R., H. D. Cluff, P. C. Paquet, and M. A. Ramsay. 2001. Movement patterns of barren-ground wolves in the Central Canadian Arctic. *Journal of Mammalogy*, 82 (3): 867-76.
- Weir, J., S. P. Mahoney, B. McLaren, and S. H. Ferguson. 2007. Effects of Mine Development on Woodland Caribou Rangifer Tarandus Distribution. *Wildlife Biology*, 13 (1): 66-74.
- Weisenberger, M. E., P. R. Krausman, M. C. Wallace, D. W. De Young, and O. E. Maughan. 1996. Effects of simulated jet aircraft noise on heart rate and behavior of desert ungulates. *Journal of Wildlife Management*, 60: 52-61.
- Weladji, R. B., Ø. Holand, and T. Almøy. 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 (1): 79-85.
- White, L. 2013. Long-term habitat trends in barren-ground caribou. M.Sc. diss., University of Ottawa.
- White, R. G. 1983. Foraging patterns and their multiplier effects on productivity of northern ungulates. *Oikos*, 40: 377-84.
- White, R. G., B. R. Thomson, T. Skogland, S. J. Person, D. E. Russell, and D. F. Holleman. 1975. Ecology of caribou at Prudhoe Bay, Alaska. Fairbanks, Alaska: Biological Papers of the University of Alaska.
- Whitfield, P. H. and D. Russell. 2005. Recent changes in seasonal variations of climate within the range of northern caribou populations. *Rangifer Special Issue*, 16: 11-18.
- Williams, M., L. E. Street, M. T. Van Wijk, and G. R. Shaver. 2006. Identifying differences in carbon exchange among arctic ecosystem types. *Ecosystems*, 9 (2): 288-304.
- Wilson, R. R., J. R. Liebezeit, and W. M. Loya. 2013. Accounting for uncertainty in oil and gas development impacts to wildlife in Alaska. *Conservation Letters*, 6: 350-58.
- Wilson, R. R., A. K. Prichard, L. S. Parrett, B. T. Person, G. M. Carroll, M. A. Smith, C. L. Rea, and D. A. Yokel. 2012. Summer Resource Selection and Identification of Important Habitat Prior to Industrial Development for the Teshekpuk Caribou Herd in Northern Alaska. *Plos One*, 7 (11):
- Witter, L. A. 2010. interrelationships between weather, parasitic insects, and barren-ground caribou (*Rangifer tarandus groenlandicus*) behaviour in Northwest Territories and Nunavut. Master of Science diss., The University of Northern British Columbia.
- Witter, L. A., C. J. Johnson, B. Croft, A. Gunn, and M. P. Gillingham. 2012. Behavioural trade-offs in response to external stimuli: time allocation of an Arctic ungulate during varying intensities of harassment by parasitic flies. *Journal of Animal Ecology*, 81: 284-95.
- Witter, L. A., C. J. Johnson, B. Croft, A. Gunn, and M. P. Gillingham. 2012. Behavioural trade-offs in response to external stimuli: time allocation of an Arctic ungulate during varying intensities of harassment by parasitic flies. *Journal of Animal Ecology*, 81 (1): 284-95.

TECHNICAL REPORT REFERENCE LIST

- Witter, L. A., C. J. Johnson, B. Croft, A. Gunn, and L. M. Poirier. 2012. Gauging climate change effects at local scales: weather-based indices to monitor insect harassment in caribou. *Ecological Applications*, 22 (6): 1838-51.
- Wolfden Resources Inc. 2006. High Lake Project Environmental Impact Statement. Prepared for the Nunavut Impact Review Board by Wolfden Resources Inc.: Iqaluit, NU.
- Wolfe, S. A. 1998. Massive ice associated with glaciolacustrine delta sediments, Slave geological province, N.W.T., Canada. Yellowknife, NT.
- Wolfe, S. A., M. M. Burgess, M. Douma, C. Hyde, and S. Robinson. 1997. Geological and geotechnical investigations of ground ice in glaciofluvial deposits, Slave Geological Province, NWT.
- Wolfe, S. A., B. Griffith, R. Cameron, R. White, and S. Murphy. 2000. Habitat selection by calving caribou of the Central Arctic herd. *Rangifer*, 20 (Special Issue 12):
- Wolfe, S. A., B. Griffith, and C. A. G. Wolfe. 2000. Response of reindeer and caribou to human activities. *Polar Research*, 19 (1): 63-73.
- Zalatan, R. 2006. The relation between climate and abundance cycles in barren-ground caribou herds of the Northwest Territories, Canada. Ph.D. diss., University of British Columbia.
- Zalatan, R., A. Gunn, and G. H. R. Henry. 2006. Long-term abundance patterns of barren-ground caribou using trampling scars on roots of *Picea mariana* in the Northwest Territories, Canada. *Arctic, Antarctic and Alpine Research*, 38: 624-30.
- Zamin, T. J. and P. Grogan. 2012. Birch shrub growth in the low Arctic: the relative importance of experimental warming, enhanced nutrient availability, snow depth and caribou exclusion. *Environmental Research Letters*, 7: 1-9.
- Zoltai S. C., Karasiuk D. J., and Scotter G. W. 1980. A natural resource survey of the Bathurst Inlet area, Northwest Territories. Ottawa, ON

FEIS and FEIS Addendum Volume 6

- Biesinger, K. E. and G. M. Christensen. 1972. Effects of various metals on survival, growth, reproduction, and metabolism of *Daphnia magna*. *J Fish Res Board Can*, 29: 1691-700.
- Birge, W. J. 1978. Aquatic toxicology of trace elements of coal and fly ash. *Energy and Environmental Stress in Aquatic Systems*. (Technical Information Service Center, Springfield, Virginia): 219. Quoted in CCME, 2015.
- Bringmann, G. and R. Kühn. 1980. Comparison of the toxicity thresholds of water pollutants to bacteria, algae, and protozoa in the cell multiplication inhibition test. *Water Res*, 14: 231-41.
- Brown, J., O. J. Ferrians Jr., J. A. Heginbottom, and E. S. Melnikov. 1998. *Circum-Arctic map of permafrost and ground-ice conditions. revised February 2001. Scale 1:10 000 000*. National Snow and Ice Data Center/World Data Center for Glaciology. Digital Media: Boulder, CO.
- Chen, F., W. Chen, and S. Dai. 1994. Toxicities of four arsenic species to *Scenedesmus obliquus* and influence of phosphate on inorganic arsenic toxicities. *Toxicological & Environmental Chemistry*, 41 (1-2): 1-7.
- Church, M. 1974. Hydrology and permafrost with reference to northern North America. *Proc. Workshop Seminar on Permafrost Hydrology*, Can. Nat. Comm., IHD, Ottawa, pp. 7 - 20.
- DeFoe, D. L. 1982. Memorandum to Robert L. Spehar. (US EPA, Duluth, Minnesota, July 9): Quoted in EPA, 1985.
- Dugan, H., Lamoureux, S. F., Lafrenière, M., and Lewis, T. 2009. Major hydrological and sediment yield response to summer rainfall in a small high arctic watershed. *Hydrological Processes*, doi: 10.1002/hyp.7285:
- EBA. 2013. Geophysical Survey – Sabina Back River Project. Prepared for Sabina Gold & Silver Corp.: Edmonton, AB.
- Frape, S., Fritz, P., and McNutt, R. 1984. Water-rock interaction and chemistry of groundwaters from the Canadian Shield. *Geochimica et Cosmochimica Acta* 48, 1617-1627.
- Freeze, R., and Cherry, J. 1979. *Groundwater*. Upper Saddle River, N.J., U.S.A.: Prentice Hall, Inc.
- Golder Associates Ltd. 2007. Back River Project: Environmental Baseline Studies, September 2006. Prepared for Dundee Precious Metals Inc.: Edmonton, AB.
- Golder Associates Ltd. 2013. *Monitoring Well M11-1257 (Westbay Well) Groundwater Sampling Results: Meliadine Gold Project, Nunavut*. Kanata, ON: Prepared by Golder Associates Ltd. for Agnico-Eagle Mines Ltd.
- Hersch, R. W. 2009. *Streamflow measurement*. Third ed. New York, NY: Taylor & Francis.
- Hermanson, M. H. 1990. 210Pb and 137Cs chronology of sediments from small, shallow Arctic lakes. *Geochim Cosmochim Acta*, 54 (5): 1443-51.
- Hubert and Associates Ltd. 2004. Summary of Environmental Baseline Data for the Area of George Lake and Goose Lake, Nunavut. Prepared for Miramar Hope Bay Ltd.: Vancouver, B.C.
- JDS (JDS Energy & Mining Inc.). 2015. Technical Report for the Initial Project Feasibility Study on the Back River Gold Property, Nunavut, Canada. Prepared for Sabina Gold & Silver Corp. October 28, 2015.
- Kane, D.L., Gieck, R.E., Hinzman, L.D. 1997. Snowmelt Modeling at Small Alaskan Arctic Watershed. *Journal of Hydrologic Engineering*. Vol. 2, No. 4, 204-210.

TECHNICAL REPORT REFERENCE LIST

- Knauer, K., R. Behra, and H. Hemond. 1999. Toxicity of inorganic and methylated arsenic to algal communities from lakes along an arsenic contamination gradient. *Aquat Toxicol*, 46 (3-4): 221-30.
- Kneebone, P. E., P. A. O'Day, N. Jones, and J. G. Hering. 2002. Deposition and fate of arsenic in iron- and arsenic-enriched reservoir sediments. *Environ Sci Technol*, 36 (3): 381-86.
- Lewis, T. and S. F. Lamoureux. 2010. Twenty-first century discharge and sediment yield predictions in a small high arctic watershed. *Global and Planetary Change*, doi: 10.1016/j.gloplacha.2009.12.006.
- Lima, A. R., C. Curtis, D. E. Hammermeister, T. P. Markee, C. E. Northcott, and L. T. Brooke. 1984. Acute and chronic toxicities of arsenic(III) to fathead minnows, flagfish, daphnids, and an amphipod. *Arch Environ Contam Toxicol*, 13 (5): 595-601.
- MacLean, R., M. W. Oswood, J. G. I. Irons, and W. H. McDowell. 1999. The effect of permafrost on stream biogeochemistry: A case study of two streams in the Alaskan (USA) taiga. *Biogeochemistry*, 47: 239-67.
- McIntyre, D. O. and T. K. Linton. 2012. Arsenic. In *Homeostasis and Toxicology of Essential Metals: Volume 31B, Fish Physiology – Modeling the Physiology and Toxicology of Metals*. London, UK: Academic Press.
- Muir, D. C., G. A. Omelchenko, N. P. Grift, D. A. Savoie, W. L. Lockhart, P. Wilkinson, and G. J. Brunskill. 1996. Spatial trends and historical deposition of polychlorinated biphenyls in Canadian midlatitude and Arctic lake sediments. *Environ Sci Technol*, 30 (12): 3609-17.
- O'Day, P. A., D. Vlassopoulos, R. Root, and N. Rivera. 2004. The influence of sulfur and iron on dissolved arsenic concentrations in the shallow subsurface under changing redox conditions. *Proc Nat Acad Sci*, 101 (38): 13703-08.
- Oremland, R. S. and J. F. Stolz. 2003. The ecology of arsenic. *Science*, 300: 939-44.
- Norecol Dames and Moore. 1993. Homestake Goose Lake Project: 1993 Water Quality Report, Goose Lake. Prepared for Homestake Canada Ltd.: Vancouver, BC.
- Norecol Dames and Moore. 1997. George Lake Project 1997 Data. Kit Resources Ltd.: Vancouver, B.C.
- Passino, D. R. M. and A. J. Novak. 1984. Toxicity of arsenate and DDT to the cladoceran *Bosmina longirostris*. *Bull Environ Contam Toxicol*, 33: 325-29.
- Pohl, S., P. Marsh, and B. R. Bonsal. 2007. Modeling the impact of climate change on runoff and annual water balance of an arctic headwater basin. *Arctic*, 60: 173-96.
- Prowse, T. D., F. J. Wrona, J. D. Reist, J. J. Gibson, J. E. Hobbie, L. M. J. Levesque, and W. F. Vincent. 2006. Climate change impacts on Arctic freshwater ecosystems and fisheries. *Ambio*, 35 (7): 347-58.
- Puffer M, Berg OK, Huusko A, Vehanen T, Forseth T, Einum, S. 2015. Seasonal Effects of Hydropeaking on Growth, Energetics, And Movement of Juvenile Atlantic Salmon (*Salmo salar*). *River Research and Applications* 31: 1101-1108.
- Quinton, W. L. and P. Marsh. 1998. The influence of mineral earth hummocks on subsurface drainage in the continuous permafrost zone. *Permafrost and Periglacial Processes* 9.
- Rescan. 2011. Back River Project: 2010 Lake Water and Sediment Quality Baseline Report. Prepared for Sabina Gold & Silver Corp.: Vancouver, B.C.
- Rescan. 2012b. *Back River Project 2012 Hydrology Baseline Report*. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd., Vancouver, BC.
- Rescan. 2012b. Doris North Gold Mine Project: 2011 Aquatic Effects Monitoring Program Report. Prepared for Hope Bay Mining Limited by Rescan Environmental Services Ltd.: Vancouver, BC.

