

TABLE OF CONTENTS

Page

16.0	REFERI	ENCES1		
	16.1	Literature Cited1	L 6-1	
	16.2	Personal Communications16	5-18	

16.0 REFERENCES

16.1 Literature Cited

- Aboriginal Affairs and Northern Development Canada (AANDC) (now Indigenous and Northern Affairs [INAC]). (2015). Population characteristics. Retrieved from http://pse5-esd5.ainc-inac.gc.ca/FNP/Main/Search/FNPopulation.aspx?BAND_NUMBER=266&lang=eng
- Allan, J.D., M.S. Wipfli, J.P. Caouette, A. Prussian and J. Rodgers. (2003). Influence of streamside vegetation on inputs of terrestrial invertebrates to salmonid food webs. *Canadian Journal of Fisheries and Aquatic Sciences, 60:* 309-320.
- AMEC Foster Wheeler Environment and Infrastructure. (2015a). MFESRA Project 4 All Season Road Realignment - Poplar River Heritage Resources Impact Assessment A69-13 Final Report. Report prepared for Manitoba Floodway and East Side Road Authority. February, 2015.
- AMEC Foster Wheeler Environment and Infrastructure. (2015b). MFESRA Project 4 All Season Road Realignment - Berens River Heritage Resources Impact Assessment A14-14 Final Report. Report prepared for Manitoba Floodway and East Side Road Authority. March, 2015.
- AMEC Foster Wheeler Environment and Infrastructure. (2015c). MFESRA Project 4 All Season Road
 Realignment Quarry Sources Heritage Resources Impact Assessment A33-15 Final Report. Report
 prepared for Manitoba Floodway and East Side Road Authority. September, 2015.
- Ashley, E.P., Kosloski, A., and Petrie, S.A. (2007). Incidence of intentional vehicle-reptile collisions. *Human Dimensions of Wildlife 12(3):* 137-143.
- Ballard, W.B., Cunning, A.F., and Whitman, J.S. (1988). Hypotheses of impacts on moose due to hydroelectric projects. *Alces 24:* 34–47.
- Bamburak, J.D. (1990). Open file report OF90-2 metallic mines and mineral deposits of Manitoba. Retrieved from http://www.gov.mb.ca/iem/info/libmin/OF90-2.pdf
- Banfield, A.W.F. (1974). The mammals of Canada. Toronto, ON: University of Toronto Press.
- Berens River Community Council. (2015). *Welcome to the community of Berens River home.* Retrieved from http://www.berensrivercommunitycouncil.ca/
- Bergerud, A.T., Ferguson, R., and Butler, H.E. (1990). Spring migration and dispersion of woodland caribou at calving. *Animal Behaviour 39(2):* 360-368.

- Berglund, N.E., Racey, G.D., Abraham, K.F., Brown, G.S., Pond, B.A., and Walton, L.R. (2014). *Woodland caribou* (Rangifer tarandus caribou) *in the far north of Ontario: background information in support of land use planning. Draft technical report TR-147.* Thunder Bay, ON: Ministry of Natural Resources.
- Betcher, R., Grove, G., and Pupp, C. (1995). *NHRI contribution no. CS-93017 groundwater in Manitoba: hydrogeology, quality concerns, management.* Retrieved from http://web.viu.ca/earle/geol304/hg-manitoba.pdf
- Bond, W.K., Cox, K.W., Heberlein, T., Manning, E.W., Witty, D.R., and You, D.A. (1992). *Wetland evaluation guide issues paper, no. 1992 – 1.* Retrieved from www.env.gov.bc.ca/wld/documents/WEG_Oct2002_s.pdf
- Brandt, J.P., Flannigan, M.D., Maynard, D.G., Thompson, I.D., and Volney, W.J.A. (2013). An introduction to Canada's boreal zone: ecosystem processes, health, sustainability, and environmental issues. *Environ. Rev. 21*: 207-226.
- Bruce, V., Berens, E., Bruce, E., Mason, M., and Ruta, T. (2002). *Poplar River Anishinabek plant guide*. Winnipeg, MB: Poplar River First Nation.
- Buchner, A.P. (1979). *The 1978 Caribou Lake project, including a summary of the prehistory of eastcentral Manitoba – papers in Manitoba archaeology final report no. 8.* Winnipeg, MB: Department of Cultural Affairs and Historical Resources Historic Resources Branch.
- Bulloch, D., Creed, W., Dixon, R., Ehnes, J., Kristofferson, K., McColm, G., Oswald, B., Peckett, M., Scaife,
 B., Schindler, D., Scott, C., Swanson, T., Veldhuis, H., Wickware, G., and Zebrowski, D. (2002).
 Manitoba ecosystem based management pilot project: science team report: Ecosystem 90: Lac Seul
 Upland Ecoregion summary technical report. Winnipeg, MB: Manitoba Department of Natural
 Resources.
- Burns, J.W. (1972). Some effects of logging and associated road construction on Northern California streams. *Transactions of the American Fisheries Society 101(1):* 1-17.
- Canadian Environmental Assessment Agency (CEA Agency). (2011). *Lake Winnipeg East Side Road* (*Provincial Road 304 to Berens River All-Season Road Project*). Retrieved from http://www.ceaaacee.gc.ca/052/details-eng.cfm?pid=52056
- Canadian Environmental Assessment Agency (CEA Agency). (2014a). *Glossary: part 2, explanation of terms.* Retrieved from http://www.ceaa-acee.gc.ca/default.asp?lang=En&n=B7CA7139-1&offset=3&toc=hide#vec
- Canadian Environmental Assessment Agency (CEA Agency). (2014b). *Draft: technical guidance for assessing cumulative environmental effects under the* Canadian Environmental Assessment Act,

