

11 REFERENCES

- AANDC (Aboriginal Affairs and Northern Development Canada) 2017. First Nations Profiles. <http://cipn-fnpim.aadnc-aandc.gc.ca/index-eng.html>. Last modified: 2017-03-02. (Accessed March 2017).
- AANDC 2011. Aboriginal Consultation and Accommodation – Updated Guidelines for Federal Officials to Fulfill the Duty to Consult. 2011. Retrieved from: <http://www.aadnc-aandc.gc.ca/eng/1100100014664/1100100014675>. Last modified: 2010-09-15.
- Abbott, J.C. 2006-2017. Odonata Central: An online resource for the distribution and identification of Odonata. Retrieved from: <http://www.odonatacentral.org>. (Accessed: Nov 2016).
- ACCDC (Atlantic Canada Conservation Data Centre). 2014. Data Report 5262: Marinette, NS
- ACCDC. 2014. Maritime Butterfly Atlas. Retrieved from: <http://www.accdc.com/mba/index-mba.html> (Accessed: Nov 2016).
- ACCDC. 2017. Rank Definitions. Retrieved from: <http://www.accdc.com/en/rank-definitions.html>.
- Accumulation Channels. Retrieved from <https://novascotia.ca/natr/forestry/gis/wamdownload.asp>.
- Alberta 2011. A desk-top method for establishing environmental flows in Alberta rivers and streams. Alberta Environment and Alberta Sustainable Resource Development.
- Alberta Transportation (AT). 2009. Fish Habitat Manual – Guidelines & Procedures for Watercourse Crossings in Alberta. Alberta Transportation, Edmonton, Alberta.
- Alexander, D. R., Kerekes, J. J., & Sabeau, B. C. (1986). Description of Selected Lake Characteristics and Occurrence of Fish Species in 781 Nova Scotia Lakes. *Proceedings of the Nova Scotian Institute of Science*, 36(2), 63-106.
- Allen, A.W. & National Ecology Centre (United States Fish and Wildlife Service). 1987. Habitat suitability index models: barred owl. *Biological Report 82* (10.143). 17 pp.
- Allen, A.W. 1982. *Habitat Suitability Index Models: Beaver*. FWS/OBS-82/10.30 (Revised). Washington, DC: U.S. Department of the Interior, Fish and Wildlife Service. 20 p.
- AMNS (Atlantic Mining NS Inc.). 2021a. Canadian Environmental Assessment Agency, Nova Scotia Environment Round 2, Information Request Responses. Beaver Dam Mine Project. Submitted to the Impact Assessment Agency of Canada and Nova Scotia Environment. October 2021. Middle Musquodoboit, NS.
- AMNS. 2021b. Beaver Dam Mine Project Updated Mineral Lease Application. Submitted to the Nova Scotia Department of Energy and Mines. September 2021. Middle Musquodoboit, NS.
- AMNS. 2019a. Revised Environmental Impact Statement – February 28, 2019. Beaver Dam Mine Project. Submitted to the Canadian Environmental Assessment Agency and Nova Scotia Environment. February 2019. Middle Musquodoboit, NS.

- Asgarian, M., M. Tabesh, A. Roozbahani, and E.B. Bavani. 2017. Risk Assessment and Management of Wastewater Collection and Treatment Systems Using FMADM Methods. *Iran. J. Sci. Technol. Trans. Civ. Eng.* 2017, 42, 55–71.
- Andren, H. 1994. Effects of habitat fragmentation on birds and mammals in landscapes with different proportions of suitable habitat. *Oikos -Copenhagen*, 71(3), 355.
- Angelier, E. (2003). *Ecology of Streams and Rivers*. Enfield, USA: Science Publishers Inc. *Ardea* 97(4): 497–502.
- Arnold, J.G., P.M. Allen, R. Muttiah, and G. Bernhardt. 1995. Automated Base Flow Separation and Recession Analysis Techniques. *Ground Water* 33 (6): 1010–18.
- AGC (Atlantic Gold Corporation). 2017. Beaver Dam Mine Project Environmental Impact Statement. Submitted to the Canadian Environmental Assessment Agency and Nova Scotia Environment. June 12, 2017. Middle Musquodoboit, NS.
- Atlantic Gold Inc. 2014. Description and Ownership. Accessed on March 26, 2018 online at: http://www.atlanticgoldcorporation.com/projects/tourquay_gold_project/.
- Atlantis Watershed Consultants (Atlantis) 2017. 2017 Moose River Stage-Discharge Curve Report as per Approval 2012-084244-03 sec. 7f. Issued October 31, 2017.
- Ausenco (Ausenco Engineering Canada Inc.). 2015. NI 43-101 Technical Report Feasibility Study for Moose River Consolidated Project, Nova Scotia. Prepared for Atlantic Gold Corporation. Vancouver BC. Issue Date August 13, 2015.
- Ausenco. 2019. Moose River Consolidated NI 43-101 Technical Report. Submitted to Atlantic Gold March 2019 (https://www.miningnewsfeed.com/reports/MooseConsolidated_Technical_Report_05192019.pdf)
- Bach, L., R. Norregaard, V. Hansen, and K. Gustavson. 2016. Review on Environmental Risk Assessment of Mining Chemicals Used for Mineral Separation in the Mineral Resources Industry and Recommendations for Greenland. *DCE Dan. Cent. Environ. Energy* 2016, 203. Available online: <http://dce2.au.dk/pub/SR203.pdf> (accessed on 23 June 2020)
- Bash, J., C.H. Berman and S. Bolton. 2001. Effects of turbidity and suspended solids on salmonids. Seattle: University of Washington Water Center
- Balsom, S., Ballard, W. B., & Whitlaw, H. A. (1996). Mature Coniferous Forest as Critical Moose Habitat. *ALCES*, (32), 131-140.
- Bangs, E. E., Bailey, T. N., & Portner, M. F. (1984). Bull Moose Behavior and Movements in Relation to Harvest on the Kenai National Wildlife Refuge. *Alces*, 20, 187-207.
- Barbour, M. T., J. Gerritsen, B.D. Snyder, and J.B. Stribling. 1999. Rapid Bioassessment Protocols for Use in Streams and Wadeable Rivers: Periphyton, Benthic Macroinvertebrates and Fish, Second Edition. EPA 841-B-99-002. U.S. Environmental Protection Agency; Office of Water; Washington, D.C.
- Beamish, R. J. (1972). Lethal pH for the White Suckers, *Catostomus commersonii* (Lacepede). *Trans. Am. Fish. Soc.* 101(2), 355-358.
- Belliveau, A. 2012. Invasive Alien Species in Nova Scotia: Identification and Information Guide. Mersey Tobeatic Institute. pp. 20.

- Bentz, J.A., A. Saxena, and D.O'Leary. 1994. Biophysical Inventory of Shoreland Areas of the Hay - Zama Lakes, Alberta. Prepared by Geowest Environmental Consultants Ltd. for Resource Information Division, Alberta Environmental Protection. Edmonton, AB. 105 pp.
- BGC Engineering Inc., 2015, Ajax Project Environmental Assessment Numerical Groundwater Flow Model, August. Available at: <https://www.ceaa-acee.gc.ca/050/documents/p62225/104560E.pdf>.
- Bickley, J. L. and Patricelli, G. 2010. Impacts of Anthropogenic Noise on Wildlife: Research Priorities for the Development of Standards and Mitigation. *Journal of International Wildlife Law and Policy*. 13(4): 274-292. DOI:10.1080/13880292.2010.524564.
- Bigelow, H.B. and Schroeder, W.C. 2002. Fishes of the Gulf of Maine. Revision 1.1. Online version. Retrieved from: http://www.gma.org/fogm/Morone_americana.htm.
- Bird Studies Canada. (2007). Nova Scotia Nocturnal Owl Survey. Retrieved from http://www.bsceoc.org/download/NS%20owl%20survey%20instructions.pdf?_sm_au_=iVV411JJDR6VF15T.
- Bird Studies Canada. (n.d.). Second Atlas of Breeding Birds of the Maritime Provinces: Breeding Evidence Codes. Retrieved from http://www.mbaaom.ca/jsp/codes.jsp?lang=en&pg=breeding&_sm_au_=iVV411JJDR6VF15T.
- Bird Studies Canada. 2016. Second Atlas of Breeding Birds of the Maritime Provinces: Breeding Evidence Codes. Retrieved from: https://www.mbaaom.ca/jsp/codes.jsp?lang=enandpg=breedingand_sm_au_=iVV411JJDR6VF15Tandlang=enandpg=breedingand_sm_au_=iVV411JJDR6VF15T.
- Bliss-Ketchum, Leslie L., et al. 2019 "The Effect of Artificial Light on Wildlife Use of a Passage Structure." *Biological Conservation*, vol. 199, 2016, pp. 25–28., doi:10.1016/j.biocon.2016.04.025.
- Bogomolova E. M., and Kurochkin Y. A. 2002. Parturition Activity of Moose. *Alces Supplement 2*: 27-31. Retrieved from: http://flash.lakeheadu.ca/~arodgers/Alces/Suppl2/Suppl2_27.pdf.
- Bouchard, J., A. T. Ford, F. E. Eigenbrod, and L. Fahrig. 2009. Behavioral Responses of Northern Leopard Frogs (*Rana pipiens*) to Roads and Traffic: Implications for Population Persistence. *Ecology and Society* 14 (2): 23. Retrieved from: <http://www.ecologyandsociety.org/vol14/iss2/art23/> (Accessed: Nov 2016).
- Boudreault, C., Bergeron, Y., Drapeau, P., & Lopez, L. M. (2008). Edge effects on epiphytic lichens in remnant stands of managed landscapes in the eastern boreal forests of Canada. *Elsevier*, 1461-1471.
- Bowlby, H. D., Gibson, A. J. F., and Levy, A. 2013. Recovery Potential Assessment for Southern Upland Atlantic Salmon: Status, Past and Present Abundance, Life History and Trends. DFO. Canadian Science Advisory Secretariat (CSAS). Research Doc. 2013/005. v + 72 p. Retrieved from: <https://waves-vagues.dfo-mpo.gc.ca/Library/40608815.pdf>.
- Bowlby, H. D., Horsman, T., Mitchell, S. C., and Gibson, A. J. F. 2014. Recovery Potential Assessment for Southern Upland Atlantic Salmon: Habitat Requirements and Availability, Threats to Populations, and Feasibility of Habitat Restoration. DFO. Canadian Science Advisory Secretariat (CSAS). Research Doc. 2013/006. vi + 155 p. Retrieved from: <https://waves-vagues.dfo-mpo.gc.ca/Library/40608815.pdf>.