- Rescan. 2012c. *Memorandum: Thermistor data summary, Back River Project*. Submitted to Sabina Gold & Silver Corporation.
- Rescan. 2012d. *Back River Project 2011 Freshwater Baseline Report*. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd., Vancouver, BC, January 2012.
- Rescan. 2013a. *Draft Environmental Impact Statement for Bathurst Inlet Port and Road Project*. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2013b. *Ekati Diamond Mine: 2012 Aquatic Effects Monitoring Program Part 2 – Data Report*, Prepared for BHP Billiton Canada Inc. by Rescan Environmental Services Ltd.: Yellowknife, NWT.
- Rescan. 2013b. *Back River Project: 2013 Freshwater Baseline Report* (in preparation). Prepared for Sabina Gold & Silver Corp.: Vancouver, B.C.
- Rescan. 2014. *Back River Project: 2013 Groundwater Quality Baseline Report*. Vancouver, B.C., Canada: Prepared for Sabina Gold and Silver Corporation by Rescan Environmental Services Ltd., in preparation
- Rescan. 2014a. *Back River Project: 2013 Hydrology Baseline Report*. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd., an ERM Company: Vancouver, BC, January 2014.
- Rescan. 2014b. *Back River Project: 2014 Hydrology Baseline Report*. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd., an ERM company. Vancouver, BC, December 2014.
- Rescan. 2015. *Back River Project: 2015 Freshwater Baseline Report*. (in preparation). Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. n.d. *Back River Project: 2015 Hydrology Baseline Report*. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd., an ERM company. Vancouver, BC, (to be published).
- Stern MJ, Powell RB, Ardoin NM. 2008. What Difference Does It Make? Assessing outcomes from participation in a residential environmental education program. *Reports & Research* 39: 31-43.
- Stotler, R., Frape, S., Ruskeeniemä, T., Ahonen, L., Onstott, T., & Hobbs, M. 2009. Hydrogeochemistry of groundwaters in and below the base of thick permafrost at Lupin, NU. *Journal of Hydrology*, 373, 80-95.
- Thorne, R. 2011. Uncertainty in the impacts of projected climate change on the hydrology of a subarctic environment: Liard River Basin. *Hydrology and Earth System Sciences*, doi: 10.5194/hess-15-1483-2011.
- Vocke, R. W., K. L. Sears, J. J. O'Toole, and R. B. Wildman. 1980. Growth responses of selected freshwater algae to trace elements and scrubber ash slurry generated by coal-fired power plants. *Water Res*, 14 (2): 141-50.
- Woo, M-K. 1990. Permafrost Hydrology. In: *Northern Hydrology, Canadian Perspectives* T. D. Prowse and C. S. L. Ommanney eds. NHRI Science Report No. 1, 63-76.
- Woo, M-K., M. Mollinga, and S. L. Smith. 2007. Climate warming and active layer thaw in the boreal and tundra environments of the Mackenzie Valley. *Canadian Journal of Earth Sciences*, 44: 733-43.

FEIS Volume 7

- Althage, J. 2010. Ship-induced Waves and Sediment Transport in Göta River, Sweden. Master's in Water Resources Engineering diss., Lund University.
- Are, F. E. 2003. Shoreface of the Arctic seas - a natural laboratory for subsea permafrost dynamics. In Permafrost. Ed. M. Phillips, S. M. Springman, and L. U. Arenson. NL: Swets & Zeitlinger, Lisse.
- Barry, T. W. 1968. Observations of natural mortality and native use of eider ducks along the Beaufort Sea coast. Canadian Field Naturalist, 82: 140-44.
- Bluhm, B. A., I. R. MacDonald, C. Debenham, and K. Iken. 2005. Macro- and megabenthic communities in the high Arctic Canada Basin: initial findings. Polar Biology, 28: 218-31.
- Bolduc, F. and M. Guillemette. 2003. Incubation constancy and mass loss in the common eider *Somateria mollissima*. Ibis, 145: 329-32.
- Bornhold, B. D. 2008. Potential Impacts of Vessel Wakes on Coastal Areas Bathurst Inlet to Lancaster Sound Prepared for Rescan Environmental Services Ltd. by Coastal & Ocean Resources Inc.: Sidney, B.C.
- Briski, E., L. E. Allinger, M. Balcer, A. Cangelosi, L. Fanberg, T. P. Markee, N. Mays, C. N. Polkinghorne, K. R. Prihoda, E. D. Reavie, D. H. Regan, D. M. Reid, H. J. Saillard, T. Schwerdt, H. Schaefer, M. TenEyck, C. J. Wiley, and S. A. Bailey. 2013. Multidimensional Approach to Invasive Species Prevention. Environmental Science & Technology, 47: 1216-21.
- Brown, A. L. 1990. Measuring the Effect of Aircraft Noise on Sea Birds. Environment International, 16: 587-92.
- Brown, A. C. and A. McLachlan. 2002. Sandy shore ecosystems and the threats facing them: some predictions for the year 2025. Environmental Conservation, 29: 62-77.
- Conomy, J. T., J. A. Dubovsky, J. A. Collazo, and W. J. Fleming. 1998. Do black ducks and wood ducks habituate to aircraft disturbance? Journal of Wildlife Management, 62 (3): 1135-42.
- DeVault, T. L., J. L. Belant, B. F. Blackwell, and T. W. Seaman. 2011. Interspecific Variation in Wildlife Hazards to Aircraft: Implications for Airport Wildlife Management. Wildlife Society Bulletin, 35 (4): 394-402.
- Dickson, D. L., T. Bowman, A. Hoover, and M. Johnson. 2005. Tracking the movement of common eiders from nesting grounds near Bathurst Inlet, Nunavut to the mounting and wintering areas using satellite telemetry, 2002/2003 Progress report. Environment Canada, Canadian Wildlife Service and United States Department of Environment, Fish and Wildlife Service: Edmonton, AB and Anchorage, AK. .
- Dolbeer, R. A. 2006. Height distribution of birds recorded by collisions with civil aircraft. journal of Wildlife Management, 70 (5): 1345-50.
- Ellis, D. V. 1962. Observations on the Distribution and Ecology of Some Arctic Fish. Arctic Institute of North America, 15: 179-89.
- ERM Rescan. 2015. Back River Project: Shipping Sensitivity Report. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd., an ERM company: Vancouver, BC.
- Flint, P. L., D. L. Lacroix, J. A. Reed, and R. B. Lanctot. 2004. Movements of flightless long-tailed ducks during wing molt. Waterbirds, 27: 35-40.
- Fournier, M. A. and J. E. Hines. 1994. Effects of starvation on muscle and organ mass of King Eiders *Somateria spectabilis* and the ecological and management implications. Wildfowl, 45: 188-97.

- Frimer, O. 1994. The behaviour of moulting King Eiders *Somateria spectabilis*. *Waterfowl*, 45: 176-87.
- Fissel, D. B., J. R. Marko, and H. Melling. 2008. Advances in Upward Looking Sonar Technology for Studying the Processes of Change in Arctic Ocean Ice Climate. *Journal of Operational Oceanography*, 1: 9-18.
- Glud, R. N., N. Risgaard-Petersen, B. Thamdrup, H. Fossing, and S. Rysgaard. 2000. Benthic carbon mineralization in a high-Arctic sound (Young Sound, NE Greenland). *Marine Ecology Progress Series*, 206: 59-71.
- Goudie, R. I., G. J. Robertson, and A. Reed. 2000. Common Eider (*Somateria mollissima*), *The Birds of North America Online* (A. Poole, Ed.). Ithaca: Cornell Lab of Ornithology. <http://bna.birds.cornell.edu/bna/species/546> (accessed September 2012).
- Grebmeier, J. M., J. E. Overland, S. E. Moore, E. V. Farley, E. C. Carmack, L. W. Cooper, K. E. Frey, J. H. Helle, F. A. McLaughlin, and S. L. McNutt. 2006. A major ecosystem shift in the northern Bering Sea. *Science*, 311: 1461-64.
- Guillemette, M. 1994. Digestive-rate constraints in wintering Common Eiders *Somateria mollissima*: Implications for flying capabilities. *Auk*, 111 (4): 900-09.
- Guillemette, M., D. Pelletier, G.-M. Grandbois, and P. J. Butler. 2007. Flightlessness and the energetic cost of wing molt in a large sea duck. *Ecology*, 88 (11): 2936-45.
- Gutt, J. 2001. On the direct impact of ice on marine benthic communities, a review. *Polar Biology*, 24: 553-64.
- Hallermeier, R. J. 1981. A profile zonation for seasonal sand beaches from wave climate. *Coast Eng*, 4: 253-77.
- Hannah, C. G., F. Dupont, and M. Dunphy. 2009. Polynyas and tidal currents in the Canadian Arctic Archipelago. *Arctic*, 62: 83-95.
- Hawkins, A. D. and A. D. F. Johnstone. 1978. The hearing of the Atlantic salmon, *Salmo salar*. *Journal of Fish Biology*, 13: 655-74.
- Hobson, K. A. and H. E. Welch. 1992. Determination of trophic relationships within a high Arctic marine food web using $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ analysis. *Marine Ecology Progress Series*, 84: 9-18.
- Hockin, D., M. Ounsted, M. Gormant, D. Hillt, V. Kellert, 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: 253-86.
- Hollibaugh, J. T., D. L. R. Seibert, and W. H. Thomas. 1980. A comparison of the acute toxicities of ten heavy metals to phytoplankton from Saanich Inlet, B.C., Canada. *Estuarine and Coastal Marine Science*, 10: 93-105.
- Horne, A. J. and C. R. Goldman. 1994. *Limnology*. 2nd ed. New York, NY: McGraw-Hill, Inc.
- Horner, R. and D. Murphy. 1985. Species composition and abundance of zooplankton in the nearshore Beaufort Sea in winter-spring. *Arctic*, 38: 201-09.
- Horner, R. and G. C. Schrader. 1982. Relative contributions of ice algae, phytoplankton, and benthic microalgae to primary production in nearshore regions of the Beaufort Sea. *Arctic*, 35: 485-503.
- Houston, J. and D. E. McAllister. 1990. Status of the Bering Wolffish, *Anarhichas orientalis*, in Canada. *Canadian Field Naturalist*, 104: 20-23.
- Hulme, P. E. 2009. Trade, transport and trouble: managing invasive species pathways in an era of globalization. *Journal of Applied Ecology*, 46: 10-18.