2012. Retrieved from https://www.ceaa-acee.gc.ca/default.asp?lang=en&n=B82352FF-1&offset=&toc=hide

- Canadian Environmental Assessment Agency (CEA Agency). (2015a). Guidelines for the Preparation of an Environmental Impact Statement pursuant to the *Canadian Environmental Assessment Act*, 2012.
 Project 4 All-season Road Connecting Berens River and Poplar River First Nation. Report prepared for the Manitoba Floodway and East Side Road Authority. March, 2015. Retrieved from http://www.ceaa.gc.ca/050/documents-eng.cfm?evaluation=80094
- Canadian Environmental Assessment Agency (CEA Agency). (2015b). *Operational policy statement: assessing cumulative environmental effects under the* Canadian Environmental Assessment Act, *2012.* Retrieved from https://www.ceaa-acee.gc.ca/default.asp?lang=En&n=1DA9E048-1
- Canadian Food Inspection Agency. (2008). *Invasive alien plants in Canada technical report*. Ottawa, ON: Canadian Food Insepection Agency. Retrieved from http://publications.gc.ca/collections/collection_2008/inspection/A104-74-2008E.pdf
- Canadian Herpetological Society. (2015). Northern green frog Lithobates clamitans melanota, formerly Rana clamitans melanota. Retrieved from http://www.carcnet.ca/english/amphibians/species_accounts/anurans/L_clamitans/clamitans2.php
- Canadian Wildlife Federation. (2015a). *Amphibians and reptiles*. Retrieved from http://cwf-fcf.org/en/discover-wildlife/flora-fauna/fauna/amphibians-and-reptiles/
- Canadian Wildlife Federation. (2015b). Batty about bats. Retrieved from: http://cwf-fcf.org/en/discoverwildlife/flora-fauna/fauna/mammals/batty-about-bats.html
- Carr, L.W. and Fahrig, L. (2001). Effect of road traffic on two amphibian species of differing vagility. *Conservation Biology 15:* 1071-1078.
- Centre for Indigenous Environmental Resources (CIER). (2015). MFESRA Phase 4 All Season Road Traditional Knowledge Study – Berens River Workshop Summary First Nation. Report prepared for Manitoba East Side Road Authority.
- Centre for Indigenous Environment Resources (CIER) and Poplar River First Nation. (2015). MFESRA Phase 4 All Season Road Traditional Knowledge Study – Poplar River First Nation Traditional Knowledge Summary. Report prepared for Manitoba East Side Road Authority.
- Chang, Y., Chang, T., and Chen, W. (2009). An estimation on overall emission rate of fugitive dust emitted from road construction activity. *Environmental Engineering Science 16(5):* 375-388.

- Cheng, V., Arthonditsis, G.B., Sills, D.M., Auld, H., Shephard, M.W., Gough, W.A., and Klaassen, J. (2013). Probability of tornado occurrence in Canada. *American Meteorological Society*, *26*: 9415-9428.
- Committee On The Status Of Endangered Wildlife In Canada (COSEWIC). (2003). *COSEWIC assessment and update status report on the shortjaw cisco* Coregonus zenithicus *in Canada*. Retrieved from https://www.registrelep-sararegistry.gc.ca/default.asp?lang=En&n=0379EBFF-1
- Committee On The Status Of Endangered Wildlife In Canada (COSEWIC). (2006a). *COSEWIC assessment and update status report on the lake sturgeon* Acipenser fulvescens *in Canada*. Retrieved from http://www.sararegistry.gc.ca/default.asp?lang=En&n=620309F4-1
- Committee On The Status Of Endangered Wildlife In Canada (COSEWIC). (2006b). *COSEWIC assessment* and status report on the mapleleaf mussel Quadrula quadrula (Saskatchewan-Nelson population and Great Lakes-Western St. Lawrence population) in Canada. Retrieved from http://www.sararegistry.gc.ca/default.asp?lang=En&n=ACAA0821-1
- Committee On The Status Of Endangered Wildlife In Canada (COSEWIC). (2008). *COSEWIC Assessment and status report on the snapping turtle* Chelydra serpentina *in Canada*. Retrieved from http://www.registrelep-sararegistry.gc.ca/default.asp?lang=En&n=16E2D43C-1

Crocker, M.J. (2007). Handbook of noise and vibration control. Hoboken, NJ: John Wiley & Sons, Inc.

- Davidson-Hunt, I.J., Deutsch, N., and Miller, A.M. (2012). *Pimachiowin Aki cultural landscape atlas: land that gives life.* Winnipeg, MB: Pimachiowin Aki Corporation
- Dick, T. A., Jarvis, S.R., Sawatzky, C.D., and Stewart, D.B. (2006). The lake sturgeon, *Acipenser fulvescens* (Chondrostei: Acipenseridae): an annotated bibliography. *Can. Tech. Rep. Fish. Aquat. Sci. 2671(iv):* 251.
- Dillon Consulting Limited. (1999). Feasibility of an East Side All-Season Road Network. Study prepared for Manitoba Transportation and Government Services (now Manitoba Infrastructure and Transportation).
- Dillon Consulting Limited. (2015). Greenhouse Gas Emissions Assessment for East Side Road Authority All-Season Road Projects. Report prepared for Manitoba East Side Road Authority. November, 2015.
- Dillon Consulting Limited and H.N. Westdal & Associates. (2000). East Side of Lake Winnipeg All Weather Road Justification and Scoping Study. Report prepared for Manitoba Transportation and Government Services (now Manitoba Infrastructure and Transportation).