- Bowles, A.E. 1995. Responses of Wildlife to Noise. In *Wildlife and Recreationists: Coexistence through Management and Research* (Knight, R.L. and Gutzwiller, J., eds), pp. 109–156, Island Press.
- Brown, T.G., Runciman B., Pollard, S., Grant, A.D.A., and Bradford, M.J. 2009. Biological Synopsis of Smallmouth Bass (*Micropterus dolomieu*). *Can. Manuscr. Rep. Fish. Aquat. Sci.* 2887: v + 50 p.
- Buckmaster, G., Todd, M., Smith, K., Bonar, R., Beck, B., Beck, J., & Quinlan, R. (1999). Elk Winter Foraging Habitat Suitability Index Model Version 5. Retrieved from https://friresearch.ca/sites/default/files/null/HSP_1999_10_Rpt_ElkWinterForaging.pdf
- Campbell, R.W., M.K. McNicholl, R.M. Brigham, and J. Ng. 2006. Wildlife Data Centre Featured Species: Common Nighthawk. *Wildlife Afield* 3:32-71.
- Canadian Rivers Institute. (n.d.). Blacknose Dace, *Rhinichthys atratulus*. Retrieved from <http://www.unb.ca/research/institutes/cri/links/inlandfishesnb/Species/blacknosedace.html>.
- Canadian Wildlife Federation (CWF). 2021. Amphibians and Reptiles. Retrieved March 2021. <https://cwfcf.org/en/resources/encyclopedias/fauna/amphibians-and-reptiles/>
- CARP (Clean Annapolis River Project). 2007. Spreading the Word About Weeds – Appendix A and B. pp 49.
- Carter, V. 1996. National Water Summary – Wetland Resources. Technical Aspects of Wetlands: Wetland Hydrology, Water Quality and Associated Functions. US Geological Survey. pp. 25-48.
- CCCEAC (Committee on Climate Change and Environmental Assessment in Canada) 2003. Incorporating climate change considerations in environmental assessment: General guidance for practitioners. [Gatineau]. Federal-Provincial-Territorial Committee on Climate Change & Environmental Assessment. Retrieved from <https://www.canada.ca/content/dam/ceaa-acee/documents/policy-guidance/incorporating-climate-change-considerations-environmental-assessment-general-guidance-practitioners/incorporating-climate-change-considerations-environmental-assessment.pdf>
- CCME (Canadian Council of Ministers of the Environment). 1999a. Canadian Environmental Quality Guidelines, Water Quality Guidelines for the Protection of Freshwater Aquatic Life. 2015. Retrieved from: <http://ceqgrcqe.ccme.ca/en/index.html#void>.
- CCME. 1999b. Canadian Environmental Quality Guidelines, Soil Quality Guidelines for the Protection of Environmental and Human Health. 2015. Retrieved from: <http://ceqgrcqe.ccme.ca/en/index.html#void>.
- CCME. 2000. Canadian Environmental Quality Guidelines, Canada Wide Standards for Particulate Matter and Ozone. 2012. Retrieved from: https://ccme.ca/en/res/pn1483_gdad_eng-secured.pdf
- CCME. 2001. Canadian Environmental Quality Guidelines, Sediment Quality Guidelines for the Protection of Aquatic Life. 2015. Retrieved from: <http://ceqg-rcqe.ccme.ca/en/index.html#void>.
- CCME. 2002. Canadian water quality guidelines for the protection of aquatic life: Total particulate matter. In: Canadian environmental quality guidelines, 1999, Canadian Council of Ministers of the Environment, Winnipeg.

- CCME. 2003. Canadian Water Quality Guidelines for the Protection of Aquatic Life Guidance on the Site-Specific Application of Water Quality Guidelines in Canada: Procedures for Deriving Numerical Water Quality Objectives. 146 pp.
- CCME. 2007. Canadian Council of Ministers of the Environment Water Quality Guidelines for the Protection of Freshwater Aquatic life (CCME FAL) Water Quality Guidelines. <https://ccme.ca/en/resources#>
- CCME. 2014. <https://www.ccme.ca/en/resources/air/> Accessed February 2019.
- CCME. 2018. Canadian Environmental Quality Guidelines. Accessed on March 23, 2018 online at: https://www.ccme.ca/en/resources/canadian_environmental_quality_guidelines/index.html
- CCME. 2019. Canadian Ambient Air Quality Standards (CAAQS). <https://ccme.ca/en/air-quality-report#slide-7>
- CEAA (Canadian Environmental Assessment Agency) 2015a. Operational Policy Statement Determining Whether a Designated Project is Likely to Cause Significant Adverse Environmental Effects under the Canadian Environmental Assessment Act, 2012. 2015. Retrieved from: <http://www.ceaa.gc.ca/default.asp?lang=En&n=363DF0E1-1>. Last modified: 2016-07-06.
- CEAA. 2015b. Technical Guidance for Assessing the Current Use of Lands and Resources for Traditional Purposes under the Canadian Environmental Assessment Act, 2012. 2015. Retrieved from: <http://www.ceaa.gc.ca/default.asp?lang=en&n=0CF7E820-1>. Last modified: 2016-07-06.
- CEAA. 2014a. Draft Technical Guidance for Assessing Cumulative Environmental Effects under the Canadian Environmental Assessment Act, 2012. 2014. Retrieved from: <http://www.ceaa.gc.ca/default.asp?lang=en&n=B82352FF-1&offset=&toc=hide>. Last modified: 2016-07-06.
- CEAA. 2014b. Technical Guidance for Assessing Physical and Cultural Heritage or any Structure, Site, or Thing that is of Historical, Archaeological, Paleontological, or Architectural Significance under the Canadian Environmental Assessment Act, 2012. 2015. Retrieved from: <http://www.ceaa.gc.ca/default.asp?lang=en&n=536A4CFE-1>. Last modified: 2016-07-06.
- CEAA. 2014c. Reference Guide Considering Aboriginal Traditional Knowledge in Environmental Assessments Conducted Under the Canadian Environmental Assessment Act, 2012. 2014. Retrieved from: <http://www.ceaa.gc.ca/default.asp?lang=en&n=C3C7E0D3-1>. Last modified: 2016-07-06.
- CEAA. 2013a. Operational Policy Statement Assessing Cumulative Environmental Effects under the Canadian Environmental Assessment Act, 2012. 2015. Retrieved from: <http://www.ceaa.gc.ca/default.asp?lang=En&n=1DA9E048-1>. Last modified: 2016-07-06.
- CEAA. 2013b. Operational Policy Statement Addressing “Purpose of” and “Alternative Means” under the Canadian Environmental Assessment Act, 2012. 2015. Retrieved from: <http://www.ceaa.gc.ca/default.asp?lang=En&n=1B095C22-1>. Last modified: 2016-07-06.
- CEAA and NSE (Canadian Environmental Assessment Agency and Nova Scotia Environment) 2019. Beaver Dam Mine Project – Round 2, Information Requirements. May 8, 2019. Halifax, NS.

- CEAA and NSE 2017. Beaver Dam Mine Project - Technical Review Information Requirements – Round 1, Part 1. August 9, 2017. Halifax, NS.
- CEAA and NSE 2016. Guidelines for the Preparation of an Environmental Impact Statement Pursuant to the Canadian Environment Assessment Act, 2012 and Nova Scotia Registration Document Pursuant to the Nova Scotia Environment Act, Beaver Dam Mine. 2016. 38 pp.
- Chesser, R.T., Banks, R.C., Burns, K.J., Cicero, C., Dunn, J.L., Kratter, A.W., Lovette, I.J., NavarroSigüenza, A.G., Rasmussen, P.C., Remsen Jr., J.V., Rising, J.D., Stotz, D.F., and Winker, K. 2015. Fifty-sixth Supplement to the American Ornithologists' Union Check-list of North American Birds. *The Auk*, vol. 132: 748-764.
- COSEWIC (Committee on the Status of Endangered Wildlife in Canada). 2002. COSEWIC Assessment and Status Report on the Boreal Felt Lichen *Erioderma pedicellatum*. Ottawa: COSEWIC.
- COSEWIC. 2006a. COSEWIC assessment and status report on the American eel *Anguilla rostrata* in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. x + 71 pp. (www.sararegistry.gc.ca/status/status_e.cfm).
- COSEWIC. 2006b. COSEWIC Assessment and Status Report on the Rusty Blackbird (*Euphagus carolinus*) in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. vi + 28 pp.
- COSEWIC. 2007a. COSEWIC Assessment and Status Report on the Common Nighthawk (*Chordeiles minor*) in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. vi + 25 pp.
- COSEWIC. 2007b. COSEWIC Assessment and Update Status Report on the Peregrine Falcon (*Falco peregrinus*) (pealei subspecies - *Falco peregrinus* and *pealei anatum/tundrius* - *Falco peregrinus anatum/tundrius*) in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. vii + 45 pp.
- COSEWIC. 2007c. COSEWIC Assessment and Update Status Report on the Wood Turtle (*Glyptemys insculpta*) in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. vii + 42 pp.
- COSEWIC. 2008a. COSEWIC Assessment and Status Report on the Canada Warbler (*Wilsonia canadensis*) in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. vi + 35 pp.
- COSEWIC. 2008b. COSEWIC Assessment and Status Report on the Snapping Turtle (*Chelydra serpentina*) in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. vii + 47 pp.
- COSEWIC. 2010. Assessment and Status Report on the Blue Felt Lichen *Degelia plumbea* in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. x + 42 pp.
- COSEWIC. 2010. COSEWIC Assessment and Status Report on the Atlantic Salmon (*Salmo salar*) (Nunavik population, Labrador population, Northeast Newfoundland population, South Newfoundland population, Southwest Newfoundland population, Northwest Newfoundland population, Quebec Eastern North Shore population, Quebec Western North Shore population, Anticosti Island population, Inner St. Lawrence population, Lake Ontario population, Gaspé Southern Gulf of St. Lawrence population, Eastern Cape Breton population, Nova Scotia Southern Upland population, Inner Bay of Fundy population, Outer Bay of Fundy population) in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. xlvii + 136 pp.

- COSEWIC. 2011. COSEWIC Assessment and Status Report on the Barn Swallow (*Hirundo rustica*) in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. ix + 37 pp.
- COSEWIC. 2012. Assessment and Status Report on the Eastern Wood-pewee in Canada. Ottawa.
- COSEWIC. 2012. COSEWIC Assessment and Status Report on the Eastern Wood-pewee in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. x + 39 pp.
- COSEWIC. 2012. COSEWIC Assessment and Status Report on the American Eel *Anguilla rostrata* in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. xii + 109 pp.
- COSEWIC. 2013. COSEWIC Assessment and Status Report on the American Eel (*Anguilla rostrata*) in Canada. Ottawa. xii + 109 pp. Retrieved from: http://www.registrelp-sararegistry.gc.ca/sar/assessment/status_e.cfm (Accessed November 2016).
- COSEWIC. 2014. COSEWIC Assessment and Status Report on the Banded Killifish *Fundulus diaphanus* in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. x + 22 pp.
- COSEWIC. 2016. COSEWIC Assessment and Status Report on the Evening Grosbeak *Coccothraustes vespertinus* in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. xi + 64 pp.
- CRA (Conestoga-Rovers & Associates). 2007a. Environmental Assessment Registration Document for the Touquoy Gold Project, Moose River Gold Mines, Nova Scotia. Prepared for DDV Gold Limited. March 2007. REF. NO. 820933 (3)
- CRA. 2007b. Focus Report, Touquoy Gold Project, Moose River Gold Mines, Nova Scotia.
- Conference Board of Canada 2016. Provincial Long-Term Economic Forecast for Nova Scotia: 2016. 17 May 2017, Retrieved from: <http://www.conferenceboard.ca/elibrary/abstract.aspx?did=8008>
- Cornelissen, J., 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. Jonasso, F.S. Chapin, III, U. Molau, C. Neil, J.A. Lee, J.M. Melillo, B. Sveinbjornsson and R. Aerts. (2001). Global Change and Arctic Ecosystems: Is Lichen Decline a Function of Increase in Vascular Plant Biomass? *J. Ecol.* 89:984-994.
- Cornell Lab of Ornithology (n.d.)a. Chimney Swift. Retrieved from https://www.allaboutbirds.org/guide/Chimney_Swift/lifehistory.
- Cornell Lab of Ornithology (n.d.)b. Olive-sided Flycatcher. Retrieved from https://www.allaboutbirds.org/guide/Olive-sided_Flycatcher/lifehistory.
- Crimmins, S., Edwards, J.W. and Houben, J.M. 2021. *Canis latrans* (Coyote) habitat use and feeding habits in Central West Virginia. *Northeastern Naturalist*. 19(3): 411-420.
- Cunjak, R. A., and Power, G. 1986. Winter Habitat Utilization by Stream Resident Brook Trout (*Salvelinus fontinalis*) and Brown Trout (*Salmo trutta*). *Canadian Journal of Fisheries and Aquatic Sciences*. 43(10): 1970-1981. DOI: 10.1139/f86-242.
- Da Silva, A., Valcu, M., & Kempenaers, B. (2015). Light Pollution Alters the Phenology of Dawn and Dusk Singing in Common European Songbirds. *Phil. Trans. R. Soc. B* 370: 20140126. <http://dx.doi.org/10.1098/rstb.2014.0126>.

