

APPENDIX: Additional sources suggested for RA literature reviews

Important explanatory notes:

- With the exception of the first and last sections, which include sources that speak to multiple topics, we have organized the sources below into the topics represented by the five summary literature review documents previously circulated for comment by the RA Committee.
- The titles of documents appear in **bold type** in facilitate faster use/integration of the sources.
- While hyperlinks are provided where possible, please note that some are to for-pay sources.
- This Appendix is provided in Word format for convenience of the RA Committee and staff.

I. NunatuKavut Community Council Resources on various relevant topics

Caveat: The sources here represent only certain sources of information that have been produced in written form. NCC reserves the right to convey Indigenous Knowledge (IK) that may be useful in the current RA, after it has completed an internal evaluation and determined how such IK, particularly that in oral form, might best be transmitted to the Committee. As NCC and other Indigenous groups have previously expressed, IK is often conveyed in oral form.

NCC, 2019, **Resource Stewardship Workshop Feb 5-6, 2019, Summary Report, Self-Management of NunatuKavut Resources** (copy to be provided once it is posted online for the communities, possibly sooner).

NCC, 2018, **NunatuKavut Calls for Suspension of Commercial Capelin Fishery** (Press Release, March 19, 2018), https://nunatukavut.ca/site/uploads/2019/05/ncc_statement-commercial_capelin_fishery-april_2019_f-1.pdf

NCC, 2016, **A Submission to the Minister's Advisory Panel on LIFO** (The NunatuKavut Case for Fairness and Meaningful Participation in the Northern Shrimp Fishery) June 3, 2016, [https://www.dfo-mpo.gc.ca/fisheries-peches/consultation/shrimp-crevette/pdf/NCC%20Submission%20to%20MAP%20on%20LIFO%20June%203%202016%20\(F\).pdf](https://www.dfo-mpo.gc.ca/fisheries-peches/consultation/shrimp-crevette/pdf/NCC%20Submission%20to%20MAP%20on%20LIFO%20June%203%202016%20(F).pdf)

NCC, 2019, **Spring Bird/Egg Harvest and Conservation Guidelines**, <https://nunatukavut.ca/site/uploads/2019/06/ncc-spring-bird-hunt-guidelines-2019-final.pdf>

NCC, 2019, IK contributed to the Labrador Shelf Offshore Area Strategic Environment Assessment Update -- currently in draft form and being submitted to the consultant working on behalf of the C-NLOPB.

II. Additional Sources for Module 7: Marine Fish and Fish Habitat

Canadian Science Advisory Secretariat, Newfoundland and Labrador Region, Science Response 2018/026, April 2018, **Review of the Environmental Impact Statements for the Flemish Pass Exploration Drilling Project and the Eastern Newfoundland Offshore Exploration Drilling**

Project, <https://waves-vagues.dfo-mpo.gc.ca/Library/4068958x.pdf>. For salmon issue, see in particular the comments of the Secretariat at page 3 on gaps in knowledge about salmon migration patterns, as well as page 6 on knowledge gaps on ocean currents.

Friedland KD, Moore D, Hogan F. 2009b. **Retrospective growth analysis of Atlantic salmon (*Salmo salar*) from the Miramichi River, Canada**. Canadian Journal of Fisheries and Aquatic Sciences 66: 1294–1308, <https://www.nrcresearchpress.com/doi/full/10.1139/f09-077?mobileUi=0#.XdJfKdV7IPY>.

Government of Canada, **Wild Atlantic Salmon Conservation Policy**, <https://www.dfo-mpo.gc.ca/reports-rapports/regs/wildsalmon-atl-saumonsauvage-eng.htm> (NCC participated in the development of this policy).

Government of Canada, **Wild Atlantic salmon conservation: Implementation plan 2019 to 2021**, <https://www.dfo-mpo.gc.ca/reports-rapports/regs/wildsalmon-conservation-saumonsauvage-eng.htm>, (NCC participated in the development of this plan).