- Dillon Consulting Limited and N.D. Lea. (2001). Work Plan to Develop an All-Weather Road Network for the East Side of Lake Winnipeg. Report prepared for Manitoba Transportation and Government Services (now Manitoba Infrastructure and Transportation).
- Ducks Unlimited Canada. (2015). *Field guide of boreal wetland classes in the Boreal Plains Ecozone of Canada* [online version]. Retrieved from http://www.ducks.ca/resources/industry/field-guide-of-boreal-wetland-classes-in-the-boreal-plains-ecozone-of-canada/
- East Side Planning Initiative. (2004). "Promises to Keep..." Towards a Broad Area Plan for the East Side of Lake Winnipeg. Report prepared for the Government of Manitoba. September, 2004. Retrieved from http://www.gov.mb.ca/conservation/wno/phase2/status-report/letter_of_transmittal.pdf
- Edwards, S. (2015). *Sunrise sunset calendar*. Retrieved from http://www.sunrisesunset.com/calendar.asp
- Eigenbrod, F., Hecnar, S.J., and Fahrig, L. (2008). The relative effects of road traffic and forest cover on anuran populations. *Biological Conservation 141:* 35-46.
- Environment and Climate Change Canada. (2016). *Operational framework for use of conservation allowances*. Retrieved from https://www.ec.gc.ca/ee-ea/default.asp?lang=En&n=DAB7DD13-1&printfullpage=true
- Environment Canada. (2012). *Recovery strategy for the Woodland Caribou* (Rangifer tarandus caribou), *Boreal population, in Canada*. Retrieved from http://www.registrelepsararegistry.gc.ca/virtual_sara/files/plans/rs_caribou_boreal_caribou_0912_e1.pdf
- Environment Canada. (2013). *Canada United States Air Quality Agreement Annex 3 (archive)*. Retrieved from https://www.ec.gc.ca/air/default.asp?lang=En&n=9992B080-1
- Environment Canada. (2015a). Canadian climate normals 1981-2010 station data Berens River climate station. Retrieved from http://climate.weather.gc.ca/climate_normals/results_1981_2010_e.html?stnID=3721&lang=e&am p;StationName=berens&SearchType=Contains&stnNameSubmit=go&dCode=5&dispBack= 1
- Environment Canada. (2015b). *Daily discharge statistics graph for Berens River at outlet of Long Lake* (05RD007) (1957-1992). Retrieved from https://wateroffice.ec.gc.ca/report/report_e.html?type=stat&stn=05RD007
- Fahrig, L. and Rytwinski, T. (2009). Effects of roads on animal abundance: an empirical review and synthesis. *Ecology and Society 14(1):* 21.

- Findlay, C.S. and Houlahan, J. (1997). Anthropogenic correlates of species richness in southeastern Ontario wetlands. *Conservation Biology* 11(4): 1000-1009.
- Fisheries and Oceans Canada and Manitoba Natural Resources. (1996). *Manitoba stream crossing guidelines for the protection of fish and fish habitat*. Retrieved from https://www.gov.mb.ca/conservation/fish/images/stream.pdf
- Fisheries and Oceans Canada. (2013). *Proceedings of the regional pre-COSEWIC assessment for shortjaw cisco* (Coregonus zenithicus) *in Canada; 30-31 October 2012*. Retrieved from http://www.dfompo.gc.ca/csas-sccs/Publications/Pro-Cr/2013/2013_021-eng.pdf
- Fisheries and Oceans Canada. (2015a). *Fisheries protection program.* Retrieved from http://www.dfo-mpo.gc.ca/pnw-ppe/fpp-ppp/index-eng.html
- Fisheries and Oceans Canada. (2015b). *Manitoba restricted activity timing windows for the protection of fish and fish habitat*. Retrieved from http://www.dfo-mpo.gc.ca/pnw-ppe/timing-periodes/mb-eng.html
- Fisheries and Oceans Canada. (2015c). *Measures to avoid causing harm to fish and fish habitat.* Retrieved from http://www.dfo-mpo.gc.ca/pnw-ppe/index-eng.html
- Flannigan, M., Girardin, M.P., Tardif, J., and Bergeron, Y. (2003). Climate and fire relationships in the central and eastern Canadian boreal forest. Networks centres of excellence – sustainable forest management project report. September, 2003. Retrieved from file:///C:/Users/40MGG/Downloads/PR_200304flanniganmclim6.pdf
- Forman, R.T. and Alexander, L.E. (1998). Roads and their major ecological effects. *Annual Review of Ecology, Evolution and Systematics 29:* 207-31.
- Foster, C., Hamel, C., and Reimer, E. (2004). *Occurrences of rare and uncommon calcareous wetland plants surveyed by the Manitoba Conservation Data Centre in 2003.* Retrieved from www.gov.mb.ca/conservation/cdc/pdf/rarespecies_survey_2005.pdf
- Franzin, W.G., Stewart, K.W., Hanke, G.F., and Heuring, L. (2003). *The fish and fisheries of Lake Winnipeg: the first 100 years*. Retrieved from www.dfo-mpo.gc.ca/Library/271094.pdf
- Freshwater Mussel Conservation Society. (2015). *Freshwater mussel reproductive cycle*. Retrieved from http://molluskconservation.org/MUSSELS/Reproduction.html
- Gillingham, M.P. and Parker, K.L. (2008). The importance of individual variation in defining habitat selection by moose in northern British Columbia. *Alces* 44: 7–20.

- Goldsborough, L.G. (2015). The ecology of coastal wetlands around Lake Winnipeg and vegetation loss in Netley - Libau Marsh. Retrieved from http://www.cecmanitoba.ca/resource/hearings/33/Ecology%20of%20Coastal%20Wetlands,%20Gol dsborough%2020151.pdf
- Government of Canada. (2013). *Treaty 5 between Her Majesty the Queen and the Saulteaux and Swampy Cree tribes of Indians at Berens River and Norway House with adhesions*. Retrieved from http://www.aandc.gc.ca/eng/1100100028699/1100100028700

Government of Manitoba. (1999). *Report of the consultation on sustainable development implementation (COSDI)*. Retrieved from http://www.gov.mb.ca/conservation/susresmb/cosdireport.html

