

8 BIBLIOGRAPHY

- ABORIGINAL AFFAIRS AND NORTHERN DEVELOPMENT CANADA (AANDC). 2016. *Registered Population as of February, 2016 (Eel Ground)*. [https://web.archive.org/web/20160305190820/http://pse5-esd5.ainc-inac.gc.ca/FNP/Main/Search/FNRegPopulation.aspx?BAND_NUMBER=7&lang=eng]
- AIRPHOTO ANALYSIS ASSOCIATES CONSULTANTS LIMITED. 1975. *Wetlands Peatlands Resources New Brunswick*. Department of Natural Resources, Fredericton, New Brunswick, 106 p.
- ANDERSEN, R., L. ROCHEFORT & J. LANDRY. 2011. La chimie des tourbières du Québec : une synthèse de 30 années de données. *Le Naturaliste Canadien* 135(1): 5-14.
- ATLANTIC CANADA CONSERVATION DATA CENTER (ACCDC). 2021. *Data Report 6992: North of Rosaireville, NB*.
- BIRD STUDIES CANADA. 2022. Second atlas of breeding bird of the maritime provinces [<https://www.mba-aom.ca/>]
- BLADES, D. C. & S. A. MARSHALL. 1994. Terrestrial arthropods of Canadian peatlands: Synopsis of pan trap collections at four southern Ontario peatlands. *The Memoirs of the Entomological Society of Canada*, 126 (S169), 221-284.
- BOUSSINESQ, J. 1904. Recherches théoriques sur l'écoulement des nappes d'eau infiltrées dans le sol et sur le débit de sources. *J. Math. Pures Appl.*, 5 (10), pp. 5-78.
- BRUTSAERT, W. & J.L. NIEBER. 1977. Regionalized drought flow hydrographs from a mature glaciated plateau. *Water Resour. Res.* 13 (3), pp. 637-643.
- CALMÉ, S., A. DESROCHERS, & J. P. L. SAVARD. 2002. Regional significance of peatlands for avifaunal diversity in southern Québec. *Biological conservation*, 107(3), 273-281.
- CANADIAN COUNCIL of MINISTER of the ENVIRONMENT (CCME). 2007. Canadian water quality for the protection of aquatic life : Summary Table. Updated December 2007. In : *Canadian Environmental Quality Guidelines, 1999*. Canadian Council of Ministers of the Environment, Winnipeg.
- CANADIAN COUNCIL of MINISTER of the ENVIRONMENT (CCME). 2015. Environmental Code of Practice for Aboveground and Underground Storage Tank Systems Containing Petroleum and Allied Petroleum Products (PN 1326). Underwriters Laboratories of Canada (ULC) update, October 2015.
- CANADIAN SPHAGNUM PEAT MOSS ASSOCIATION. 2017. *Statistics about Peatland Areas Managed for Horticultural Peat Harvesting in Canada*. [https://tourbehorticole.com/wp-content/uploads/2020/01/Summary_2016_2017_Industry_Statistic_AREAS_WEB.pdf].
- CARRIER, C., 2003. Étude de l'interaction entre le système d'écoulement local d'une tourbière ombrotrophe et le système d'écoulement des eaux souterraines régionales dans le sud-est du Nouveau-Brunswick : Caractérisation et modélisation hydrogéologiques. M. Sc. Géogr., Département de géographie, Université Laval, 119 p. + Annexes.
- CHAPMAN, D., 2002. *Peatlands and Environmental Change*. John Wiley & Sons, Ltd, Chichester.
- CLÉMENT, M., A. ST-HILAIRE, D. CAISSIE, A. CHIASSON, S. COURTENAY & P. HARDIE. 2009. An Evaluation of Mitigation Measures to Reduce Impacts of Peat Harvesting on the Aquatic Habitat of the East Branch Portage River, New Brunswick, Canada. *Canadian Water Resources Journal*, 34:4, 441-452, DOI: 10.4296/cwrj3404441
- DAIGLE, J.-Y., & H. GAUTREAU-DAIGLE, 2001. *Canadian Peat Harvesting and the Environment, Second Edition*. North American wetlands conservation council. Issue Paper no. 2001-1, Ottawa, Ontario.

