

IWWR Publications List (Updated December 31, 2020)

Abraham, K. F., Jefferies, R. L., & Rockwell, R. F. (2005). Goose-induced changes in vegetation and land cover between 1976 and 1997 in an Arctic coastal marsh. *Arctic, Antarctic and Alpine Research*, 37, 269-275.

Abraham, K. F., Leafloor, J. O., & Rusch, D. H. (1999). Molt migrant Canada geese in northern Ontario and western James Bay. *Journal of Wildlife Management*, 63, 649-655.

Ackerman, J. (2007). *Phosphorus dynamics in the Netley-Libau Marsh*. Thesis, University of Manitoba, Winnipeg, Canada.

Afton, A. D. & Anderson, M. G. (2001). Declining scaup populations: a retrospective analysis of long-term population and harvest survey data. *Journal of Wildlife Management*, 65, 781-796.

Ali, G., Hague, A., Basu, N.B., and P. Badiou. (2017). Groudwater-driven wetland-stream connectivity in the Prairie Pothole Region: inferences based on electrical conductivity data. *Wetlands*, 37, 773-785.

Alisauskas, R. T., Drake, K. L., Slattery, S. M., & Kellett, D. K. (2006). Neckbands, harvest, and survival of Ross's geese from Canada's central Arctic. *Journal of Wildlife Management*, 70, 89-100.

Alisauskas, R. T., Slattery, S. M., Ryder, J. P., Gloutney, M. L., Afton, A. D., Kerbes, R. H. et al. (1998). Discrimination of Ross's and lesser snow goose eggs. *Journal of Field Ornithology*, 69, 647-653.

Alisauskas, R. T., Traylor, J. J., Swoboda, C. J., & Kehoe, F. P. (2004). Components of population growth rate for white-winged scoters in Saskatchewan, Canada. *Animal Biodiversity and Conservation*, 27, 451-460.

Alvo, R. & Oldham, M. J. (2000). A review of the status of Canada's amphibian and reptile species: a comparison of three ranking systems. *Canadian Field Naturalist*, 114, 520-540.

Aminian, P. (2015). *Hydrodynamic modelling of Delta Marsh and simplified methods of discharge estimation for discontinuous inland coastal wetlands*. Thesis, University of Manitoba, Winnipeg, Canada.

Amyot, M., Beauvais, C., Caron, S., Constant, P., DeGrosBois, S., Gabrovskva, D. et al. (2004). The St. Lawrence River case study: linking Hg biogeochemistry, health and environmental education. *RMZ: Materials and Geoenvironment*, 51, 774-776.

Anderson, M.G., Alisauskas, R.T., Batt, B.D.J., Blohm, R.J., Higgins, K.F., Perry, M.C., Ringelman, J.K., Sedinger, J.S., Serie, J.R., Sharp, D.E., Trauger, D.L., & Williams, C.K. (2018). The Migratory Bird Treaty and a century of waterfowl conservation. *Journal of Wildlife Management*, 82, 247-259.

Anderson, M. G., Eadie, J. M., Huang, M. T., Johnson, R., Koneff, M. D., Ringleman, J. K. et al. (2006). Harvest potential and habitat are inextricably linked. In J. Rahm (Ed.), *Natural resources conservation...The other homeland security* (pp. 275-289). Washington, DC, USA: Wildlife Management Institute.

Anderson, M. G., Emery, R. B., & Arnold, T. W. (1997). Reproductive success and female survival affect local population density of canvasbacks. *Journal of Wildlife Management*, 61, 1174-1191.

Anderson, M. G., Fowler, R. B., & Nelson, J. W. (1995). Northern grassland conservation and the Prairie Joint Venture. In K. G. Wadsworth & R. E. McCabe (Eds.), *Balancing social, professional and conservation responsibilities* (pp. 404-412). Washington, DC, USA: Wildlife Management Institute.

Anderson, M. G., Lindberg, M. S., & Emery, R. B. (2001). Probability of survival and breeding for juvenile female canvasbacks. *Journal of Wildlife Management*, 65, 403-415.

Anderson, M.G. & Padding, P.I. (2015). The North American approach to waterfowl management: synergy of hunting and habitat conservation. *International Journal of Environmental Studies*, 72, 810-829.

Anderson, M. G., Rhymer, J. R., & Rohwer, F. C. (1992). Philopatry, dispersal and the genetic structure of waterfowl populations. In B.D.J.Batt, A. D. Afton, M. G. Anderson, C. D. Ankney, D. H. Johnson, J. A. Kadlec, & G. L. Krapu (Eds.), *Ecology and management of breeding waterfowl* (pp. 365-395). Minneapolis, USA: University of Minnesota Press.

Anderson, M. G. & Sorenson, L. G. (2001). Global climate change and waterfowl: adaptation in the face of uncertainty. In J. Rahm & R. McCabe (Eds.), *Changing climates of North America: political, social and ecological* (pp. 300-319). Washington, DC, USA: Wildlife Management Institute.

Anderson, M. G. & Titman, R. D. (1992). Spacing patterns. In B.D.J.Batt, A. D. Afton, M. G. Anderson, C. D. Ankney, D. H. Johnson, J. A. Kadlec, & G. L. Krapu (Eds.), *Ecology and management of breeding waterfowl* (pp. 251-289). Minneapolis, USA: University of Minnesota Press.

Anteau, M. J. (2002). *Nutrient reserves of lesser scaup during migration in the Mississippi flyway: a test of the spring condition hypothesis*. Thesis, Louisiana State University, Baton Rouge, USA.

Anteau, M. J. (2006). *Ecology of lesser scaup and amphipods in the upper-midwest scope and mechanisms of the spring condition hypothesis and implications for migration habitat conservation*. Dissertation, Louisiana State University, Baton Rouge, USA.

Anteau, M. J. & Afton, A. D. (2004). Nutrient reserves of lesser scaup (*Aythya affinis*) during spring migration in the Mississippi Flyway: a test of the spring condition hypothesis. *Auk*, *121*, 917-929.

Anteau, M. J. & Afton, A. D. (2006). Diet shifts of lesser scaup are consistent with the spring condition hypothesis. *Canadian Journal of Zoology*, *84*, 779-786.

Anteau, M. J. & Afton, A. D. (2008). Using plasma-lipid metabolites to index changes in lipid reserves of free-living lesser scaup. *Auk*, *125*, 354-357.

Anteau, M. J. & Afton, A. D. (2008). Diets of lesser scaup during spring migration throughout the upper-Midwest are consistent with the spring condition hypothesis. *Waterbirds*, *31*, 97-106.

Anteau, M. J., Anteau, A. C. E., & Afton, A. D. (2011). Testing competing hypotheses for chronology and intensity of lesser scaup molt during winter and spring migration. *Condor*, *113*, 298-305.

Aquirre, A. A. (1991). *Seroepidemiology of wildlife diseases in Mexico and experimental arbovirus infection of waterfowl*. Dissertation, Colorado State University, Fort Collins, USA.

Arnold, T. W., Anderson, M. G., Emery, R. B., Sorenson, M. D., & de Sobrino, C. N. (1995). The effect of late-incubation body mass on reproductive success of canvasbacks and redheads. *Condor*, *97*, 953-962.

Arnold, T. W., Anderson, M. G., Sorenson, M. D., & Emery, R. B. (2002). Survival and philopatry of female redheads breeding in southwestern Manitoba. *Journal of Wildlife Management*, *66*, 162-169.

Arnold, T. W. & Clark, R. G. (1996). Survival and philopatry of female dabbling ducks in southcentral Saskatchewan. *Journal of Wildlife Management*, *60*, 560-568.

Arnold, T. W., Craig-Moore, L. M., Armstrong, L. M., Howerter, D. W., Devries, J. H., Joynt, B. L. et al. (2007). Waterfowl use of dense nesting cover in the Canadian Prairie Parklands. *Journal of Wildlife Management*, *71*, 2542-2549.

Arnold, T. W., Devries, J. H., & Howerter, D. W. (2010). Factors that affect reneesting in mallards (*Anas platyrhynchos*). *Auk*, *127*, 212-221.

Arnold, T. W. & Howerter, D. W. (2012). Effects of radiotransmitters and breeding effort on harvest and survival rates of female mallards. *Wildlife Society Bulletin*, *36*, 286-290.

Arnold, T. W., Howerter, D. W., Devries, J. H., Joynt, B. L., Emery, R. B., & Anderson, M. G. (2002). Continuous laying and clutch-size limitation in mallards. *Auk*, *119*, 261-266.

Arnold, T. W., Pagano, A. M., Devries, J. H., Emery, R. B., Howerter, D. W., & Joynt, B. L. (2008). Social indices of breeding productivity in Parkland mallards. *Journal of Wildlife Management*, *72*, 224-230.

Arnold, T. W., Roche, E. A., Devries, J. H., & Howerter, D. W. (2012). Costs of reproduction in breeding female mallards: predation risk during incubation drives annual mortality. *Avian Conservation and Ecology*, *7*, 1.

Arnold, T. W., Shizuka, D., Lyon, B. E., Pelayo, J. T., Mehl, K. R., Traylor, J. J. et al. (2011). Use of nape tags for marking offspring of precocial waterbirds. *Waterbirds*, *34*, 312-318.

Arnold, T. W., Sorenson, M. D., & Rotella, J. J. (1993). Relative success of overwater and upland mallard nests in southwestern Manitoba. *Journal of Wildlife Management*, *57*, 578-581.

Ashley, P., Hobson, K. A., van Wilgenburg, S. L., North, N., & Petrie, S. A. (2010). Linking Canadian harvested juvenile American black ducks to their natal areas using stable isotope (dd, d13c, and d15n) methods. *Avian Conservation and Ecology*, *5*, 7.

Austin, J., Slattery, S., & Clark, R.G. (2014). Waterfowl populations of conservation concern: Learning from diverse challenges, models and conservation strategies. *Wildfowl, Special Issue 4*, 470-497.

Austin, J. E., Afton, A. D., Anderson, M. G., Clark, R. G., Custer, C. M., Lawrence, J. S. et al. (1999). Declines of greater and lesser scaup populations: issues, hypotheses and research directions. In Jamestown, USA: U.S. Department of the Interior.

Badiou, P. (2012). Protect first, restore later: why wetland triage might put rehab on hold. *Water Canada*, *12*, 34-35.

Badiou, P., Goldsborough, L. G., & Wrubleski, D. (2011). Impacts of common carp (*Cyprinus carpio*) on freshwater ecosystems: a review. In J.D.Sanders & S. B. Peterson (Eds.), *Carp: habitat, management and diseases* (pp. 121-146). New York, USA: Nova Science Publishers.

Badiou, P., McDougal, R., Pennock, D., & Clark, B. (2011). Greenhouse gas emissions and carbon sequestration potential in restored wetlands of the Canadian Prairie Pothole Region. *Wetlands Ecology and Management*, *19*, 237-256.

Badiou, P., Page, B., & Akinremi, W. (2018). Phosphorus retention in intact and drained prairie wetland basins: Implications for nutrient export. *Journal of Environmental Quality*, *47*, 902-913.

Badiou, P., Page, B., & Ross, L. (2019). A comparison of water quality and greenhouse gas emissions in constructed wetlands and conventional retention basins with and without submerged macrophyte management for storm water regulation. *Ecological Engineering*, 127, 292-301.

Badiou, P. H. J. (2005). *Ecological impacts of an exotic benthivorous fish in wetlands: a comparison between common carp (Cyprinus carpio L.) additions in large experimental wetlands and small mesocosms in Delta Marsh, Manitoba*. Dissertation, University of Manitoba, Winnipeg, Canada.

Badiou, P. H. J. & Goldsborough, L. G. (2006). Northern expansion and invasion by the common carp, *Cyprinus carpio*, of the Churchill River system in Manitoba. *Canadian Field Naturalist*, 120, 83-86.

Badiou, P. H. J. & Goldsborough, L. G. (2010). Ecological impacts of an exotic benthivorous fish in large experimental wetlands, Delta Marsh, Canada. *Wetlands*, 30, 657-667.

Badiou, P.H.J. & Goldsborough, L.G. (2015). Ecological impacts of an exotic benthivorous fish, the common carp (*Cyprinus carpio* L.), on water quality, sedimentation, and submerged macrophyte biomass in wetland mesocosms. *Hydrobiologia*, 755, 107-121.

Badzinski, S. S. (2003). Dominance relations and agonistic behaviour of tundra swans (*Cygnus columbianus columbianus*) during fall and spring migration. *Canadian Journal of Zoology*, 81, 727-733.

Badzinski, S. S. (2003). *Influence of tundra swans on aquatic vegetation and staging waterfowl at Long Point, Ontario*. Dissertation, University of Western Ontario, London, Canada.

Badzinski, S. S. (2005). Social influences on tundra swan activities during migration. *Waterbirds*, 28, 316-325.