- Government of Manitoba. (2005). *Objectives and guidelines for various air pollutants: ambient air quality criteria*. Retrieved from https://www.gov.mb.ca/conservation/envprograms/airquality/aq-criteria/ambientair_e.html
- Government of Manitoba. (2007). 2006 census of population Northern Affairs and other small communities. Retrieved from http://www.gov.mb.ca/asset_library/en/statistics/manitoba_dpl.pdf
- Government of Manitoba. (2011). *Planning resource guide: planning for the protection of riparian areas.* Retrieved from http://www.gov.mb.ca/ia/plups/pdf/riparian_area_guide.pdf
- Government of Manitoba. (2012). *Climate change and air quality branch*. Retrieved from: http://www.gov.mb.ca/conservation/climate/
- Government of Manitoba. (2013). Forest management units map. Retrieved from: https://www.gov.mb.ca/conservation/forestry/pdf/manage/fmu_feb2013_map.pdf
- Government of Manitoba. (2015a). *Manitoba anglers guide 2015*. Retrieved from http://www.gov.mb.ca/waterstewardship/fish/pdf/2015AnglersGuide.pdf
- Government of Manitoba. (2015b). *Find your favourite park*. Retrieved from: https://www.gov.mb.ca/conservation/parks/popular_parks/central/pembina_info.html
- Government of Manitoba. (2015c). *Manitoba agriculture, food and rural development. Blueberry production in Manitoba.* Retrieved from: http://www.gov.mb.ca/agriculture/crops/production/fruitcrops/blueberry-production.html
- Government of Manitoba. (2015d). *Manitoba agriculture, food and rural development. High bush cranberry production in Manitoba*. Retrieved from:

https://www.gov.mb.ca/agriculture/crops/production/fruit-crops/highbush-cranberry-production.html

- Halsey, L.A., Vitt, D.H., and Zoltai, S.C. (1997). Climate and physiographic controls on wetland type and distribution in Manitoba, Canada. *Wetlands* 17(2): 243-262.
- Health Canada. (2010). *Community noise annoyance*. Retrieved from http://www.hc-sc.gc.ca/hl-vs/iyh-vsv/life-vie/community-urbain-eng.php
- Heart of the Boreal. (2014). *Wabanong nakaygum okimawin (east side of the lake governance)*. Retrieved from http://www.heartoftheboreal.ca/about-the-east-side/initiatives/wno
- Hoffman, Wolfgang. (2015). An aerial view reveals the extent of a 2003 fire in the boreal forest of Manitoba, Canada. Retrieved from http://news.wisc.edu/14399
- Jaarsma, C.F., van Langevelde, F., and Botma, H. (2006). Flattened fauna and mitigation: traffic victims related to road, traffic, vehicle, and species characteristics. *Transportation Research Part D* 11: 264-276.
- J.D. Mollard and Associates Ltd. (2011). Identification and Assessment of All-Season Road Route Alternatives between Poplar River and Berens River, Manitoba. Report prepared for Manitoba Floodway and East Side Road Authority. April, 2011.
- Joro Consultants. (2014). Technical Memorandum: Manitoba Floodway and East Side Road Authority. Project 4: Initial Identification of Potential Effects Report. Report prepared for Manitoba Floodway and East Side Road Authority. March, 2014.
- Joro Consultants. (2015a). Manitoba East Side Road Authority Project 4: Wildlife Technical Report. Report prepared for Manitoba Floodway and East Side Road Authority. December, 2015
- Joro Consultants. (2015b). Various Wildlife Photographs Provided by Joro Consultants from Research and Field Studies. Prepared for Manitoba Floodway and East Side Road Authority.
- Joro Consultants. (2015c). Topographic Analysis of the Manitoba East Side Road Authority Project 4 Local Assessment Area. Data file prepared for Manitoba Floodway and East Side Road Authority. September, 2015
- Kobylarz, B. (2003). The effect of road type and traffic intensity on amphibian road mortality. *Murray State University Journal of Service Learning in Conservation Biology 1:* 10-15.

- Kolenosky, G.B. and Strathearn, S.M. (1987). *Black bear; in Novak, M., J.A. Baker, Obbard, M.E., and Malloch, B. Wild furbearer management and conservation in North America.* Toronto, ON: Ontario Ministry of Natural Resources
- Kopcha, M., Rook, J.S., and Hostetler, D. (2012). P. tenuis *the white-tailed deer parasite*. Retrieved from http://old.cvm.msu.edu/extension/Rook/ROOKpdf/brainwormkaren.PDF
- Kunkel, K. E. and Pletscher, D.H. (2000). Habitat factors affecting vulnerability of moose to predation by wolves in southeastern British Columbia. *Canadian Journal of Zoology 157:* 150-157.
- Langor, D.W., Cameron, E.K., MacQuarrie, C.J.K., McBeath, A., McClay, W., Peter, B., Pybus, M., Ramsfield, M., Ryall, K., Scarr, T., Yemshanov, D., DeMerchant, I., Foottit, R., and Pohl, G.R. (2014). Non-native species in Canada's boreal zone: diversity, impacts, and risk. *Environ. Rev. 22:* 372-420.
- Laurian, C., Dussault, C., Ouellet, J.-P., Courtois, R., Poulin, M. (2012). Interactions between a large herbivore and a road network. *Ecoscience 19:* 69-79.
- Leach, B.F. (1971). *50 years with Indians and settlers on Lake Winnipeg.* Retrieved from manitobia.ca/resources/books/local_histories/049.pdf
- Lees, L., Martinson, D., and Kotak, B. (2008). Assessment of frog and toad populations in the Manitoba model forest year I: May to July 2008 - model forest report 08-02-06-D. Retrieved from http://www.manitobamodelforest.net/publications/Annual%20Report(2008-09).pdf
- Lesher, C.M., Goodwin, A.M., Campbell, I.H., and Gorton, M.P. (1986). Trace-element geochemistry of ore-associated and barren, felsic metavolcanic rocks in the Superior Province, Canada. *Canadian Journal of Earth Sciences 23(2):* 222-237.
- Louisiana Pacific, Ducks Unlimited Canada, FP Innovations, SPL, Weyerhaeuser and Sustainable Forestry Initiative. (2014). *Operational guide: forest road wetland crossings: learning from field trials in the boreal plains ecozone of Manitoba and Saskatchewan.* Retrieved from http://www.ducks.ca/whatwe-do/where-work/boreal-forest/boreal-forest-wetland-resources/
- Lytwyn, V.P. (1981). The historical geography of the fur trade of the Little North and its expansion into the east Winnipeg country to 1821 master's thesis, University of Manitoba. Retrieved from http://mspace.lib.umanitoba.ca/handle/1993/3468
- Lytwyn, V.P. (1986). *The fur trade of the Little North, Indians, pedlars, and Englishmen east of Lake Winnipeg, 1760-1821.* Winnipeg, MB: Rupert's Land Research Centre University of Winnipeg
- Manitoba Avian Research Committee. (2003). *The birds of Manitoba (Manitoba Naturalists Society)*. Winnipeg, MB: Friesens Printers