- Da Silva, A., Samplonius, J. M., Schlicht, E., Valcu, M., & Kempenaers, B. (2014). Artificial Night Lighting Rather than Traffic Noise Affects the Daily Timing of Dawn and Dusk Singing in Common European Songbirds. *Behavioural Ecology*, 25(5), 1037-1047.
- Dalhousie Hydrology Group 2018 https://novascotia.ca/fish/documents/2018_-_Toxic_Ionic_Aluminium_Levels_in_Nova_Scotia_Rivers.pdf
- Degtjarenko, P. (2016). Impacts of alkaline dust pollution on biodiversity of plants and lichens: from communities to genetic diversity. PhD Thesis. University of Tartu.
- Demarchi, M. W. (2003). Migratory Patterns and Home Range Size of Moose in the Central Nass Valley, British Columbia. *Northwestern Naturalist*, 84(3), 135-141.
- DEE (Department of the Environment and Energy). 2020. National Light Pollution Guidelines Australian Guidelines (Version 1). Commonwealth of Australia.
- DeRomilly and deRomilly Limited, Dillon Consulting Limited, Alan Bell Environmental Management Services, Cameron Consulting, Environment Canada, Inter-Cultural Development Innovations (2005). Adapting to a Changing Climate in Nova Scotia: Vulnerability Assessment and Adaptation Options. Retrieved from: https://climatechange.novascotia.ca/sites/default/files/uploads/Adapting_to_a_Changing_Climate_in_NS.pdf
- DFO (Fisheries and Oceans Canada). 2000. Effects of sediment on fish and their habitat. DFO Pacific Region Habitat Status Report 2000/01.
- DFO. 2003. Interim Policy for the Use of Backpack Electrofishing Units. Retrieved from http://www.dfo-mpo.gc.ca/Library/273626.pdf?_sm_au_=iVV40qq7F24qKss5
- DFO. 2005. Calculation of Habitat Equivalent Units for Lacustrine Habitat in Newfoundland and Labrador. Fisheries and Oceans Canada, St. John's, NL. 13pp
- DFO. 2012. Temperature threshold to define management strategies for Atlantic salmon (*Salmo salar*) fisheries under environmentally stressful conditions. DFO Can. Sci. Advis. Sec. Sci. Advis. Rep. 2012/019.
- DFO. 2013a. Framework for Assessing the Ecological Flow Requirements to Support Fisheries in Canada. DFO Can. Sci. Advis. Sec. Sci. Advis. Rep. 2013/017.
- DFO. 2013b. Recovery Potential Assessment for Southern Upland Atlantic Salmon. DFO Can. Sci. Advis. Sec. Sci. Advis. Rep. 2013/009.
- DFO. 2015. Guidelines for the Design of Fish Passage for Culverts in Nova Scotia – Appendix F: Fish Rescue Guidelines. Fisheries Protection Program, Maritimes Region. February 2015. 95 pp.
- DFO. 2019. Policy for Applying Measures to Offset Adverse Effects on Fish and Fish Habitat Under the Fisheries Act. Fish and Fish Habitat Protection Program. Fisheries and Oceans Canada. <https://www.dfo-mpo.gc.ca/pnw-ppe/reviews-revues/policies-politiques-eng.html>

- DFO. 2019. Fish and Fish Habitat Protection Policy Statement. August 2019. <https://www.dfo-mpo.gc.ca/pnw-ppe/policy-politique-eng.html>
- DHRG (Dalhousie Hydrology Research Group) 2018. Final Report on Mapping Toxic Ionic Aluminium Levels in Priority Nova Scotia Rivers for Atlantic Salmon. Retrieved from: https://novascotia.ca/fish/documents/2018_-_Toxic_Ionic_Aluminium_Levels_in_Nova_Scotia_Rivers.pdf
- Diamond, J., Winchester, E., Mackler, D., Rasnake, M., Fanelli, J., Gruber, D. 1992. Toxicity of Cobalt to Freshwater Indicator Species as a Function of Water Hardness. *Aquatic Toxicology*. Vol 22, Issue 3. Pp 163-170.
- Doneker, R.L. and G.H. Jirka, 2007. "CORMIX User Manual: A Hydrodynamic Mixing Zone Model and Decision Support System for Pollutant Discharges into Surface Waters", EPA-823-K-07-001, Dec. 2007. Available for download at <http://www.mixzon.com/downloads/>.
- Duncan, D.R., 1987. Assessment Report on 1987 Exploration Programme on Development License 0078, Halifax County, Nova Scotia, MTS 11E/2. Nova Scotia Department of Natural Resources Assessment Report AR ME 1987-117.
- EC (Environment Canada) 2017a. Federal Environmental Quality Guidelines. Cobalt. May 2017. <https://www.ec.gc.ca/ese-ees/92F47C5D-24F5-4601-AEC0-390514B3ED75/FEQG%20Cobalt%20Final%20EN.pdf>
- EC. 2017b. Historical Weather Data, http://climate.weather.gc.ca/historical_data/search_historic_data_e.html, accessed September 2017.
- EC. 2017c. Road dust emissions from unpaved surfaces: guide to reporting. <https://www.canada.ca/en/environment-climate-change/services/national-pollutant-release-inventory/report/sector-specific-tools-calculate-emissions/road-dust-unpaved-surfaces-guide.html> Accessed February, 2019.
- EC. 2016. Recovery Strategy for the Common Nighthawk (*Chordeiles minor*) in Canada. Species at Risk Act Recovery Strategy Series. Environment Canada, Ottawa. vii + 49 pp.
- EC. 2015. Recovery Strategy for Little Brown Myotis (*Myotis lucifugus*), Northern Myotis (*Myotis septentrionalis*), and Tri-colored Bat (*Perimyotis subflavus*) in Canada [Proposed]. Species at Risk Act Recovery Strategy Series. Environment Canada, Ottawa. ix + 110 pp.
- EC. 2012a. Canadian Aquatic Biomonitoring Network Field Manual: Wadeable Streams. Retrieved from http://publications.gc.ca/collections/collection_2012/ec/En84-87-2012-eng.pdf.
- EC. 2012b. Environmental Code of Practice for Metal Mines. <https://www.ec.gc.ca/lcpe-cepa/documents/codes/mm/mm-eng.pdf> (Accessed October 2018).
- EC. 2012c. Metal Mining Technical Guidance for Environmental Effects Monitoring. Government of Canada. ISBN 978-1-100-20496-3, Cat. no.: En14-61/2012E-PDF.
- ECCC (Environment and Climate Change Canada) 2020a. National Inventory Report 1990 –2018: Greenhouse Gas Sources and Sinks in Canada Canada's Submission to the United Nations Framework Convention on Climate Change, Executive Summary. En81-4/1E-PDF. Retrieved from <http://publications.gc.ca/site/eng/9.816345/publication.html>.

- ECCC. 2020b. Canada's Official Greenhouse Gas Inventory. Government of Canada.
<http://data.ec.gc.ca/data/substances/monitor/canada-s-official-greenhouse-gas-inventory/>
- ECCC. 2020c. Management Plan for the Snapping Turtle (*Chelydra serpentina*) in Canada. Species at Risk Act Management Plan Series. Ottawa, Environment and Climate Change Canada, Ottawa, iv + 40 p.
- ECCC. 2018a. Amended Recovery Strategy for the Boreal Felt Lichen (*Erioderma pedicellatum*), Atlantic population, in Canada [Proposed]. Species at Risk Act Recovery Strategy Series. Environment and Climate Change Canada, Ottawa. viii + 48 pp.
- ECCC. 2018b. "National air pollution surveillance program." Government of Canada. Retrieved from
<https://www.canada.ca/en/environment-climate-change/services/air-pollution/monitoring-networks-data/national-air-pollution-program.html>
- ECCC. 2016a. Guide for Reporting to the National Pollutant Release Inventory (NPRI) 2016 and 2017. 2016 Retrieved from:
<https://www.ec.gc.ca/inrnpri/default.asp?lang=En&n=28C24172-1>. Last modified: 2016-07-11.
- ECCC. 2016b. National Inventory Report 1990-2014: Greenhouse Gas Sources and Sinks in Canada – Part 3. Retrieved from:
 Fahrig, L. Rytwinski, T. Effects of Roads on Animal Abundance: An Empirical Review and Synthesis. Ecology and Society 14(2):21.
- ECCC. 2016c. Recovery Strategy for the Wood Turtle (*Glyptemys insculpta*) in Canada [Proposed]. Species at Risk Act Recovery Strategy Series. Environment Canada, Ottawa. v + 48 pp.
- ECCC. 2016d. Management Plan for the Snapping Turtle (*Chelydra serpentina*) in Canada [Proposed]. Species at Risk Act Management Plan Series. Ottawa, Environment and Climate Change Canada, Ottawa, iv + 39 p.
- ECCC. 2016e. Lightning Maps and Statistics (1999-2013). Retrieved from: <https://ec.gc.ca/foudre-lightning/default.asp?lang=En&n=C4E86962-1>. Last modified 2016-06-21. Accessed 2017-02-07.
- ECCC. 2015. General Nesting Periods of Migratory Birds in Canada. Retrieved from <https://www.canada.ca/en/environment-climate-change/services/avoiding-harm-migratory-birds/general-nesting-periods.html>
- ECCC. 2012. Streamlining the Approvals Process for Metal Mines with Tailings Impoundment Areas. 2012. Retrieved from:
<https://www.ec.gc.ca/pollution/default.asp?lang=En&n=EFAD32D1-1>. Last modified: 2012-12-13.
- ECCC. 2011. Guidelines for the Assessment of Alternatives for Mine Waste Disposal. 2011. Retrieved from:
<http://ec.gc.ca/pollution/default.asp?lang=En&n=125349F7-1>. Last modified: 2013-09-17.
- ECCC. 2009. Environmental Code of Practice for Metal Mines. 2009. Retrieved from: <https://www.ec.gc.ca/lcpe-cepa/default.asp?lang=En&n=CBE3CD591>. Last modified: 2015-05-07.
- ECCC. 2002. Guidance Document for Sampling and Analysis of Metal Mining Effluents. 2002. Retrieved from:
<http://publications.gc.ca/site/eng/236853/publication.html>. Last modified: 2013-04-03.
- ECCC. 2001. Guidance Document for Flow Measurement of Metal Mining Effluents. 2001. Retrieved from:
<http://publications.gc.ca/site/eng/9.535766/publication.html?pedisable=true>. Last modified: 2013-04-03.