Badzinski, S. S., Ankney, C. D., & Petrie, S. A. (2006). Influence of migrant tundra swans (*Cygnus columbianus*) and Canada geese (*Branta canadensis*) on aquatic vegetation at Long Point, Lake Erie, Ontario. *Hydrobiologia*, 567, 195-211.

Badzinski, S. S. & Petrie, S. A. (2006). Lesser scaup spring nutrient reserve dynamics on the lower Great Lakes. *Wildlife Society Bulletin*, 34, 395-407.

Baldwin, F. B. (2006). *Factors influencing nest survival of cackling geese: the role of heterospecific geese*. Thesis, University of Saskatchewan, Saskatoon, Canada.

Baldwin, F. B., Alisauskas, R. T., & Leafloor, J. O. (2011). Nest survival and density of cackling geese (*Branta hutchinsii*) inside and outside a Ross's goose (*Chen rossii*) colony. *Auk*, 128, 404-414.

Baldwin, J. R. (1993). *Foraging ecology and movements of waterfowl in the Fraser River delta, British Columbia, and Puget trough*. Thesis, University of Wyoming, Laramie, USA.

Baldwin, J. R. & Lovvorn, J. R. (1992). Populations, diet, food availability and food requirements of dabbling ducks in Boundary Bay. In R.W.Butler (Ed.), *Abundance, distribution, and conservation of birds in the vicinity of Boundary Bay, British Columbia* (pp. 42-69). Ottawa, Canada: Canadian Wildlife Service.

Baldwin, J. R. & Lovvorn, J. R. (1994). Habitats and tidal accessibility of the marine foods of dabbling ducks and brant in Boundary Bay, British Columbia. *Marine Biology*, 120, 627-638.

Baldwin, J. R. & Lovvorn, J. R. (1994). Expansion of seagrass habitat by the exotic *Zostera japonica*, and its use by dabbling ducks and brant in Boundary Bay, British Columbia. *Marine Ecology Progress Series*, 103, 119-127.

Ballard, B. M., Thompson, J. E., Petrie, M. J., Checkett, J. M., & Hewitt, D. G. (2004). Diet and nutrition of northern pintails wintering along the southern coast of Texas. *Journal of Wildlife Management*, 68, 371-382.

Barker, N. 2015. *Modelling waterfowl abundance and distribution to inform conservation planning in Canada*. Dissertation, Université Laval, Québec, Québec, Canada.

Barker, N.K.S., Cumming, S.G., & Darveau, M. (2014). Models to predict the distribution and abundance of breeding ducks in Canada. *Avian Conservation & Ecology*, 9, 2.

Barker, N.K.S., Slattery, S.M., Darveau, M., & Cumming, S.G. (2014). Modeling distribution and abundance of multiple species: Different pooling strategies produce similar results. *Ecosphere*, 5, 158.

Barney, E. S. (2008). *Change in availability and nutritional quality of post-harvest waste corn on waterfowl staging areas near Long Point, Ontario*. Thesis, University of Western Ontario, London, Canada.

Barras, S. C. (1993). *Experiments on prebasic molt and acorn selection by captive female wood ducks*. Thesis, Mississippi State University, Mississippi State, USA.

Barras, S. C., Kaminski, R. M., & Brennan, L. A. (1996). Acorn selection by female wood ducks. *Journal of Wildlife Management*, 60, 592-602.

Baschuk, M. S. (2010). *Effects of water-level management on the abundance and habitat use of waterfowl and marsh birds in the Saskatchewan River delta, Manitoba, Canada*. Thesis, University of Manitoba, Winnipeg, Canada.

Baschuk, M.S., Ervin, M.D., Clark, W.R., Armstrong, L.M., Wrubleski, D.A., & Goldsborough, G.L. (2012). Using satellite imagery to assess macrophyte response to water-level manipulations in the Saskatchewan River delta, Manitoba. *Wetlands* 32, 1091-1102.

Baschuk, M. S., Koper, N., Wrubleski, D. A., & Goldsborough, G. (2012). Effects of water depth, cover and food resources on habitat use of marsh birds and waterfowl in boreal wetlands of Manitoba. *Waterbirds*, 35, 44-55.

Batt, B. D. J., Afton, A. D., Anderson, M. G., Ankney, C. D., Johnson, D. H., Kadlec, J. A. et al. (1992). *Ecology and management of breeding waterfowl*. Minneapolis, USA: University of Minnesota Press.

Batt, B. D. J. (1996). Conservation of prairie wetlands. In F.B.Samson & F. L. Knopf (Eds.), *Prairie conservation: preserving North America's most endangered ecosystem* (pp. 77-88). Washington, DC, USA: Island Press.

Batt, B. D. J. (2000). The Delta Marsh. In H.R.Murkin, A. G. van der Valk, & W. R. Clark (Eds.), *Prairie wetland ecology: the contributions of the marsh ecology research program* (pp. 17-33). Ames, USA: Iowa State University Press.

Beaman, B.C. (2016). *Implications of climate change for land use and waterfowl productivity in prairie Canada*. Thesis, University of Wyoming, Laramie, Wyoming, USA.

Berard, G., Applin, D., Cloutis, E., Stromberg, J., Sharma, R., Mann, P., Grasby, S., Bezys, R., Horgan, B., Londry, K., Rice, M., Last, B., Last, F., Badiou, P., Goldsborough, G., & Bell III, J. (2013). A hypersaline analogue in Manitoba, Canada for potential ancient spring deposits on Mars. *Icarus*, 224, 399-412.

Bergmann, P. J. (1992). *Movements, survival, and habitat use of mallard broods hatched from predator reduced nesting habitats in eastern South Dakota*. Thesis, South Dakota State University, Brookings, USA.

Bergmann, P. J. & Flaske, L. D. (1994). Influence of brood rearing on female mallard survival and effects of harness-type transmitters. *Journal of Field Ornithology*, 65, 151-159.

Bidwell, M.T., Green, A.J., & Clark, R.G. (2014). Random placement models predict species-area relationships in duck communities despite species aggregation. *Oikos*, 123, 1499-1508.

Bildstein, K. L., Bancroft, G. T., Dugan, P. J., Gordon, D. H., Erwin, R. M., Nol, E. et al. (1991). Approaches to the conservation of coastal wetlands in the western hemisphere. *Wilson Bulletin*, 103, 218-254.

Bloom, P. M. (2010). *Mallard duckling survival and habitat selection in the Canadian prairie pothole region*. Thesis, University of Saskatchewan, Saskatoon, Canada.

Bloom, P. M., Clark, R. G., Howerter, D. W., & Armstrong, L. M. (2012). Landscape-level correlates of mallard duckling survival: implications for conservation programs. *Journal of Wildlife Management*, 76, 813-823.

Bloom, P. M., Howerter, D. W., Devries, J. H., Armstrong, L. M., & Clark, R. G. (2012). Radiomarking brood-rearing mallard females: implications for juvenile survival. *Wildlife Society Bulletin*, 36, 582-586.

Bloom, P.M., Clark, R.G., Howerter, D.W., & Armstrong, L.M. (2013) Multi-scale habitat selection affects offspring survival in precocial species. *Oecologia* 173, 1249-1259.

Bloom, P.M., Howerter, D.W., Emery, R.B., & Armstrong, L.M. (2013). Relationships between grazing and waterfowl production in the Canadian prairies. *Journal of Wildlife Management*, 77, 534-544.

Boe, A., Bortnem, R., Higgins, K. F., Kruse, A. D., Kephart, K. D., & Selman, S. (1998). *Breeding yellow-flowered alfalfa for combined wildlife habitat and forage purposes* (Rep. No. 727). Brookings, USA: South Dakota State University.

Bollinger, T.K., Evelsizer, D.D., Dufour, K.W., Soos, C., Clark, R.G., Wobeser, G. et al. (2011). *Ecology and management of avian botulism on the Canadian prairies*. Prairie Habitat Joint Venture.

Bortolotti, L.E. (2016). *Biological communities and ecosystem function in restored and natural prairie wetlands*. Dissertation, University of Alberta, University of Alberta, Edmonton, Alberta, Canada.

Bortolotti, L.E., St. Louis, V.L., Vinbrooke, R.D. & Wolfe, A.P. (2019). Drivers of ecosystem metabolism in restored and natural prairie wetlands. *Canadian Journal of Fisheries and Aquatic Sciences*, 76, 2396-2407.

Bortolotti, L.E., St. Louis, V.L., Vinebrooke, R.D., & Wolfe, A.P. (2016). Net ecosystem production and carbon greenhouse gas fluxes in three prairie wetlands. *Ecosystems*, 19, 411-425.

Bortolotti, L.E., Vinebrooke, R.D., & St. Louis, V. (2016). Prairie wetland communities recover at different rates following hydrological restoration. *Freshwater Biology*, 61, 1874-1890.

Bortoluzzi, T.L. (2013). *Spatial and temporal patterns in the hydrology, water chemistry and algal nutrient status of a coastal freshwater marsh, Delta Marsh, as influenced by the hydrology of adjoining Lake Manitoba, located in south-central Manitoba, Canada*. Dissertation, University of Manitoba, Winnipeg, Manitoba, Canada.

Brady, C. M. (2009). *Effects of dietary selenium on the health and survival of wintering lesser scaup*. Thesis, University of Western Ontario, London, Canada.

Brasher, M. (2000). *Sociability of male mallards and an evaluation of indicated breeding pair criteria to estimate mallard breeding populations*. Thesis, Mississippi State University, Mississippi State, USA.

Brasher, M. G. (2010). *Duck use and energetic carrying capacity of actively and passively managed wetlands in Ohio during autumn and spring migration*. Dissertation, Ohio State University, Columbus, USA.

Brasher, M. G., Arnold, T. W., Devries, J. H., & Kaminski, R. (2006). Breeding season survival of male and female mallards in prairie-parkland Canada. *Journal of Wildlife Management*, 70, 805-811.

Brasher, M.G., Davis, J.B., Kaminski, M.R., Emery, R.B., Kaminski, R.M., & Baldassarre, G.A. (2014). Criteria for determining breeding-pair status of male mallards captured in decoy traps. *Wildlife Society Bulletin*, 38, 599-604.

Brasher, M. G., Kaminski, R. M., & Burger, Jr. L. W. (2002). Evaluation of indicated breeding pair criteria to estimate mallard breeding populations. *Journal of Wildlife Management*, 66, 985-992.

Brasher, M. G., Steckel, J. D., & Gates, R. J. (2007). Energetic carrying capacity of actively and passively managed wetlands for migrating ducks in Ohio. *Journal of Wildlife Management*, 71, 2532-2541.

Brook, R. W. (2002). *Breeding ecology and local population dynamics of lesser scaup (Aythya affinis) in boreal forest of western Canada*. Thesis, University of Saskatchewan, Saskatoon, Canada.

Brook, R. W. & Clark, R. G. (2005). Breeding season survival of female lesser scaup in the northern boreal forest. *Arctic*, 58, 16-20.

Brook, R. W., Pasitschnaik-Arts, M., Howerter, D. W., & Messier, F. (2008). Influence of rodent abundance on nesting success of prairie waterfowl. *Canadian Journal of Zoology*, 86, 497-506.

Brylinsky, M. (1994). Evaluation of controlled fertilization of acidified and oligotrophic wetlands for enhancement of waterfowl production. In C. A. Staicer, M. J. Duggan, & J. J. Kerekes (Eds.), Ottawa, Canada: Environment Canada.

Buderman, F.E., Devries, J.H., & Koons, D.N. 2020. Changes in climate and land use interact to create an ecological trap in a migratory species. *Journal of Animal Ecology*, 89, 1961-1977.

Buege, K. R. (1993). *Aquatic invertebrates: a food source for waterfowl in montane wetlands of Arizona*. Thesis, Northern Arizona University, Flagstaff, USA.

Bueglas, J. (1995). *An ecological investigation of Acanthoscelides tenuis Bottimer and its impact on Lythrum salicaria L. (purple loosestrife) in southern Ontario*. Thesis, University of Guelph, Guelph, Canada.

Butterworth, E., Leach, A., Gendron, M., Pollard, B., & Stewart, G. R. (2002). *Peace-Athabasca Delta waterbird inventory program: 1998-2001 final report* Edmonton, Canada: Ducks Unlimited Canada.

Byun, E., Finkelstein, S.A., Cowling, S.A., & Badiou, P. (2018). Potential carbon loss associated with post-settlement wetland conversion in southern Ontario, Canada. *Carbon Balance and Management*, 13, 6.

Campeau, S., Murkin, H. R., & Titman, R. D. (1994). The relative importance of algae and emergent plant litter to freshwater marsh invertebrates. *Canadian Journal of Fisheries and Aquatic Sciences*, 51, 681-692.

Card, S. M. (2010). *Microbial and organic matter characteristics of restored riparian soils*. Thesis, University of Alberta, Edmonton, Canada.

Card, S. M. & Quideau, S. A. (2010). Microbial community structure in restored riparian soils of the Canadian Prairie Pothole Region. *Soil Biology and Biochemistry*, 42, 1463-1471.