- Manitoba Boreal Woodland Caribou Management Committee. (2014). *Conserving the icon of the boreal, Manitoba's Boreal Woodland Caribou* (Rangifer tarandus caribou) *recovery strategy*. Retrieved from http://www.gov.mb.ca/conservation/wildlife/sar/pdf/caribou_strategy.pdf
- Manitoba Breeding Bird Atlas. (2015). *Manitoba species at risk*. Retrieved from http://www.birdatlas.mb.ca/speciesatrisk/master.htm
- Manitoba Conservation Data Centre (MCDC). (2015). *Occurrence of species by ecoregion: Lac Seul Upland*. Retrieved from http://www.gov.mb.ca/conservation/cdc/ecoreg/lacseul.html
- Manitoba Conservation and Water Stewardship (MCWS). (2011). Action plans for Boreal Woodland Caribou ranges in Manitoba - draft. Retrieved from http://www.gov.mb.ca/conservation/wildlife/pdf/caribou_action_plan_11_29_2011.pdf
- Manitoba Conservation and Water Stewardship (MCWS). (2012a). *Manitoba Lake sturgeon management strategy.* Retrieved from: https://www.gov.mb.ca/waterstewardship/fish/pdf/mb_sturgeon_mgmt_2012.pdf
- Manitoba Conservation and Water Stewardship (MCWS). (2012b). White-tailed Deer Fact Sheet. Winnipeg, MB: Wildlife Branch
- Manitoba Conservation and Water Stewardship (MCWS). (2013a). *Manitoba forest management units*. Retrieved from http://www.gov.mb.ca/conservation/forestry/pdf/manage/ fmu_feb2013_map.pdf
- Manitoba Conservation and Water Stewardship (MCWS). (2013b). *A profile of Manitoba's commercial fishery*. Retrieved from https://www.gov.mb.ca/waterstewardship/fisheries/commercial/pdf/mb_com_fish_profile_2 013.pdf
- Manitoba Conservation and Water Stewardship. (2015a). *Species at risk*. Retrieved from http://www.gov.mb.ca/conservation/wildlife/sar/sarlist.html
- Manitoba Conservation and Water Stewardship (MCWS). (2015b). *Fish and fish habitat aquatic invasive species*. Retrieved from http://www.gov.mb.ca/waterstewardship/stopais/ais.html
- Manitoba Conservation and Water Stewardship (MCWS). (2015c). 2015 Manitoba hunting guide. Retrieved from https://www.gov.mb.ca/conservation/wildlife/hunting/pdfs/2015huntingguide.pdf
- M. Forster Enterprises. (2015). Linear Density Analyses for Moose in the Manitoba East Side Road Authority Project 4 Local and Regional Assessment Areas. Data file prepared for Manitoba East Side Road Authority. November, 2015.

- Manitoba Floodway and East Side Road Authority (MFESRA). (2011). Bloodvein Community All-Season Access Road. Report prepared as an Environmental Impact Assessment.
- Manitoba Floodway and East Side Road Authority (MFESRA). (2012). February 9, 2012 Poplar River FN Community Meeting – Poplar River School: Confirming Road Alignment – Meeting Summary. Internal memorandum.
- Manitoba Floodway and East Side Road Authority (MFESRA). (2014). Project 4 All-Season Road Connecting Berens River to Poplar River First Nation Environmental Assessment Scoping Document. Report prepared for Environmental Approvals Branch, Manitoba Conservation and Water Stewardship. November, 2014.
- Manitoba Herps Atlas. (2015). *MHA home.* Retrieved from http://www.naturenorth.com/Herps/Manitoba_Herps_Atlas.html
- Manitoba Infrastructure and Transportation. (2016). Northern airports and marine operations. Aircraft movements and passenger traffic. Retrieved from http://www.gov.mb.ca/mit/namo/air/movement.html
- Manitoba Labour and Immigration Workplace Safety and Health Division. (2006). *Code of practice for the use of explosives*. Retrieved from http://safemanitoba.com/sites/default/files/uploads/guidelines/explosivesuse.pdf
- Manitoba Metis Federation (MMF). (2011). Manitoba Metis Traditional Use and Knowledge of the Berens River Road Project Area and Assessment of Impacts. Final report prepared for Manitoba Floodway and East Side Road Authority.
- Manitoba Mineral Resources. (2013). *Bedrock geology, Manitoba map gallery, geoscientific maps.* Retrieved from http://web15.gov.mb.ca/mapgallery/mgg-gmm.html
- Manitoba Mineral Resources. (2015a). *Geological compilation of southeastern Manitoba map.* Retrieved from http://www.manitoba.ca/iem/geo/gis/geoscience.html
- Manitoba Mineral Resources. (2015b). *Integrated mining and quarrying system*. Retrieved from http://imaqs.gov.mb.ca/imaqs/page/flex/indexForQuarry.html?keepSyncToken=keepSyncToken&ts =1436389206527
- Manitoba Mineral Resources. (2015c). *Index map 2A active mineral exploration licenses*. Retrieved from http://www.manitoba.ca/iem/mines/claim/licencemap.pdf
- Manitoba Mineral Resources. (2015d). *GIS map gallery: surficial geology compilation map series*. Retrieved from http://www.gov.mb.ca/iem/geo/gis/surfgeomap.html