ICES. 2019. **Working Group on North Atlantic Salmon (WGNAS)**, ICES Scientific Reports. 1:16, https://www.ices.dk/sites/pub/Publication%20Reports/Expert%20Group%20Report/Fisheries%20Resources%20Steering%20Group/2019/WGNAS/WGNAS_2019.pdf. (This is a report of the International Council for the Exploration of the Sea, which contains updated data on declines in salmon returns to rivers in many areas of the world)

Mills KE, Pershing AJ, Sheehan TF, Mountain D. 2013. **Climate and ecosystem linkages explain widespread declines in North American Atlantic salmon populations**. Global Change Biology 19: 3046-3061, <https://onlinelibrary.wiley.com/doi/abs/10.1111/gcb.12298>.

Soto DX, Trueman CN, Samways KM, Dadswell MJ, Cunjak RA (2018). **Ocean warming cannot explain synchronous declines in North American Atlantic salmon populations**. Mar Ecol Prog Ser 601:203-213. <https://doi.org/10.3354/meps12674>.

Taboada FG, Anadon R. 2012. **Patterns of change in sea surface temperature in the North Atlantic during the last three decades: beyond mean trends**. Climatic Change 115: 419–431, <https://link.springer.com/article/10.1007%2Fs10584-012-0485-6>.

Thorstad EB, Whoriskey FG, Rikardsen AH, Aarestrup K. 2011. **Aquatic nomads: the life and migrations of the Atlantic salmon**. In: **Atlantic Salmon Ecology** (eds Aas Ø, Einum S, Klemetsen A, Skurdal J), pp. 1–32. Wiley-Blackwell, Oxford, <https://onlinelibrary.wiley.com/doi/10.1002/9781444327755.ch1>.

WWF-Canada (2018) **WWF-Canada - Fisheries and Oceans Canada Joint Capelin Workshop**, June 22-23rd 2017 St. John's, Newfoundland, http://d2akr19rvxl3z3.cloudfront.net/downloads/report_joint_wwf_dfo_capelin_workshop_final.pdf.

Important ESRF Atlantic salmon study in progress: There is an ESRF study currently underway on Atlantic salmon migration that are found along the coasts and rivers in Newfoundland and Labrador. NCC believes this study will provide important data that may be relevant to the issue of salmon migration paths in the study area. Contact Martha Robertson at DFO for more information on this study.

III. Additional Sources for Module 8: Marine and Migratory Birds

Eiders

Canadian Wildlife Federation, [Hinterland Who's Who series] **Common Eider** (undated, possibly updated in 2013), <http://www.hww.ca/assets/pdfs/factsheets/common-eider-en.pdf>.

Heather Chaffey, William Montevecchi, Barbara Neis, **Integrating Scientific and Local Ecological Knowledge (LEK) In Studies Of Common Eiders In Southern Labrador**, Canada Memorial University of Newfoundland, 2003, <https://pdfs.semanticscholar.org/e010/4278c25adb5cd5c8531dde75b7cfab831ee4.pdf>.

Chaulk, K. et al, "Evidence of Recent Population Increases in Common Eiders Breeding in Labrador." *The Journal of Wildlife Management*. Vol. 69, No. 2 (Apr., 2005), pp. 805-809.

Goudie, R. I., G. J. Robertson, A. Reed (2000). **Common Eider** (*Somateria mollissima*), version 2.0. In *The Birds of North America* (A. F. Poole and F. B. Gill, Editors). Cornell Lab of Ornithology, Ithaca, NY, USA. <https://doi.org/10.2173/bna.546>

Turrs (Murre)

Ainley, D. G., D. N. Nettleship, H. R. Carter, A. E. Storey (2002). **Common Murre** (*Uria aalge*), version 2.0. In **The Birds of North America** (A. F. Poole and F. B. Gill, Editors). Cornell Lab of Ornithology, Ithaca, NY, USA. <https://doi.org/10.2173/bna.666>

Canadian Wildlife Federation, [Hinterland Who's Who series] **Murres** (undated, possibly updated in 2013), <http://www.hww.ca/assets/pdfs/factsheets/murres-en.pdf> (see especially for ranges of both Common and Thick-billed Murres into open ocean).

Gaston, A. J. and J. M. Hipfner (2000). **Thick-billed Murre** (*Uria lomvia*), version 2.0. In *The Birds of North America* (A. F. Poole and F. B. Gill, Editors). Cornell Lab of Ornithology, Ithaca, NY, USA. <https://doi.org/10.2173/bna.497>.