Carlyle, S. A. (2006). *Changing nature of topographic control on surface soil moisture of prairie pothole complexes along a climate gradient*. Thesis, University of Western Ontario, London, Canada.

Caskenette, A., Enders, E.C., Watkinson, D., & Wrubleski, D. 2018. Partial exclusion of spawning *Cyprinus carpio* to improve coastal marsh habitat may come at the cost of increased carp population growth. *Ecological Modelling*, 385, 58-64.

Caswell, J. H. (2009). *Population biology of Ross's geese at McConnell River, Nunavut*. Dissertation, University of Saskatchewan, Saskatoon, Canada.

Caswell, J. H., Alisauskas, R. T., & Leafloor, J. O. (2012). Effect of neckband color on survival and recovery rates of Ross's geese. *Journal of Wildlife Management*, 76, 1456-1461.

Checkett, J. M., Drobney, R. D., Petrie, M. J., & Graber, D. A. (2002). True metabolizable energy of moist-soil seeds. *Wildlife Society Bulletin*, 30, 1113-1119.

Christie, K. R. (1997). *Assessment of managed grazing systems for productivity and abundance in non-game birds*. M.N.R. practicum, University of Winnipeg, Winnipeg, Canada.

Churchill, R.T.J. (2014). *Seasonal and long-term (1995-2009) changes in the distribution and abundance of submerged aquatic vegetation and dreissenid mussels in inner Long Point Bay, Lake Erie*. Thesis, University of Western Ontario, London, Canada.

Clair, T. A., Warner, B. G., Robarts, R., Murkin, H. R., Lilley, J., Mortsch, L. et al. (1998). Canadian inland wetlands and climate change. In G.Koshida & W. Avis (Eds.), *Canada country study: climate impacts and adaptation* (pp. 189-218). Ottawa, Canada: Environment Canada.

Clark, R. G., Hobson, K. A., & Wassenaar, L. I. (2006). Geographic variation in the isotopic (δD , $\delta^{13}C$, $\delta^{15}N$, $\delta^{34}S$) composition of feathers and claws from lesser scaup and northern pintail: implications for studies of migratory connectivity. *Canadian Journal of Zoology*, 84, 1395-1401.

Clark, W. R. (1993). Population dynamics of muskrats in managed marshes at Delta, Manitoba. *Canadian Journal of Zoology*, 71, 1620-1628.

Clark, W. R. (2000). Ecology of muskrats in prairie wetlands. In H.R.Murkin, A. G. van der Valk, & W. R. Clark (Eds.), *Prairie wetland ecology: the contribution of the Marsh Ecology Research Program* (pp. 287-313). Ames, USA: Iowa State University Press.

Clark, W. R. & Kroeker, D. W. (1994). Habitat selection by muskrats in experimental marshes undergoing succession. *Canadian Journal of Zoology*, 72, 675-680.

Coluccy, J. M., Yerkes, T., Walling, R., Simpson, J. W., Armstrong, L., & Davis, J. (2008). Population dynamics and sensitivity analyses of breeding mallards in the Great Lakes states. *Journal of Wildlife Management*, 72, 1181-1187.

Coluccy, J.M., Castelli, M.V., P.M. Castelli, Simpson, J.W., McWilliams, S.R., & Armstrong, L. 2015. True metabolizable energy of American black duck foods. *Journal of Wildlife Management*, 79, 344-348.

Connery, D. R., Cloutis, E. A., Sankowski, T. P., Devries, J. H., Howerter, D. W., & Dover, F. J. (1996). Evaluation of airborne multispectral imagery for mapping wetland habitats and vegetation communities: Camp Lake assessment site, Alberta. In

Cooke, F., Robertson, G. J., Goudie, R. I., & Boyd, W. S. (1997). Molt and the basic plumage of male harlequin ducks. *Condor*, 99, 83-90.

Cooke, F., Robertson, G. J., & Smith, C. M. (2000). Survival, emigration, and winter population structure of harlequin ducks. *Condor*, 102, 137-144.

- Cortus, B. G. (2005). *The economics of wetland drainage: a case study in Canada's prairie pothole region*. University of Alberta, Edmonton, Canada.
- Coulton, D. W. (2008). *Recruitment patterns and processes in Canadian parkland mallards*. Dissertation, University of Saskatchewan, Saskatoon, Canada.
- Coulton, D. W. & Clark, R. G. (2008). An integrated capture-recapture and stable-isotope approach to modeling sources of population rescue. *Auk*, *125*, 923-931.
- Coulton, D. W., Clark, R. G., & Hebert, C. E. (2010). Determining natal origins of birds using stable isotopes ($\delta^{34}\text{S}$, δD , $\delta^{15}\text{N}$, $\delta^{13}\text{C}$): model validation and spatial resolution for mid-continent mallards. *Waterbirds*, *33*, 10-21.
- Coulton, D. W., Clark, R. G., Hobson, K. A., Wassenaar, L. I., & Hebert, C. E. (2009). Temporal sources of deuterium (δD) variability in waterfowl feathers across a prairie-to-boreal gradient. *Condor*, *111*, 255-265.
- Coulton, D. W., Clark, R. G., Howerter, D. W., Anderson, M. G., & Wassenaar, L. I. (2011). Costs and benefits of natal distribution in yearling mallards *Anas platyrhynchos*. *Journal of Avian Biology*, *42*, 123-133.
- Coulton, D. W., Clark, R. G., Wassenaar, L. I., Howerter, D. W., & Anderson, M. G. (2011). Social and habitat correlates of immigrant recruitment of yearling mallards to breeding locations. *Journal of Ornithology*, *152*, 781-791.
- Cox, Jr. R. R. (1996). *Movements, habitat use, and survival of female northern pintails in south-western Louisiana*. Dissertation, Louisiana State University, Baton Rouge, USA.
- Cox, Jr. R. R. & Afton, A. D. (1994). Portable platforms for setting rocket nets in open-water habitats. *Journal of Field Ornithology*, *65*, 551-555.
- Cox, Jr. R. R. & Afton, A. D. (1996). Evening flights of female northern pintails from a major roost site. *Condor*, *98*, 810-819.
- Cox, Jr. R. R. & Afton, A. D. (1997). Use of habitats by female northern pintails wintering in southwestern Louisiana. *Journal of Wildlife Management*, *61*, 435-443.
- Cox, Jr. R. R. & Afton, A. D. (1998). Effects of capture and handling on survival of female northern pintails. *Journal of Field Ornithology*, *69*, 276-287.
- Cox, Jr. R. R. & Afton, A. D. (1998). Use of mini-refuges by female northern pintails wintering in southwestern Louisiana. *Wildlife Society Bulletin*, *26*, 130-137.
- Cox, Jr. R. R., Afton, A. D., & Pace III, R. M. (1998). Survival of female northern pintails wintering in southwestern Louisiana. *Journal of Wildlife Management*, *62*, 1511-1520.

Crumpton, W. G. & Goldsborough, L. G. (1998). Nitrogen transformation and fate in prairie wetlands. *Great Plains Research*, 8, 57-72.

Cuddington, A. D. (2008). *Bio-economic consideration for wetland policy on an agricultural landscape*. Thesis, University of Saskatchewan, Saskatoon, Canada.

Custer, C. M., Custer, T. W., Anteau, M. J., & Wooten, D. E. (2002). Trace elements in lesser scaup (*Aythya affinis*) from the Mississippi Flyway. *Ecotoxicology*, 12, 47-54.

Davis, B. E. (2007). *Habitat use, movements, and survival of radio-marked female mallards in the lower Mississippi alluvial valley*. Thesis, Louisiana State University, Baton Rouge, USA.

Davis, S. K. (2003). Nesting ecology of mixed-grass prairie songbirds in southern Saskatchewan. *Wilson Bulletin*, 115, 119-130.

Davis, S.K., Devries, J.H., & Armstrong, L.M. (2017). Variation in passerine use of burned and hayed planted grasslands. *Journal of Wildlife Management*, 81, 1494-1504.

Davis, S.K., R.J. Fisher, S.L. Skinner, T.L. Shaffer, T.L., & Brigham, R.M. (2013). Songbird abundance in native and planted grassland varies with type and amount of grassland in the surrounding landscape. *Journal of Wildlife Management* 77, 908-919.

Davis, S.K., Kirk, D.A., Armstrong, L.M., Devries, J.H., & Fisher, R.J. 2020. Shifting from spring wheat to winter wheat: A potential conservation strategy for grassland songbirds in cultivated landscapes? *Biological Conservation*, 63, 1616-1632.

Degenhardt, D., Humphries, D., Cessna, A. J., Messing, P., Badiou, P. H., Raina, R. et al. (2012). Dissipation of glyphosate and aminomethylphosphonic acid in water and sediment of two Canadian prairie wetlands. *Journal of Environmental Science and Health, Part B*, 47, 631-639.

de Laporte, A., Weersink, A., & Yang, W. (2010). Ecological goals and wetland preservation choice. *Canadian Journal of Agricultural Economics*, 58, 131-150.

Demarest, D. W. (1993). *Winter body-mass dynamics, mortality, and pair formation of food-restricted captive wood ducks*. Thesis, Mississippi State University, Mississippi State, USA.

Demarest, D. W., Kaminski, R. M., Brennan, L. A., & Boyle, C. R. (1997). Body-mass, survival, and pairing consequences of winter-diet restrictions in wood ducks. *Journal of Wildlife Management*, 61, 822-831.

Demers, F. (2000). *The effect of the radio collars on the breeding success, pair bond and behaviour of the greater snow geese*. Thesis, University of Québec, Montreal, Canada.

DeSimone, J., Macrae, M. L., & Bourdonniere, R. A. (2010). Spatial variability in surface N₂O fluxes across a riparian zone and relationships with soil environmental conditions and nutrient supply. *Agriculture, Ecosystems & Environment*, 138, 1-9.

de Swart, E. O. A. M., van der Valk, A. G., Koehler, K. J., & Barendregt, A. (1994). Experimental evaluation of realized niche models for predicting responses of plant species to a change in environmental conditions. *Journal of Vegetation Science*, 5, 541-552.

Devink, J.-M. (2007). *Comparative reproductive energetics and selenium ecotoxicology in three boreal-breeding waterfowl species*. Dissertation, University of Saskatchewan, Saskatoon, Canada.

Devink, J.-M., Clark, R. G., Slattery, S. M., & Scheuhammer, A. M. (2007). Cross-seasonal association between winter trophic status and breeding groud selenium levels in boreal white-winged scoters. *Avian Conservation and Ecology*, 3, 3.

Devink, J.-M., Clark, R. G., Slattery, S. M., & Scheuhammer, T. (2007). Effects of dietary selenium on reproduction and body mass of captive lesser scaup. *Environmental Toxicology and Chemistry*, 27, 471-477.

Devink, J.-M., Clark, R. G., Slattery, S. M., & Trauger, D. (2008). Are late-spring boreal lesser scaup (*Aythya affinis*) in poor body condition? *Auk*, 125, 291-298.

Devink, J.-M., Clark, R.G., Slattery, S.M., & Wayland, M. (2008). Is selenium affecting body condition and reproduction in boreal breeding scaup, scoters, and ring-necked ducks? *Environmental Pollution*, 152, 116-122.

Devink, J., Slattery, S. M., Clark, R. G., Alisasuskas, R., & Hobson, K. (2011). Combining stable isotope and body composition analyses to assess nutrient allocation strategies inn breeding white-winged scoters. *Auk*, 128, 166-174.

Devries, J.H. (2014). *Fitness consequences of avian habitat selection in dynamic landscapes: Multi-scale evaluations in northern pintails*. Dissertation, University of Saskatchewan, Saskatoon, Canada.

Devries, J. H. & Armstrong, L. M. (2011). Impact of management treatments on waterfowl use of dense nesting cover in the Canadian prairie-parklands. *Journal of Wildlife Management*, 75, 1340-1349.

Devries, J.H., Clark, R.G., & Armstrong, L.M. (2018). Dynamics of habitat selection in birds: Adaptive response to nest predation depends on multiple factors. *Oecologia*, 187, 305-318.

Devries, J. H., Armstrong, L. M., MacFarlane, R. J., Moats, L., & Thoroughgood, P. T. (2008). Waterfowl nesting in fall-seeded and spring-seeded cropland in Saskatchewan. *Journal of Wildlife Management*, 72, 1790-1797.