- Manitoba Transportation and Government Services. (2006). Rice River Road Upgrading and Extension Environmental Assessment Report. Report prepared as an Environmental Assessment.
- Manitoba Transportation and Government Services. (2005). Memo to File: Transportation modes to remote communities on the east side of Lake Winnipeg. Report prepared for the Transportation Systems Planning and Development Branch.
- Manitoba Water Stewardship. (2011). *Manitoba water quality standards, objectives and guidelines*. Retrieved from http://www.gov.mb.ca/waterstewardship/water_quality/quality/pdf/mb_water_quality_standard_f inal.pdf
- McGregor, R.V., Hassan, M., and Hayley, D. (2008). *Climate change impacts and adaptation: case studies of roads in Northern Canada (EBA Engineering Consultants Ltd.)*. Retrieved from http://conf.tac-atc.ca/english/resourcecentre/readingroom/conference/conf2008/docs/a1/mcgregor.pdf
- McMahon, R.F. (1991). *Mollusca: bivalvia, pages 315-399 in Thorp, J.H. and A.P. Covich, editors. Ecology and classification of North American freshwater invertebrates.* San Diego, CA: Academic Press
- Meteoblue. (2015a). *Climate Berens River airport*. Retrieved from https://www.meteoblue.com/en/weather/forecast/modelclimate/berens-riverairport_canada_6301444
- Meteoblue. (2015b). *Climate Poplar River airport*. Retrieved from https://www.meteoblue.com/en/weather/forecast/modelclimate/poplar-riverairport_canada_8299200
- National Energy Board. (2013). *Canada's energy future 2013. Energy supply and demand projections to 2035. An energy market assessment November 2013.* Retrieved from https://www.neb-one.gc.ca/nrg/ntgrtd/ftr/2013/2013nrgftr-eng.pdf
- Natural Resources Canada. (2013a). *Seismic zones in western Canada*. Retrieved from http://earthquakescanada.nrcan.gc.ca/zones/westcan-eng.php
- Natural Resources Canada. (2013b). *Simplified seismic hazard map for Canada*. Retrieved from http://www.earthquakescanada.nrcan.gc.ca/hazard-alea/simphaz-eng.php
- Natural Resources Canada. (2014). *Fire ecology*. Retrieved from http://www.nrcan.gc.ca/forests/fire/13149

- Nicholson, K. (2007). A history of Manitoba's commercial fishery 1872 2005. Manitoba historic resources branch, economic history theme study. Retrieved from https://www.gov.mb.ca/chc/hrb/internal_reports/pdfs/Fishery_MB_Commercial.pdf
- Norquay, K.J.O., Martinez-Nunez, F., Dubois, J.E., Monson, K.M., and Willis, C.K.R. (2013). Long-distance movements of little brown bats (*Myotis lucifugus*). *Journal of Mammalogy 94(2):* 506-515.
- North American Bear Centre. (2015). *Seven-year-old mother with cubs in a den under a fallen tree.* Retrieved from http://www.bear.org
- Northern Lights Heritage Services (NLHS). (2000). Ecoregion 90: Traditional land use and occupancy study. Report prepared for Poplar River, Little Grand Rapids and Pauingassi First Nations.
- Northern Lights Heritage Services (NLHS). (2013a). Manitoba Floodway and East Side Road Authority 2012 Archaeological Field Investigations of the Poplar River All Season Road, Heritage Permit A60-12. Report prepared for Manitoba Floodway and East Side Road Authority. January, 2013.
- Northern Lights Heritage Services (NLHS). (2013b). Heritage Resources Impact Assessment of the P7A All-Season Road Linking Pauingassi to Little Grand Rapids. Report prepared for Manitoba Floodway and East Side Road Authority.
- North/South Consultants Inc. (2010). East Side Road Authority PR304 to Berens River All-Season Road. Fish Habitat Data Collection Field Inventory, Impact Analysis, and Potential Habitat Compensation Version 3.0. Report prepared for Manitoba East Side Road Authority. October, 2010.
- North/South Consultants Inc. (2014). East Side Road Authority Project 7a: Little Grand Rapids First Nation to Pauingassi First Nation All Season Road. Aquatic Environment Report. Report prepared for Manitoba East Side Road Authority. August, 2014.
- North/South Consultants Inc. (2015). East Side Road Authority Project 4: Berens River First Nation to Poplar River First Nation All Season Road Aquatic Environment Report. Report prepared for Manitoba East Side Road Authority. August, 2015.

Northway Aviation. (2015). Website home. Retrieved from http://www.northwayav.com/

- Pearse, T.D. (2011). Review of the Proposed East Side Road Environmental Impact Assessment. Report prepared for the Manitoba Metis Federation regarding the East Side Road Authority P1 Project. January, 2011.
- Percival, J.A. (2007). Geology and metallogeny of the Superior Province. In: Mineral deposits of Canada: a synthesis of major deposit-types, district metallogeny, the evolution of geological provinces, and

exploration methods; by Goodfellow, W.D. (ed.). *Geological Association of Canada, Mineral Deposits Division, Special Publication no. 5, 2007:* 903-928.