- DEPARTMENT OF ENVIRONMENT AND LOCAL GOVERNMENT (DELG). 2021a. *A Guide to Environmental Impact Assessment in New Brunswick* [<https://www2.gnb.ca/content/dam/gnb/Departments/en/pdf/Minerals-Minerales/peat/pdf2-e.pdf>]
- DEPARTMENT OF ENVIRONMENT AND LOCAL GOVERNMENT (DELG). 2021b. *Additional information requirements for peat development projects* [<https://www2.gnb.ca/content/dam/gnb/Departments/env/pdf/EIA-EIE/SectorGuidelines/PeatDevelopmentProjects.pdf>]
- DESROCHERS, A., & G. J. VAN DUINEN. 2006. Peatland fauna. In: *Boreal Peatland Ecosystems* (pp. 67-100). Springer, Berlin, Heidelberg.
- ENVIRONMENT CANADA, 2021a. *Normales et moyennes climatiques*. [http://climat.meteo.gc.ca/climate_normals/index_f.html].
- ENVIRONMENT CANADA, 2021b. *Historical hydrometric data*. [https://wateroffice.ec.gc.ca/mainmenu/historical_data_index_e.html]
- FONTAINE, N., M. POULIN. & L. ROCHEFORT. 2007. Plant diversity associated with pools in natural and restored peatlands. *Mires and Peat*, 2: 34–56.
- FRENCH, K. J., SCRUTON, D. A., ANDERSON, M. R., & SCHNEIDER, D. C. 1999. Influence of physical and chemical characteristics on mercury in aquatic sediments. *Water, Air, and Soil Pollution*, 110(3), 347-362.
- FRIOLET, R., A. TURCOTTE-LANTEIGNE, & S. BASTIEN-DAIGLE. 2008. *Rapport d'ensemble de l'écosystème de la Tabusintac au Nouveau-Brunswick. Pêches et Océans Canada*. [http://publications.gc.ca/collections/collection_2014/mpo-dfo/Fs97-4-2835-fra.pdf].
- GAUTREAU-DAIGLE, H. 1990. Evaluation of ecological constraints on peat mining in New Brunswick. I. Waterfowl population survey. II. Moose population survey. New Brunswick Department of Natural Resources and Energy, Minerals and Energy Division, Open File Report 90-6. 71 p.
- GEMTEC LIMITED. 1991. *Peatland Hydrology, Bog 569, Pigeon Hill, New Brunswick*. New Brunswick Department of Natural Resources and Energy, Mineral Resources, Open File Report 91-10, 91 p.
- GEMTEC LIMITED. 1993. *Design, Installation and Monitoring of Siltation Ponds, Peat Bog 567, Lamèque Island, New Brunswick*. Open File Report No. 93-4. New Brunswick Ministry of Natural Resources and Energy, Fredericton, NB.
- GEMTEC LIMITED. 1994. *Peatland Runoff Study, Peat Bog 16, Acadieville, New Brunswick*. New Brunswick Department of Natural Resources and Energy, Mineral Resources, Open File Report 94-10, 89 p.
- GONZALEZ, E. & L. ROCHEFORT. 2014. Drivers of success in 53 cutover bogs restored by a moss layer transfer technique. *Ecological Engineering*, 68 (2014) 279-290.
- GOVERNMENT OF CANADA. 2020. *Mammals of Kouchibouguac*. [<https://www12.statcan.gc.ca/census-recensement/2016/dp-pd/prof/index.cfm?Lang=E>].
- GOVERNMENT OF NEW BRUNSWICK. 2017. *Our Landscape Heritage. Chapter 12: Eastern Lowlands*. [<http://www2.gnb.ca/content/dam/gnb/Departments/nr-rn/pdf/en/ForestsCrownLands/ProtectedNaturalAreas/OurLandscapeHeritage/Chapter12-e.pdf>].