- Devries, J. H., Brook, R. W., Howerter, D. W., & Anderson, M. G. (2008). Effects of spring body condition and age on reproduction in mallards (*Anas platyrhynchos*). *Auk*, *125*, 618-627.
- Devries, J. H., Citta, J. J., Lindberg, M. S., Howerter, D. W., & Anderson, M. G. (2003). Breeding-season survival of mallard females in the prairie pothole region of Canada. *Journal of Wildlife Management*, *67*, 551-563.
- Devries, J. H., Rimer, S. O., & Walsh, E. M. (2010). Cropland nesting by long-billed curlews (*Numenius americanus*) in southern Alberta. *Prairie Naturalist*, *42*, 123-129.
- Dickson, R. (2011). *Postbreeding ecology of white-winged scoters (Melanitta fusca) and surf scoters (M. perspicillata) in western North America: wing moult phenology, body dynamics and foraging behaviour*. Thesis, Simon Fraser University, Burnaby, Canada.
- Diehl, J. K. (1999). *Biological control of purple loosestrife, Lythrum salicaria L. (Lythraceae) with Galerucella spp. (Coleoptera: Chrysomelidae): dispersal, population change, overwintering ability and predation of the beetles, and impact on the plant in southern Manitoba wetland release sites*. Thesis, University of Manitoba, Winnipeg, Canada.
- Diehl, J. K., Holliday, N. J., Lindgren, C. J., & Roughley, R. E. (1997). Insects associated with purple loosestrife, *Lythrum salicaria* L., in southern Manitoba. *Canadian Entomologist*, *129*, 937-948.
- Dietz, N. J., Bergmann, P. J., & Flake, L. D. (1994). A walk-in trap for nesting ducks. *Wildlife Society Bulletin*, *22*, 19-22.
- Dion, N., Hobson, K. A., & Larivière, S. (1999). Effects of removing duck nest predators on nesting success of grassland songbirds. *Canadian Journal of Zoology*, *77*, 1801-1806.
- Doherty, K.E., Evans, J.S., Walker, J., Devries, J.H., & Howerter, D.W. (2015). Building the foundation for international conservation planning for breeding ducks across the U.S. and Canadian border. *PLoS ONE*, *10*, e0116735.
- Doherty, K. E., Howerter, D. W., Devries, J. H., & Walker, J. (2018). Prairie Pothole Region of North America. In C. M. Finlayson, G. R. Milton, R. C. Prentice, & N. C. Davidson (Eds.), *The wetland book II: Distribution, description, and conservation* (pp. 679-688). Dordrecht, The Netherlands: Springer.
- Domine, L.M. (2011). *Mechanisms influencing carbon burial in prairie pothole shallow lakes*. Dissertation, University of Minnesota, Minneapolis, USA.

- Drake, K. L. (2006). *The role of dispersal in population dynamics of breeding Ross's geese*. Dissertation, University of Saskatchewan, Saskatoon, Canada.
- Drever, M. C., Clark, R. G., Derksen, C., Slattery, S. M., Toose, P., & Nudds, T. D. (2012). Population vulnerability to climate change linked to timing of breeding in boreal ducks. *Global Change Biology*, *18*, 480-492.
- Duclos, I. (2002). *Milieux mésiques et secs de l' île Bylot, Nunavut (Canada): caractérisation et utilisation par la Grande Oie des neiges*. Thesis, L'Université du Québec à Trois-Rivières, Trois-Rivières, Canada.
- Dumanski, S., Pomeroy, J.W., & Westbrook, C.J. (2015). Hydrological regime changes in a Canadian prairie. *Hydrological Processes*, *29*, 3893-3904.
- Dugger, B. D. & Petrie, M. J. (2000). Geographic variation in foraging rates of pre-incubation female mallards. *Canadian Journal of Zoology*, *78*, 2241-2243.
- Duncan, D.C. & Devries, J.H. (2018). Agricultural destruction of northern pintail nests on cropland in prairie Canada. *Avian Conservation & Ecology*, *13*, 6.
- Dyson, M.E. (2015). *Movement, habitat selection, and survival of female wood ducks (Aix sponsa) and ducklings at Long Point, Ontario*. Thesis, Western University, London, Ontario, Canada.
- Dyson, M.E., Schummer, M.L., Barney, T.S., Fedy, B.C., Henry, H.A.L., & Petrie, S.A. (2018). Survival and habitat selection of wood duck ducklings. *Journal of Wildlife Management*, *82*, 1725-1735.
- Dyson, M.E., Slattery, S.M., & Fedy, F.C. (2019). Microhabitat nest-site selection by ducks in the boreal forest. *Journal of Field Ornithology*, *90*, 348-360.
- Dyson, M.E., Slattery, S.M., & Fedy, F.C. (2020). Nest predators in the boreal forest. *Wildlife Society Bulletin*, *44*, 631-639.
- Elphick, C. S. (1997). Correcting avian richness estimates for unequal sample effort in atlas studies. *Ibis*, *139*, 189-190.
- Elphick, C. S. (1997). Experimental approaches to shorebird habitat management. In J.M.Reed, N. Warnock, & L. W. Oring (Eds.), *Conservation and management of shorebirds in the western Great Basin* (pp. 20-28).
- Elphick, C. S. (1998). *Waterbird conservation and ecology: the role of rice field management in habitat restoration*. Dissertation, University of Nevada-Reno, Reno, USA.
- Elphick, C. S. (2000). Functional equivalency between rice fields and seminatural wetland habitats. *Conservation Biology*, *14*, 181-191.

Elphick, C. S. (2004). Assessing conservation trade-offs: identifying the effects of flood rice fields for waterbirds on non-target bird species. *Biological Conservation*, 117, 105-110.

Elphick, C. S. & Oring, L. W. (1998). Winter management of California rice fields for waterbirds. *Journal of Applied Ecology*, 35, 95-108.

Elphick, C. S. & Oring, L. W. (2003). Effects of rice field management on winter waterbird communities: conservation and agronomic implications. *Agriculture, Ecosystems & Environment*, 94, 17-29.

Elphick, C. S. & Tibbitts, T. L. (1999). *Greater yellowlegs (Tringa melanoleuca)*. (vols. 355) Philadelphia, USA: Academy of Natural Sciences.

Elphick, C. S., Zuur, A. F., Ieno, E. N., & Smith, G. M. (2007). Investigating the effects of rice farming on aquatic birds with mixed modelling. In A.F.Zuur, E. N. Ieno, & G. M. Smith (Eds.), *Analysis of ecological data* (pp. 417-434). Springer.

Emery, R. B., Howerter, D. W., Armstrong, L. M., Anderson, M. G., Devries, J. H., & Joynt, B. L. (2005). Seasonal variation in waterfowl nesting success and its relation to cover management in the Canadian prairies. *Journal of Wildlife Management*, 69, 1181-1193.

Erb, M. M. (2005). *The effect of landscape restoration on greenhouse gas emissions and plant species and abundance*. Thesis, University of Manitoba, Winnipeg, Canada.

Ervin, M. (2011). *Population characteristics and habitat selection of muskrats (Ondatra zibethicus) in response to water level management at the Summerberry Marsh complex, The Pas, Manitoba, Canada*. Thesis, Iowa State University, Ames, USA.

Euliss, N. H., Gleason, R. A., Olness, A. E., McDougal, R. L., Murkin, H. R., Robarts, R. D. et al. (2006). North American prairie wetlands are important non-forested land-based carbon storage sites. *Science of the Total Environment*, 361, 179-188.

Euliss, N. H., Wrubleski, D. W., & Mushet, D. M. (1999). Wetlands of the prairie pothole region: invertebrate species composition, ecology, and management. In D.P.Batzer, R. B. Rader, & S. A. Wissinger (Eds.), *Invertebrates in freshwater wetlands of North America* (pp. 471-514). New York, USA: John Wiley & Sons.

Evelsizer, D. D. (2002). *Management of avian botulism and survival of molting mallards*. Thesis, University of Saskatchewan, Saskatoon, Canada.

Evelsizer, D.D., Bollinger, T.K., Dufour, K.W., & Clark, R.G. (2010). Survival of radio-marked mallards in relation to management of avian botulism. *Journal of Wildlife Diseases*, 46, 864-877.

Evelsizer, D.D., Clark, R.G., & Bollinger, T.K. (2010). Relationships between local carcass density and risk of mortality in molting mallards during avian botulism outbreaks. *Journal of Wildlife Diseases*, 46, 507-513.

Fedy, B., Devries, J.H., Howerter, D.W., & Row, J.R. (2018). Distribution of priority grassland bird habitats in the Prairie Pothole Region of Canada. *Avian Conservation and Ecology*, 13,4.

Feldman, R.E., Anderson, M.G., Howerter, D.W., & Murray, D.L. (2016). Temporal variability in the way local habitat affects duck population growth. *Population Ecology*, 58, 525-533.

Feldman, R.E., Anderson, M.G., Howerter, D.W., & Murray, D.L. (2015). Where does environmental stochasticity most influence population dynamics? An assessment along a regional core-periphery gradient for prairie breeding ducks. *Global Ecology and Biogeography*, 24, 896-904.

Ferone, J. M. (2001). *Landscape controls of hydrologic function and phosphorus dynamics in two pond-wetland complexes on the mixed-wood boreal plain*. Thesis, University of Alberta, Edmonton, Canada.

Finger, T.A. (2013). *Environmental factors influencing spring migration chronology of lesser scaup (Aythya affinis)*. Thesis, University of Western Ontario, London, Canada.

Finger, T.A. (2016). Environmental factors influence lesser scaup migration chronology and population monitoring. *Journal of Wildlife Management*, 80, 1437-1449.

Fisher, R. J. (2005). *Nest characteristics, breeding dispersal, and nest defence behaviour of northern flickers in relation to nest predation*. Thesis, University of Saskatchewan, Saskatoon, Canada.

Fisher, R. J. (2010). *Landscape and local factors affecting the use of native and planted grasslands by Sprague's pipit*. Dissertation, University of Regina, Regina, Canada.

Fisher, R. J. & Davis, S. K. (2010). From Wiens to Robel: a review of grassland bird habitat selection. *Journal of Wildlife Management*, 74, 265-273.

Fontaine, A. J. (2002). *Habitat selection by red-tailed hawks (Buteo jamaicensis) in prairie landscapes managed for enhanced waterfowl recruitment*. Thesis, McGill University, Montreal, Canada.

Forman, K. J. (1993). *Influence of skunk removal on nest success and breeding populations of upland nesting ducks in the lower Flathead Valley, Montana*. Thesis, University of Montana, Missoula, USA.

Foster-Willfong, J. M. (2003). *Census methodology and habitat use of long-billed curlews (Numenius americanus) in Saskatchewan*. Thesis, University of Regina, Regina, Canada.

Fowler, D.N., Webb, E.B., & Vrtiska, M.P. (2020). Condition bias of decoy harvested geese during the conservation order. *Journal of Wildlife Management*, 84, 33-44.

Fox, G. A., MacCluskie, M. C., & Brook, R. W. (2005). Are current contaminant concentrations in eggs and breeding female lesser scaup of concern? *Condor*, 107, 50-61.

Friesen-Pankratz, B. (2004). *Descriptive and experimental studies on the biotic and abiotic determinants of selected pesticide concentrations in prairie wetland water columns*. Dissertation, University of Manitoba, Winnipeg, Canada.

Froelich, A. J. (2001). *Waterfowl-macrophyte interactions: implications for conservation of freshwater ecosystems*. Dissertation, University of Notre Dame, Notre Dame, USA.

Gabor, T. S., Gadawski, T. R., & Bowes, S. (1995). Beaver pond management. In W.R. Whitman, T. Stange, L. Widjeskog, R. Whitemore, P. Kehoe, & L. Roberts (Eds.), *Waterfowl habitat restoration, enhancement and management in the Atlantic Flyway* (pp. B6-B14).

Gabor, T. S., Gadawski, T. R., Ross, R. K., Rempel, R. S., & Kroeker, D. W. (1995). Visibility bias of waterfowl brood surveys using helicopters in the Great Clay Belt of northern Ontario. *Journal of Field Ornithology*, 66, 81-87.

Gabor, T. S., Haagsma, T., & Murkin, H. R. (1996). Wetland plant responses to varying degrees of purple loosestrife removal in southeastern Ontario. *Wetlands*, 16, 95-98.

Gabor, T. S., Haagsma, T., Murkin, H. R., & Armson, E. (1995). Effects of triclopyr on purple loosestrife and non-targeted wetland plants in south-eastern Ontario, Canada. *Journal of Aquatic Plant Management*, 33, 48-51.

Gabor, T. S., Longcore, J. R., Murkin, H. R., & Arnason, A. N. (2000). Comparison of helicopter and ground surveys of waterfowl broods in southern Ontario. *Northeast Wildlife*, 55, 11-19.

Gabor, T. S., Murkin, H. R., & Ingram, J. W. (2002). Waterfowl use of managed and unmanaged beaver ponds in south-central Ontario. *Northeast Wildlife*, 57, 45-58.

Gabor, T. S., Murkin, H. R., Stainton, M. P., Boughen, J. A., & Titman, R. D. (1994). Nutrient additions to wetlands in the interlake region of Manitoba, Canada. *Hydrobiologia*, 279/280, 497-510.

Galatowitsch, S. M. (1993). *Site selection, design criteria and performance assessment for wetland restorations in the prairie pothole region*. Dissertation, Iowa State University, Ames, USA.

Galatowitsch, S. M. & van der Valk, A. G. (1994). *Restoring prairie wetlands: an ecological approach*. Ames, USA: Iowa State University Press.