Pimachiowin Aki Corporation. (2014). *Pimachiowin Aki – world heritage project annual report*. Retrieved from

http://www.pimachiowinaki.org/sites/default/files/docs/Pim_Aki_Annual_Report_2014_tk102.pdf

- Pimachiowin Aki Corporation. (2015). *World heritage project.* Retrieved from http://www.pimachiowinaki.org/our-news
- Poplar River First Nation. (2011). *Asatiwisipe Aki management plan final draft*. Retrieved from https://www.gov.mb.ca/conservation/lands_branch/pdf/pfrn_management_plan_18may2011.pdf
- Public Works and Government Services Canada. (2001). Comprehensive Study Report of the proposed New Airport and Road between St. Teresa Point and Wasagamack Island Lake, Manitoba. Report prepared for Indian and Northern Affairs Canada. October, 2001.
- Reid, F.A. (2006). *A field guide to the mammals of North America*. New York, NY: Houghton Mifflin Harcourt
- Renecker, L.A. and Schwartz, C.C. (1998). *Food habits and feeding behaviour in ecology and management of the North American moose.* Washington, USA: Smithsonian Institution Press
- Rettie, W.J. and Messier, F. (2001). Range use and movement rates of woodland caribou in Saskatchewan. *Canadian Journal of Zoology 79:* 1933-1940.
- Riverton Transport. (2015). *Services.* Retrieved from http://www.rivertontransport.com/en/services.html
- RWDI Consulting Engineers & Scientists. (2015). Final Report: Blasting Noise and Vibration Guidance. Report prepared for Manitoba East Side Road Authority. March, 2015
- Schaefer, J.A., Bergman, C.M., and S.N. Luttich. (2000). Site fidelity of female caribou at multiple spatial scales. *Landscape Ecology* 15: 731-739.
- Sigfusson, S. (1992). Sigfusson's roads. Winnipeg, MB: Watson and Dwyer.
- Smith, R.E., Veldhuis, H., Mills, G.F., Eilers, R.G., Fraser, W.R. and Lelyk, G.W. (1998). Terrestrial Ecozones, Ecoregions and Ecodistricts of Manitoba: an ecological stratification of Manitoba's natural landscapes. Research branch technical bulletin 1998-9E. Retrieved from http://sis.agr.gc.ca/cansis/publications/ecostrat/provDescriptions/mbteee/mbteee_report.pdf

- Spellerberg, I.F. (1998). Ecological effects of roads and traffic: a literature review. *Global Ecology and Biogeography Letters 7(5):* 317-333.
- SNC-Lavalin, J.D. Mollard and Associates, and AECOM. (2009). PR 304 to Berens River All-Season Road Environmental Impact Assessment.
- SNC-Lavalin, J.D. Mollard and Associates, and AECOM. (2010a). East Side of Lake Winnipeg Large Area
 Transportation Network Study. Vol. 1: Baseline Information and Potential Route Network Options.
 Report prepared for Manitoba East Side Road Authority. August, 2010.
- SNC-Lavalin, J.D. Mollard and Associates, and AECOM. (2010b). East Side of Lake Winnipeg Large Area Transportation Network Study. Vol. 2: Initial Stakeholder Engagement. Report prepared for Manitoba East Side Road Authority. August, 2010.
- SNC-Lavalin, J.D. Mollard and Associates, and AECOM. (2010c). East Side of Lake Winnipeg Large Area Transportation Network Study. Vol. 3: Evaluation of All-Season Road Network Options. Report prepared for Manitoba East Side Road Authority. August, 2010.
- SNC-Lavalin, J.D. Mollard and Associates, and AECOM. (2010d). East Side of Lake Winnipeg Large Area Transportation Network Study. Vol. 4: Second Stakeholder Engagement on Preferred Route Networks. Report prepared for Manitoba East Side Road Authority. November, 2010.
- SNC-Lavalin, J.D. Mollard and Associates, and AECOM. (2011a). East Side of Lake Winnipeg Large Area Transportation Network Study. Volume 5: Transportation Development Plan for Preferred ASR Network. Report prepared for Manitoba East Side Road Authority. January, 2011.
- SNC-Lavalin, J.D. Mollard and Associates, and AECOM. (2011b). East Side of Lake Winnipeg Large Area Transportation Network Study. Final Report. Report prepared for Manitoba East Side Road Authority. March, 2011.
- SNC-Lavalin. (2011c). PR 304 to Berens River All-Season Road Alignment Focused Trappers-Wildlife Activity Survey.
- Southeast Resource Development Council Corp (SERDC). (2015). *Poplar River First Nation*. Retrieved from http://www.serdc.mb.ca/communities/poplar-river
- Species at Risk Public Registry (SARA). (2015). *A to Z species index*. Retrieved from http://www.sararegistry.gc.ca/sar/index/default_e.cfm

- Statistics Canada. (2006a). Census profile Berens River 13 in 2006. Retrieved from http://www12.statcan.ca/census-recensement/2006/dp-pd/prof/92-591/details/page.cfm?Lang=E&Geo1=CSD&Code1=4619077&Geo2=PR&Code2=46&Data=Count&Se archText=berens%20river&SearchType=Begins&SearchPR=01&B1=All&Custom=
- Statistics Canada. (2006b). Census profile Poplar River 16 in 2006. Retrieved from http://www12.statcan.ca/census-recensement/2006/dp-pd/prof/92-591/details/page.cfm?Lang=E&Geo1=CSD&Code1=4619077&Geo2=PR&Code2=46&Data=Count&Se archText=berens%20river&SearchType=Begins&SearchPR=01&B1=All&Custom=
- Statistics Canada. (2011a). NHS Aboriginal population profile, Pauingassi First Nation, IRI, Manitoba, 2011. Retrieved from http://www12.statcan.gc.ca/nhs-enm/2011/dppd/aprof/details/page.cfm?Lang=E&Geo1=CSD&Code1=4619079&Data=Count&SearchText=Pauinga ssi%20First%20Nation&SearchType=Begins&SearchPR=01&A1=All&B1=All&GeoLevel=PR&GeoCode =4619079&TABID=1
- Statistics Canada. (2011b). Census profile Berens River 13 in 2011. Retrieved from http://www12.statcan.gc.ca/census-recensement/2011/dppd/prof/details/page.cfm?Lang=E&Geo1=CSD&Code1=4619077&Geo2=PR&Code2=01&Data=Count &SearchText=berens%20river&SearchType=Begins&SearchPR=01&B1=All&Custom=&TABID=1
- Statistics Canada. (2011c). Census profile Poplar River 16 in 2011. Retrieved from http://www12.statcan.gc.ca/census-recensement/2011/dppd/prof/details/page.cfm?Lang=E&Geo1=CSD&Code1=4619075&Geo2=PR&Code2=01&Data=Count &SearchText=poplar%20river&SearchType=Begins&SearchPR=01&B1=All&Custom=&TABID=1
- Stein, J.T. (2000). The effects of roads on wolves and bears worldwide: from extermination to reintroduction: a snapshot of North American large carnivore conservation at the millennium (unpublished master's thesis). New Haven, CT: Yale School of Forestry and Environmental Studies
- Steinbring, J.H. (1980). *An introduction to archaeology on the Winnipeg River*. Winnipeg, MB: Historic Resources Branch, Manitoba Culture, Affairs and Historic Resources
- Stewart, A., Komers, P.E., and Bender, D.J. (2010). assessing landscape relationships for habitat generalists. *Ecoscience* 17: 28–36.
- Stewart, K.W. and Watkinson, D.A. (2004). *The freshwater fishes of Manitoba*. Winnipeg, MB: University of Manitoba Press
- Stocks, B.J., Mason, J.A., Todd, J.B., Bosch, E.M., Wotton, B.M., Amiro, B.D., Flannigan, M.D., Hirsch, K.D., Logan, K.A., Martell, D.L., and Skinner, W.R. (2003). Large forest fires in Canada, 1959-1997.
 Geophysical Research 108: 5-1 5-12.