TECHNICAL REPORT REFERENCE LIST

- Huse, G., G. O. Johansen, B. Bogstad, and H. Gjøsæter. 2004. Studying spatial and trophic interactions between capelin and cod using individual-based modelling. *ICES Journal of Marine Science*, 61: 1201-13.
- Karpouzi, V., R. Watson, and D. Pauly. 2007. Modelling and mapping resource overlap between seabirds and fisheries on a global scale: a preliminary assessment. *Marine Ecology Progress Series* 343: 87-99.
- Keith, D., J. Arqvig, L. Kamookak, and J. Ameralik. 2005. Inuit Qaujimaningit Nanurnut, Inuit Knowledge of Polar Bears. Gjoa Haven Hunters' and Trappers' Organization and CCI Press: Edmonton, AB.
- Kellett, D. K. and R. T. Alisauskas. 1997. Breeding biology of king eiders nesting on Karrak Lake, Northwest Territories. *Arctic*, 50 (1): 47-54.
- Kenchington, E., H. Link, V. Roy, P. Archambault, T. Siferd, M. Treble, and V. Wareham. 2011. Identification of Mega- and Macrobenthic Ecologically and Biologically Significant Areas (EBSAs) in the Hudson Bay Complex, the Western and Eastern Canadian Arctic. Research Document 2011/071. Fisheries and Oceans Canada, Canadian Science Advisory Secretariat:
- Kennish, M. J. 1986. Physical and Chemical Aspects. Vol. I of Ecology of Estuaries. Boca Raton, FL: CRC Press.
- Koch, A. J., M. C. Derver, and K. Martin. 2011. The efficacy of common species as indicators; avian responses to disturbance in British Columbia, Canada. *Biodiversity and Conservation*, 20: 3555-75.
- Koops, M. A., M. Koen-Alonso, K. E. Smokorowski, and J. C. Rice. 2013. A Science-based Interpretation and Framework for Considering the Contribution of the Relevant Fish to the Ongoing Productivity of Commercial, Recreational or Aboriginal Fisheries. Research Document 2012/141. Fisheries and Oceans Canada: Ottawa, ON.
- Kriebel, D., W. Seelig, and C. Judge. 2003. A Unified Description of Ship-Generated Waves. Portland, OR:
- Korschgen, C. E., L. S. George, and W. L. Green. 1985. Disturbance of diving ducks by boaters on a migrational staging area. *Wildlife Society Bulletin*, 13: 290-96.
- Kushlan, J. A., M. J. Steinkamp, K. C. Parsons, J. Capp, M. Acosta-Cruz, M. Coulter, I. Davidson, L. Dickson, N. Edelson, R. Elliot, R. M. Erwin, S. Hatch, S. Kress, R. Milko, S. Miller, K. Mills, R. Paul, R. Phillips, J. E. Saliva, B. Sydeman, J. Trapp, J. Wheeler, and K. Wohl. 2002. Waterbird Conservation for the Americas: The North American Waterbird Conservation Plan. Washington, DC, USA.
- Leu, E., J. E. Søreideb, D. O. Hessen, S. Falk-Petersena, and J. Berge. 2011. Consequences of changing sea-ice cover for primary and secondary producers in the European Arctic shelf seas: timing, quantity, and quality. *Progress in Oceanography*, 90: 18-32.
- Li, Y. and M. Li. 2012. Wind-driven lateral circulation in a stratified estuary and its effects on the along-channel flow. *J Geophys Res: Oceans*, 117 (DOI: 10.1029/2011JC007829): 1978-2012.
- Link, H., P. Archambault, T. Tamelander, P. E. Renaud, and D. Piepenburg. 2011. Spring-to-summer changes and regional variability of benthic processes in the western Canadian Arctic. *Polar Biology*, 34: 2025-38.
- Keller, R. P., J. M. Drake, M. B. Drew, and D. M. Lodge. 2011. Linking environmental conditions and ship movements to estimate invasive species transport across the global shipping network. *Diversity & Distributions*, 17: 93-102.
- Knudsen, F. R., P. S. Enger, and O. Sand. 1992. Awareness reactions and avoidance responses to sound in juvenile Atlantic salmon, *Salmo salar*. *Journal of Fish Biology*, 40: 523-34.
- Knudsen, F. R., P. S. Enger, and O. Sand. 1994. Avoidance responses to low frequency sound in downstream migrating Atlantic salmon smolt, *Salmo salar*. *Journal of Fish Biology*, 45: 227-33.

- Koops, M. A., M. Koen-Alonso, K. E. Smokorowski, and J. C. Rice. 2013. A Science-Based Interpretation and Framework for Considering the Contribution of the Relevant Fish to the Ongoing Productivity of Commercial, Recreational or Aboriginal Fisheries. DFO. Can. Sci. Advis. Sec. Res. Doc. 2012/141. Fisheries and Oceans Canada: Ottawa, ON.
- Larsen, J. K. and B. L. Laubek. 2005. Disturbance effects of high-speed ferries on wintering sea ducks. *Wildfowl*, 55: 101-18.
- Latour, P. B., J. Leger, J. E. Hines, M. L. Mallory, D. L. Mulders, H. G. Gilchrist, P. A. Smith, and D. L. Dickson. 2008. Key Migratory Bird Terrestrial Habitat Sites in the Northwest Territories and Nunavut. Canadian Wildlife Service Occasional Paper Number 114. Canadian Wildlife Service: Ottawa, ON.
- Lindström, A., G. H. Visser, and S. Daan. 1993. The energetic cost of feather synthesis is proportional to basal metabolic condition. *Physiological Zoology*, 66: 490-510.
- Mallory, M. L. and A. J. Fontaine. 2004. Key marine habitat sites for migratory birds in Nunavut and the Northwest Territories. Canadian Wildlife Service Occasional Paper Number 109. Canadian Wildlife Service: Ottawa, ON.
- Martin, M., K. E. Osborn, P. Billig, and N. Glickstein. 1981. Toxicities of ten metals to *Crassostrea gigas* and *Mytilus edulis* embryos and *Cancer magister* larvae. *Mar Poll Bull*, 12: 305-08.
- Maynard, S. 1998. Bottom shear stress from propeller jets. Paper presented at Ports '98 Conference, Long Beach, CA:
- McGowan, D. K., G. Low, and D. Pike. 1993. Data from exploratory fisheries conducted in the Northwest Territories, 1989-1992. Canadian Data Report of Fisheries and Aquatic Science No. 909.
- McKenna, M. F., D. Ross, S. M. Wiggins, and J. A. Hildebrand. 2012. Underwater radiated noise from modern commercial ships. *J Acoust Soc Am*, 131: 92-103.
- McMeans, B. C., N. Rooney, M. T. Arts, and A. T. Fisk. 2013. Food web structure of a coastal Arctic marine ecosystem and implications for stability. *Marine Ecology Progress Series*, 482: 17-28.
- Michel, C., R. G. Ingram, and L. R. Harris. 2006. Variability in oceanographic and ecological processes in the Canadian Arctic Archipelago. *Progress in Oceanography*, 71: 379-401.
- Morin, B., C. Hudon, and F. Whoriskey. 1992. Environmental influences on seasonal distribution of coastal and estuarine fish assemblages at Wemindji, eastern James Bay. *Environmental Biology of Fishes*, 35: 219-29.
- Mosbech, A. and D. Boertmann. 1999. Distribution, abundance and reaction to aerial surveys of post-breeding King Eiders (*Somateria spectabilis*) in western Greenland. *Arctic*, 52: 188-203.
- Mosbech, A., G. Gilchrist, F. Merkel, C. Sonne, A. Flagstad, and H. Nyegaard. 2006. Year-round movement of northern Common Eiders *Somateria mollissima borealis* breeding in arctic Canada and west Greenland followed by satellite telemetry. *Ardea*, 94: 651-65.
- Mowbray, T. B., C. R. Ely, J. S. Sedinger, and R. E. Trost. 2002. Canada Goose (*Branta canadensis*). In *The Birds of North America Online*. Ed. A. Poole. Ithaca, NY: Cornell Lab of Ornithology. <http://bna.birds.cornell.edu/bna/species/682> (accessed September 2012).
- Neff, J. M. 1997. Ecotoxicology of arsenic in the marine environment. *Environmental Toxicology and Chemistry*, 16 (5): 917-27.
- Niemi, G. J. and M. E. McDonald. 2004. Application of ecological indicators. *Annual Review of Ecology, Evolution, and Systematics*, 35: 89-111.

TECHNICAL REPORT REFERENCE LIST

- Nakashima, B. S. and J. P. Wheeler. 2002. Capelin (*Mallotus villosus*) spawning behaviour in Newfoundland waters-the interaction between beach and demersal spawning. *ICES Journal of Marine Science: Journal du Conseil*, 59: 909-16.
- O'Day, P. A., D. Vlassopoulos, R. Root, and N. Rivera. 2004. The influence of sulfur and iron on dissolved arsenic concentrations in the shallow subsurface under change redox conditions. *Proc Nat Acad Sci*, 101 (38): 13703-08.
- Oremland, R. S. and J. F. Stolz. 2003. The ecology of arsenic. *Science*, 300: 939-44.
- Owens, N. W. 1976. Responses of Wintering Brent Geese to Human Disturbance. *Wildfowl*: 152.
- Parsons, T. R., Y. Maita, and C. M. Lalli. 1984. *A Manual of Chemical and Biological Methods for Seawater Analysis*. Oxford, UK: Pergamon Press.
- Pawlowicz, R., B. Beardsley, and S. Lentz. 2002. Classical tidal harmonic analysis including error estimates in MATLAB using T_tide. *Computers and Geosciences*, 28: 929-37.
- Pelletier, D., M. Guillemette, J.-M. Grandbois, and P. J. Butler. 2008. To fly or not to fly: high flight costs in a large sea duck do not imply an expensive lifestyle. *Proceedings of the Royal Society B-Biological Sciences*, 275: 2117-24.
- Percy, R. 1975. *Fishes of the Outer MacKenzie Delta*. Technical Report No. 8. Fisheries Institute Marine and Freshwater Service, Environment Canada: Winnipeg, MB.
- Popper, A. N. 2003. Effects of Anthropogenic Sounds on Fishes. *Fisheries*, 28: 24-31.
- Powell, A. N. and R. S. Suydam. 2012. King Eider (*Somateria spectabilis*), *The Birds of North America Online* (A. Poole, Ed.). Ithaca: Cornell Lab of Ornithology. <http://bna.birds.cornell.edu/bna/species/491> (accessed November 2012).
- Rahel, F. J., B. Bierwagen, and Y. Taniguchi. 2008. Managing Aquatic Species of Conservation Concern in the Face of Climate Change and Invasive Species. *Conservation Biology*, 22: 551-61.
- Randall, R. G., M. J. Bradford, K. D. Clarke, and J. C. Rice. 2013. *A Science-based Interpretation of Ongoing Productivity of Commercial, Recreational or Aboriginal Fisheries*. Research Document 2012-112. Fisheries and Oceans Canada: Ottawa, ON.
- Raven, G. H. and D. L. Dickson. 2009. *Surveys of Pacific Common Eiders (Somateria mollissima vnigra) in the Bathurst Inlet area of Nunavut, 2006-2008*. Technical Report Series 503. Canadian Wildlife Service: Edmonton, AB.
- Rescan. 2002. *Bathurst Inlet Port and Road Project: Marine Environment Baseline Studies, 2001-2002*. Prepared for the Bathurst Inlet Port and Road Project by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2003. *Meteorology Baseline Study, 2001-2002*. Prepared for the Bathurst Inlet Port and Road Project by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2007. *Bathurst Inlet Port and Road: Air Quality Modelling Study*. Prepared for the Bathurst Inlet Port and Road Project by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2007. *BIPR Songbird and Shorebird Baseline Study*. Prepared for the Bathurst Inlet Port and Road Project by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2007a. *Bathurst Inlet Port and Road Project: Marine Environment Baseline Study, 2007*. Prepared for the Bathurst Inlet Port and Road Project by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2007b. *Bathurst Inlet Port and Road Project: Marine Physical Processes Study, 2007*. Prepared for the Bathurst Inlet Port and Road Project by Rescan Environmental Services Ltd.: Vancouver, BC.