- ECCC. 1991. Federal Policy on Wetland Conservation. 1991. Retrieved from:
<http://publications.gc.ca/site/eng/100725/publication.html>. Last modified: 2013-04-03.
- Eckhardt, K., 2005. How to construct recursive digital filters for baseflow separation. *Hydrogeological processes*, 19(2), 507-515.
- Elphick, C. S., and T. L. Tibbitts. 1998. Greater Yellowlegs (*Tringa melanoleuca*). In the Birds of North America, No. 355 (A. Poole and F. Gill, eds.). The Birds of North America, Inc., Philadelphia, PA.
- Environmental Laboratory. 1987. "Corps of Engineers Wetlands Delineation Manual," Technical Report Y-87-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.
- Esseen and Renhorn (1998). Growth and Vitality of Epiphytic Lichens – Responses to Microclimate along a forest edge-interior gradient. *Oecologia*:1-9
- Farmer, A.M. (1993). The effects of dust on vegetation – A review. *Environmental Pollution*. 79: 63-75.
- Francis, C. D., Ortega, C. P., and Cruz, A. 2009. Noise Pollution Changes Avian Communities and Species Interactions. *Current Biology* 19(16): 1415-1419. DOI: 10.1016/j.cub.2009.06.052.
- Fraser, D., Arthur, D., Morton, J. K., & Thompson, B. K. 1980. Aquatic feeding by moose *Alces alces* in a Canadian lake. *Holarctic Ecology*, 3(3).
- FSS International Consultants (Australia) Pty Ltd. (FSSI), 2015. Technical Report of the Beaver Dam
- Gauslaa, Y., & Goward, T. (2012). Relative Growth Rates of Two Epiphytic Lichens, *Lobaria pulmonaria* and *Hypogymnia occidentalis*, transplants within and outside of *Populus* dripzones. *Botany* 90: 954 - 965.
- Geist, V. 1963. On the Behaviour of the North American Moose (*Alces alces andersoni*) Peterson 1950, in British Columbia. *Behaviour*, 20(3/4), 377-416.
- GHD 2015: GHD Limited, Beaver Dam Mine Project Description. 2015. 67 pp.
- GHD Limited. 2016a. Monitor Well Drilling, Installation and Associated Groundwater Monitoring Program (Phase 1) Touquoy Gold Project, Moose River, Nova Scotia. Letter 820933-H-05. Prepared for Atlantic Gold Corporation.
- GHD Limited. 2016b. Monitor Well Drilling, Installation and Associated Groundwater Monitoring Program (Phase 2) Touquoy Gold Project, Moose River, Nova Scotia. Letter 820933-H-07. Prepared for Atlantic Gold Corporation.
- GHD Limited 2016c: GHD Limited, Beaver Dam Mine Project Update, CEEA Reference No. 80111, December 13, 2016.
- GHD Limited 2019. Air Dispersion Modelling and Air Emission Estimate Technical Memorandum – Atlantic Gold Corporation, Beaver Dam Mine Project, Beaver Dam, Nova Scotia. Pers. Correspondence to M. Milloy.
- Gibson, A. J. F., Bowlby, H. D., Sam D. L., and Amiro, P. G. 2010. Review of DFO Science Information for Atlantic Salmon (*Salmo salar*) Populations in the Southern Upland Region of Nova Scotia, DFO. 2009/081. vi + 83 p.
- Gilhen, J. 1974. The Fishes of Nova Scotia's Lakes and Streams. Nova Scotia Museum. Halifax, NS.

- Gold Project, Nova Scotia, Mineral Resource Estimate, Beaver Dam Gold Project, Nova Scotia. March.
- Golder Associates Limited (Golder). 2007. Touquoy Gold Project Feasibility Study Tailings Disposal Facility. Nova Scotia. Submitted to Atlantic Gold.
- Gosse, M.M., B. Brown, D.A. Scruton, and A. Beersing. 2001. A common approach to understanding and addressing instream flow needs in Newfoundland and Labrador. Fisheries and Oceans Canada, Internal Report. 10p + 2 app.
- Goulet, L. A. 1985. Winter habitat selection by moose in northern British Columbia. *Alces*, 21, 103125.
- Government of Canada. 1985. Fisheries Act. Retrieved from <http://laws-lois.justice.gc.ca/PDF/F14.pdf>.
- Government of Canada. 1994. Migratory Birds Convention Act. Retrieved from <http://lawslois.justice.gc.ca/PDF/M-7.01.pdf>.
- Government of Canada. 2002. Species at Risk Act (SARA). Retrieved from <http://lawslois.justice.gc.ca/PDF/S-15.3.pdf>.
- Government of Canada. 2013. Public Safety Canada. Canadian Disaster Database. Available at: <https://cdd.publicsafety.gc.ca/dtpg-eng.aspx?cultureCode=en-Ca&eventTypes=%27HU%27&normalizedCostYear=1&dynamic=false&eventId=813>. Last Date Modified: 2013-09-12. Accessed on August 10, 2021.
- Government of Nova Scotia. 1989. Wildlife Act. Retrieved from <http://www.nslegislature.ca/legc/statutes/wildlife.pdf>.
- Government of Nova Scotia. 2005. Nova Scotia Environment Ambient Air Quality Data: Air Quality Regulations N.S. Reg. 28/2005 amended January 21, 2020 (N.S. 8/2020) made under Section 25 and 112 of the Environment Act, 1994-95. Halifax, Nova Scotia. <https://novascotia.ca/nse/airdata/>
- Grubb, T.G., Pater, L.L., and Delaney, D.K. 1998. Logging Truck Noise Near Nesting Northern Goshawks. U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. <https://doi.org/10.2737/RMRS-RN-3>.
- Guertin, G., Doucet, G. J., & Weary, G. C. 1984. Moose Distribution and Winter Habitat on the Lower North Shore of the St. Lawrence River – Quebec. *Alces* 20, 27-45.
- GOMC (Gulf of Maine Council on the Marine Environment). 2007. American Eels: Restoring a Vanishing Resource in the Gulf of Maine. www.gulfofmaine.org. 12 pages.
- Halfyard, E.A. and Ferguson, G. 2009. Assessment of the 2009 West River, Sheet Harbour Atlantic Salmon Smolt Migration, Nova Scotia Salmon Association, June 2009. Retrieved from: http://www.nssalmon.ca/docs/WRSH_Smolt_Estimation_2009.pdf (Accessed December 2016).
- Hall, R. J., Likens, G. E., Fiance, S. B., & Hendrey, G. R. 1980. Experimental Acidification of a Stream in the Hubbard Brook Experimental Forest, New Hampshire. *Ecology*, 61(4), 976-989.
- Hauge, T. M., & Keith, L. B. 1981. Dynamics of Moose Populations in Northeastern Alberta. *Journal of Wildlife Management*, 45(3), 573-597.

- Hawk Monitoring Association of North America. 1998. Daily Report Form. Retrieved from http://rmbo.org/v3/Portals/5/Datasheets/HMANA_data_form.pdf?_sm_au_=iVVD3HHZw214RrD5.
- HC (Health Canada). 2015. Useful Information for Environment Assessments. http://publications.gc.ca/collections/collection_2015/sc-hc/H128-1-10-599-eng.pdf. Accessed March 2017.
- HC. 2017. Guideline for Evaluating Human Health Impacts in Environmental Assessment: Noise. <https://www.ceaa.gc.ca/050/documents/p80054/119378E.pdf>. Accessed March 2021.
- HC. 2017. Guidance for Evaluating Human Health Impacts in Environmental Assessment: Air Quality. Healthy Environments and Consumer Safety Branch, Health Canada, Ottawa, Ontario.
- Hegmann, G., C. Cocklin, R. Creasey, S. Dupuis, A. Kennedy, L. Kingsley, W. Ross, H. Spaling and D. Stalker. 1999. Cumulative Effects Assessment Practitioners Guide. Prepared by AXYS Environmental Consulting Ltd. and the CEA Working Group for the Canadian Environmental Assessment Agency, Hull, Quebec.
- Heimbuch, D. G., Wilson, H. T., Weisberg, S. B., Voslash, J. H., & Kazyak, P. F. 1997. Estimating Fish Abundance in Stream Surveys Using Double-Pass Removal Sampling. *Transactions of the American Fisheries Society*, 126(5), 795-803. doi:10.1577/15488659(1997)126<0795:EFAISS>2.3.CO;2.
- Hennick, E., Poole, J. 2016. DP ME 10, Version 6, 2016. Nova Scotia Abandoned Mine Openings Database. Nova Scotia Department of Natural Resources, Minerals and Energy Branch.
- Hilchey, J.D., Cann, D.B., MacDougall, J.I. 1963. Soil Survey of Halifax County, Nova Scotia. Report No. 13, Nova Scotia Soil Survey. Canada Department of Agriculture and Nova Scotia Department of Agriculture. 53 pp.
- Hill, N.M., and Blaney, C.S. 2009. Exotic and invasive vascular plants of the Atlantic Maritime Ecozone. In *Assessment of*
- Hinton, Michael G. and Mark N. Maunder. 2003. Methods for standardizing CPUE and How to Select Among Them. Inter-American Tropical Tuna Commission, July 2003. Retrieved from <https://spccfpstore1.blob.core.windows.net/digitalibrary-docs/>. Accessed Dec 2016.
- HRM (Halifax Regional Municipality) 1996a. Musquodoboit Valley/Dutch Settlement Municipal Planning Strategy. 2014. Retrieved from: <http://www.region.halifax.ns.ca/planning/MusquodoboitValleyDutchSettlementPlanArea.php>. Last modified: 2014-12-1.
- HRM 1996b. Musquodoboit Valley/Dutch Settlement Land Use Bylaw. 2014. Retrieved from: <http://www.region.halifax.ns.ca/planning/MusquodoboitValleyDutchSettlementPlanArea.php>. Last modified: 2014-12-1.
- HRM 1996c. Eastern Shore (East) Municipal Planning Strategy. 2006. Retrieved from: <http://www.region.halifax.ns.ca/planning/EasternShoreEastPlanArea.php>. Last modified: 2014-11-24.
- HRM 1996d. Eastern Shore (East) Land Use By-law. 2014. Retrieved from: <http://www.region.halifax.ns.ca/planning/EasternShoreEastPlanArea.php>. Last modified: 2014-11-24.
- Hussain, Q. A., & Pandit, A. K. 2012. Macroinvertebrates in streams: A review of some ecological factors. *International Journal of Fisheries and Aquaculture*, 4(7), 114-123.