- GOVERNMENT OF NEW BRUNSWICK. 2021. *Peat Mining policy*. [https://www2.gnb.ca/content/dam/gnb/Departments/en/pdf/Minerals-Minerales/Peat_Mining_Policy-e.pdf]
- GUËNÉ-NANCHEN, M., S. HUGRON & L. ROCHEFORT. 2019. Harvesting surface vegetation does not impede self-recovery of Sphagnum peatlands. *Restoration Ecology* 27(1): 178-188
- HEGMANN, G., C. COCKLIN, R. CREASEY, S. DUPUIS, A. KENNEDY, L. KINGSLEY, W. ROSS, H. SPALING & D. STALKER. 1999. Cumulative effects assessment practitioners guide. *Canada: the Canadian*.

- HUGRON, S., J. BUSSIÈRES & L. ROCHEFORT, 2013. *Tree plantations within the context of ecological restoration of peatlands: a practical guide*. Peatland Ecology Research Group, Université Laval, Québec. 88 p.
- HUGRON, S., M. GUÉNÉ-NANCHEN, N. ROUX, M.-C. LEBLANC & L. ROCHEFORT. 2020. Plant reintroduction in restored peatlands: 80% successfully transferred – Does the remaining 20% matters? *Global Ecology and Conservation*, 22, June 2020;
- KEYS, D. & R.E. HENDERSON. 1987. *An investigation of the peat resources of New Brunswick*. Minerals and Energy Division. Department of Natural Resources and Energy. Open-File Report 83-10. 228 p. and maps.
- KREUTZWEISER, D., F. BEALL, K. WEBSTER & I. CREED. 2013. Impacts and prognosis of natural resource development on aquatic biodiversity in Canada's boreal zone. *Environmental Reviews*, 21(4), 227-259.
- LANDRY, J. & L. ROCHEFORT. 2012. *The drainage of peatlands: impacts and rewetting techniques*. Peatland Ecology Research Group, Université Laval, Québec. 53 p.
- LANDRY, G. & J-Y. DAIGLE. 2009. Guide de bonnes pratiques de gestion : Conception et maintenance des bassins de sédimentation pour les tourbières du Nouveau-Brunswick. Institut de recherche sur les zones côtières inc. Volet tourbe et tourbières.
- LUCCHESI, M., J.M. WADDINGTON, M. POULIN, R. POULIOT, L. ROCHEFORT & M. STRACK. 2010. Organic matter accumulation in a restored peatland: Evaluating restoration success. *Ecological Engineering*, 36 (2010) 482-488.
- MAZEROLLE, M. 2003. Detrimental effects of peat mining on amphibian abundance and species richness in bogs. *Biological Conservation*, 113: 215-223.
- MAZEROLLE, M., B. DROLET & A. DESROCHERS. 2001. Small-mammal response to peat mining of southeastern Canadian bogs. *Can. J. of Zoology*, 79: 296-302.
- MAZEROLLE, M., M. POULIN, C. LAVOIE, L. ROCHEFORT, A. DESROCHERS & B. DROLET. 2006. Animal and vegetation patterns in natural and man-made bog pools: implication for restoration. *Freshwater Biology*, 51: 333-350.
- MILSON, M. 1988. *Native people of the Miramichi*. Miramichi Literacy Writers. ISBN-0-920709-22-2. [<http://en.copian.ca/library/learning/miramichi/native/native.pdf>].
- MCCARTER, C. P. & J. S. PRICE. 2013. The hydrology of the Bois-des-Bel bog peatland restoration: 10 years post-restoration. *Ecological Engineering*, 55, 73-81.
- NATURAL RESOURCES. 2004. *Guidelines for Roads and Watercourse Crossings*. Forest Management Branch. Natural Resources. 68 pages and appendices.
- NATURAL RESOURCES CANADA. 2001. *Surficial geology, New Brunswick*. [<https://geoscan.nrcan.gc.ca/starweb/geoscan/servlet.starweb?path=geoscan/fulle.web&search1=R=119734>]
- NBjobs.ca. 2018. *New Brunswick Regional Profile: Northeast*. [<https://www.nbjobs.ca/sites/default/files/pdf/2018-11-22-northeastregionalprofile-en.pdf>], accessed on January 1st, 2022.
- NIKLA, A., S. HEIKKINEN & E. HELLE. 2004. Habitat selection of adult moose Alces alces at two spatial scales in central Finland. *Wildlife Biology*, 10(1), 121-135.