Galatowitsch, S. M. & van der Valk, A. G. (1996). Characteristics of recently restored wetlands in the prairie pothole region. *Wetlands*, 16, 75-83.

Galatowitsch, S. M. & van der Valk, A. G. (1996). The vegetation of restored and natural prairie wetlands. *Ecological Applications*, 6, 102-112.

Galatowitsch, S. M. & van der Valk, A. G. (1998). Decision-making for prairie wetland restorations. *Great Plains Research*, 8, 137-155.

Galpern, P., Vickruck, J., Devries, J.H., & Gavin, M.P. (2020). Landscape complexity is associated with crop yields across a large temperate grassland region. *Agriculture, Ecosystems & Environment*, 290, 106724.

Gammonley, J. H. (1995). Nutrient reserve and organ dynamics of breeding cinnamon teal. *Condor*, 97, 985-992.

Gammonley, J. H. (1995). Spring feeding ecology of cinnamon teal in Arizona. *Wilson Bulletin*, 107, 64-72.

Gammonley, J. H. (1996). *Seasonal use of montane wetlands by waterbirds on the rim of the Colorado plateau*. Dissertation, University of Missouri, Columbia, USA.

Gammonley, J. H. (1998). Breeding duck populations and productivity on montane wetlands in Arizona. *Southwestern Naturalist*, 43, 219-227.

Ganter, B. & Cooke, F. (1996). Pre-incubation feeding activities and energy budgets of snow geese: can food on the breeding grounds influence fecundity? *Oecologia*, 106, 153-165.

Garvey, M. E. (2011). *A spatial analysis of factors affecting the nesting ecology of shorebirds in the Canadian prairie-parklands*. Thesis, Trent University, Peterborough, Canada.

Garvey, M. E., Nol, E., Howerter, D. W., & Armstrong, L. M. (2013). A spatial analysis of factors affecting nesting success of shorebirds in the Canadian prairies. *Condor*, 115, 58-66.

Gendron, M. (1999). *Comparative brood ecologies of gadwall and mallard*. Thesis, University of Saskatchewan, Saskatoon, Canada.

- Gendron, M. & Clark, R. G. (2000). Factors affecting brood abandonment in gadwalls (*Anas strepera*). *Canadian Journal of Zoology*, 78, 327-331.
- Gendron, M. & Clark, R. G. (2002). Survival of gadwall and mallard ducklings in southcentral Saskatchewan. *Journal of Wildlife Management*, 66, 170-180.
- Gingras, B., Slattery, S., Smith, K., & Darveau, M. (2018). Boreal wetlands of Canada and the United States of America. In C. M. Finlayson, G. R. Milton, R. C. Prentice, & N. C. Davidson (Eds.), *The wetland book II: Distribution, description, and conservation* (pp. 521-541). Dordrecht, The Netherlands: Springer.
- Giudice, J. H. (2001). *Visibility bias in waterfowl brood surveys and population ecology of dabbling ducks in central Washington*. Dissertation, University of Idaho, Moscow, USA.
- Gleason, R. A. & Euliss, N. H. (1998). Sedimentation of prairie wetlands. *Great Plains Research*, 8, 97-112.
- Gloutney, M. L., Alisaukas, R. T., Afton, A. D., & Slattery, S. M. (2001). Foraging time and dietary intake by breeding Ross's and lesser snow geese. *Oecologia*, 127, 78-86.
- Gobin, S. M. (1994). *Evaluation of grass establishment, development and survival under sod-seeding conditions in the dry subhumid prairies*. Thesis, University of Manitoba, Winnipeg, Canada.
- Goldsborough, L. G. & Crumpton, W. G. (1998). Distribution and environmental fate of pesticides in prairie wetlands. *Great Plains Research*, 8, 73-95.
- Goldsborough, L. G., McDougal, R. L., & North, A. K. (2005). Periphyton in freshwater lakes and wetlands. In M.E.Azim, M. C. J. Verdegem, A. A. van Dam, & M. C. M. Beveridge (Eds.), *Periphyton* (pp. 71-90). Oxfordshire, United Kingdom: CABI Publishing.
- Goulet, R. R., Holmes, J., Page, B., Poissant, L., Siciliano, S., Lean, D. et al. (2007). Mercury transformations and fluxes in sediments of a riverine wetland. *Geochimica et Cosmochimica Acta*, 17, 3393-3406.
- Gowans, B., Robertson, G. J., & Cooke, F. (1997). Behaviour and chronology of pair formation by harlequin ducks *Histrionicus histrionicus*. *Wildfowl*, 48, 135-146.
- Gray, B. T., Coley, R. W., MacFarlane, R. J., Puchnaik, A. J., Sexton, D. A., & Stewart, G. R. (1999). Restoration of prairie wetlands to enhance bird habitat: a Ducks Unlimited Canada perspective. In T.Murphy & M. Munawar (Eds.), *Aquatic restoration in Canada* (pp. 171-194). Leiden, The Netherlands: Backhuys Publishers.

Greer, D. M., Dugger, B. D., Reinecke, K. J., & Petrie, M. J. (2009). Depletion of rice as food of waterfowl wintering in the Mississippi alluvial valley. *Journal of Wildlife Management*, 73, 1125-1133.

Greer, L. M. (2002). *The physical, hydrometeorological, and water chemistry conditions characteristic of botulism outbreaks at Whitewater Lake, Manitoba*. Thesis, State University of New York - Buffalo, Buffalo, USA.

Grosshans, R. E., Wrubleski, D. A., & Goldsborough, L. G. (2004). *Changes in the emergent plant community of Netley-Libau Marsh between 1979 and 2001* (Rep. No. 4). Winnipeg, Canada: University of Manitoba.

Gurney, K. E. B. (2011). *Reproductive ecology of temperate-nesting waterfowl: temporal and spatial patterns of investment and success in lesser scaup (Aythya affinis)*. Dissertation, University of Saskatchewan, Saskatoon, Canada.

Gurney, K.E.B., Clark, R.G., & Curry, P.S. (2014). Factors influencing mortality of lesser scaup (*Aythya affinis*) ducklings during a West Nile virus outbreak. *Canadian Journal of Zoology*, 92, 365-370.

Gurney, K.E.B., Clark, R.G., Slattery, S.M., & Ross, L.C.M. (2017). Connecting the trophic dots: responses of an aquatic bird species to variable abundance of macroinvertebrates in northern boreal wetlands. *Hydrobiologia*, 785, 1-17.

Gurney, K.E.B., C.J. Wood, R.T. Alisauskas, M. Wayland, J.-M.A. DeVink, and S.M. Slattery. 2014. Identifying carry-over effects of wintering area on reproductive parameters in white-winged scoters: an isotopic approach. *Condor*, 116, 251-264.

Gurney, K. E. B., Clark, R. G., & Slattery, S. M. (2012). Seasonal variation in pre-fledging survival of lesser scaup *Aythya affinis*: hatch date effects depend on maternal body mass. *Journal of Avian Biology*, 43, 68-78.

Gurney, K. E. B., Clark, R. G., Slattery, S. M., Smith-Downey, N. V., Walker, J., Armstrong, L. M. et al. (2011). Time constraints in temperate-breeding species: influence of growing season length on reproductive strategies. *Ecography*, 34, 628-636.

Gwyn, K. L. (1994). *Variation in waterfowl nest predation*. Thesis, University of Saskatchewan, Saskatoon, Canada.

Gwyn, K. L. (2000). *Breeding ecology of northern pintails: nesting ecology, nest-site selection, nutrient reserve use and brood ecology*. Dissertation, University of Saskatchewan, Saskatoon, Canada.

Gwyn, K. L. & Clark, R. G. (1997). Cover characteristics and success of natural and artificial duck nests. *Journal of Field Ornithology*, 68, 33-41.

- Guyn, K. L. & Clark, R. G. (1999). Decoy trap bias and effects of markers on reproduction of northern pintails. *Journal of Field Ornithology*, 70, 504-513.
- Guyn, K. L. & Clark, R. G. (1999). Factors affecting survival of northern pintail ducklings in Alberta. *Condor*, 101, 369-377.
- Guyn, K. L. & Clark, R. G. (2000). Nesting effort of northern pintails in Alberta. *Condor*, 102, 619-628.
- Guyn, K. L. & Devries, J. H. (2004). Landscape conservation on the prairies: "The pintail experience". In *Seventh prairie conservation and endangered species conference*.
- Hamilton, D. (1997). *Community consequences of habitat use and predation by common eiders in the intertidal zone of Passamaquoddy Bay*. Dissertation, University of Guelph, Guelph, Canada.
- Hamilton, D. J. (2000). Direct and indirect effects of predation by common eiders and abiotic disturbance in an intertidal community. *Ecological Monographs*, 70, 21-43.
- Hamilton, D. J. (2001). Feeding behavior of common eider ducklings in relation to availability of rockweed habitat and duckling age. *Waterbirds*, 24, 233-241.
- Hamilton, D. J. & Nudds, T. D. (2003). Predation by common eiders on an intertidal invertebrate community associated with rockweed, and a comparison with an adjacent blue mussel bed. *Marine Biology*, 142, 1-12.
- Hamilton, D. J., Nudds, T. D., & Neate, J. (1999). Size-selective predation of blue mussels (*Mytilus edulis*) by common eiders (*Somateria mollissima*) under controlled field conditions. *Auk*, 116, 403-416.
- Hanson, A., Swanson, L., Ewing, D., Graba, G., Meyer, S., Ross, L. et al. (2009). *Wetland ecological functions assessment: an overview of approaches* (Rep. No. 497). Ottawa, Canada: Environment Canada.
- Hanson, A. R. (2001). *Modelling the spatial and temporal variation in density of breeding black ducks at landscape and regional levels*. Dissertation, University of Western Ontario, London, Canada.
- Hanson, A. R., MacInnis, A. R., Bowes, S. M., & Pollard, J. B. (1998). *An evaluation of level ditches as waterfowl brood habitat in the Saint John River floodplain* (Rep. No. 323). Ottawa, Canada: Environment Canada.
- Haque, A., Ali, G., & Badiou, P. (2018). Hydrological dynamics of prairie pothole wetlands: Dominant processes and landscape controls under contrasted conditions. *Hydrological Processes*, 32, 2405-2422.

- Haque, A., Ali, G., Macrae, M., Badiou, P., & Lobb, D. (2018). Hydroclimatic influences and physiographic controls on phosphorus dynamics in prairie pothole wetlands. *Science of the Total Environment*, 645, 1410-1424.
- Harms, N.J. (2011). Avian cholera in the eastern Canadian Arctic: Investigating disease origins and reservoirs. *Arctic*, 64, 501-505.
- Harms, N.J. (2012). Exploring health and disease in northern common eiders in the Canadian Arctic. *Arctic*, 65, 495-499.
- Harms, N.J. (2015). *Dynamics of disease: Origins and ecology of avian cholera in the eastern Canadian Arctic*. Dissertation, University of Saskatchewan, Saskatoon, Canada.
- Harms, N.J., Legagneux, P., Gilchrist, H.G., Bêty, J., Love, O.P., Forbes, M.R., Bortolotti, G.R., & Soos, C. (2015). Feather corticosterone reveals effect of moulting conditions in the autumn on subsequent reproductive output and survival in an Arctic migratory bird. *Proceeding of the Royal Society B*, 282, 20142085.
- Harriman, V. B. (2006). *Parasite-host interactions in an Arctic goose colony*. Thesis, University of Saskatchewan, Saskatoon, Canada.
- Harriman, V. B. & Alisauskas, R. T. (2010). Of fleas and geese: the impact of an increasing nest ectoparasite on reproduction success. *Journal of Avian Biology*, 41, 573-579.
- Harriman, V. B., Alisauskas, R. T., & Wobeser, G. A. (2008). The case of the blood-covered egg: ectoparasite abundance in an arctic goose colony. *Canadian Journal of Zoology*, 86, 959-965.
- Harriman, V. B., Galloway, T. D., Alisauskas, R. T., & Wobeser, G. A. (2011). Description of the larva of *Ceratophyllus vagabundus vagabundus* (Siphonaptera: Ceratophyllidae) from nests of Ross's and lesser snow geese in Nunavut, Canada. *Journal of Parasitology*, 97, 218-220.
- Harrison, R.B., Jones, W.M., Clark, D., Heise, B.A., & Fraser, L.H. (2017). Livestock grazing in intermountain depression wetlands. *Wetlands Ecology and Management*, 25, 471-484.
- Hart, E. A. & Lovvorn, J. R. (2003). Algal vs. macrophyte inputs to food webs of inland saline wetlands. *Ecology*, 84, 3317-3326.
- Hartwig, L. C. M. (2008). *The carbon dynamics of a prairie pothole wetland*. Thesis, University of Manitoba, Winnipeg, Canada.
- Haszard, S. (2004). *Habitat use by white-winged scoters (Melanitta fusca) and surf scoters (Melanitta perspicillata) in the Mackenzie River delta region, Northwest Territories*. Thesis, University of Saskatchewan, Saskatoon, Canada.