- IBA. (Important Bird Areas Canada) (n.d.). Eastern Shore Islands. Retrieved from http://www.ibacanada.ca/site.jsp?siteID=NS027&_sm_au_=iVVD3HHZw214RrD5.
- Innes, R.J. 2013. Fire Effects Information System: *Odocoileus virginianus*. Rocky Mountain Research Station, Forest Service, Fire Sciences Laboratory. U.S. Department of Agriculture.
- Intrinsic (Intrinsic Corp.) 2021. Evaluation of Potential for Aquatic Effects as a Result of Effluent Releases Related to Beaver Dam Mine. Submitted to Atlantic Mining NS.
- Jacques Whitford Limited. 2008. Groundwater Monitoring Plan, Industrial Approval Application, Touquoy Gold Mine, Moose River Gold Mines, Nova Scotia. Prepared for DDV Gold Limited.
- Jacques, Whitford & Associates Ltd., 1986a. Environmental Assessment of Gold Mining Exploration Beaver Dam, Nova Scotia.
- Javed, Muhammad. 2013. Chronic Effects of Nickel and Cobalt on Fish Growth. International Journal of Agriculture and Biology. 15. 575-579.
- Jessop, B.M. 1995a. Justification for, and status of, American eel elver fisheries in Scotia-Fundy Region. DFO Atlantic Fisheries Research Document 95/2.
- Jones, J., and Francis, C. M. 2003. The Effects of Light Characteristics on Avian Mortality at Lighthouses. Journal of Avian Biology, 34(4), 328-333.
- Kalff, J. 2002. Limnology: Inland Water Ecosystems. San Francisco, United States: Pearson Education.
- Keddy, P. A. 2010. Wetland Ecology: Principles and Conservation. New York, New York. Cambridge University Press.
- Kelly, D. 2014. White Sucker. Retrieved from <https://www.lakescientist.com/lake-facts/fish/white-sucker/>
- Keppie, J.D. (compiler). 2000. Geological Map of the Province of Nova Scotia; Nova Scotia Department of Natural Resources, Minerals and Energy Branch, Map ME 2000-1, scale 1:500,000.
- Keys, K., Neily, P., Quigley, E., and Stewart, B. 2001. Forest Ecosystem Classification for Nova Scotia Part III: Ecosites (2010), Nova Scotia Department of Natural Resources, Halifax, Report 2011-2. Retrieved from: <https://www.novascotia.ca/natr/library/forestry/reports/Ecosites.pdf> (Accessed Nov 2016).
- Knight, R., Swaddle, J. 2011. How and Why Environmental Noise Impacts Animals: An Integrative, Mechanistic Review. Ecology Letters. doi: 10.1111/j.1461-0248.2011.01664.x.
- KPMG (KPMG International). 2015. Economic Impact Assessment of Atlantic's Moose River Consolidated Gold Projects in Nova Scotia. 2015. 16 pp.
- Krieger, D. A., J. W. Terrell, and P. C. Nelson. 1983. Habitat Suitability Information: Yellow perch. U.S. Fish Wild. Servo FWS/OBS-83/10.55. 37 pp.

- Lamaroux, N., Olivier, J.M., Capra, H., Zylberblat, M., Chandesris, A., Roger, P. 2006. Fish Community Changes after Minimum Flow Increase: Testing Quantitative Predictions in the Rhone River at Pierre Benite, France. *Freshwater Biology*. 51, 1730-1743. doi:10.1111/j.13652427.2006.01602.x.
- Landbird Species at Risk (Landbird SAR). 2018. Landbird Species at Risk in Forested Wetland. Retrieved from: <http://landbirdsar.merseytobeatric.ca/1492-2/>
- Langille, Chris and O'Bryan, Peter, 2015. Beaver Dam Gold Project, Nova Scotia. Geotechnical Assessment, Open Pit Mining. Report 15007. Peter O'Bryan and Associates May 2015.
- Langley, M.A., & D.H. Pletscher. 1994. Calving Areas of Moose in Northwestern Montana and Southeastern British Columbia. *Alces*, 30, 127-135.
- Lariviere, S. 2001. Mammalian Species: *Ursus americanus*. *American Society of Mammologists*. 647: 1-11.
- Latysh, N and Gordon, J. 2002 Investigation of Differences Between Field and Laboratory pH Measurements Of National Atmospheric Deposition Program/National Trends Network Precipitation Samples, US Geological Survey.
- Lauff, R. F. 2009. First Nest Records of the Boreal Owl *Aegolius funereus* in Nova Scotia, Canada. In: Johnson, D.H., Van Nieuwenhuysse, D. & Duncan, J. R. (eds).
- Leading Edge (Leading Edge Geomatics). 2013. LiDAR of the Touquoy Mine site.
- Lim, K. J., Engel, B. A., Tang, Z., Choi, J., Kim, K., Muthukrishnan, S. and Tripathy, D., 2005: Fully automated web GIS based hydrograph analysis tool, WHAT; *Journal of American Water Resource Association*, v. 41, p. 1407-1416.
- Lin, Chang. L. 1970. Hydrogeology of the Musquodoboit River Valley, Nova Scotia. Retrieved from: Lockwood, Roger N. 2000. Conducting Roving and Access Site Angler Surveys. Chapter 14 in Longcore, Travis, and Catherine Rich. "Ecological Light Pollution." *Frontiers in Ecology and the Environment*, vol. 2, no. 4, 2004, pp. 191-198., doi:10.1890/1540-9295(2004)002[0191:elp]2.0.co;2.
- Longcore, T., and Rich, C. 2004. Ecological Light Pollution. *Frontiers in Ecology and the Environment*. 2: 191-198.
- Lorax Environmental. 2018. Draft Beaver Dam Project Geochemical Source Term Predictions for Waste Rock, Low-Grade Ore, Tailings and Overburden.
- Lundmark, C., & Ball, J. P. 2008. Living in Snowy Environments: Quantifying the Influence of Snow on Moose Behavior. *Arctic, Antarctic, and Alpine Research*, 40(1), 111-118. doi:10.1657/1523-0430(06-103)[LUNDMARK]2.0.CO;2.
- MacDonald, D.D., L.E. Fidler, and D. Valiela. 1987. Site-specific Water Quality Criteria for Fish and Aquatic Life in the Canadian portion of the Flathead River Basin: Nitrate, Nitrite, and Ammonia. Water Quality Branch. Environment Canada. Vancouver, British Columbia. 127 pp.
- MacGregor R., Greig L., Dettmers J., Allen W., Haxton T., Casselman J., and McDermott L. 2011. American Eel in Ontario: Past and Present Abundance, Principles, Approaches, Biological Feasibility and Importance of Recovery. Version 5.1; February 2 Retrieved from: http://files.ontario.ca/environment-and-energy/species-at-risk/mnr_sar_rs_amr_eel_en.pdf (Accessed July 2016).

- Magellan, K., Barral-Fraga, L., Rovira, M., Srean, P., Urrea, G., Garcia-Berthou, E. Guasch, H. 2014. Behavioural and Physical Effects of Arsenic Exposure in Fish are Aggravated by Aquatic Algae. *Aquatic Toxicology*. DOI 10.1016/j.aquatox.2014.08.006.
- Marler, P., Konish, M., Lutjen, A. and Wasre, M.S., 1973. Effects of Continuous Noise on Avian Hearing and Vocal Development. *Proc. Nat. Acad. Sci. USA*. 70(5): 1393-1396. <https://dx.doi.org/10.1073%2Fpnas.70.5.1393>
- MBBA (Maritime Breeding Bird Atlas). 2006. Guide for Atlassers. 1st edition. Accessed at: <https://www.mba-aom.ca/downloads/mbbaguide.pdf>.
- McKean, C.J.P. & Huggins, B.W. 1989. pH Determination and Measurement. British Columbia: Canadian Cataloguing in Publication Data.
- McLaren, B. E., Taylor, S., & Luke, S. H. 2009. How Moose Select Forested Habitat in Gros Morne National Park, Newfoundland. *Alces*, 45.
- McMullin, R. T., Duinker, P. N., Cameron, R. P., Richardson, D. H. S., and Brodo, I. M. 2008. Lichens of Coniferous Old-Growth Forests of Southwestern Nova Scotia, Canada: Diversity and Present Status, *The Bryologist*, 111(4), 620-637.
- McPhail, J. D. and Lindsey, C. C. 1970. Freshwater fishes of Northwestern Canada and Alaska. Bulletin 173., Fisheries Research Board of Canada. Ottawa.
- MECP (Ontario Ministry of Environment, Conservation and Parks).2020a Ontario's Ambient Air Quality7 Criteria (Sorted by Contaminant Name); Standards Development Branch Ontario Ministry of the Environment. <http://www.airqualityontario.com/downloads/AmbientAirQualityCriteria.pdf>
- MECP. 2020b Human Toxicology and Air Standards Section Technical Assessment and Standards Development Branch Ontario Ministry of the Environment, Conservation and Parks, Ambient Air Quality Criteria, May 1, 2020. Accessed from: <https://files.ontario.ca/mecp-ambient-air-quality-criteria-list-en-2020-05-01.pdf>
- MECP. 2018. Air Contaminants Benchmarks (ACB) List: Standards, guidelines and screening levels for assessment point of impingement concentrations of air contaminants". Version 2.0. April 2018.
- MECP. 2016. Air Dispersion Modelling Guideline for Ontario [Guideline A-11]. PIBs #5165e03. July, 2016.
- Memberton. 2020. <https://membertou.ca/wp-content/uploads/2020/11/Letter-to-Community-Transformational-Announcement-CLR-2020.pdf>
- Merendino, M. T., & Ankney, C. D. 1994. Habitat Use by Mallards and American Black Ducks Breeding in Ontario. *The Condor*, 96(2), 411-421.
- Mersey Tobeatic Research Institute. 2008. Species at Risk in Nova Scotia: Identification and Information Guide. Retrieved from <http://www.speciesatrisk.ca/SARGuide/download/SAR%20Guide.pdf>.
- MFC (Moccasin Flower Consulting Inc.). 2019 – Under Confidential Cover. Atlantic Gold Corporation's Proposed Beaver Dam Mine: Traditional Land and Resource Use Study. Prepared for Millbrook First Nation. pp. 71.

- Millbrook First Nation. No Date – Under Confidential Cover. Beaver Dam Community Consultation Report: A community perspective on impacts, alternative harvesting areas and haul roads. Provided to AMNS on June 2, 2021 under confidential cover.
- Montgomery, F., R. Rutherford and E. Halfyard. 2020. Characterizing water chemistry and the distribution of Atlantic Salmon on Nova Scotia's eastern shore based on environmental DNA (eDNA). Nova Scotia Salmon Association. <https://www.asf.ca/assets/files/ns-eastern-shore-eDNA.pdf>
- Mortellaro, S., Krupa, S., Fink, L., VanArman, J. 1995. Literature Review on the Effects of Groundwater Drawdowns on Isolated Wetlands. South Florida Water Management District West Palm Beach, Florida.
- Moseley, M. 2007. Records of Bats (*Chiroptera*) at Caves and Mines in Nova Scotia. Curatorial Report Number 99, Nova Scotia Museum, Halifax: 21 p.
- Murdy, E.O., R.S. Birdsong and J.A. Musick, 1997. Fishes of Chesapeake Bay. Smithsonian Institution Press Washington and London. 324 p.
- Naeth, M. A. and Wilkinson, S. R. (2008). Lichens as Biomonitors of Air Quality around a Diamond Mine, NWT. *J. Env. Quality*. 37:1675-1684
- Nagpal N.K. 1997. Canadian Water Quality Guidelines for Zinc. Water Quality Branch. Environmental Protection Department. British Columbia Ministry of the Environment, Lands and Parks. Victoria, British Columbia.
- NASA (National Aeronautics and Space Administration). 2005. What's the Difference between Weather and Climate? Retrieved on November 9, 2018 from https://www.nasa.gov/mission_pages/noaa-n/climate/climate_weather.html.
- Nash, T.H., Ryan, B.D., Gries, C., Bungartz, F., (eds.) 2002. Lichen Flora of the Greater Sonoran Desert Region. Vol 1.
- National Gypsum. 2015. Retrieved from: www.nationalgypsum.com. (Access February 2017).
- NWWG (National Wetlands Working Group). 1997. The Canadian Wetland Classification System, 2nd Ed. Wetland Research Center, University of Waterloo.
- Neily, P.D., Quigley, E., Benjamin, L., Stewart, B., and Duke, T. 2003. Ecological Land Classification for Nova Scotia, Revised Edition 2005. Report DNR 2005 -. 72 pp.
- Neily, P., Basquill, S., Quigley, E., Stewart, B. and Keys, K. 2001. Forest Ecosystem Classification for Nova Scotia Part I: Vegetation Types (2010), Nova Scotia Department of Natural Resources, Halifax, Report 2011-1. Retrieved from: <http://novascotia.ca/natr/forestry/veg-types/printable.asp> (Accessed Nov 2016).
- Neitlich, P.A., Var Hoef, Jay, M., Berryman, Shanti, D., Mines, Anaka, Geiser, L.H., Hassebach, L.M., & Shiel, A. E. (2017). Trends in Spatial Patterns of Heavy Metal Deposition on National Park Service Lands along the Red Dog Mine Haul Road, Alaska, 2001-20006. *PLoS One*, V.12 (5).
- Neumann, W. 2009. Moose *Alces alces* Behaviour Related to Human Activity. Ph.D. Thesis, Swedish University of Agricultural Sciences, 56 pp.