- Rescan. 2007c. Hackett River Project: 2007 Marine Baseline Report. Prepared for Sabina Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2008. 2008 Marine Baseline Report, Hackett River Project. Prepared for Sabina Silver Corporation by Rescan Environmental Services Ltd.: Vancouver, British Columbia.
- Rescan. 2008a. Bathurst Inlet Port and Road Project: Draft Environmental Impact Statement - Volume VI. Prepared for Bathurst Inlet Port and Road Joint Venture Ltd. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2012a. Bathurst Inlet Port and Road Project: 2007 to 2011 Meteorology Baseline Report. Prepared for the Bathurst Inlet Port and Road Project by Rescan Environmental Services Ltd.: Vancouver: Vancouver, British Columbia.
- Rescan. 2012b. Bathurst Inlet Port and Road Project: Marine Aquatic Resources Baseline Study, 2010. Prepared for Sabine Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2012a. Back River Project: 2006 to 2012 Meteorology Baseline Report. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2012c. Back River Project: 2012 Marine Fish and Fish Habitat Baseline Report. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2012e. Bathurst Inlet Port and Road Project: Marine Fish and Fish Habitat Baseline Study, 2010. Prepared for the Bathurst Inlet Port and Road Project by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2012f. Bathurst Inlet Port and Road Project: Marine Shellfish and PAH Content Study, 2012. Prepared for the Bathurst Inlet Port and Road Project by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2012f. Bathurst Inlet Port and Road Project: Physical Oceanography Baseline Study, 2012. Prepared for the Bathurst Inlet Port and Road Project by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2013a. Back River Project: 2012 Marine Baseline Report. Prepared for Sabine Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2013b. Back River Project: 2013 Marine Fish and Fish Habitat Baseline Report. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2013b. Back River Project: 2013 Marine Baseline Report. Prepared for Sabine Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC. In preparation.
- Rescan. 2013c. Back River Project: 2013 Marine Physical Processes Baseline Report. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2013c. Back River Project: Wildlife Baseline Report 2012. Prepared for Sabina Gold and Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2013d. Back River Project: 2013 Preliminary Desalination Assessment at the Marine Laydown Area, Bathurst Inlet, NU. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2014a. Back River Project: 2013 Marine Baseline Report Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2014b. Back River Project: 2013 Marine Fish and Fish Habitat Baseline Report. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.

TECHNICAL REPORT REFERENCE LIST

- Richardson, J. 1833. The Fish. In *Fauna Borealis-Americana; or the Zoology of the Northern Parts of British America: Containing Descriptions of the Objects of Natural History Collected on the Late Northern Land Expeditions Under Command of Captain Sir John Franklin*. Ed. R. Bentley. 74-97. London, UK: Richard Bentley.
- Robertson, G. J. and H. G. Gilchrist. 1998. Evidence for population declines among common eiders breeding in the Belcher Islands, Northwest Territories. *Arctic*, 51: 478-85.
- Rudels, B., A.-M. Larsson, and P.-I. Sehlstedt. 1991. Stratification and water mass formation in the Arctic Ocean: some implication for the nutrient distribution. *Polar Research*, 10: 19-31.
- Rysgaard, S. and T. G. Nielsen. 2006. Carbon cycling in a high-arctic marine ecosystem - Young Sound, NE Greenland. *Progress in Oceanography*, 71: 426-45.
- Rysgaard, S., T. G. Nielsen, and B. W. Hansen. 1999. Seasonal variation in nutrients, pelagic primary production and grazing in a high-Arctic coastal marine ecosystem, Young Sound, Northeast Greenland. *Marine Ecology Progress Series*, 179: 13-25.
- Sanders, J. G. 1979. Effects of arsenic speciation and phosphate concentration on arsenic inhibition of *Skeletonema costatum* (Bacillariophyceae). *J Phyco*, 15: 424-28.
- Schwemmer, P., B. Mendel, N. Sonntag, V. Dierschke, and S. Garthe. 2011. Effects of ship traffic on seabirds in offshore waters: implications for marine conservation and spatial planning. *Ecological Applications*, 21 (5): 1851-60.
- Scott, W. B. and M. G. Scott. 1988. Atlantic Fishes of Canada. Canadian Bulletin Report of Fisheries and Aquatic Sciences 219.
- Seebens, H., M. T. Gastner, and B. Blasius. 2013. The risk of marine bioinvasion caused by global shipping. *Ecology Letters*, 16: 782-90.
- Slabbekoorn, H., N. Bouton, I. van Opzeeland, A. Coers, C. ten Cate, and A. N. Popper. 2010. A noisy spring: the impact of globally rising underwater sound levels on fish. *Trends in Ecology & Evolution*, 25: 419-27.
- Stephen, C. 2014. Toward a modernized definition of wildlife health. *Journal of Wildlife Disease*, 50 (3): 427-30.
- Stewart, D. B., R. A. Ratynski, L. M. J. Bernier, and D. J. Ramsey. 1993. A Fishery Development Strategy for the Canadian Beaufort Sea-Amundsen Gulf Area 1910
- Stroeve, J. C., M. C. Serreze, M. M. Holland, J. E. Kay, J. Malanik, and A. P. Barrett. 2012. The Arctic's rapidly shrinking sea ice cover: a research synthesis. *Climate Change* 110: 1005-27.
- Suydam, R. S., D. L. Dickson, J. B. Fadely, and L. T. Quakenbush. 2000. Population declines of King and Common Eiders of the Beaufort Sea. *Condor*, 102: 219-22.
- Suydam, R. S., L. T. Quakenbush, R. Acker, M. Knoche, and J. Citta. 2009. Migration of king and common eiders past Point Barrow, Alaska, during summer/fall 2002 through spring 2004: population trends and effects of wind. OCS Study MMS 2009-036. University of Alaska Coastal Marine Institute. Funded in Part by US Department of the Interior Minerals Management Service, Alaska Outer Continental Shelf Region and University of Alaska Fairbanks.: Fairbanks, AK.
- Tang, Y. 2013. Applying the precautionary principle in the risk management of invasive species via ballast water. *Applied Mechanics and Materials* 295-298: 2167-71.
- Thursby, G. B. and R. L. Steele. 1984. Toxicity of arsenite and arsenate to the marine macroalgae *Champia parvula* (Rhodophyta). *Environ Toxicol Chem*, 3: 391-97.

- Titman, R. D. 1999. Red-breasted Merganser (*Mergus serrator*), The Birds of North America Online (A. Poole, Ed.). Ithaca: Cornell Lab of Ornithology. <http://bna.birds.cornell.edu/bna/species/443> (accessed September 2012).
- Vandeperre, F. and D. A. Methven. 2007. Do bigger fish arrive and spawn at the spawning grounds before smaller fish? Cod (*Gadus morhua*) predation on beach spawning capelin (*Mallotus villosus*) from coastal Newfoundland. *Estuarine, Coastal and Shelf Science*, 71: 391-400.
- Waldichuk, M. 1993. Fish habitat and the impact of human activity with particular reference to Pacific Salmon (Can. Bull. Fish. Aquat. Sci. Vol. 226). In *Perspectives on Canadian Marine Fisheries Management*. Ed. L. S. Parsons and W. H. Lear. 295-337. Ottawa, ON: National Research Council of Canada.
- Walters, V. 1955. Fishes of Western Arctic America and Eastern Arctic Siberia. *Bulletin of the American Museum of Natural History*, 106: 255-368.
- Ward, D. H. and R. A. Stehn. 1990. Response of Brant and Other Geese to Aircraft Disturbances at Izembek Lagoon, Alaska. Final Technical Report, Number MMS900046. Alaska Fish and Wildlife Research Center. Sponsoring Organization: Minerals Management Service, Alaska Outer Continental Shelf Office: Anchorage, AK.
- Ward, D. H., R. A. Stehn, and D. V. Derksen. 1994. Response of Staging Brant to Disturbance at the Izembek Lagoon, Alaska. *Wildlife Society Bulletin*, 22 (2): 220-28.
- Ward, D. H., R. A. Stehn, W. P. Erickson, and D. V. Derksen. 1999. Response of fall-staging brant and Canada geese to aircraft overflights in southwestern Alaska. *Journal of Wildlife Management*, 63 (1): 373-81.
- Ward, J. and P. L. Sharp. 1974. Effects of aircraft disturbance on moulting sea ducks at Herschel Island, Yukon Territory, 1973. In *Studies on terrestrial bird populations, moulting sea ducks and bird productivity in the western Arctic, 1973*. Ed. W. W. H. Gunn, W. J. Richardson, R. E. Schweinsburg, and T. D. Wright. LGL Ltd., Environmental Research Associates. Arctic Gas Biological Report Series.
- Wiswar, D. W. and D. J. Frugé. 2006. Fisheries Investigations in Western Camden Bay, Arctic National Wildlife Refuge, Alaska, 1987. Alaska Fisheries Data Series Number 2006-10.
- Wyle. 2008. Noise Basics and the Effect of Aviation Noise on the Environment. Science, Technology and Engineering Group. Wyle. <http://www.wyle.com/PDFs/archive/GeneralNoiseEffects1-08Update.pdf> (accessed October 2013).
- Yamaoka, Y. and O. Takimura. 1986. Marine algae resistant to inorganic arsenic. *Agric Biol Chem*, 50: 185-86.
- Zinifex. 2007. High Lake Project Proposal. Volume 1-10. Zinifex Canada Ltd.

FEIS Volume 8

- Back, G. 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: A and W. Calignani. (Reprint edition, Adamant Media Corporation).
- Birket-Smith, K. 1959. *The Eskimos*. London, UK: Methuen and Co.
- Boas, F. 1964. *The Central Eskimo*. Lincoln University of Nebraska Press.
- Brink, J. 1992. Anvil Boulders and Lithic Reduction on Southern Victoria Island, Northwest Territories. *Arctic* 45(2): 138-144.
- Coltrain J. B., M. G. Hayes, and D. H. O'Rourke. 2004. Sealing, Whaling and Caribou: the Skeletal Isotope Chemistry of Eastern Arctic Foragers. *Journal of Archaeological Science* 31: 39-57.
- Damas, D. 1972. The Copper Eskimo. In *Hunters and Gatherers Today*. Ed. M. G. Bicchieri. 3-50. New York: Holt, Rinehart and Winston.
- Damas, D. 1984. Introduction. In *Handbook of North American Indians: Arctic*. Vol. 5. 1-8. Washington, DC: Smithsonian Institution.
- Franklin, J. 1823. *Narrative of a Journey to the Shores of the Polar Sea, in the Years 1819, 20, 21 and 22*. London: J. Murray.
- Friesen, T. M. 2004. A Tale of Two Settlement Patterns: Environmental and Cultural Determinants of Inuit and Dene Site Distributions. In *Hunter-Gatherers in Theory and Archaeology*. Occasional Paper No. 31. Carbondale: Center for Archaeological Investigations.
- Friesen, T. M. and A. Stewart. 1994. Protohistoric Settlement Patterns in the Interior District of Keewatin: Implications for Caribou Inuit Social Organization. In *Threads of Arctic Prehistory: Papers in Honour of William E. Taylor, Jr.* Archaeological Survey of Canada Mercury Series Paper 149. Eds. D. Morrison and J. Pilon. 341-360. Gatineau, QC: Canadian Museum of Civilization.
- Gordon, B. C. 1996. *People of Sunlight, People of Starlight: Barrenland Archaeology in the Northwest Territories of Canada*. Archaeological Survey of Canada Mercury Series Paper 154. Gatineau, QC: Canadian Museum of Civilization.
- Hearne, S. 1911. *A Journey from Prince of Wales Fort in Hudson's Bay to the Northern Ocean*. Toronto, ON: The Champlain Society.
- Houston, C. S., Ed. 1994. *Arctic Artist: The Journal and Paintings of George Back, Midshipman with Franklin, 1819-1822*. Montreal, QC; Buffalo, NY: McGill-Queen's University Press.
- Howse, L. 2008. Late Dorset Caribou Hunters: Zooarchaeology of the Bell Site, Victoria Island. *Arctic Anthropology* 45(1): 22-40.
- Hulgaard, W. J. and J. Wesley White. 2002. *Honoured in Places: Remembered Mounties across Canada*. Victoria, BC: Heritage House.
- Jenness D. 1921. The Cultural Transformation of the Copper Eskimos. *Geographical Review* 11(4): 541-550.
- Jenness D. 1922. *The Life of the Copper Eskimos*. Report of the Canadian Arctic Expedition 1913-1918. Vol. 12(A). Ottawa, ON: King's Printer.
- Jenness D. 1923a. The Copper Eskimos: Physical Characteristics of the Copper Eskimos. *Report of the Canadian Arctic Expedition 1913-18*. Vol. 12(B). Ottawa, ON: King's Printer.