- Haszard, S. & Clark, R. G. (2007). Wetland use by white-winged scoters (*Melanitta fusca*) in the Mackenzie Delta region. *Wetlands*, 27, 855-863.
- Hatvany, M.G. (2017). Imagining Duckland: postnationalism, waterfowl migration, and ecological commons. *Canadian Geographer*, 61, 224-239.
- Haworth-Brockman, M. J., Murkin, H. R., Clay, R. T., & Armson, E. (1991). Effects of underwater clipping of purple loosestrife in a southern Ontario wetland. *Journal of Aquatic Plant Management*, 29, 117-118.
- Haworth-Brockman, M. J., Murkin, H. R., & Clay, R. T. (1993). Effects of shallow flooding on newly established purple loosestrife seedlings. *Wetlands*, 13, 224-227.
- Hein, E. W. & Hein, W. S. (1996). Effects of flagging on predation of artificial duck nests. *Journal of Field Ornithology*, 67, 604-611.
- Heitmeyer, M. E. (1995). Influence of age, body condition, and structural size on mate selection by dabbling ducks. *Canadian Journal of Zoology*, 73, 2251-2258.
- Henne, D. C. (2000). *Evaluation of an integrated management strategy for the control of purple loosestrife, Lythrum salicaria L. in Manitoba: biological control and herbicides*. Thesis, University of Manitoba, Winnipeg, Canada.
- Henne, D. C., Lindgren, C. J., Gabor, T. S., Murkin, H. R., & Roughley, R. E. (2005). An integrated management strategy for the control of purple loosestrife *Lythrum salicaria L.* (Lythraceae) in the Netley-Libau Marsh, southern Manitoba. *Biological Control*, 32, 319-325.
- Herring, G. (2003). *Assessing nutrient reserves and local population dynamics of wintering lesser scaup in east-central Florida*. Thesis, North Carolina State University, Raleigh, USA.
- Herring, G. & Collazo, J. A. (2004). Winter survival of lesser scaup in east-central Florida. *Journal of Wildlife Management*, 68, 1082-1087.
- Herring, G. & Collazo, J. A. (2005). Habitat use, movements and home range of wintering lesser scaup in Florida. *Waterbirds*, 28, 71-78.
- Herring, G. & Collazo, J. A. (2006). Lesser scaup winter foraging and nutrient reserve acquisition in east-central Florida. *Journal of Wildlife Management*, 70, 1682-1689.
- Himsworth, C. G., Gurney, K. E. B., Neimanis, A. S., Wobeser, G. A., & Leighton, F. A. (2009). An outbreak of West Nile virus infection in captive lesser scaup (*Aythya affinis*) ducklings. *Avian Diseases Digest*, 4, e31-e33.

- Hnatiuk, S. D. (2006). *Experimental manipulation of ponds to determine the impact of common carp (Cyprinus carpio L.) in Delta Marsh, Manitoba*. Thesis, University of Manitoba, Winnipeg, Canada.
- Hobson, K. A., Wunder, M. B., van Wilgenburg, S. L., Clark, R. G., & Leighton, F. A. (2009). A method for investigating population declines of migratory birds using stable isotopes: origins of harvested lesser scaup in North America. *PLoS ONE*, 4, e7915.
- Hoekman, S. T., Gabor, T. S., Maher, R., Murkin, H., & Armstrong, L. M. (2004). Factors affecting survival of mallard ducklings in southern Ontario. *Condor*, 106, 485-495.
- Hoekman, S. T., Gabor, T. S., Murkin, H. R., & Lindberg, M. S. (2006). Demographics of breeding female mallards in southern Ontario. *Journal of Wildlife Management*, 70, 111-120.
- Hoekman, S. T., Mills, L. S., Howerter, D. W., Devries, J. H., & Ball, I. J. (2002). Sensitivity analysis of the life cycle of mid-continent mallards. *Journal of Wildlife Management*, 66, 883-900.
- Hoff, T. M. (1993). *Effects of grazing on waterfowl cover in wetlands in the White Mountains, Arizona*. Thesis, Northern Arizona University, Flagstaff, USA.
- Hohman, W. L., Ankney, C. D., & Gordon, D. H. (1992). Ecology and management of postbreeding waterfowl. In B.D.J.Batt, A. D. Afton, M. G. Anderson, C. D. Ankney, D. H. Johnson, J. A. Kadlec, & G. L. Krapu (Eds.), *Ecology and management of breeding waterfowl* (pp. 128-189). Minneapolis, USA: University of Minnesota Press.
- Hohman, W.L., Lindstrom, E., Rashford, B.S., & Devries, J.H. (2014). Opportunities and challenges to waterfowl habitat conservation on private land. *Wildfowl, Special Issue 4*, 368-406.
- Hope, C.K. (2020). *Historical loading and current sorption capacity of phosphorus in the sediments of Delta Marsh*. Thesis, University of Manitoba, Winnipeg, Manitoba, Canada.
- Horn, D. J. & Maul, J. D. (1997). Northern harrier builds nest on top of depredated mallard nest. *Prairie Naturalist*, 29, 49.
- Horn, D. J. & Koford, R. R. (2000). Relation of grassland bird abundance to mowing of Conservation Reserve Program fields in North Dakota. *Wildlife Society Bulletin*, 28, 653-659.
- Horn, D. J. (2000). *The influence of habitat features on grassland birds nesting in the prairie pothole region of North Dakota*. Dissertation, Iowa State University, Ames, USA.

Howerter, D. W. (2003). *Factors affecting duck nesting in the aspen parklands: a spatial analysis*. Dissertation, Montana State University, Bozeman, USA.

Howerter, D.W., Anderson, M.G., Devries, J.H., Joynt, B.L., Armstrong, L.M., Emery, R.B., & Arnold, T.W. (2014). Variation in mallard vital rates in Canadian Aspen Parklands: The Prairie Habitat Joint Venture assessment. *Wildlife Monographs*, 188, 1-37.

Howerter, D. W., Emery, R. B., Joynt, B. L., & Guyn, K. L. (1996). Mortality of mallard ducklings exiting from electrified predator exclosures. *Wildlife Society Bulletin*, 24, 673-680.

Howerter, D. W., Joynt, B. L., Emery, R. B., & Sankowski, T. P. (1997). Effects of nasal discs on nesting by mallards. *Journal of Field Ornithology*, 68, 1-6.

Howerter, D. W., Rotella, J. J., Anderson, M. G., Armstrong, L. M., & Devries, J. H. (2008). Mallard nest-site selection in an altered environment: predictions and patterns. *Israel Journal of Ecology & Evolution*, 54, 437-460.

Humburg, D.D., Anderson, M.G., Brasher, M.G., Carter, M.F., Eadie, J.M., Fulton, D.C., Johnson, F.A., Runge, M.C., & Vrtiska, M.P. (2018). Implementing the 2012 North American Waterfowl Management Plan revision: Populations, habitat, and people. *Journal of Wildlife Management*, 82, 275-286.

Humburg, D.D. & Anderson, M.G. (2014). Implementing the 2012 North American Waterfowl Management Plan: People conserving waterfowl and wetlands. *Wildfowl, Special Issue 4*, 329-342.

Iles, D.T. (2017). *Effects of variable and changing environments on demography: Inferences from a lesser goose colony*. Dissertation, Utah State University, Logan, USA.

Ingram, J. W. (1997). *The effect of flooding duration on productivity of beaver ponds in eastern Ontario*. Thesis, McGill University, Montreal, Canada.

Jacobs, K. J. (1995). *Seed banks in several plant associations of a south Atlantic freshwater complex*. Thesis, Clemson University, Clemson, USA.

Janke, A.K. (2016). *A physiological assessment of wetland habitats for spring-migrating ducks in the agricultural landscapes of the southern Prairie Pothole Region*. Dissertation, South Dakota State University, Brookings, USA.

Jeke, N.N., Zvomuya, F., Cicek, N., Ross, L., & Badiou, P. (2019). Nitrogen and phosphorus phytoextraction by cattail (*Typha* spp.) during wetland-based phytoremediation of an end-of-life municipal lagoon. *Journal of Environmental Quality*, 48, 24-31.

Jeke, N.N., Zvomuya, F., Cicek, N., Ross, L., & Badiou, P. (2015). Biomass, nutrient, and trace element accumulation and partitioning in cattail (*Typha latifolia* L.)

during wetland phytoremediation of municipal biosolids. *Journal of Environmental Quality* 44, 1541-1549.

Johns, D.W. (2019). *From ecophysiology to ecoregions: Integrating patterns in waterfowl reproductive success across multiple scales*. Dissertation, University of Saskatchewan, Saskatoon, Canada.

Johnson, F. A., Anderson, M. G., Baydack, R. K., Nelson, J. W., Ringelman, J. K., Konef, M. D. et al. (1997). Enhancing biological performance of the North American Waterfowl Management Plan. In K. G. Wadsworth (Ed.), *Finding common ground in uncommon times* (pp. 377-385). Washington, DC, USA: Wildlife Management Institute.

Jones, W. M., Fraser, L. H., & Curtis, P. J. (2011). Plant community functional shifts in response to livestock grazing in intermountain depression wetlands in British Columbia, Canada. *Biological Conservation*, 144, 511-517.

Joyce, P. E. (2001). *The roles of heterogeneity and scale in mallard nest site selection*. Thesis, University of Manitoba, Winnipeg, Canada.

Kadlec, J. A. (1993). Effects of depth of flooding on summer water budgets for small diked marshes. *Wetlands*, 13, 1-9.

Kadlec, J. A., Murkin, H. R., & van der Valk, A. G. (2000). The baseline and deep-flooding years. In H.R.Murkin, A. G. van der Valk, & W. R. Clark (Eds.), *Prairie wetland ecology: the contribution of the Marsh Ecology Research Program* (pp. 55-74). Ames, USA: Iowa State University Press.

Kadlec, J. A., van der Valk, A. G., & Murkin, H. R. (2000). The MERP nutrient budgets. In H.R.Murkin, A. G. van der Valk, & W. R. Clark (Eds.), *Prairie wetland ecology: the contribution of the Marsh Ecology Research Program* (pp. 37-54). Ames, USA: Iowa State University Press.

Kehoe, F. P. & Mawhinney, K. (1999). Evaluation of various methods used to color mark ducklings. *Canadian Field Naturalist*, 113, 675-677.

Kellett, D. (1999). *Aspects of King eider nesting ecology*. Thesis, University of Saskatchewan, Saskatoon, Canada.

Kellett, D. K. & Alisauskas, R. T. (2011). Clutch size and nest survival of cackling geese in lesser snow and Ross's goose colony. *Waterbirds*, 34, 400-411.

Kellett, D. K., Alisauskas, R. T., & Mehl, K. R. (2003). Nest site selection, interspecific associations and nest success of King eiders. *Condor*, 105, 373-378.

Kerkes, J. J. & Pollard, J. B. (1994). *Aquatic birds in the trophic web of lakes*. Kluwer Academic Publishers.

King, R. S. & Wrubleski, D. A. (1998). Spatial and diel availability of flying insects as potential duckling food in prairie wetlands. *Wetlands*, 18, 100-114.

Kirk, M. (2007). *Movement and foraging behaviours of surf scoters wintering in habitats modified by shellfish aquaculture*. Thesis, Simon Fraser University, Burnaby, Canada.

Kirk, M. K., Esler, D., & Boyd, W. S. (2007). Foraging effort of surf scoters (*Melanitta perspicillata*) wintering in a spatially and temporally variable prey landscape. *Canadian Journal of Zoology*, 85, 1207-1215.

Kirk, M. K., Esler, D., Iverson, S. A., & Boyd, W. S. (2008). Movements of wintering surf scoters: predator responses to different prey landscapes. *Oecologia*, 155, 859-867.

Koons, D. N. (2001). *Lesser scaup breeding ecology in the Canadian parklands*. Thesis, Montana State University, Bozeman, USA.

Koons, D. N., Rotella, J. J., Willey, D. W., Taper, M., Clark, R. G., Slattery, S. et al. (2006). Lesser scaup population dynamics: what can be learned for available data? *Avian Conservation and Ecology*, 1, 6.

Koper, N. (2004). *Upland-nesting ducks as surrogate species for avian conservation in the dry mixed-grass prairie*. Dissertation, University of Alberta, Edmonton, Canada.

Koper, N. (2007). Does management for duck productivity affect songbird nesting success? *Journal of Wildlife Management*, 71, 2249-2257.

Koper, N. & Schmiegelow, F. K. A. (2006). Effects of habitat management for ducks on target and nontarget species. *Journal of Wildlife Management*, 70, 823-834.

Kowalchuk, T. (1996). *Comparison of two nesting structures for mallards in pothole habitat of Minnesota and Manitoba*. Thesis, University of Manitoba, Winnipeg, Canada.