- New Brunswick Aquatic Resources Data Warehouse, New Brunswick Department of Natural Resources and Energy, & New Brunswick Wildlife Council. (2002, updated 2006). Fisheries Data Collection Forms Manual. Retrieved from http://www.unb.ca/research/institutes/cri/_resources/downloads/nbaquaticdatawarehouse/forms/Fisheriedatacollectionformsmanuamay2006.pdf.
- New Hampshire Fish and Game Department. 2015. Species profiles: Common Nighthawk *Chordeiles minor*. Pages A121- A128 in New Hampshire Wildlife Action Plan. Retrieved from <http://www.wildlife.state.nh.us/wildlife/documents/wap/appendixa-birds.pdf>.
- Newbury, R.W. and M.N. Gaboury. 1993. Stream Analysis and Fish Habitat Design: A Field Manual. Newbury Hydraulics Ltd. and The Manitoba Habitat Heritage Corporation, Winnipeg, Canada. ISBN 0-969-6891-0-1.
- Newcombe C. P. and D. D. Macdonald (1991) Effects of Suspended Sediments on Aquatic Ecosystems, North American Journal of Fisheries Management, 11:1, 72-82, DOI: 10.1577/1548-8675(1991)011<0072:EOSSOA>2.3.CO;2
- Newfoundland and Labrador Department of Environment and Climate Change. (n.d.). White Sucker. Retrieved from http://www.ecc.gov.nl.ca/wildlife/all_species/animals/inland_fish/white_sucker.html.
- Nichols, J. D., Hines, J. E., Sauer, J. R., Fallon, J. E., & Heglund, P. J. 2000. A Double-observer Approach for Estimating Detection and Probability and Abundance from Point Counts. The Auk, 117(2), 393-408.
- NOAA (National Oceanic and Atmospheric Administration). 2018. <https://ruc.noaa.gov/raobs/> Accessed November, 2018.
- NSLF (Nova Scotia Lands and Forestry). 2020. Recovery Plan for Boreal Felt Lichen (*Erioderma pedicellatum*) in Nova Scotia [Final]. Nova Scotia Endangered Species Act Recovery Plan Series.
- NPA 2014: Transport Canada, Navigation Protection Act. 2014. Retrieved from: <http://lawslois.justice.gc.ca/eng/acts/N-22/>. Last modified: 2016-07-15.
- NRCAN (Natural Resources Canada). 2016. Earthquake Zones in Eastern Canada. Retrieved from: <http://www.earthquakescanada.nrcan.gc.ca/zones/eastcan-en.php#NASZ>. Last modified: 2016-02-10.
- NRCAN. 2015. Simplified Seismic Hazard Map for Canada. Retrieved from: <http://www.earthquakescanada.nrcan.gc.ca/hazard-alea/simphaz-en.php>. Last modified: 2016-02-10.
- NSDAF (Nova Scotia Department of Agriculture and Fisheries). 2005. Nova Scotia Trout Management Plan. Retrieved from: <https://novascotia.ca/fish/documents/special-management-areas-reports/NSTroutManplandraft05.pdf>.
- NSDNR (Nova Scotia Department of Natural Resources). 2018. At-Risk-Lichens-Special Management Practices. PP 10. May 23, 2018.
- NSDNR. 2017. Nova Scotia Forest Inventory. Retrieved from: <https://novascotia.ca/natr/forestry/GIS/forest-inventory.asp>. (Accessed Jan 2017).
- NSDNR. 2015. Provincial Landscape Viewer. Retrieved from: <https://nsgi.novascotia.ca/plv/>

- NSDNR. 2014. Reading Room 1: The Story of Glaciers in Maritime Canada. 2014. Retrieved from: <http://novascotia.ca/natr/meb/fieldtrip/glacier.asp>. Last modified: 2014-09-29.
- NSDNR. 2012. Nova Scotia Department of Natural Resources, Endangered Mainland Moose Special Management Practices. Retrieved from: http://novascotia.ca/natr/wildlife/habitats/terrestrial/pdf/SMP_Mainland_Moose.pdf (Accessed November 2017)
- NSDNR. 2012. Nova Scotia's Old Forest Policy. Report FOR 2012-4.
- NSDNR. 2011a. From Strategy to Action, An Action Plan for the Path We Share, A Natural Resource Strategy for Nova Scotia. 2011. Retrieved from: <http://novascotia.ca/natr/strategy/>. Last modified: 2015-04-02.
- NSDNR. 2011b. The Path We Share: A Natural Resource Strategy for Nova Scotia 2011-2020. 2011. Retrieved from: <http://novascotia.ca/natr/strategy/>. Last modified: 2015-04-02.
- NSDNR. 2006a. Compilation of Seabright Resources Inc. Till and Soil Geochemical Data over the Meguma Terrane, Nova Scotia, 1986-1988. Retrieved from: <https://novascotia.ca/natr/meb/download/dp134.asp>.
- NSDNR. 2006b. Till Geochemical Survey over Mainland Nova Scotia, 1977-1982. Retrieved from: <https://novascotia.ca/natr/meb/download/dp138.asp>.
- NSDNR. 2007. Recovery Plan for Moose (*Alces alces Americana*) in Mainland Nova Scotia.
- NSE (Nova Scotia Environment). 2020 Observation Well Results - Active Wells. Last Updated November 3, 2020. Retrieved from <https://novascotia.ca/nse/groundwater/groundwaternetnetworkwells.asp> . Accessed May 2021
- NSE. 2019. Nova Scotia Wetland Conservation Policy. 2019. Retrieved from: <https://novascotia.ca/nse/wetland/docs/Nova.Scotia.Wetland.Conservation.Policy.pdf>.
- NSE. 2017a. Industrial Approval to Operate Touquoy mine site. Approval no: 2012-084244-03. Issued July 17, 2017.
- NSE. 2017b. Wetland Inventory Database. GIS spatial data. Provided by NSE (Charles Sangster).
- NSE. 2015a Guide to Altering Watercourses. Retrieved from: <https://www.novascotia.ca/nse/watercourse-alteration/>. Last modified: 2015-06-10.
- NSE. 2015b. Nova Scotia Watercourse Alterations Standard. Retrieved from: <https://www.novascotia.ca/nse/watercourse-alteration/>. Last modified 2015-06-10.
- NSE. 2015c. Nova Scotia Groundwater Observation Well Network, August 2015. Retrieved from: <https://novascotia.ca/nse/groundwater/groundwaternetnetwork.asp>. Accessed March 2017.
- NSE. 2014a. Nova Scotia Contaminated Sites Regulations, Environmental Quality Standards for Contaminated Sites. Retrieved from: <https://www.novascotia.ca/nse/contaminatedsites/>. Last modified: 2015-08-20.

- NSE. 2014b: Nova Scotia Environment, Nova Scotia Contaminated Sites Regulations, Environmental Quality Standards for Contaminated Sites. 2014. Retrieved from: <https://www.novascotia.ca/nse/contaminatedsites/>. Last modified: 2015-08-20.
- NSE. 2013a. Remediation Levels Protocol. Table 3, Pathway Specific Standards for Groundwater.
- NSE. 2013b. Environmental Quality Standards (NSEQS) for Contaminated Sites (Tier 1) for Groundwater, Surface Water (fresh water), Soils and Sediment. Revised July 6, 2013.
- NSE. 2011a. Guide to Consider Climate Change in Project Development in Nova Scotia. Retrieved from: <https://www.novascotia.ca/nse/ea/pubs.asp>. Last modified: 2014-03-31.
- NSE. 2011b. Nova Scotia Wetland Conservation Policy. Retrieved from: <https://www.novascotia.ca/nse/wetland/conservation.policy.asp>. Last modified: 2014-03-31.
- NSE. 2011c. Guide to Considering Climate Change in Environmental Assessment in Nova Scotia. Retrieved from: <https://www.novascotia.ca/nse/ea/pubs.asp>. Last modified: 2014-03-31.
- NSE. 2011d. Indicator Plant List. Retrieved from: <https://novascotia.ca/nse/wetland/indicator.plant.list.asp>.
- NSE. 2011e. Nova Scotia Wetland Evolution Technique (NovaWET) – Version 3.0. Retrieved from: <https://novascotia.ca/nse/wetland/assessing.wetland.function.asp>
- NSE. 2010. Water for Life: Nova Scotia's Water Resource Management Strategy. Retrieved from: <https://www.novascotia.ca/nse/water.strategy/>. Last modified: 2014-03-31.
- NSE. 2009a. Guide to Addressing Wildlife Species and Habitat in an EA Registration Document. Retrieved from: <http://www.novascotia.ca/nse/ea/docs/EA.GuideAddressingWildSpecies.pdf>.
- NSE. 2009b. Toward a Greener Future: Nova Scotia's Climate Change Action Plan. 2009. Retrieved from: <https://climatechange.novascotia.ca/>.
- NSE. 2020 Observation Well Results - Active Wells. Last Updated November 3, 2020. Retrieved from <https://novascotia.ca/nse/groundwater/groundwaternetnetworkwells.asp> . Accessed May 2021
- NSE. 2005. Guide to Addressing Wildlife Species and Habitat in an EA Registration Document. Retrieved from: <https://www.novascotia.ca/nse/ea/pubs.asp>. Last modified: 2014-03-31.
- NSE. 2002a. Storm Drainage Works Approval Policy. 2009. Retrieved from: <https://www.novascotia.ca/nse/dept/docs.policy/Policy-Storm.Drainage.Works.Approval.pdf>.
- NSE. 2002b. Guide to Preparing an EA Registration Document for Mining Developments in Nova Scotia. 2009. Retrieved from: <https://www.novascotia.ca/nse/ea/pubs.asp>. Last modified: 2014-03-31.
- NSE. 2001. A Proponent's Guide to Environmental Assessment. 2014. Retrieved from: <https://www.novascotia.ca/nse/ea/pubs.asp>. Last modified: 2014-03-31.