- Jenness D. 1923b. Origin of the Copper Eskimos and Their Copper Culture. *Geographical Review* 13(4): 540-551.
- Jenness D. 1923c. *The Copper Eskimos: Osteology of the Western and Copper Eskimos*. Report of the Canadian Arctic Expedition 1913-1918. Vol. 13(B). Ottawa, ON: King's Printer
- Jenness D. 1924a. *Eskimo String Figures*. Report of the Canadian Arctic Expedition 1913-18. Vol. 13(B). Ottawa, ON: King's Printer.
- Jenness D. 1924b. *Myths and Traditions from Northern Alaska, the Mackenzie Delta, and Coronation Gulf*. Report of the Canadian Arctic Expeditions 1913-18. Vol. 13(A). Ottawa, ON: King's Printer.
- Jenness D. 1928. *The People of the Twilight*. New York: The Macmillan Co.
- Jenness D. 1944. Grammatical Notes on Some Western Eskimo Dialects. *Report of the Canadian Arctic Expedition 1913-1918*. Vol. 15(B). Ottawa, ON: King's Printer.
- Jenness D. 1946. *Material Culture of the Copper Eskimos*. Report of the Canadian Arctic Expedition 1913-18. Vol. 16. Ottawa, ON: King's Printer.
- Jenness, S. 1995. *Arctic Odyssey: The Diary of Diamond Jenness, 1913-1916*. Gatineau, QC: Canadian Museum of Civilization.
- Keith, D. and A. M. Stewart. 2005. *Kiluhitqurmiut Nunaa: Inuinnaqtun Immersion, Oral History and Archaeology Project, Tahikaffaaluk Site (McNk-3), Bathurst Lake Nunavut*. Report on file with the Canadian Museum of Civilization, Gatineau, QC.
- Low, A. P. 1906. *The cruise of the Neptune 1903-1904; Report on the Dominion Government Expedition to Hudson Bay and the Arctic Islands on board the D.G.S. Neptune*. Ottawa, ON: Government Printing Bureau.
- McGhee, R. 1984. *The Timing of the Thule Migration*. *Polarforschung* 54(1): 1-7.
- McGhee, R. 1996. *Ancient People of the Arctic*. Vancouver, BC: UBC Press.
- Minni, S. 1975. *The Prehistoric Occupations of Black Lake, Northern Saskatchewan*. Master of Arts thesis, University of Saskatchewan, SK.
- Morrison, D. 1978. *Archaeological Survey of Southern Bathurst Inlet, N.W.T.* Report on file with the Canadian Museum of Civilization, Gatineau, QC.
- Morrison, D. 1979. *The Archaeology of Bathurst Inlet, N.W.T.: Literature Search*. Report prepared for the National Museum of Canada, National Museum of Man, Archaeological Survey of Canada. Report on file with the Canadian Museum of Civilization, Gatineau, QC.
- Neatby, L. H. 1984. Exploration and History of the Canadian Arctic. In *Handbook of North American Indians: Arctic*. Vol. 5. 377-390. Washington, DC: Smithsonian Institution.
- Noble, W. C. 1971. Archaeological Surveys and Sequences in the Central District of Mackenzie, N.W.T. *Arctic Anthropology* 3: 102-135.
- Pentney, S. P. 2002. *The Archaeology of Brabant Lake*. MA thesis, University of Saskatchewan, SK.
- Prager, G. 2001. *Archaeological Investigations Hope Bay Joint Venture Project, Nunavut, 2000 (NWT Archaeologist's Permit 00-013)*. Report on file with the Canadian Museum of Civilization, Gatineau, QC.
- Pryde, D. 1971. *Nunaga: Ten Years Among the Eskimo*. London: Eland Books.
- Ramsden, P. and M. Murray. 1995. Identifying Seasonality in Pre-Dorset Structures in Back Bay, Prince of Wales Island, NWT. *Arctic Anthropology* 32(2):106-117.

TECHNICAL REPORT REFERENCE LIST

- Rasmussen, K. 1932. *Intellectual Culture of the Copper Eskimos*. Report of the Fifth Thule Expedition 1921-24. Copenhagen: Gyldendalske Boghandel, Nordisk Forlag.
- Rescan. 2007. *Inuit Heritage and Cultural Use of the Bathurst Inlet Port and Road Project*. Report prepared for BIPR Joint Venture Ltd by Rescan Environmental Services Ltd. September 2007.
- Roberts, H. H. and D. Jenness. 1925. *Eskimo Songs: Songs of the Copper Eskimos*. Report of the Canadian Arctic Expedition 1913-18. Volume 14. Ottawa, ON: King's Printer.
- Rescan. 2008. *2007 Archaeology Baseline Report, Hackett River Project – Nunavut Territory Archaeologist Permit No. 2007-022A*. Report prepared for Sabina Silver Corporation by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2011. *Hackett River Project: Final Report for Nunavut Territory Archaeologist Permit 10-024A*. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2012. *Back River Project: Final Report for Nunavut Territory Archaeologists Permit 11-022A*. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2013a. *Hackett River Project: Final Report for Nunavut Territory Archaeologist Permit 2012-22A*. Prepared for Xstrata Zinc Canada by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan 2013b. *Back River Project: Final Report for Class 2 Nunavut Territory Archaeologists Permit 2012-12A*. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan 2013c. *Back River Project: Final Report for Class 2 Nunavut Territory Archaeologists Permit 2013-20A*. In preparation for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Savard, R. 1966. *Les Eskimo de Bathurst Inlet (Territoires du Nord-Ouest)*. Preliminary report dated January 1966. Report on file with the Canadian Museum of Civilization, Gatineau, QC.
- Steele, P. 2003. *The Man Who Mapped the Arctic: The Intrepid Life of George Back, Franklin's Lieutenant*. Vancouver, BC: Raincoast Books.
- Stefansson, V. 1914. Prehistoric and Present Commerce Among the Arctic Coast Eskimo. *Canada Department of Mines Geological Survey Museum Bulletin*. Ottawa, ON: Government Printing Bureau.
- Stefansson, V. 1919. *Stefansson-Anderson Arctic Expedition 1909-1912*. Anthropological Papers of the American Museum of Natural History. Vol. 14. New York: American Museum of Natural History.
- Stefansson, V. 1921. *The Friendly Arctic: The Story of Five Years in Polar Regions*. New York: The MacMillan Company.
- Stenton, D. R. and R. W. Park. 1998. *Ancient Stone Tools of Nunavut*. Ottawa, ON: Parks Canada.
- Taylor, W.E. 1964. Interim account of an archaeological survey in the Central Arctic, 1963. *Anthropological Papers of the University of Alaska* 12:46-55.
- Taylor, W.E. 1967. Summary of Archaeological Field Work on Banks and Victoria Islands, Arctic Canada, 1965. *Arctic Anthropology* 4(1): 221-243.
- Taylor, W.E. 1972. *An Archaeological Survey Cape Parry and Cambridge Bay, N.W.T., Canada in 1963*. Ottawa, ON: Archaeological Survey of Canada, National Museum of Man, National Museums of Canada.
- Thorpe, N., N. Hakongak, S. Eyegetok, and the Kitikmeot Elders. 2002. *Thunder on the Tundra, Inuit Qaujimajatuqangit of the Bathurst Caribou*. Vancouver, BC: Generation Printing.

- Tischer, J.C. 2010. *Archaeological Impact Assessment 2010: Bathurst Inlet Port and Road Project Nunavut Permit 10-023A*. Report on file with the Canadian Museum of Civilization, Gatineau, QC.
- Usher, P. J. 1971. *Fur Trade Posts of the Northwest Territories, 1870-1970*. Ottawa, ON: Northern Science Research Group, Department of Indian Affairs and Northern Development.
- Woodbury, A. 1984. Eskimo and Aleut Languages. In *Handbook of North American Indians: Arctic*. Vol.5. 49-63. Washington, DC: Smithsonian Institute.

FEIS Volume 9

- Changwei, X., and Gough, W.A. 2013. A simple thaw-freeze algorithm for a multi-layer soil using the Stefan Equation. *Permafrost and Periglacial Processes*. 24. p. 252-260.
- Rescan. 2014. Back River Project: Existing and Publically Available Traditional Knowledge from Selected Aboriginal Groups in the Northwest Territories. Prepared for Sabina Gold and Silver Corp by Rescan Environmental Services Ltd.: Vancouver, BC.
- Smith, S.L., and Burgess, M.M. 2004. Sensitivity of permafrost to climate warming in Canada. *Geological Survey of Canada Bulletin* 579, 24 p.
- SRK Consulting (Canada) Inc. 2015a. Back River Project Water and Load Balance Report. Vancouver, BC.
- SRK Consulting (Canada) Inc. 2015b. Back River Hydrology Report. Vancouver, BC.
- SRK Consulting (Canada) Inc. 2015c. Climate Change Integration into Engineering Design for the Back River Project. Vancouver, BC.
- Rehak T.R., Mowrey G.L., Ingram D.K., Bhatt S.K., Bajpayee T.S. Fatal Accidents due to Flyrock and Lack of Blast Area Security and Working Practices in Mining. National Institute for Occupation Safety and Health, Pittsburgh, Pennsylvania, USA.
<http://www.cdc.gov/niosh/mining/userfiles/works/pdfs/fadt.pdf> (accessed July 2013).

FEIS Volume 10

- ANL (Angoniatit Niovikvia Ltd.) and Golder (Golder Associates Ltd.), 2005. Restoration of an Arctic char fishery near Bernard Harbour, Nunavut (Phase1, Site Inspection/Design Planning). Report Prepared for Department of Fisheries and Oceans, Yellowknife NT. 19 p + plates and app.
- BGC. 2003. Implications of Global Warming and the Precautionary Principle in Northern Mine Design and Closure. Prepared for Indian and Northern Affairs Canada by BGC Engineering Incorporated: Calgary, AB.
- Babaluk, J.L., L. Harwood, A. Kristofferson, and J. Reist. 1998. Life history and stock differences in Arctic charr of the Paulatuk-Hornaday River, NT area as determined by strontium distribution in otoliths. Prepared by Department of Fisheries and Oceans, Winnipeg, MB, for Fisheries Joint Management Committee, Inuvik, NT. 37pp.
- Boag, D. A. and V. Lewin. 1980. Effectiveness of three waterfowl deterrents on natural and polluted ponds. *Journal of Wildlife Management*, 44 (1): 145-54.
- Finley, K. J., G. W. Miller, R. A. Davis, and W. R. Koshi. 1983. A distinctive large breeding population of ringed seals (*Phoca hispida*) inhabiting the Baffin Bay pack ice. *Arctic*, 36: 162-73.
- Frost, K. J., L. F. Lowry, G. Pendleton, and H. R. Nute. 2002. Monitoring distribution and abundance of ringed seals in northern Alaska. OCS Study MMS 2002-043. Final report from the Alaska Department of Fish and Game, Juneau, AK, for U.S. Minerals Management Service, Anchorage, A.K.:
- Furness, R. W. and J. J. D. Greenwood. 1993. *Birds as Monitors of Environmental Change*. London: Chapman and Hall.
- Gartner Lee Ltd. 2008. Field Report - Back River Project: Wildlife and Wildlife Habitat. Prepared for Dundee Precious Metals Inc. by Gartner Lee Limited: Burnaby, BC.
- Gill, R. E., C. A. Babcock, C. M. Handel, W. R. J. Butler, and D. G. Raveling. 1996. Migration, fidelity, and use of autumn staging grounds in Alaska by Cackling Canada Geese *Branta canadensis minima*. *Wildfowl*, 47: 42-61.
- GN DED&T. 2013. Fall 2012 Report on Fourth Kitikmeot SEMC Meeting and Socio-Economic Monitoring. Cambridge Bay, Nunavut: 27-29 November 2012.
- Golder. 2000. Oil Sands Tailings Ponds Bird-Deterrent and Dispersal Systems - A Review of Research and Current Practices. Prepared for Suncor Energy Inc., Syncrude Canada Ltd., Albion Sands Energy Inc. by Golder Associates Ltd.: Calgary, AB.
- Golder and ANL (Angoniatit Niovikvia Ltd.). 2007. Restoration of an Arctic char fishery near Bernard Harbour, Nunavut, phase 1a - site inspection and design planning. Submitted to Fish Habitat Compensation Fund, Department of Fisheries and Oceans, Yellowknife, NT. 33 p. + app.
- Golder. 2013. 2012 Field Report: Stream Restoration and Community Stewardship of Arctic Char at Nulahugyuk (Bernard Harbour). Prepared by Golder Associates Ltd, Submitted to Environment Canada, June 2013. 27 p. + app.
- Hering, D. K., D. L. Bottom, E. F. Prentice, K. K. Jones, and I. A. Fleming. 2010. Tidal movements and residency of subyearling Chinook salmon (*Oncorhynchus tshawytscha*) in an Oregon salt marsh channel. *Canadian Journal of Fisheries and Aquatic Sciences* 67: 524-533.
- Hilborn, R., and K. Stokes. 2010. Defining overfished stocks: have we lost the plot?. *Fisheries* 35: 113-120.
- Hosmer, D.W., and S. Lemeshow. 2000. *Applied logistic regression*, second edition. A Wiley-Interscience Publication, John Wiley and Sons, Inc. Toronto, ON.