- Szwaluk Environmental Consulting Ltd., Newman, K. and Calyx Consulting. (2015a). Vegetation Characterization and Effects Assessment of the Proposed Berens River to Poplar River First Nation All-Season Road Project 4. Report prepared for Manitoba East Side Road Authority.
- Szwaluk Environmental Consulting Ltd., Newman, K. and Calyx Consulting. (2015b). Botanical and Vegetation Resource Survey of the Proposed Berens River to Poplar River First Nation All-Season Road Project 4: Field Report. Prepared for Manitoba East Side Road Authority. September, 2015.
- Taylor, S., Stow, N., Hasler, C., and Robinson, K. (2014). Lessons learned: Terry Fox drive wildlife guide system intended to reduce road kills and aid the conservation of Blanding's turtle (Emydoidea blandingii). Retrieved from http://conf.tac-atc.ca/english/annualconference/tac2014/s-29/taylor.pdf
- Toronto Zoo. (2015). *Turtle island, turtle crossing signs*. Retrieved from http://www.torontozoo.com/conservation/tic.asp?pg=TurtleCrossing
- U.S. Environmental Protection Agency. (2013). *Fast facts: U.S. transportation sector greehouse gas emissions 1990-2011. EPA-420-F-13-033a.* Retrieved from http://www3.epa.gov/otaq/climate/documents/420f13033a.pdf
- Van Langevelde, F. and Jaarsma, C.F. (2009). Modeling the effect of traffic calming on local animal population persistence. *Ecology and Society* 14(2): 39.
- Wasel, S.M., Samuel, W.M., and Crichton, V. (2003). Distribution and ecology of meningeal worm, *Parelaphostrongylus tenuis* (Nematoda), in northcentral North America. *Journal of Wildlife Diseases 39:* 338-346.
- Wasser, S.K., Keim, J.L., Taper, M.L., and Lele, S.R. (2011). The influences of wolf predation, habitat loss, and human activity on caribou and moose in the Alberta oil sands. *Frontiers in Ecology and the Environment 9:* 546–551.
- Watson, E. T. (2000). Distribution and life history of the Unionidae (Bivalvia: Mollusca) in the Assiniboine River drainage in Manitoba, with special reference to Anodontoides ferussacianus – master's thesis, University of Manitoba. Retrieved from https://www.researchgate.net/publication/35978619_Distribution_and_life_history_of_the_Unioni dae_Bivalvia_Mollusca_in_the_Assiniboine_River_drainage_in_Manitoba_with_special_reference_t o_Anodontoides_ferussacianus_microform
- Weber, M.G. and Stocks, B.J. (1998). Forest fires and the sustainability in the boreal forests of Canada. *B.J. Ambio 27(7):* 545-550.

Wikimedia Commons. (2015). *Various wildlife photographs*. Retrieved from https://commons.wikimedia.org

- Wright, D.G., and Hopky, G.E. (1998). Guidelines for the use of explosives in or near Canadian fisheries waters. Retrieved from http://www.dfo-mpo.gc.ca/Library/232046.pdf
- Zeilig, M. (2012). *Residential school survivors learn to heal at Manitoba Lake*. Retrieved from http://www.theglobeandmail.com/news/national/learning-to-heal-at-a-manitoba-lake/article4189832/

16.2 Personal Communications

Durocher, Bob. (2016). Personal communication, January 2016.

- Manitoba Conservation and Water Stewardship (MCWS). (2015a). Email from Kevin Jacobs (MCWS) to Darrel Ouimet (MCWS), Jan. 9, 2015 regarding water quality: EAP review and comments E. Side Road ASR for Berens R. to Poplar R. File: 5747.00.
- Manitoba Conservation and Water Stewardship (MCWS). (2015b). Email from Muntaseer Ibn Azkar (MCWS) to Darrel Ouimet (MCWS), Jan. 8, 2015 regarding air quality: All Season Road from Berens River to Poplar River First Nation (File: 5747.00).

Matthewson, C. (2016). CWS Forester. Personal communication, January 2016.

Smyrski, T. (2015). Southern Winter Road Program Manager. Manitoba Infrastructure and Transportation, Engineering and Operations Division, Highway Regional Operations, Region 1 -Eastern (Steinbach). Telephone conversation September 11, 2015.

Szwaluk, K. (2015). Personal communication, September 10, 2015.

LeClaire, M. (2015). M.Sc. Candidate, University of Manitoba. Personal communication, October 22, 2015.