- NSE. 1990. Guidelines for Environmental Noise Measurement and Assessment. 2005. Retrieved from: <https://2rvpwt3v9gg32uh9vv1lr27s-wpengine.netdna-ssl.com/wp-content/uploads/2021/01/EnvironmentalNoiseMeasurement.pdf>
- NSE. 1988. Erosion and Sediment Control Handbook for Construction Sites. 1988. Retrieved from: <http://www.novascotia.ca/nse/surface.water/guidelines.asp>. Last modified: 2014-03-31.
- NSFA (Nova Scotia Fisheries and Aquaculture). 2016. Nova Scotia Freshwater Fish Species Distribution Records. Open Data Nova Scotia.
- NSFTB (Nova Scotia Finance and Treasury Board) 2016. Current Economic Environment and Outlook – Nova Scotia, April 21 2016. Retrieved from: http://www.novascotia.ca/finance/statistics/topic_news.asp?id=11779&fto=22v&rdval=2016-04 Last modified 2016-04.
- NSLC Adopt a Stream. 2017. <http://www.adoptastream.ca/groups-and-projects/west-river-sheet-Hrb>
- NSOAA (Nova Scotia Office of Aboriginal Affairs) 2009. Proponents' Guide: The Role of Proponents in Crown Consultation with the Mi'kmaq of Nova Scotia. 2012. Retrieved from: <http://novascotia.ca/abor/office/what-we-do/consultation/>. Last modified: 2015-06-01.
- NSSA (Nova Scotia Salmon Association) (n.d.). Adopt-a-Stream, Section 6: Fish Facts. Retrieved from: http://manual.adoptastream.ca/sec6_3.html#7. Accessed March 2017.
- NSSA. 2005a. Adopt-a-stream: A Watershed Approach to Community-based Stewardship of the Environment. Retrieved from: <http://manual.adoptastream.ca>.
- NSSA. 2005b. Adopt a Stream Manual. Section 6: Fish Facts. Retrieved from: http://manual.adoptastream.ca/sec6_3.html.
- NSTIR (Nova Scotia Department of Transportation and Infrastructure Renewal) 2007. Generic Environmental Protection Plan for Construction of 100 Series Highways. 2007. Retrieved from: https://novascotia.ca/tran/works/enviroservices/EPP100series/Generic%20EPP_July%202007.pdf. Last modified: 2007-07-01.
- NSTIR 1997. Nova Scotia Standard Specifications: Highway Construction and Maintenance. 2014. Retrieved from: <https://novascotia.ca/tran/publications/standard.pdf>. Last modified: 2014-02-01.
- Odonata Central. (n.d.). Odonata Central. Retrieved from <https://www.odonatacentral.org/#/>
- OMOE (Ontario Ministry of the Environment) 2003. Stormwater Management Planning and Design Manual. Retrieved from: <https://www.ontario.ca/document/stormwater-management-planningand-design-manual>. Last modified: 2014-09-23.
- Ontario Freshwater Fishes Life History Database. (n.d.). Eastern Blacknose Dace. Retrieved from https://www.ontariofishes.ca/fish_detail.php?FID=69
- Open Data Nova Scotia. 2016. Old Forest – 2006. Retrieved from: <https://data.novascotia.ca/Lands-Forests-and-Wildlife/Old-Forest-2006/wanf-acts/about>.

- Ortega, Y., and Capen, D.E. 2002. Roads as edges: Effects on birds in forested landscapes. *Forest Science*, 48(2), 381.
- Osko, T. J., Hiltz, M. N., Hudson, R. J., and Wasel, S. M. (2004). Moose habitat preferences in response to changing availability. *Journal of Wildlife Management*, 68(3), 576-584. doi: 10.2193/0022-541X(2004)068[0576:MHPIRT]2.0.CO;2Ottawa, Canada. Pages 1–18.
- Page, L.M. and Burr, B.M. 2011. *Peterson Field Guide to Freshwater Fishes of North America North of Mexico*. Second Edition.
- Parker, G. 2003. Status Report on the Eastern Moose (*Alces alces americana Clinton*) in Mainland Nova Scotia. Retrieved from: <https://novascotia.ca/natr/wildlife/biodiversity/pdf/statusreports/StatusReportMooseNSComplete.pdf>
- Parkhurst, D. L., & Appelo, C. A. J. (1999). User's Guide to PHREEQC (Version 2): A Computer Program for Speciation, Batch-reaction, One-dimensional Transport, and Inverse Geochemical Calculations.
- Patthey, P., S. Wirthner, N. Signorell, R. Arlettaz et al. 2008. Impact of Outdoor Winter Sports on the Abundance of a Key Indicator Species of Alpine Ecosystems. *J. Appl. Ecol.* 10, 2–8.
- Pauwels, J. 2018. Light pollution & biodiversity: What are the levers of action to limit the impact of artificial lighting on nocturnal fauna?. PhD Thesis. Biodiversity and Ecology. Museum national d'histoire naturelle - MNHN PARIS, 2018. English.
- Peek, J. M., Ulrich, D. L., & Mackie, R. J. (1976). Moose Habitat Selection and Relationships to Forest Management in Northeastern Minnesota. *Wildlife Monographs*, 48, 3-65.
- Peter Clifton & Associates. 2007. Hydrogeological Investigations and Assessment, Touquoy Gold Project, Nova Scotia. Consultant Report 0506_R02. Prepared for Atlantic Gold NL.
- Peter Clifton and Associates 2015: Peter Clifton and Associates, Assessment of Potential Open Pit Groundwater Inflows, Beaver Dam Gold Project, Nova Scotia.
- Phillips, R. L., Berg, W. E., & Siniff, D. B. 1973. Moose Movement Patterns and Range Use in Northwestern Minnesota. *The Journal of Wildlife Management*, 37(3), 266-278.
- Pietz, P. J., & Tester, J. R. 1982. Habitat Selection by Sympatric Spruce and Ruffed Grouse in North Central Minnesota. *The Journal of Wildlife Management*, 46(2), 391-403.
- Port of Sheet Harbour. 2017. [Online] Retrieved from: <http://portofsheetharbour.ca/> (Accessed February 3 rd 2017)
- Prescott, W.H. 1968. A study of winter concentration areas and food habits of moose in Nova Scotia. MSc thesis, Acadia University, Wolfville, Nova Scotia.
- Price, J.S., Branfireun, B.A., Waddington, M.J. and Devito, K. 2005. Advances in Canadian wetland hydrology, 1999-2003. *Hydrological Processes*. 19(1): 201-214.
- Price, W. A. 2009. Prediction Manual for Drainage Chemistry from Sulphidic Geologic Materials. MEND Report 1.20.1, 579. Proc. Fourth World Owl Conf. Oct–Nov 2007, Groningen, The Netherlands.

- Province of Nova Scotia. 2018. Nova Scotia Topographic Database the Nova Scotia Hydrographic Network (Water Features), Geo Nova. <https://geonova.novascotia.ca/base-mapping>
- Pyne, R. David G., (1994) Groundwater and Recharge Well: A Guide to Aquifer Storage Recovery. Lewis Publishers
- Quinn, R.D. 1990. Habitat Preferences and Distribution of Mammals in California Chaparral. Res. Paper PSW-202. Berkeley, CA: Pacific Southwest Research Station, Forest Service. U.S. Department of Agriculture. 11 p
- R. W. Lichvar, C. V. Noble, and J. F. Berkowitz. ERDC/EL TR-12-1. Vicksburg, MS: U.S. Army Engineer Research and Development Center.
- Raleigh, R. F. 1982. Habitat suitability index models: Brook trout. U.S. Dept. Int., Fish Wildl. Servo FWS/OBS-82/10.24. 42 pp.
- RBC (Royal Bank of Canada) 2016. Provincial Outlook – Nova Scotia p.9, December 2016. Retrieved from http://www.rbc.com/newsroom/_assets-custom/pdf/20161216-provfcst.pdf#page=9 Reed
- Reed, A., & G. Moisan. 1971. The Spartina Tidal Marshes of The St. Lawrence Estuary and Their Importance to Aquatic Birds. *Naturaliste Can.* 98: 905-922.
- Reid, S. M., Yunker, G. & Jones, N. E. (2009). Evaluation of Single-Pass Backpack Electric Fishing for Stream Fish Community Monitoring. *Fisheries Management and Ecology*, 16(1), 1-9. doi:10.1111/j.1365-2400.2008.00608.x
- Resource Capital Gold Corp. 2017. Retrieved from: <http://www.rcgcorp.ca/projects/tangier>. (Accessed February 2017).
- Rheault, H., Drapeau, P., Bergeron, Y., & Esseen, P.-A. (2002). Edge Effects on Epiphytic lichens in Managed Black Spruce Forests of Eastern North America. NRC Canada.
- Richardson, L.R. 1939. The spawning behaviour of *Fundulus diaphanus* (Lesuer). *Copeia*. 1939(3): 165-167.
- Roland, A. E. 1998. Roland's Flora of Nova Scotia (Vols 1-2). Nova Scotia: Nova Scotia Museum and Nimbus Publishing.
- Saskatchewan Ministry of Environment. 2015. Common Nighthawk Survey Protocol. Fish and Wildlife Branch Technical Report No. 2015-15.0. 3211 Albert Street, Regina Saskatchewan. 7 pp.
- Schirmer et al. 2019. Mapping behaviorally relevant light pollution levels to improve urban habitat planning. *Scientific Reports. Nature*. 9:11925.
- Schneider, James C. (ed.) 2000. Manual of Fisheries Survey Methods II: With Periodic Seymour, N. R. (1984). Activity of Black Ducks Nesting Along Streams in Northeastern Nova Scotia. *Wildfowl* 35,143-150.
- Schroer, S. and Hölker, F. 2016. Impact of lighting on flora and fauna. *Handbook of Advanced Lighting Technology*. pp 1-33.
- Scott W.B., Crossman, E.J. 1985. *Freshwater Fishes of Canada*. Ottawa. 515 – 517 pp.
- Shank, C. C., 1979. Human-Related Behavioural Disturbance to Northern Large Mammals: A Bibliography and Review. Report prepared for Foothills Pipe Lines (South Yukon) Ltd., Calgary.

- Shannon, G., McKenna, F., Angeloni, L., Crooks, K., Fistrup, K., Brown, E., Warner, K., Nelson, M., White, C., Briggs, J., McFarland, S., Wittermyer, G. 2016. A Synthesis of Two Decades of Research Documenting the Effects of Noise on Wildlife. *Biological Reviews*. Volume 91, Issue 4. <https://doi.org/10.1111/brv.12207>.
- Siegela, D. I. 1988. The Recharge-Discharge Function of Wetlands near Juneau, Alaska: Part I. Hydrogeological Investigations. *Groundwater*, 26(4), 427-434. doi:10.1111/j.17456584.1988.tb00408.x.
- Smith P. K. and Kontak D. J. 1996: Gold Deposits in the Meguma Group of Nova Scotia. Department of Natural Resources, Minerals and Energy Branch, Information Circular 51.
- Snaith, T. V., and Beazley, K. F. 2004. The Distribution, Status, and Habitat Associations of Moose in Mainland Nova Scotia. *Proceedings of the Nova Scotian Institute of Science*, 42(2), 263-317.
- Snaith, T. V., Beazley, K. F., MacKinnon, F., & Duinker, P. 2002. Preliminary Habitat Suitability Analysis for Moose in Mainland Nova Scotia, Canada. *Alces*, 38.
- Sooley, D. R., Luiker, E. A., Barnes, M. A., & Canada. 1998. Standard Methods Guide for Freshwater Fish and Fish Habitat Surveys in Newfoundland and Labrador: Rivers & Streams. St. John's NL: Department of Fisheries and Oceans, Science Branch.
- Stantec. (Stantec Consulting Ltd.) 2021. Beaver Dam Gold Project Assimilative Capacity Study of Moose River – Touquoy Pit Discharge. Draft Report. File: 121619250. March 11, 2021.
- Stantec 2019. Touquoy Gold Project Groundwater Contingency Plan Revision 1.2. Prepared for Atlantic Gold Corporation.
- Stantec Consulting Ltd. (Stantec). 2018a. Physical Characteristics of Tailings at the Touquoy Gold Mine. Moose River, Nova Scotia. October 18, 2018.
- Stantec 2018b. 2017 Annual Report – Surface Water & Groundwater Monitoring. Prepare for Atlantic Gold Corporation April 20, 2018.
- Stantec. 2018c. Touquoy Mine: 2017 Baseline Aquatic Environment Technical Report. December 18, 2018.
- Stantec. 2018d. Touquoy Integrated Water and Tailings Management Plan – Beaver Dam Gold Project Rev. 1.
- Stantec. 2018e. Groundwater Flow and Solute Transport Modelling to Evaluate Disposal of Beaver Dam Tailings in Touquoy Open Pit – Beaver Dam Gold Project.
- Stantec 2018f. Assimilative Capacity of Moose River - Touquoy Open Pit Discharge.
- Stantec 2018g. E-mail communication with Jonathan Keizer on October 16, 2018.
- Stantec 2017a. Water Management Plan, Touquoy Gold Project. Prepared for Atlantic Mining NS Corp.
- Stantec 2017b. Reclamation Plan Rev. 1, Touquoy Gold Project. Prepared for Atlantic Gold Corp. Rev. 1