TECHNICAL REPORT REFERENCE LIST

- Jenness, D., and S. E. Jenness. 1991. Arctic Odyssey: The Diary of Diamond Jenness, Ethnologist with the Canadian Arctic Expedition in Northern Alaska and Canada, 1913-1916. Canadian Museum of Civilization.
- Kelly, B. P. 1988. Ringed seal (*Phoca hispida*). In Selected marine mammals of Alaska: Species accounts with research and management recommendations. Ed. J. W. Lentfer. Washington, DC: Marine Mammal Commission.
- Kingsley, M. S. C., I. Stirling, and W. Calvert. 1985. The distribution and abundance of seals in the Canadian High Arctic, 1980-82. Canadian Journal of Fisheries and Aquatic Sciences, 42 (6): 1189-210.
- Klemetsen, A., P-A Amundsen, J. B. Dempson, B. Jonsson, N. Jonsson, M.F. O'Connell, and E. Mortensen. 2013. Atlantic salmon *Salmo salar* L., brown trout *Salmo trutta* L. and Arctic charr *Salvelinus alpinus* (L.): a review of aspects of their life histories. Ecology of Freshwater Fish 12: 1-59.
- Knight Piésold Ltd. 2013. *Hydrometeorology Report*. Vancouver, BC. Ref. No. VA101-517/2-1, Rev. 0, dated March 1, 2013. Prepared for Sabina Gold & Silver Corp.
- Kunnasranta, M., H. Hyvärinen, J. Häkkinen, and J. T. Koskela. 2002. Dive types and circadian behaviour patterns of Saima ringed seals *Phoca hispida saimensis* during the open-water season. Acta Theriologica, 47: 63-72.
- Lunn, L. J., I. Stirling, and S. N. Nowicki. 1997. Distribution and abundance of ringed (*Phoca hispida*) and bearded seals (*Erignathus barbatus*) in western Hudson Bay. Canadian Journal of Fisheries and Aquatic Science, 54: 914-21.
- McLaren, I. A. 1958. The biology of the ringed seal (*Phoca hispida* Schreber) in the eastern Canadian arctic. Fisheries Research Board of Canada 653: 1-97.
- McLaren, I. A. 1962. Population dynamics and exploitation of seals in the eastern Canadian Arctic. In The Exploitation of Natural Animal Populations, A Symposium of the British Ecological Society, Symposium Number Two. Ed. E. D. LeCren and M. W. Holdgate. 168-83 p. Durham, UK: Blackwell Science Publications Limited.
- Miramar Hope Bay Ltd. 2005. *Doris North Project Final Environmental Impact Statement – 8 Selection of Valued Environmental Components*. Available at: http://ftp.nirb.ca/02-REVIEWS/COMPLETED%20REVIEWS/05MN047-DORIS%20NORTH%20GOLD%20MINE%202006/2-REVIEW/09-FINAL_EIS/103.%20FEIS/Technical%20Reports/Chapter%2008/CHAPTER%2008%20SELECTION%20OF%20VALUED%20ENVIRONMENTAL%20COMPONENTS.pdf. October 2005.
- Moulton, V. D., W. J. Richardson, T. L. McDonald, R. E. Elliott, and M. T. Williams. 2002. Factors influencing local abundance and haul-out behaviour of ringed seal (*Phoca hispida*) on landfast ice of the Alaskan Beaufort Sea. Canadian Journal of Zoology, 80: 1900-17.
- Noel, L. E., M. K. Butcher, M. A. Cronin, and B. Streever. 2006. Assessment of effects of an oil pipeline on Caribou, *Rangifer tarandus granti*, use of riparian habitats in arctic Alaska, 2001-2003. Canadian Field-Naturalist, 120 (3): 323-30.
- O'Neil, J. and L. Hildebrand. 1986. *Fishery resources upstream of the Oldman River Dam*. Prepared for Alberta Environment, Planning Division. R.L. & L. Report No. 181: 131 p. + 7 appendices.
- Puffer, M., O. K. Berg, A. Huusko, T. Vehanen, T. Forseth, and S. Einum. 2014. Seasonal effects of hydropeaking on growth, energetics, and movement of juvenile Atlantic Salmon (*Salmo salar*). River Research and Applications 2014, DOI: 10.1002/rra.2801.

- Randall, R.G., M. J. Bradford, K. D. Clarke, and J. C. Rice. 2013. A science-based interpretation of ongoing productivity of commercial, recreational or Aboriginal fisheries. DFO Canadian Scientific Advisory Section, Science, Advisory Report, 2012/112 iv + 26 p.
- Rescan. 2010. Back River Project: 2010 Fish and Fish Habitat Baseline Report. Prepared for Sabina Gold & Silver Corporation by Rescan Environmental Services, Ltd.: Vancouver, BC.
- Rescan. 2012. Gitxsan Nation Traditional Knowledge and Use Desk-based Research Report. Prepared for Seabridge Gold Inc. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2012a. Back River Project 2011 Fish and Fish Habitat Baseline Report. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2013. Back River Project: 2013 Fish and Fish Habitat Baseline Report. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan Environmental Services Ltd. (Rescan). (2013). *Back River Project: Geochemical Characterization and Metal Leaching / Acid Rock Drainage Potential Report. Prepared for Sabina Gold & Silver Corp. PROJ#0194096-0040-0007, Rev. A.1, dated October 2013.*
- Rescan. 2013a. *Back River Project: Draft No Net Loss Plan (Fisheries Offsetting Plan)*. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd., an ERM company. September 2013.
- Rescan. 2013b. Back River Project: 2012 Grizzly Bear and Wolverine DNA Baseline Report. Prepared for Sabina Gold and Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2013d. Resource Selection Function for the Bathurst caribou herd; Post-calving and summer range. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Ltd.: Vancouver, BC.
- Rescan. 2014. Back River Project: 2014 Fish and Fish Habitat Assessment of the Tailings Impoundment Area Alternative Site. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd., an ERM Company: Vancouver, BC.
- Rescan. 2014a. Back River Project Grizzly Bear and Wolverine DNA Report, 2013. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Ltd: Vancouver, BC (In Prep).
- Rescan Environmental Services Ltd. (Rescan). (2014). *Back River Project: Cumulative Permafrost Baseline Data Report (2007 to May 2014)*. Prepared for Sabina Gold & Silver Corp. PROJ# 0234411-0010, dated June 2014.
- Ronconi, R. A. and C. C. St. Clair. 2006. Efficacy of a radar-activated on-demand system for deterring waterfowl from oil sands tailings ponds. *Journal of Applied Ecology*, 43: 111-19.
- Samarasin, P., C. K. Minns, B. J. Shuter, W. M. Tonn, and M. D. Rennie. 2015. Fish diversity and biomass in northern Canadian lakes: northern lakes are more diverse and have greater biomass than expected based on species-energy theory. *Canadian Journal of Fisheries and Aquatic Sciences* 72: 226-237.
- Sandstrom, S., M. Rawson, and N. Lester. 2013. Manual of Instructions for Broad-scale Fish Community Monitoring; using North American (NA1) and Ontario Small Mesh (ON2) Gillnets. Ontario Ministry of Natural Resources. Peterborough, Ontario. Version 2013.2 35 p. + appendices.
- 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, T. G. 1973. Population dynamics of the ringed seal in the Canadian eastern Arctic. Department of the Environment, Fisheries Research Board of Canada, Bulletin 181: 55 p.
- Smith, T. G. 1987. The ringed seal (*Phoca hispida*) of the Canadian western Arctic. *Canadian Bulletin of Fisheries and Aquatic Sciences*, 216: 1-81.

TECHNICAL REPORT REFERENCE LIST

- Smith, T. G. and M. O. Hammill. 1981. Ecology of the ringed seal, *Phoca hispida*, in its fast ice breeding habitat. *Canadian Journal of Zoology*, 59: 966-81.
- Smith, T. G. and I. Stirling. 1975. The breeding habitat of the ringed seal (*Phoca hispida*); the birth lair and associated structures. *Canadian Journal of Zoology*, 53: 1297-305.
- Smith, T. G. and I. Stirling. 1978. Variation in the density of ringed seal (*Phoca hispida*) birth lairs in the Amundsen Gulf, Northwest Territories. *Canadian Journal of Zoology*, 56: 1066-71.
- SRK Consulting (Canada) Ltd. (SRK). (2015a). *Geochemical Characterization in Support of the Back River Project Feasibility Study, Nunavut*. Prepared for Sabina Gold & Silver Corp. PROJ# 1CS020.006, dated April 2015.
- SRK Consulting (Canada) Inc. 2015c. *Hydrogeological Characterization and Modeling of the Proposed Back River Project*. Prepared for Sabina Gold & Silver Corp. by SRK Consulting (Canada) Inc. October 2015.
- SRK Consulting (Canada) Inc. 2015d. *Tailings Management System Preliminary Design Report – Back River Property, Nunavut, Canada*. Prepared for: Sabina Gold & Silver Corp. by SRK Consulting (Canada) Inc. October 2015.
- SRK Consulting (Canada) Inc. 2015f. *Back River Project Site-Wide Water Management Report*. Prepared for: Sabina Gold & Silver Corp. by SRK Consulting (Canada) Inc. September 2015.
- Stern, M. J., R. B. Powell, and N. M. Ardoin. 2008. What difference does it make? Assessing outcomes from participation in a residential environmental education program. *Reports & Research* 39, 31-43.
- Stirling, I., M. S. C. Kingsley, and W. Calvert. 1982. The distribution and abundance of seals in the eastern Beaufort Sea, 1974-79. *Canadian Wildlife Service*:
- Vibe, C. 1950. The marine mammals and the marine fauna in the Thule District (northwest Greenland) with observations on ice conditions in 1939-41. *Medd Grønland*, 150: 154.
- White, C. M. and T. J. Cade. 1971. Cliff-nesting raptors and ravens along the Colville River in arctic Alaska. *Living Bird*, 10: :107-50.
- Zar, J.H. 1999. *Biostatistical Analysis*. Prentice Hall, New Jersey, 663 pp.