- NUGENT, K., I. B. STRACHAN, M. STRACK, N. T. ROULET & L. ROCHEFORT. 2018. Multi-year net ecosystem carbon balance of a restored peatland reveals a return to carbon sink. *Global Change Biology*, 24(12): 5751-5768.
- OUELLET, C., S.C. COURTENAY, A. ST-HILAIRE & A.D. BOGHEN. 2006. Impact of a peat moss spill on an estuarine environment using the sand shrimp Crangon septemspinosa as a biosentinel. *J. Appl. Ichtyol.* 21:1-10
- PAYETTE, S. & L. ROCHEFORT. 2001. *Écologie des tourbières du Québec-Labrador*. Presses Université Laval.
- PEATLAND ECOLOGY RESEARCH GROUP (PERG). 2009. *Production of Berries in Peatlands*. Université Laval, Québec, Québec. 134 p.

- POLUBARINOVA-KOCHINA, P.Y. 1962. *Theory of groundwater movement* (R.J.M. De Weist, Trans. from Russian). Princeton University Press, Princeton, NJ, 613 p.
- POULIN, M., L. ROCHEFORT, F. QUINTY & C. LAVOIE, 2005. Spontaneous revegetation of mined peatlands in eastern Canada. *Can. J. of Botany*, 83: 539-557.
- POULIN, M., R. ANDERSEN & L. ROCHEFORT. 2013. A new approach for tracking vegetation change after restoration: A case study with peatlands. *Restoration Ecology*, 21(3): 363-371; doi:10.1111/j.1526-100X.2012.00889.x.
- PRICE, J.S. 1996. Hydrology and microclimate of a partly restored cutover bog, Québec. *Hydro. Proc.*, Vol. 10, pp. 1263-1272.
- PRICE, J.S., A.L. HEATHWAITE, & A.J. BAIRD, 2003. Hydrological processes in abandoned and restored peatlands: An overview of management approaches. *Wetlands Ecol. and Manag.* Vol. 11, pp. 65-83.
- QUINTY, F. & L. ROCHEFORT. 2003. *Peatland Restoration Guide, 2nd ed.* Canadian Sphagnum Peat Moss Association and New Brunswick Department of Natural Resources and Energy. Québec, Québec. 106 pp.
- QUINTY, F., M.C. LEBLANC & L. ROCHEFORT, 2019. *Peatland Restoration Guide – Plant Material Collecting and Donor Site Management.* PERG, CSPMA and APHQ. Québec City, Québec.
- QUINTY, F., M.-C. LEBLANC & L. ROCHEFORT. 2020a. *Peatland Restoration Guide – Planning Restoration Projects.* PERG, CSPMA and APHQ. Québec, Québec.
- QUINTY, F., M.-C. LEBLANC & L. ROCHEFORT. 2020b. *Peatland Restoration Guide – Spreading Plant Material, Mulch and Fertilizer.* PERG, CSPMA and APHQ. Québec, Québec.
- QUINTY, F., M.-C. LEBLANC & L. ROCHEFORT. 2020c. *Peatland Restoration Guide – Site Preparation and Rewetting.* PERG, CSPMA and APHQ. Québec, Québec.
- RAY, H. L., A. M. RAY & A. J. REBERTUS. 2004. Rapid establishment of fish in isolated peatland beaver ponds. *Wetlands*, 24(2), 399-405.
- RIVARD, C., Y. MICHAUD, C. DEBLONDE, V. BOISVERT, C. CARRIER, R. H. MORIN, T. CALVERT, H. VIGNEAULT, D. CONOHAN, S. CASTONGUAY, R. LEFEBVRE, A. RIVERA & M. PARENT. 2008. Canadian Groundwater Inventory: Regional hydrogeological characterization of the south-central part of the Maritimes Basin. *Bulletin of the Geological Survey of Canada*, (589), 1-96.
- ROCHEFORT, L., M. STRACK, M. POULIN, J.S. PRICE, M. GRAF, A. DESROCHERS & C. LAVOIE. 2012. Northern Peatlands. IN: Batzer D. P. and A. H. Baldwin (Eds.), *Wetland Habitats of North America. Ecology and Conservation Concerns.* University of California Press, p. 119-134.