- Stantec 2016a. Water Balance Report Revision 2.0. Atlantic Gold Tailings Management Facility. Fredericton, NB. November 25, 2016. Prepared for Atlantic Gold Corp.
- Stasiak, R. 2006. Lake Chub (*Couesius plumbeus*): a technical conservation assessment. [Online]. USDA Forest Service, Rocky Mountain Region. Retrieved from: <http://www.fs.fed.us/r2/projects/scp/assessments/lakechub.pdf>.
- Statistics Canada. 2017a: Sheet Harbour 36, IRI [Census subdivision], Nova Scotia and Halifax, CTY [Census division], Nova Scotia (table). Census Profile. 2016 Census. Statistics Canada Catalogue no. 98-316-X2016001. Ottawa. Released February 8, 2017. <http://www12.statcan.gc.ca/census-recensement/2016/dp-pd/prof/index.cfm?Lang=E> (accessed March 2017).
- Statistics Canada, 2017b: Beaver Lake 17, IRI [Census subdivision], Nova Scotia and Nova Scotia [Province] (table). Census Profile. 2016 Census. Statistics Canada Catalogue no. 98-316X2016001. Ottawa. Released February 8, 2017. <http://www12.statcan.gc.ca/censusrecensement/2016/dp-pd/prof/index.cfm?Lang=E> (Accessed March 2017).
- Stea, R., and T. Fowler, 1979. Minor and Trace Element Variations in Winconsinan Tills, Eastern Shore Region, Nova Scotia, NSDME Paper No. 79-4.
- Stea, R.R., Conley, H., and Brown, Y. 1992. Surficial Geology of the Province of Nova Scotia. Map 92-3, 1:500,000 scale. Nova Scotia Department of Natural Resources.
- Stewart, R. L. M., K. A. Bredin, A. R. Couturier, A. G. Horn, D. Lepage, S. Makepeace, P. D. Taylor, M.-A. Villard, and R. M. Whittam (eds). 2015. Second Atlas of Breeding Birds of the Maritime Provinces. Bird Studies Canada, Environment Canada, Natural History Society of Prince Edward Island, Nature New Brunswick, New Brunswick Department of Natural Resources, Nova Scotia Bird Society, Nova Scotia Department of Natural Resources, and Prince Edward Island Department of Agriculture and Forestry, Sackville, 528 + 28 pp.
- Stubblefield, W., Van Genderen, E., Cardwell, A.S., Heijerick, D.G., Janssen, C.R., & De Schampelaere, K. 2020. Acute and Chronic Toxicity of Cobalt to Freshwater Organisms: Using a Species Sensitivity Distribution Approach to Establish International Water Quality Standards. Abstract. Environmental Toxicology and Chemistry. 06 January, 2020.
- Sweeney, B. W., & Schnack, J. A. 1977. Egg Development, Growth, And Metabolism of *Sigara alternata* (Say) (Hemiptera: Corixidae) in Fluctuating Thermal Environments. Ecology, 58(2), 265-277.
- T. L. Esslinger 2007: A Synopsis of the North America species of Anaptychia (*Physciaceae*). - The Bryologist 110(4): 788-797.
- Takats, D. L., C. M. Francis, G. L. Holroyd, J. R. Duncan, K. M. Mazur, R. J. Cannings, W. Harris, D. Holt. 2001. Guidelines for Nocturnal Owl Monitoring in North America. Beaverhill Bird Observatory and Bird Studies Canada, Edmonton, Alberta. 32 pp.
- Taylor Lumber. 2017. [Online] Retrieved from: <http://www.taylorlumber.ca> (Accessed February 3rd 2017)
- Taylor, M., Cooke, S. 2012. Meta-Analyses of The Effects of River Flow on Fish Movement and Activity. Environmental Reviews. Vol 20, 211-219. doi:10.1139/A2012-009.
- Telfer, E. S. 1967a. Comparison of Moose and Deer Range in Nova Scotia. Journal of Wildlife Management, 31, 418-425.

- Telfer, E. S. 1967b. Comparison of A Deer Yard and A Moose Yard in Nova Scotia. *Canadian Journal of Zoology* 45, 485-490.
- Thomsen, A. G., & Friberg, N. 2002. Growth and emergence of the stonefly *Leuctra nigra* in coniferous forest streams with contrasting pH. *Freshwater Biology*, 47(6), 1159-1172.
- Timmermann, H.R. and McNicol, J.G. 1988. Moose Habitat Needs. *Forestry Chronical*. Ontario Ministry of Natural Resources.
- Tiner, R. 2005. *In Search of Swampland, A Wetland Sourcebook and Field Guide*. Second Ed. Rutgers University Press, New Brunswick, New Jersey, and London.
- Tomie, J.P.N. 2011. The ecology and behaviour of substrate occupancy by the American eel. MSc thesis, University of New Brunswick. 98 pp.
- Tubis, A., S. Werbifnska-Wojciechowska and A. Wroblewski. 2020. Risk Assessment Methods in Mining Industry – A Systeematic Review. *Appl. Sci.* 2020, 10, 5172. 34 pp.
- Twomey, K. A., K. L. Williamson, and P. C. Nelson. 1984. Habitat Suitability Index Models and Instream Flow Suitability Curves: White sucker. *U.S. Fish Wildl. Serv. FWS/OBS-82/10.64*. 56 pp.
- Underhill, J.E., and Angold, P.G. 2000. Effects of Roads on Wildlife in an Intensively Modified Landscape. *Environ. Rev.* 8:21-39.
- United Nations. 2014. Framework Convention on Climate Change, National Inventory Submissions 2016. Retrieved from: http://unfccc.int/national_reports/annex_i_ghg_inventories/national_inventories_submissions/items/9492.php (Accessed January 2017)
- United States Army Corps of Engineers. 2011. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (Version 2.0), ed. J. S. Wakeley, R. W. Lichvar, C. V. Noble, and J. F. Berkowitz. ERDC/EL TR-12-1. Vicksburg, MS: U.S. Army Engineer Research and Development Center.
- United States Army Corps of Engineers. 2009. Interim Regional Supplement to Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region. ERDC/EL TR-09-19, October 2009.2.
- United States Department of Agriculture & Natural Resources Conservation Service, Soil Survey Staff. 2003. *Keys to Soil Taxonomy* (9 th Ed.). Retrieved from https://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051544.pdf
- US EPA 2011. 40 CFR Appendix B to Part 50 Reference Method for the Determination of Suspended Particulate Matter in the Atmosphere (HighVolume Method).
- US EPA 2005. Human Health Risk Assessment Protocol for Hazardous Waste Combustion Facilities, Chapter 5, Estimating Media Concentrations, Office of Solid Waste and Emergency Response, EPA530-R-05-006, September.
- US EPA 2003. AERMOD: Latest Features and Evaluation Results. June, 2003. updates. Michigan Department of Natural Resources, Fisheries Special Report 25, Ann Arbor.
- Van Ballenberghe, V., & Peek, J. M. 1971. Radiotelemetry Studies of Moose in Northeastern Minnesota. *The Journal of Wildlife Management*, 35(1), 63-71.

- Vannote, R. L., & Sweeney, B. W. 1980. Geographic Analysis of Thermal Equilibria: A Conceptual Model for Evaluating the Effect of Natural and Modified Thermal Regimes on Aquatic Insect Communities. *American Naturalist*, 115(5), 667-695.
- W. Richards Climate Consulting. 2011. Halifax Regional Municipality, NS – Climate Change and Sea-Level Rise Scenario Data. Retrieved from <https://climatechange.novascotia.ca/sites/default/files/uploads/HRM-climate-data.pdf>
- Wang, S., Yang, Y., Luo, Y., Rivera, A., (2013). Spatial and seasonal variations in evapotranspiration over Canada's landmass. *Journal of Hydrology and Earth System Sciences*, 17: 3561-3575.
- Ware, H., McClure, C., Carlisle, J., Barber., J. 2015. A Phantom Road Experiment Reveals Traffic Noise Is an Invisible Source of Habitat Degradation. *PNAS*. 112 (39). 12105-12109. <https://doi.org/10.1073/pnas.1504710112>
- Weber-Scannell, P. K., & Duffy, L. K. 2007. Effects of Total Dissolved Solids on Aquatic Organisms: A Review of Literature and Recommendation for Salmonid Species. *American Journal of Environmental Sciences*, 3(1), 1-6.
- Wels, C., D.Mackie, and J.Scibek, 2012. Guidelines for Groundwater Modelling to Assess Impacts of Proposed Natural Resource Development Activities, British Columbia Ministry of the Environment, Water Protection & Sustainability Branch, April. Available at: http://www.env.gov.bc.ca/wsd/plan_protect_sustain/groundwater/groundwater_modelling_guidelines_final-2012.pdf
- White, C.E., and Barr, S.M. 2010. Lithochemistry of the Lower Paleozoic Goldenville and Halifax Groups, southwestern Nova Scotia, Canada: Implications for stratigraphy, provenance, and tectonic setting of Meguma, in Tollo, R.P., Bartholomew, M.J., Hibbard, J.P., and Karabinos, P.M., eds., *From Rodinia to Pangea: The Lithotectonic Record of the Appalachian Region*: Geological Society of America Memoir 206, p. 347–366.
- White, C.E. and Barr, S.M. 2004. Age and petrochemistry of mafic sills on the northwestern margin of the Meguma terrane in the Bear River - Yarmouth area of southwestern Nova Scotia. In *Mineral Resources Branch, Report of Activities 2003*. Edited by D.R. MacDonald. Nova Scotia Department of Natural Resources, Report 2004-1, p. 97–117.
- Wilton, M. L. & D. L. Garner. 1991. Preliminary Findings Regarding Elevation as a Major Factor in Moose Calving Site Selection in South Central Ontario, Canada. *Alces*, 27 111–117.
- With, K. A., & Crist, T. O. 1995. Critical Thresholds in Species' Responses to Landscape Structure. *Ecology*, 76(8), 2446-2459. doi:10.2307/2265819.
- Wright, D.G., and G.E. Hopky. 1998. Guidelines for the Use of Explosives in or Near Canadian Fisheries Waters. *Can. Tech. Rep. Fish. Aquat. Sci.* 2107: iv + 34p.
- Yuan, L. L. 2004. Assigning Macroinvertebrate Tolerance Classifications Using Generalized Additive Models. *Freshwater Biology*, 49(5), 662-677.