Krainyk, A., Lyons, J.E., Brasher, M.G., Humburg, D.D., Soulliere, G.J., Coluccy, M.J., Petrie, M.J., Howerter, D.W. Slattery, S.M., Rice, M.B., and Fuller, J.C. (2019). Spatial integration of biological and social objectives to identify priority landscapes for waterfowl habitat conservation. U.S. Geological Survey open-file report 2019-1029, Reston, Virginia, USA.

Krapu, G. L., Reynolds, R. E., Sargeant, G. A., & Renner, R. W. (2004). Patterns of variation in clutch sizes in guild of temperate-nesting dabbling ducks. *Auk*, 121, 695-706.

Kroeker, D. S. (2006). *Fish use of the Rocky Creek fishway and the Reader-Root wetland complex with special consideration for northern pike*. Thesis, University of Winnipeg, Winnipeg, Canada.

Kuechle, K.J. 2018. *Quantifying neonicotinoid concentrations in Missouri wetlands, their driving factors, and the potential effects on the reliant avian community*. Thesis, University of Missouri, Columbia, Missouri, USA.

LaBaugh, J. W., Winter, T. C., & Rosenberry, D. O. (1998). Hydrologic functions of prairie wetlands. *Great Plains Research*, 8, 17-37.

Landsman, S.J., McLellan, N.R., Platts, J., & van de Heuval, M.R. (2020). Fishway effectiveness and upstream residency of three species at four fishways in Prince Edward Island, Canada. *Northeastern Naturalist*, 27, 48-76.

Landsman, S.J., McLellan, N.R., Platts, J., & van den Heuval, M.R.. (2018). Non-salmonid vs. salmonid passage at a nature-like and pool-and-weir fishway in Atlantic Canada with special attention to rainbow smelt *Osmerus mordax*. *Transactions of American Fisheries Society*, 147, 94-110.

Larivière, S. (1996). The American mink can climb trees. *Mammalia*, 60, 485-486.

Larivière, S. (1998). *Habitat fragmentation, striped skunks, and waterfowl nest predation*. Dissertation, University of Saskatchewan, Saskatoon, Canada.

Larivière, S. (1999). *American mink Mustela vison* (Rep. No. 608).

Larivière, S. (1999). *Neotropical otter Lontra longicaudis* (Rep. No. 609).

Larivière, S. (1999). *Southern river otter Lontra provocax* (Rep. No. 610).

Larivière, S. (1999). Reasons why predators cannot be inferred from nest remains. *Condor*, 101, 718-721.

Larivière, S. (2000). *American black bear Ursus americanus* (Rep. No. 647).

Larivière, S. (2000). *Congo clawless otter Aonyx congicus* (Rep. No. 650).

Larivière, S., Howerter, D., & Messier, F. (2007). Influence of gender and den type on home range shape for striped skunk, *Mephitis mephitis*, in Saskatchewan. *Canadian Field Naturalist*, 121, 261-264.

Larivière, S., Jolicoeur, H., & Crête, M. (2000). Status and conservation of the gray wolf *Canis lupus* in wildlife reserves of Québec. *Biological Conservation*, 94, 143-151.

- Larivière, S. & Messier, F. (1996). Field anesthesia of striped skunks using halothane. *Canadian Field Naturalist*, 110, 705.
- Larivière, S. & Messier, F. (1996). Aposematic behaviour in the striped skunk. *Ethology*, 102, 986-992.
- Larivière, S. & Messier, F. (1996). Immobilization of striped skunks with telazol. *Wildlife Society Bulletin*, 24, 713-716.
- Larivière, S. & Messier, F. (1997). Characteristics of waterfowl nest depredation by the striped skunk *Mephitis mephitis*: can predators be identified from nest remains? *American Midland Naturalist*, 137, 393-396.
- Larivière, S. & Messier, F. (1997). Seasonal and daily activity patterns of striped skunks (*Mephitis mephitis*) in the Canadian prairies. *Journal of Zoology*, 243, 255-262.
- Larivière, S. & Messier, F. (1998). Spatial organization of a prairie striped skunk population during the waterfowl nesting season. *Journal of Wildlife Management*, 62, 199-204.
- Larivière, S. & Messier, F. (1998). Denning ecology of the striped skunk in the Canadian prairies: implications for waterfowl nest predation. *Journal of Applied Ecology*, 35, 207-213.
- Larivière, S. & Messier, F. (1998). Effect of density and nearest neighbors on simulated waterfowl nests: can predators recognize high-density nesting patches? *Oikos*, 83, 12-20.
- Larivière, S. & Messier, F. (1998). The influence of close-range radio-tracking on the behavior of free-ranging striped skunks, *Mephitis mephitis*. *Canadian Field Naturalist*, 112, 657-660.
- Larivière, S. & Messier, F. (1999). Review and perspective of methods used to capture and handle skunks. In G.Proulx (Ed.), *Mammal trapping* (pp. 141-154). Sherwood Park, Canada: Alpha Wildlife Research and Management.
- Larivière, S. & Messier, F. (2000). Habitat selection and use of edges by striped skunks in the Canadian prairies. *Canadian Journal of Zoology*, 78, 366-372.
- Larivière, S. & Pasitschnaik-Arts, M. (1996). *Red fox Vulpes vulpes* (Rep. No. 537).
- Larivière, S. & Walton, L. R. (1998). *North American river otter Lontra canadensis* (Rep. No. 587).
- Larivière, S., Walton, L. R., & Messier, F. (1999). Selection by striped skunks (*Mephitis mephitis*) of farmsteads and buildings as denning sites. *American Midland Naturalist*, 142, 96-101.

Larivière, S., Walton, L. R., & Virgl, J. A. (2000). Field anesthesia of American mink, *Mustela vison*, using halothane. *Canadian Field Naturalist*, *114*, 142-144.

Lavretsky, P. (2014). Phylogenetics, population genetics, and evolution of the mallard complex. Dissertation, Wright State University, Dayton, USA.

Lavretsky, P., Engilis, Jr., A., & Peters, J.L. (2014). Major histocompatibility I gene diversity in the critically endangered Laysan duck (*Anas laysanensis*). *Pacific Conservation Biology*, *20*, 86-93.

Lavretsky, P., Hernández-Baños, B.E., & Peters, J.L. (2014). Rapid radiation and hybridization contribute to weak differentiation and hinder phylogenetic inferences in the New World mallard complex (*Anas* spp.). *Auk*, *131*, 524-538.

Lavretsky, P., McCracken, K.G., & Peters, J.L. (2014). Phylogenetics of a recent radiation in the mallards and allies (Aves: *Anas*): Inferences from a genomic transect and the multispecies coalescent. *Molecular Phylogenetics and Evolution*, *70*, 402-411.

Lavretsky, P., Dacosta, J.M., Hernández-Banos, B.E., Englis Jr., A., Sorenson, M.D., & Peters, J.L. 2015. Speciation genomics and the role for the Z chromosome in the early stages of divergence between Mexican ducks and mallards. *Molecular Ecology*, *24*, 5364-5378.

Lavretsky, P., Englis, Jr., A., Eadie, J.M., & Peters, J.L. (2015). Genetic admixture supports an ancient hybrid origin of the endangered Hawaiian duck. *Journal of Evolutionary Biology*, *28*, 1005-1015.

Lavretsky, P., Peters, J.L., Winker, K., Bahn, V., Kulikova, I., Zhuravlev, Y.N., Wilson, R.E., Barger, C., Gurney, K., and McCracken, K.G. (2016). Becoming pure: identifying generational classes of admixed individuals within lesser and greater scaup populations. *Molecular Ecology*, *25*, 661-674.

Leach, M. (2009). *Influence of an upstream dam on riparian zone hydrology and shallow groundwater nitrate dynamics*. Thesis, McMaster University, Hamilton, Canada.

Leafloor, J. (1998). *Philopatry, geographic variation in body size, and genetic structure of Canada geese*. Dissertation, University of Wisconsin-Madison, Madison, USA.

Leafloor, J. O., Ankney, C. D., & Rusch, D. H. (1998). Environmental effects on body size of Canada geese. *Auk*, *115*, 26-33.

Leafloor, J. O. & Rusch, D. H. (1997). Clinal size variation in Canada geese affects morphometric discrimination techniques. *Journal of Wildlife Management*, *61*, 183-190.

- Leafloor, J. O., Rusch, D. H., Smith, A. E., & Wood, J. C. (1996). Hunting vulnerability of local and migrant Canada geese: a comment. *Journal of Wildlife Management*, 60, 452-457.
- Leclair, C. (2008). *Greenhouse gas emissions from cropland and adjoining riparian area*. Thesis, Dalhousie University, Halifax, Canada.
- Legagneux, P., Berzins, L.L., Forbes, M., Harms, N.J., Hennin, H.L., Bourgeon, S., Gilchrist, H.G., Bêty, J., Soos, C., Love, O.P., Foster, J.T., Descamps, S., & Burness, G. (2014). No selection on immunological markers in response to a highly virulent pathogen in an Arctic breeding bird. *Evolutionary Applications*, 7, 765-773.
- Legagneux, P., Harms, N.J., Gauthier, G., Chastel, O., Gilchrist, H.G., Bortolotti, G., Bêty, J., & Soos, C. (2013). Does feather corticosterone reflect individual quality or external stress in Arctic-nesting migratory birds? *PLoS ONE*, 8, e82644.
- Leighton, F. A. & Wobeser, G. A. (1994). Salinity and selenium content in western Canada wetlands. *Wildlife Society Bulletin*, 22, 111-116.
- Leitch, J. A. & Fridgen, P. (1998). Functions and values of prairie wetlands: economic realities. *Great Plains Research*, 8, 157-168.
- Lemelin, L. V. (2007). *L'habitat de la sauvagine en période de nidification dan le Québec forestier*. Thesis, Université du Québec en Abitibi-Temiscamingue.
- Leonard, J. P., Anderson, M. G., Prince, H. H., & Emery, R. B. (1996). Survival and movements of canvasback ducklings. *Journal of Wildlife Management*, 60, 863-874.
- Lieske, D.J., MacIntosh, M., Millet, L., Bondrup-Nielsen, S., Pollard, J.B., Parsons, G., McLellan, N.R., Milton, G.R., MacKinnon, F., Connor, K., & Banks, L.K. (2018). Modelling the impacts of agriculture in mixed-use landscapes: A review and case study involving two species of dabbling ducks. *Landscape Ecology*, 33, 35-57.
- Lieske, D.J., Pollard, B., Gloutney, M. Milton, R., Connor, K., Dibblee, R., Parsons, G. and Howerter, D. (2012). The importance of agricultural landscapes as key nesting habitats for the American black duck in Maritime Canada. *Waterbirds*, 35, 525-534.
- Lindgren, C. J. & Clay, R. T. (1993). Fertility of 'Morden Pink' *Lythrum virgatum* L. in Manitoba. *HortScience*, 28, 954.
- Lindgren, C. J., Gabor, T. S., & Murkin, H. R. (1998). The impact of triclopyr amine on *Galerucella calmariensis* L. (Coleoptera: Chrysomelidae) and a step towards the integrated management of purple loosestrife *Lythrum salicaria* L. *Biological Control*, 12, 14-19.

- Lindgren, C. J., Gabor, T. S., & Murkin, H. R. (2000). Compatibility of glyphosate with *Galerucella calmeriensis*: a biological control agent for purple loosestrife (*Lythrum salicaria*). *Journal of Aquatic Plant Management*, 37, 44-48.
- Lindgren, C. J., Gabor, T. S., & Murkin, H. R. (2000). Critical steps toward an integrated vegetation management strategy for the control of purple loosestrife in Manitoba, Canada. In N. R. Spencer (Ed.), *X International symposium of biological control of weeds* (pp. 383-388).
- Lindberg, M. S., Kendall, W. L., Hines, J. E., & Anderson, M. G. (2001). Combining band recovery data and Pollock's robust design to model temporary and permanent emigration. *Biometrics*, 57, 273-281.
- Lindberg, M. S. & Sedinger, J. S. (1997). Ecological consequences of nest site fidelity in black brant. *Condor*, 99, 25-38.
- Lindberg, M. S., Sedinger, J. S., Derksen, D. V., & Rockwell, R. F. (1998). Natal and breeding philopatry in a black brant, *Branta bernicla nigricans*, metapopulation. *Ecology*, 79, 1893-1904.
- Lindberg, M. S., Sedinger, J. S., & Flint, P. L. (1997). Effects of spring environment on nesting phenology and clutch size of black brant. *Condor*, 99, 381-388.
- Liu, Y. B. & Yang, W. (2007). An interface of drainage division for modeling wetlands and riparian buffers in agricultural watersheds. *Journal of Spatial Hydrology*, 7, 66-80.
- Liu, Y. B., Yang, W., & Wang, X. (2007). GIS-based integration of SWAT and REMM for estimating water quality benefits of riparian buffers in agricultural watersheds. *Transactions of the American Society of Agricultural and Biological Engineers*, 50, 1549-1563.
- Liu, Y. B., Yang, W., & Wang, X. (2008). Development of a SWAT extension module to simulate riparian wetland hydrologic processes at a watershed scale. *Hydrological Processes*, 22, 2901-2915.
- Loder, A.L., Mallory, M.L., Spooner, I., McLellan, N.R., White, C., & Smol, J.P. (2018). Do rural impoundments in coastal Bay of Fundy, Canada sustain adequate habitat for wildlife? *Wetlands Ecology and Management*, 26, 213-230.
- Loder, A.L., Mallory, M.L., Spooner, I., Turner, M. and McClellan, N.R. (2018). Nutrient availability reduced in older rural impoundments in coastal Bay of Fundy, Canada. *Hydrobiologia*, 814, 175-189.
- Loder, A.L., Spooner, I.S., McLellan, N.R., Kurek, J., & Mallory, M.L. (2019). Water chemistry of managed freshwater wetlands on marine-derived soils in coastal Bay of Fundy, Canada. *Wetlands*, 39, 521-532.