- RYDIN, H. & J.K. JEGLUM. 2006. *The biology of peatlands.* Oxford University Press.
- SHOTYK, W., 1986. *Impact of Peatland Drainage Waters upon Aquatic Ecosystems.* Conseil national de la recherche du Canada, Publication CNRC 27415, 63 p.
- SHOTYK, W., A. K. CHEBURKIN, P. G. APPLEBY, A. FANKHAUSER & J. D. KRAMERS. 1996. Two thousand years of atmospheric arsenic, antimony, and lead deposition recorded in an ombrotrophic peat bog profile, Jura Mountains, Switzerland. *Earth and Planetary Science Letters*, 145, E1-E7.
- SPITZER, K., & H. V. DANKS. 2006. Insect biodiversity of boreal peat bogs. *Annu. Rev. Entomol.*, 51, 137-161.
- ST-HILAIRE, A., S. C. COURTENAY, C. DIAZ-DELGADO, B. PAVEY, T. B. OUARDA, A. BOGHEN & B. BOBÉE. 2006. Suspended sediment concentrations downstream of a harvested peat bog: analysis and preliminary modelling of exceedances using logistic regression. *Canadian Water Resources Journal*, 31(3), 139-156.

- SURETTE, C., BRUN, G. L., & MALLET, V. N., 2002. Impact of a commercial peat moss operation on water quality and biota in a small tributary of the Richibucto River, Kent County, New Brunswick, Canada. *Archives of Environmental Contamination and Toxicology*, 42(4), 423-430.
- STAPINSKY, M., Y. MICHAUD, R.H. MORIN, K.E. BUTLER, C. DEBLONDE, G. CHI, T. THÉRIAULT, S. CASTONGUAY, V. BOIVERT, H.P. JULIEN, D. CONOHAN, B. HULSMAN, C. CARRIER, J. MARION & É. BOISVERT. 2002. *Groundwater resources assessment in the Maritimes Carboniferous Basin: Preliminary results of the hydrogeological characterization*. Current Research, 2002-D8, Geological Survey of Canada.
- STATISTICS CANADA. 2021. *Census Profile, 2016 Census*. [<https://www12.statcan.gc.ca/census-recensement/2016/dp-pd/prof/index.cfm?Lang=E>].
- STRACK, M. & Y.C.A. ZUBACK. 2013. Annual carbon balance of a peatland 10 yr following restoration. *Biogeosciences*, 10, 2885–2896, doi:10.5194/bg-10-2885-2013
- THIBAUT, J. 1998. *Guidelines for peat mining operations in New Brunswick*. New Brunswick Department of Natural Resources and Energy, Minerals and energy Division, Open File 98-7.
- THORNTHWAITE, C.W. 1948. An approach toward a rational classification of climate. *Geographical Review*, 38(1), pp. 55-94.
- TRAJKOVIC, K. V. & H. COLLINS. 2013. *Atlantic Salmon Habitat Assessment for the Bay du Vin River Drainage Basin*. Miramichi River Environmental Assessment Committee (MREAC), Miramichi, New Brunswick. 77 p.
- WADDINGTON, J.M., M. STRACK & M.J. GREENWOOD. 2010. Toward restoring the net carbon sink function of degraded peatlands: short-term response in CO₂ exchange to ecosystem-scale restoration. *J. of Geophysical Res.*, 115, G01008, doi:10.1029/2009JG001090.
- WSP. 2016. *Projet d'extension du bail 11 pour la récolte de tourbe sur la tourbière 324W, Étude d'impact sur l'environnement*. Rapport produit pour Les Tourbières Berger Ltée. 82 pages et annexes.
- XING, Z., L. CHOW, F.-R. MENG, H.W. REES, J. MONTHEITH, & S. LIONEL. 2008. Testing reference evapotranspiration estimation methods using evaporation pan and modeling in Maritime region of Canada. *J. of Irrigation and Drainage Eng.*, ASCE, July/August, pp. 417-424.