Technical Comment Responses FEIS

- Babaluk JL, Harwood L, Kristofferson A, Reist J. 1998. Life history and stock differences in Arctic charr of the Paulatuk-Hornaday River, NT area as determined by strontium distribution in otoliths. Prepared by Department of Fisheries and Oceans, Winnipeg, MB, for Fisheries Joint Management Committee, Inuvik, NT. 37pp.
- Calef, G. W., E. A. DeBock, and G. M. Lortie. 1976. Reaction of Barren-Ground Caribou to Aircraft. *Arctic*, 29 (4): 201-12.
- Charry, B. and J. Jones. 2010. Traffic Volume as a Primary Road Characteristic Impacting Wildlife: A Tool for Land Use and Transportation Planning. In *Proceedings of the 2009 International Conference on Ecology and Transportation*, edited by Paul J. Wagner, Debra Nelson, and Eugene Murray. Raleigh, NC: Center for Transportation and the Environment, North Carolina State University, 2010.
- Dickson, D.L. 2012. Seasonal movement of Pacific Common Eiders breeding in arctic Canada. Canadian Wildlife Service Technical Report Series No. 521 Available online at: <http://ec.gc.ca/Publications/default.asp?lang=En&xml=65AD25CF-A8D8-4407-9B5C-7BAB469B3403>
- Flydal, K., A. Hermansen, P.S. Enger, E. Reimers. 2001 Hearing in reindeer (*Rangifer tarandus*). *J Comp Physiol A*. 187: 265-269.
- Garg, N., and P. Singla. 2011. Arsenic toxicity in crop plants: physiological effects and tolerance mechanisms. *Environ. Chem. Lett.* **9**: 303-321.
- Golder. 2013b. 2013 Field Report for Arctic Char Study at Nulahugyuk Creek (Bernard Harbour). Submitted to MMG Limited, September 27, 2013. Golder Project #13-1373-0010. 2 pp.
- Golder. 2015. Community-Based Monitoring at Bernard Harbour, Nunavut, July 2015. Submitted to Sabina Golder & Silver Corp., August 14, 2015. Golder Project #1419666. 6 pp.
- Gross MR, Coleman RM, McDowall RB. 1988. Aquatic productivity and the evolution of diadromous fish migration. *Science* 239: 1291-1293.
- Inuit Traditional Knowledge of Sabina Gold & Silver Corp., Back River Project, Naonaiyaotit Traditional Knowledge Project (NTKP) report, commissioned by Kitikmeot Inuit Association (KIA 2012) (Appendix V3-3A of DEIS/FEIS);
- Jensen AJ, Diserud OH, Finstad B, Fiske P, Rikardsen AH. 2015. Between-watershed movements of two anadromous salmonids in the Arctic. *Canadian Journal of Fisheries and Aquatic Sciences* 7:855-63.
- Jørgensen EH, Johnsen HK. 2014. Rhythmic life of the Arctic charr: Adaptations to life at the edge. *Marine genomics* 14:71-81.
- Keeley, W. H. and M. J. Bechard. 2011. Flushing distances of ferruginous hawks nesting in rural and exurban New Mexico. *Journal of Wildlife Management*, 75 (5): 1034-39.
- Klemetsen A, Amundsen P-A, Dempson JB, Jonsson B, Jonsson N, O'Connell MF, Mortensen E. 2013. Atlantic salmon *Salmo salar* L., brown trout *Salmo trutta* L. and Arctic charr *Salvelinus alpinus* (L.): a review of aspects of their life histories. *Ecology of Freshwater Fish* 12: 1-59.
- LGL Limited. 2005. Bathurst Inlet Port and Road Project: Baseline Marine Mammal Studies, September 2004.
- LGL Limited. 2007. Bathurst Inlet Port and Road Project: Baseline Marine Mammal Studies, June-July 2007.
- Power M, Reist JD, Dempson JB. 2008. Fish in high-latitude Arctic lakes. *Polar Lakes and Rivers* 11:249-67.

TECHNICAL REPORT REFERENCE LIST

- Randall RG, Bradford MJ, Clarke KD, Rice JC. 2013. A science-based interpretation of ongoing productivity of commercial, recreational or Aboriginal fisheries. DFO Canadian Scientific Advisory Section, Science, Advisory Report, 2012/112 iv + 26 p
- Reimers, E. and J. E. Colman. 2003. Reindeer and Caribou (*Rangifer tarandus*) Response Toward Human Activities. *Rangifer*, 26 (2): 55-71.
- Rescan 2015. Back River Project: 2015 Fish and Fish Habitat Baseline Report. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd., an ERM company.
- Rescan. unpublished. Hackett River Project: Wildlife Baseline Report, 2013. Vancouver, BC.
- Richardson, C. T. and C. K. Miller. 1997. Recommendations for Protecting Raptors from Human Disturbance: A review. *Wildlife Society Bulletin*, 25 (3): 634-38.
- Taillon, J., Brodeur, V., and Festa-Bianchet, M. (2012) Is mother condition related to offspring condition in migratory caribou (*Rangifer tarandus*) at calving and weaning? *Canadian Journal of Zoology*, 90: 393-402.
- Vøllestad LA, L'Abée-Lund JH. 1994 Evolution of the life history of Arctic charr *Salvelinus alpinus*. *Evolutionary Ecology* 8:315-27.
- Weisenberger, M. E., P. R. Krausman, M. C. Wallace, D. W. De Young, and O. E. Maughan. 1996. Effects of simulated jet aircraft noise on heart rate and behavior of desert ungulates. *Journal of Wildlife Management*, 60: 52-61.
- Wittmer, H.U., A.R.E. Sinclair, B.N. McLellan. 2005. The role of predation in the decline and extirpation of woodland caribou. *Oecologia*. 144:257-267
- Wolfe, S. A., B. Griffith, and C. A. Gray Wolfe. 2000. Response of reindeer and caribou to human activities. *Polar Research*, 19 (1): 63-73.
- Zeimann, J. 2007. Tibbitt Lake to Contwoyto Winter Road Monitoring Station Report. Manuscript Report No. 173

Information Request Responses FEIS

- Aastrup, P., Riget, F., Dietz, R., and G. Asmund. 2000. Lead, Zinc, Cadmium, Mercury, Selenium And Copper In Greenland Caribou And Reindeer (*Rangifer tarandus*). The Science of the Total Environment 245:149-159.
- Agnico Eagle Mines Limited 2011. 2010 Annual Report for Water Licence 2BB-MEL0914. Prepared for the Nunavut Water Board. April 2011.
- Agnico Eagle Mines Limited 2012. Meliadine Gold Project 2011 Annual Report for Water Licence 2BB-MEL0914. Prepared for the Nunavut Water Board. February 2012.
- Agnico Eagle Mines Limited - Meadowbank Division 2012. Meadowbank Gold Project 2011 Annual Report. Prepared for Nunavut Water Board, Fisheries and Oceans Canada, Indian and Northern Affairs Canada, Kivalliq Inuit Association.
- Agnico Eagle Mines Limited - Meadowbank Division 2013. Meadowbank Gold Project 2012 Annual Report. Water Licence 2BE-MEA0813. Report Prepared for the Nunavut Water Board. February 2013.
- Agnico Eagle Mines Limited 2013. Meliadine Gold Project 2012 Annual Report for Water Licence 2BB-MEL0914. Prepared for the Nunavut Water Board. February 2013.
- Agnico Eagle Mines Limited - Meadowbank Division 2014. Meadowbank Gold Project 2013 Annual Report. Prepared for the Nunavut Water Board, Nunavut Impact Review Board, Fisheries and Oceans Canada, Aboriginal Affairs and Northern Development Canada, Kivalliq Inuit Association.
- Agnico Eagle Exploration 2014. Meliadine Gold Project 2013 Annual Report for Water Licence 2BE-MEP1318. March 2014.
- Arp, C.D., Whitman, M.S., Jones, B.M., Kemnitz, R., Grosse, G., and F.E. Urban. 2012 Drainage Network Structure And Hydrologic Behavior Of Three Lake-Rich Watersheds On The Arctic Coastal Plain, Alaska. Arctic, Antarctic, and Alpine Research 44:385-398
- BGC (BGC Engineering Inc.). 2014. A21 Dike 2014 Design Report Update Final. Report prepared for Diavik Diamond Mines Inc., Project No: 1207002-600-01, November 28, 2014.
- Borger L, Franconi, N., De Michele, G., Gantz, A., Meschi, F., Manica, A., Lovari, S., and T. Coulson. 2006a. Effects Of Sampling Regime On The Mean And Variance Of Home Range Size Estimates. J Anim Ecol 75:1493-1405.
- Bowling, L.C, Kane, D.L., Gieck, R.E., and L.D. Hinzman. 2003. The Role Of Surface Storage In A Low-Gradient Arctic Watershed. Water Resources Research 39:1-13.
- Berti, P.R., Receveur, O., Chan, H.M., and H.V. Kuhnlein. 1998. Dietary Exposure To Chemical Contaminants From Traditional Food Among Adult Dene/Metis In The Western Northwest Territories, Canada. Environmental Research, Section A, 76, 131-142.
- Campbell, M., Boulanger, J., Lee, D.S., Dumond, M., and J. McPherson. 2012. Calving Ground Abundance Estimates Of The Beverly And Ahiak Subpopulations Of Barren-Ground Caribou (*Rangifer tarandus groenlandicus*) - June 2011. Department of Environment, Government of Nunavut: Arviat, Nunavut.
- Chan, H.M., Kim, and D. Leggee. 2001. Cadmium in Caribou (*Rangifer tarandus*) Kidneys: Speciation, Effects Of Preparation And Toxicokinetics. Food Additives and Contaminants 18(7):607-614.
- Chan, H.M., Kim, C., Khoday, K., Receveur, O., and H.V. Kuhnlein. 1995. Assessment Of Dietary Exposure To Trace Metals In Baffin Inuit Food. Environmental health perspectives, 103(7-8), 740.

TECHNICAL REPORT REFERENCE LIST

- Comaplex Minerals Corp 2009. Meliadine West Gold Project 2008 Report to the Kivalliq Inuit Association, Nunavut Impact Review Board, and the Nunavut Water Board for the Meliadine West Gold Project. Annual Report. Water License: 2BB - MEL0709. March 2009.
- Comaplex Minerals Corp 2010. Meliadine West Gold Project 2009 Annual 2009 Report for Water License: 2BB - MEL0914.
- Crête, M. Nault, R. Walsh, P. Benedetti, J.L., Lefebvre, N.A., Weber, J.P., and J. Gagnon. 1989. Variation In Cadmium Content Of Caribou Tissues From Northern Quebec. *Sci Total Environ* 1989; 80:103-112.
- ElBoushi, I.M. 1975. Amount Of Water Needed To Initiate Flow In Rubbly Rock Particles. *Journal of Hydrology*, 27, pp. 275-284.
- Elkin, B.T., and R.W. Bethke. 1995. Environmental Contaminants In Caribou In The Northwest Territories, Canada. *Sci Total Environ* 160/161: 307-321.
- ERM Rescan. 2014. Ekati Diamond Mine: 2013 Wildlife Effects Monitoring Program. Prepared for Dominion Diamond Ekati Corporation by ERM Rescan: Yellowknife, Northwest Territories.
- ERM (ERM Consultants Canada Ltd.). 2015. Doris North Project: 2014 Aquatic Effects Monitoring Program. Prepared for TMAC Resources Inc. by ERM Consultants Canada Ltd.: Yellowknife, Northwest Territories. Accessed online at [ftp://ftp.nwb-oen.ca/1%20PRUC%20PUBLIC%20REGISTRY/2%20MINING%20MILLING/2A/2AM%20-%20Mining/2AM-DOH1323%20TMAC/3%20TECH/9%20MONITORING%20\(J\)\(K\)/K7%20AEMP](ftp://ftp.nwb-oen.ca/1%20PRUC%20PUBLIC%20REGISTRY/2%20MINING%20MILLING/2A/2AM%20-%20Mining/2AM-DOH1323%20TMAC/3%20TECH/9%20MONITORING%20(J)(K)/K7%20AEMP).
- Gamberg, M., Braune, B., Davey, E., Elkin, B., Hoekstra, P.F., Kennedy, D., and B. Zee. 2005. Spatial And Temporal Trends Of Contaminants In Terrestrial Biota From The Canadian Arctic. *Science of the Total Environment*, 351: 148-164.
- Gamberg, M., and A.M. Scheuhammer. 1994. Cadmium In Caribou And Muskoxen From the Canadian Yukon and Northwest Territories. *Science of the Totyal Environment* 143:221-223.
- Golder (Golder Associates Ltd.). 2013. SD 2-3 Tailings Storage Facility Preliminary Design - Meliadine Gold Project, Nunavut. Final Report prepared for Agnico-Eagle Mines Ltd., Doc 255-1114280011/3000 Ver. 0, January 7, 2013.
- Golder 2014. SD 6-3 Geochemical Characterization of Waste Rock, Ore, Tailings and Overburden, Meliadine Gold Project, Nunavut. Report submitted to Mines Agnico Eagle. April 2014.
- Halchuk, S., Allen, T.I., Rogers, G.C., and J. Adams. 2015. Seismic Hazard Earthquake Epicentre File (SHEEF2010) used in the fifth generation seismic hazard maps of Canada; Geological Survey of Canada, Open File 7724, 2015, 21 pages, doi:10.4095/296908
- Hilborn, R., and K. Stokes. 2010. Defining Overfished Stocks: Have We Lost The Plot? *Fisheries* 35: 113-120.
- Homestake Canada Inc. 1996. Cullaton Lake Gold Mines Ltd Water Licence N6L2-0940 Annual Water Licence Report 1995. March 1996.
- Homestake Canada Inc. 1997. Cullaton Lake Gold Mines Ltd Water Licence N6L2-0940 Annual Water Licence Report 1996. March 1997.
- International Corona Corporation 1992. Cullaton Lake Gold Mine Water Licence N6L3-0940 Annual Environment Report 1991. February 1992.
- Kim, C., Chan, H.M., and O. Receveur. 1998. Risk Assessment Of Cadmium Exposure in Fort Resolution, Northwest Territories, Canada. *Food Additives and Contaminants*, 1998, 15(3): 307-317.