General marine birds

Ellis, J. I., S. I. Wilhelm, A. Hedd, G. S. Fraser, G. J. Robertson, J.-F. Rail, M. Fowler, and K. H. Morgan. 2013. **Mortality of migratory birds from marine commercial fisheries and offshore oil and gas production in Canada**. *Avian Conservation and Ecology* 8(2): 4, <http://dx.doi.org/10.5751/ACE-00589-080204>.

D. A. Fifield, A. Hedd, G. J. Robertson, S. Avery-Gomm, C. Gjerdrum, L. A. McFarlane Tranquilla, S. J. Duffy. 2016. **Baseline Surveys for Seabirds in the Labrador Sea (201-08S)**. Environmental Studies Research Funds Report No. 206. St. John's. 69 pp.,
<https://www.esrfunds.org/sites/www.esrfunds.org/files/publications/ESRF206-DA-Fifield-A-Hedd-et-al.pdf>.

D. A. Fifield, S. Avery-Gomm, L. A. McFarlane Tranquilla, P.C. Ryan, C. Gjerdrum, A. Hedd, M.G. Fitzsimmons, G. J. Robertson. 2017. **Effectiveness of Observers in Visually Detecting Dead Seabirds on the Open Ocean (2010-21S)**. Environmental Studies Research Funds Report No. 205. St. John's. 97 pp.,
<https://www.esrfunds.org/sites/www.esrfunds.org/files/publications/ESRF205-DA-Fifield-S-Avery-Gomm.pdf>.

Fifield, D.A., K.D. Baker, R.Byrne, G.J. Robertson, C. Burke, H.G. Gilchrist, A. Hedd, M.L. Mallory, L. McFarlane Tranquilla, P.M. Regular, A. Smith, A.J. Gaston, W.A. Montevecchi, K.H. Elliot, R. Phillips. 2009. **Modelling Seabird Oil Spill Mortality Using Flight and Swim Behaviour**. Environmental Studies Research Funds Report No. 186. Dartmouth, 46 pp.,
<https://www.esrfunds.org/sites/www.esrfunds.org/files/publications/ESRF186-Fifield-et-al.pdf>

Lora A. Morandin, Patrick D. O'Hara, **"Offshore oil and gas, and operational sheen occurrence: is there potential harm to marine birds?"** *Environmental Reviews*, 2016, 24(3): 285-318,
<https://doi.org/10.1139/er-2015-0086>.

Russell J. and D. Fifield 2001. **Marine Bird Important Bird Areas on the Northeast Coast of Newfoundland: Conservation Concerns and Potential Strategies**. Can. Nature Fed., Bird Studies Can., Natural History Society of Newfoundland and Labrador, 124 pp.,
<https://www.ibacanada.org/documents/conservationplans/nlnortheastnewfoundland.pdf>.
(Note: this resource contains information pertinent to marine birds of concern to NCC).

IV. Additional Sources on Module 9: Marine Mammals and Sea Turtles

Fisheries and Oceans Canada, Canadian Science Advisory Secretariat, [Science Advisory Report 2015/005], **Review of Mitigation and Monitoring Measures for Seismic Survey Activities in and Near the Habitat of Cetacean Species at Risk (2015)**, <https://waves-vagues.dfo-mpo.gc.ca/Library/364484.pdf>.

V. Additional Sources for Module 12: Fisheries and Other Ocean Uses

See the sources provided by NCC under Section I, above, on NCC fisheries (Stewardship Report), northern shrimp and capelin.

See also the sources in Section VII, below, which discuss fisheries along with other topics.

VI. Additional Sources for Module 14: Atmospheric Environment

Bylin, et al, **Designing the Ideal Offshore Platform Methane Mitigation Strategy** (SPE 126964), 2010, <https://www.epa.gov/sites/production/files/2016-09/documents/spe126964.pdf>.

Helmholtz Centre for Ocean Research Kiel (GEOMAR), (2017) “**Oil and gas wells as a strong source of greenhouse gases**”, Science Daily, August 28, 2017, <https://www.sciencedaily.com/releases/2017/08/170828102707.htm>.

Riddick, S. N. et al (2019) "**Methane emissions from oil and gas platforms in the North Sea**", Atmos. Chem. Phys., 19, 9787–9796, <https://doi.org/10.5194/acp-19-9787-2019>.
(This is the full published 2019 study from Princeton University referred to directly below).

Sullivan, John, Office of Engineering Communications, Princeton University, “**Offshore oil and gas rigs leak more greenhouse gas than expected**”, August 15, 2019, <https://www.princeton.edu/news/2019/08/15/offshore-oil-and-gas-rigs-leak-more-greenhouse-gas-expected>

Zhang Y. and and Zhai W.-D. (2015) "**Shallow-ocean methane leakage and degassing to the atmosphere: Triggered by offshore oil-gas and methane hydrate explorations**," Front. Mar. Sci. 2: 34, <https://doi.org/10.3389/fmars.2015.00034>.

VII. Additional Multi-Topic Sources (single sources addressing multiple modules)

Environmental organization and academic sources

Canadian Parks and Wilderness Society – Newfoundland and Labrador Chapter (CPAWS-NL), **Special Marine Areas in Newfoundland and Labrador. Second Edition**. January 2018. Prepared for CPAWS-NL by Nick White. CPAWS contributors Tanya Edwards and Suzanne Dooley, <https://cpawsnl.org/wp-content/uploads/2018/07/SMA-Guide-FINAL-2018-2-20-compressed-ilovepdf-compressed-1.pdf>

Cordes et al., **Environmental Impacts of the Deep-Water Oil and Gas Industry: A Review to Guide Management Strategies**, Front. Environ. Sci., 16 September 2016, <https://doi.org/10.3389/fenvs.2016.00058>.

Jackson, L., (1982) **Bounty of a Barren Coast: Resource Harvest and Settlement in Southern Labrador: Phase One**. Labrador Institute of Northern Studies, Memorial University for Petro Canada Explorations Ltd. Calgary, <https://www.worldcat.org/title/bounty-of-a-barren-coast-resource-harvest-and-settlement-in-southern-labrador-phase-one/oclc/427201864>.

Government sources

Disclaimer: Please note that by including these sources, NCC does not necessarily endorse the methods or conclusions drawn in relation to resources important for NunatuKavut.

Armsworthy, S.L., A. Muecke and P.J. Cranford. 2003. **Workshop on Offshore Oil and Gas Environmental Effects Monitoring, Bedford Institute of Oceanography, Dartmouth, Nova Scotia, May 26-30, 2003**. Environmental Studies Research Funds Report No. 160. Dartmouth. 125 pp., <https://www.esrfunds.org/sites/www.esrfunds.org/files/publications/ESRF160-Armsworthy-et-al.pdf>.

Bundy, A., Lilly G.R., and Shelton, P.A., **A mass balance model of the Newfoundland-Labrador shelf** [Canadian technical report of fisheries and aquatic sciences 0706-64572310], Fisheries and Oceans Canada, 2000, <http://publications.gc.ca/site/eng/9.615190/publication.html>.

Industry sources

Disclaimer: Please note that by including these sources, NCC does not necessarily endorse the methods or conclusions drawn in relation to resources important for NunatuKavut.

BP Canada Energy Group, **Newfoundland Orphan Basin Exploration Drilling Program, Project Description Summary (BP)**, January 2018, <https://ceaa-acee.gc.ca/050/documents/p80147/121406E.pdf>. See especially for information on commercial fishing and Indigenous engagement (including of NCC).

Canadian Environmental Assessment Agency, **Flemish Pass Exploration Drilling Project and Eastern Newfoundland Offshore Exploration Drilling Project - Draft Environmental Assessment Report**, April 2019, <https://ceaa-acee.gc.ca/050/documents/p80129/129197E.pdf>. See especially for information summarized in relation to input provided by NCC.

CNOOC, **International Flemish Pass Exploration Drilling (2018 –2028) Environmental Impact Statement Addendum**, May 2019, <https://www.cnlopbc.ca/wp-content/uploads/nexenergyfp/roundtwoires.pdf>.

ExxonMobil, **Eastern Newfoundland Offshore Exploration Drilling Program – EIS**, December 2017, <https://www.ceaa-acee.gc.ca/050/documents/p80132/121319E.pdf>. See especially for information relating to potential impacts on resources harvested by NunatuKavut Community Council members, pages 660-661.

Husky Energy, **Exploration Drilling Project Environmental Impact Statement Summary Revised Report in Response to CEA Agency Conformity Review**, September 2018 <https://www.ceaa.gc.ca/050/documents/p80130/125645E.pdf>.