- Kraus, J.E., Benson, C.H., Erickson, A.E., and E.J., Chamberlain. 1997. Freeze-thaw Cycling and Hydraulic Conductivity of Bentonitic Barriers. *Journal of Geotechnical and Geoenvironmental Engineering*, Vol 123, No 3, March 1997. Pages 229-268.
- Kolstad, D.C., Benson, C.H., and E.B., Truncer. 2004. Hydraulic Conductivity and Swell of Nonprehydrated Geosynthetic Clay Liners Permeated with Multispecies Inorganic Solutions. *Journal of Geotechnical and Geoenvironmental Engineering*, Vol.130, No 12, December 2004. Pages 1236-1249.
- Kuhnlein, H.V., Receveur, O., Chan, H.M, and E. Loring. 2000. Assessment of Dietary Benefit/Risk in Inuit Communities. ISBN: 0-7717-0558-1.
- Kung, K.J. 1988, Ground Truth About Water Flow Patterns in a Sandy Soil and its Influences on Solute Sampling and Transport Modeling. in, *Proceedings of the International Conference and Workshop on the Validation of Flow and Transport Models for the Unsaturated Zone*, Ruidoso, New Mexico, May 22-25, 1988. pp.224-230.
- Marcoline, J.R., 2008. Investigations of Water and Tracer Movement in Covered and Uncovered Unsaturated Waste Rock. Ph.D. Thesis, University of British Columbia, Vancouver, British Columbia.
- Murr, L.E., Schlitt, W.J., and L.M. Cathles. 1981. Experimental Observations of Solution Flow in the Leaching of Copper-Bearing Waste. Chapter 24 of *Interfacing Technologies in Solution Mining: Proceedings of the 2nd SME-SPE International Solution Mining Symposium*, pp. 271-290.
- Nichol, C., Smith, L., and R. Beckie. 2000. Hydrogeologic Behaviour of Unsaturated Waste Rock: An Experimental Study. in, *Proceedings from the 5th International Conference on Acid Rock Drainage*, Denver, Colorado, May 2000. pp.215-224.
- Nichol, C., Smith, L., and R. Beckie, 2003. Water Flow in Uncover Waste Rock: A Multi-year Large Lysimeter Study. In *Proceedings of the Sixth International Conference on Acid Rock Drainage*, Cairns, Queensland, 912-926.
- O'Hara, T.M., George, J.C., Blake, J., Burek, K., Carroll, G., Dau, J., Bennett, L., McCoy, C.P., Gerard, P., and V. Woshner. 2003. Investigation of Heavy Metals in a Large Mortality Event in Caribou of Northern Alaska. *Arctic* 56(2):125-1325.
- Poff, L., Allan, J.D., Bain, M.B., Prestegard, K.L., Richter, B.D., Sparks, R.E., and J.C. Stromberg. 1997. The Natural Flow Regime. *Bioscience* 47:769-784
- Robillard, S., Beauchamp, G., Paillard, G., and D. Bélanger. 2002. Levels of Cadmium, Lead, Mercury and 137Caesium in Caribou (*Rangifer tarandus*) Tissues from Northern Québec. March 2002. *Arctic*. 55: 1-9.
- Rose, K.A., Cowan, J.H., Winemiller, K.O., Myers, R.A., and R. Hilborn. 2001. Compensatory Density Dependence In Fish Populations: Importance, Controversy, Understanding And Prognosis. *Fish and Fisheries*, 2(4), pp.293-327.
- Šmejkal, M., Ricard, D., Prchalová, M., Říha, M., Muška, M., Blabolil, P., Čech, M., Vašek, M., Jůza, T., Monteoliva, H.A., and L. Encina, 2015. Biomass and Abundance Biases in European Standard Gillnet Sampling. *PloS one*, 10(3), p.e0122437.
- Sililo, O.T.N., and J.H. Tellam, 2000. Fingering in Unsaturated Zone Flow: A Qualitative Review with Laboratory Experiments on Heterogeneous Systems. *Groundwater*, Vol. 38(6), pp. 864-871.
- SNC Lavalin Morrow Environmental 2006. Phase 1 and 2 Environmental Site Assessment. Lupin Mine Site. Report prepared for Kinross Gold Corp. January 11, 2006.

TECHNICAL REPORT REFERENCE LIST

- SRK (Steffen Robertson and Kirsten) 1995. Modelling Acidic Drainage from Waste Rock Piles. Draft Report S1202P9, prepared for the B.C. Ministry of Energy Mines and Petroleum Resources and Environment Canada. October 1995.
- SRK (Steffen Robertson and Kirsten) 1996. Geochemical Modelling of Halde Beerwalde and Halde Drosen. Report W104207 prepared for WISMUT GmbH, June, 1996.
- Stromberg, B. and S. Banwart, 1999b. Weathering Kinetics of Waste Rock from the Aitik Copper Mine, Sweden: Scale Dependent Rate Factors and pH Controls in Large Column Experiments. Journal of Contaminant Hydrology 39 (59-89).
- Tchobanglous G., and E.D. Schroder, 1987. Water Quality - Characteristics Modelling, Modification. Addison - Wesley Publishing Company Inc. 768 pages.
- Wardlaw, N.C., and M. McKellar. 1985. Oil Blob Populations and Mobilization of Trapped Oil in Unconsolidated Packs. The Canadian Journal of Chemical Engineering, v.63, pp.525-532.

Technical Comment Responses FEIS Addendum

- Aboriginal Affairs and Northern Development Canada (AANDC). 2011. Northern Land Use Guidelines - Northwest Territories Seismic Operations. Volume 09a. Minister of the Department of Indian and Northern Development, Government of Canada: Yellowknife, Northwest Territories.
- Aguilera, E., R.L. Knight and J.L. Cummings. 1991. An evaluation of 2 hazing methods for urban Canada Geese. *Wildl. Soc. Bull.* 19(1):32-35.
- Andelt, W.F., T.P. Woolley and S.N. Hopper. 1997. Effectiveness of barriers, pyrotechnics, flashing lights, and Scarey Man® for deterring heron predation on fish. *Wildlife Society Bulletin* 25(3): 686-694.
- BCRP. 2016. Bathurst Caribou Range Plan: Interim Discussion Paper. December 2016 http://www.enr.gov.nt.ca/sites/default/files/bathurst_caribou_range_plan_discussion_document_december_2016.pdf.
- BCRP. 2017. Bathurst Caribou Range Plan: Interim Range Assessment and Technical Methods Report. March 2017. http://www.enr.gov.nt.ca/sites/default/files/interim_range_assessment_technical_report_march_2017.pdf
- Beale, C.M. 2007. The behavioral ecology of disturbance responses. *International Journal of Comparative Psychology* 20:111-120.
- Campbell, M., J. Boulanger, D. S. Lee, and M. Dumond. 2012. Calving ground abundance estimates of the Beverly and Ahik subpopulations of barren-ground caribou (*Rangifer tarandus groenlandicus*) - June 2011. Department of Environment, Government of Nunavut: Arviat, Nunavut.
- Davis, R.A. and T.J. Davis. 1994. Studies of the numbers and behavior of gulls, and the effectiveness of a gull control program at Tower Landfill, near Denver, Colorado. Report by LGL Ltd., King City, Ontario for BFI of Colorado, Inc., Commerce City, Colorado. 157 p.
- Dyer, S. J., J. P. O'Neill, S. M. Wasel, and S. Boutin. 2002. Quantifying barrier effects of roads and seismic lines on movements of female woodland caribou in northeastern Alberta. *Canadian Journal of Zoology*, 80 (5): 839-45.
- Environment Canada. 2012. Recovery Strategy for the Woodland Caribou (*Rangifer tarandus caribou*), Boreal population, in Canada. Species at Risk Act Recovery Strategy Series. Environment Canada: Ottawa, Ontario.
- Gunn, A., K. G. Poole, and J. Wierzchowski. 2008. A geostatistical analysis for the patterns of caribou occupancy on the Bathurst calving grounds 1966-2007. Indian and Northern Affairs Canada: Yellowknife, NT.
- Harris, R.E and R. A. Davis. 1998. Evaluation Of The Efficacy Of Products and Techniques For Airport Bird Control. Transport Canada TP 13029 (03/1998).
- EIFAC (European Inland Fisheries Advisory Committee), 1988. Report of the EIFAC Working Party on prevention and control of bird predation in aquaculture and fisheries operations. EIFAC Tech. Paper 51.79 pp.
- Godin, A.J., 1986. Birds at airports. Cooperative Extension Service, Institute of Agriculture and Natural Resources, University of Nebraska, Lincoln, Nebraska. pp. 95-97.
- Nishi, J., B. Croft, J. Boulanger, and J. Adamczewsk. 2010. An estimate of breeding females in the Bathurst herd of barren-ground caribou, June 2009. Draft File Report. Northwest Territories Department of Environment and Natural Resources: Yellowknife, NT.

TECHNICAL REPORT REFERENCE LIST

- Reimers, E. and J. E. Colman. 2006. Reindeer and Caribou (*Rangifer tarandus*) Response Toward Human Activities. *Rangifer*, 26 (2): 55-71.
- Rescan. 2010. Back River Project: 2010 Fish and Fish Habitat Baseline Report. Prepared for Sabina Gold & Silver Corporation by Rescan Environmental Services, Ltd.: Vancouver, BC.
- Rescan. 2012a. Back River Project 2011 Fish and Fish Habitat Baseline Report. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2012d. Back River Project: 2012 Fish and Fish Habitat Baseline Report. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2013a. Back River Project: 2013 Fish and Fish Habitat Baseline Report. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd.: Vancouver, BC.
- Rescan. 2014. Back River Project: 2014 Fish and Fish Habitat Assessment of the Tailings Impoundment Area Alternative Site. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd., an ERM Company: Vancouver, BC.
- Rescan. 2015c. Back River Project: 2015 Fish and Fish Habitat Baseline Report. Prepared for Sabina Gold & Silver Corp. by Rescan Environmental Services Ltd., an ERM Company. Vancouver, BC.
- Underwood AJ. 1992. Beyond BACI: the detection of environmental impacts on populations in the real, but variable, world. *Journal of experimental marine biology and ecology* 161: 145-178.
- Ward, J.G. 1978. Tests of the Syncrude bird deterrent device for use on a tailings pond. Rep. from LGL Ltd. Edmonton, Alb., for Syncrude Canada Ltd., Edmonton, Alb. 115 p.
- Wilson, R., L Parrett, K. Joly and J. Dau. 1016. Effects of roads on individual caribou movements during migration. *Biological Conservation*. 195 2-8.