Lovvorn, J. R. & Baldwin, J. R. (1996). Intertidal and farmland habitats of ducks in the Puget Sound region: a landscape perspective. *Biological Conservation*, 77, 97-114.

Machin, K. L. (1997). *Determination of the efficacy of anesthetic agents in captive and free-ranging ducks*. Thesis, University of Saskatchewan, Saskatoon, Canada.

Machin, K. L. (2002). *Effects of surgery, anesthesia and pain management on reproduction and behaviour of captive and free-ranging ducks*. Dissertation, University of Saskatchewan, Saskatoon, Canada.

Machin, K. L. & Caulkett, N. A. (1998). Cardiopulmonary effects of propofol and medetomidine-midazolam-ketamine combination in mallard ducks. *American Journal of Veterinary Research*, 59, 598-602.

Machin, K. L. & Caulkett, N. A. (1999). Cardiopulmonary effects of propofol infusion in canvasback ducks (*Aythya valisineria*). *Journal of Avian Medicine and Surgery*, 13, 167-172.

Machin, K. L. & Caulkett, N. A. (2000). Evaluation of isoflurane and propofol anesthesia for intraabdominal transmitter placement in nesting female canvasbacks. *Journal of Wildlife Diseases*, 36, 324-334.

Mack, G. G. (2003). *Variation in mallard home range size and composition in the prairie parkland region of Canada: correlates and consequences for breeding females*. Thesis, University of Saskatchewan, Saskatoon, Canada.

Mack, G. G., Clark, R. G., & Howerter, D. W. (2003). Size and habitat composition of female mallard home ranges in the prairie-parkland region of Canada. *Canadian Journal of Zoology*, 81, 1454-1461.

Mack, G. G. & Clark, R. G. (2006). Home-range characteristics, age, body size, and breeding performance of female mallards (*Anas platyrhynchos*). *Auk*, 123, 467-474.

Maile, B. A. (2003). *Effects of planted cover management on buffer prey and their role in waterfowl nest success*. Thesis, University of Alberta, Edmonton, Canada.

Maillet, J. L., MacKinnon, C. M., & Pollard, J. B. (1999). *Re-examination of the relationship between constructed impoundment age and waterbird use* (Rep. No. 290). Ottawa, Canada: Environment Canada.

Maisonneuve, C., Belanger, L., Bordage, D., Jobin, B., Grenier, M., Beaulieu, J. et al. (2006). American black duck and mallard breeding distribution and habitat relationships along a forest-agriculture gradient in southern Québec. *Journal of Wildlife Management*, 70, 450-459.

Malecki, R. A., Batt, B. D. J., & Sheaffer, S. E. (2001). Spatial and temporal distribution of Atlantic population Canada geese. *Journal of Wildlife Management*, 65, 242-247.

Mallory, M.L., Ronconi, R.A., Allen, R.B., Dwyer, C., Lair, S., Mallory, C.D., McLellan, N.R., Milton, G.R., Parsons, G.J., Savoy, L., & Tomlik, M.D. (2020). Annual movement patterns of American eiders *Somateria mollissima dresseri*. *Wildlife Biology*, 2020, 665.

Manley, S. (1999). *Ecological and agricultural values of winter-flooded ricefields in the Mississippi alluvial valley*. Dissertation, Mississippi State University, Mississippi State, USA.

Manley, S., Schoenholtz, S., Rodrigue, P., & Kaminski, R. (1995). Water quality values of winter flooded rice fields - an experimental evaluation. In B. J. Daniel (Ed.), (pp. 174-180).

Mantyka-Pringle, C., Leston, L., Messmer, D., Asong, E., Bayne, E.M., Bortolotti, L.E., Sekulic, G., Wheeler, H., Howeter, D.W., & Clark, R.G. (2019). Antagonistic, synergistic and direct effects of land use and climate on prairie wetland ecosystems: Ghosts of the past or present? *Diversity and Distributions*, 25, 1924-1940.

Mattsson, B.J., Devries, J.H., Dubovsky, J.A., Semmens, D., Thogmartin, W.E., Derbridge, J.J., & Lopez-Hoffman, L. (2020). Linking landscape-scale conservation to regional and continental outcomes for a migratory species. *Scientific Reports*, 10, 4968.

Mattsson, B.J., Devries, J.H., Dubovsky, J.A., Semmens, D., Thogmartin, W.E., Derbridge, J.J., & Lopez-Hoffman, L. (2020). Sources and dynamics of international funding for waterfowl conservation in the Prairie Pothole Region of North America. *Wildlife Research*, 47, 279-295.

Mattsson, B. J., Runge, M. C., Devries, J. H., Boomer, G. S., Eadie, J. M., Haukos, D. A. et al. (2012). A modeling framework for integrated harvest and habitat management of North American waterfowl: case-study of northern pintail metapopulation dynamics. *Ecological Modelling*, 225, 146-158.

Mawhinney, K. (1999). *Factor affecting adult female crèche attendance and survival of common eider Somateria mollissima ducklings in the Gulf of Maine*. Dissertation, University of New Brunswick, Fredericton, Canada.

McCracken, K. G., Afton, A. D., & Peters, M. S. (2000). Condition bias of hunter-shot ring-necked ducks exposed to lead. *Journal of Wildlife Management*, 64, 584-590.

McDougal, R. L. (2001). *Algal primary production in prairie wetlands: the effects of nutrients, irradiance, temperature, and aquatic macrophytes*. Dissertation, University of Manitoba, Winnipeg, Canada.

McDougal, R. L., Goldsborough, L. G., & Hann, B. J. (1997). Responses of a prairie wetland to press and pulse additions of inorganic nitrogen and phosphorus: production by planktonic and benthic algae. *Archiv für Hydrobiologie*, 140, 145-167.

McMaster, D. G., Devries, J. H., & Davis, S. K. (2005). Grassland birds nesting in haylands of southern Saskatchewan: identifying landscape influences and conservation priorities. *Journal of Wildlife Management*, 69, 211-221.

McPherson, R., Arnold, T. W., Armstrong, L. M., & Schwarz, C. J. (2003). Estimating the nest success rate and the number of nests initiated by radiomarked mallards. *Journal of Wildlife Management*, 67, 843-851.

Mehl, K. (2004). *Brood ecology and population dynamics of King eiders*. Dissertation, University of Saskatchewan, Saskatoon, Canada.

Mehl, K. R. & Alisauskas, R. T. (2007). King eider (*Somateria spectabilis*) brood ecology: correlates of duckling survival. *Auk*, 124, 606-618.

Mehl, K. R., Alisauskas, R. T., Hobson, K. A., & Kellett, D. K. (2004). To winter east or west? Heterogeneity in winter philopatry in a central-arctic population of King eiders. *Condor*, 106, 241-251.

Mehl, K. R., Alisauskas, R. T., Hobson, K. A., & Merkel, F. R. (2005). Linking breeding and wintering areas of King eiders: making use of polar isotopic gradients. *Journal of Wildlife Management*, 69, 1297-1304.

Meixell, B.W., Arnold, T.W., Lindberg, M.S., Smith, M.M., Runstadler, J.A., & Ramey, A.M. (2016). Detection, prevalence, and transmission of avian hematozoa in waterfowl at the Arctic/sub-Arctic interface: Co-infections, viral interactions, and sources of variation. *Parasites & Vectors*, 9, 390.

Melaas, C. L., Zimmer, K. D., Butler, M. G., & Hanson, M. A. (2001). Effects of rotenone on aquatic invertebrate communities in prairie wetlands. *Hydrobiologia*, 459, 177-186.

Menges, K. M. (1998). *Grassland songbird use of managed and unmanaged habitats in southwestern Manitoba*. Dissertation, Humboldt State University, Humboldt, USA.

Messmer, D. J. (2010). *Habitat characteristics correlated with the settling patterns of breeding mallards and Canada geese in the mixed woodland plain of southern Ontario*. Thesis, University of Western Ontario, London, Canada.

Messmer, D.J. (2019). *The role of climate variability in duck population ecology*. Dissertation, University of Saskatchewan, Saskatoon, Canada.

Meyer, S. W. (2003). *Comparative use of Phragmites australis and other habitat by birds, amphibians, and small mammals at Long Point, Ontario*. Thesis, University of Western Ontario, London, Canada.

Meyer, S. W., Badzinski, S. S., Petrie, S. A., & Ankney, C. D. (2010). Seasonal abundance and species richness of birds in common reed habitats in Lake Erie. *Journal of Wildlife Management*, 74, 1559-1567.

Migoya, R. & Baldassarre, G. A. (1993). Harvest and food habits of waterfowl wintering in Sinaloa, Mexico. *Southwestern Naturalist*, 38, 168-171.

Migoya von Bertrab, R. E. (1993). *Activity budgets, habitat functions and survival of wintering northern pintails in Sinaloa, Mexico*. Dissertation, State University of New York-Syracuse, Syracuse, USA.

Miller, M. R., Takekawa, J. Y., Fleskes, J. P., Orthmeyer, D. L., Casazza, M. L., Haukos, D. A. et al. (2005). Spring migration of northern pintails from California's central valley wintering area tracked with satellite telemetry: routes, timing, and destinations. *Canadian Journal of Zoology*, 83, 1314-1332.

Miller, M. R., Takekawa, J. Y., Fleskes, J. P., Orthmeyer, D. L., Casazza, M. L., Haukos, D. A. et al. (2005). Flight speeds of northern pintails during migration determined using satellite telemetry. *Wilson Bulletin*, 117, 364-374.

Miller, M. W. (1996). *Effects of habitat change on population dynamics of breeding ducks in the mid-continent of Canada and the United States: a landscape approach*. Dissertation, University of Guelph, Guelph, Canada.

Miller, M. W. & Nudds, T. D. (1996). Landscape change in the prairies and flooding of the Mississippi River valley. *Conservation Biology*, 10, 847-853.

Mini, A.E. (2012). *The role of body size in the foraging strategies and management of avian herbivores: a comparison of dusky Canada geese (Branta canadensis) and cackling geese (B. hutchinsii minima) wintering in the Willamette Valley of Oregon*. Dissertation, Oregon State University, Corvallis, USA.

Morrison, A. and Davidson-Hunt, I. (2012). *Opaskwayak Cree Nation guide to the wetlands of the Saskatchewan River Delta*. Winnipeg, Canada: Aboriginal Issues Press.

Morrison, A.N. (2012). *Opaskwayak Cree Nation wetland ethnoecology: land, identity and well-being in a flooded landscape*. Thesis, University of Manitoba, Winnipeg, Canada.

Morrissey, C.A., Mineau, P., Devries, J.H., Sanchez-Bayo, F., Liess, M., et al. (2015). Neonicotinoid contamination of global surface waters and associated risk to aquatic invertebrates: A review. *Environment International*, 74, 291-303.

Morton, J. M., Kirkpatrick, R. L., Howerter, D. W., Eason, T. H., & Long, C. M. (1994). Depletion of lipid, lean, and ash masses in food-restricted American black ducks. *Canadian Journal of Zoology*, 72, 1492-1496.

Mozel, K. (2010). *Habitat selection by songbirds in Manitoba's tall-grass prairie: a multiscale analysis*. Thesis University of Manitoba, Winnipeg, Canada.

Murkin, E. J., Murkin, H. R., & Titman, R. D. (1992). Nektonic invertebrate abundance and distribution at the emergent vegetation - open water interface in the Delta Marsh, Manitoba, Canada. *Wetlands*, 12, 45-52.

Murkin, H. R. (1998). Freshwater functions and values of prairie wetlands. *Great Plains Research*, 8, 3-15.

Murkin, H. R., Batt, B. D. J., Caldwell, P. J., Kadlec, J. A., & van der Valk, A. G. (2000). Introduction to the Marsh Ecology Research Program. In H.R.Murkin, A. G. van der Valk, & W. R. Clark (Eds.), *Prairie wetland ecology: the contribution of the Marsh Ecology Research Program* (pp. 3-15). Ames, USA: Iowa State University Press.

Murkin, H. R., Buckley, J. H., Wolf, G. E., & Radcliff, L. J. (1998). Freshwater functions and values of prairie wetlands. *Great Plains Research* 8.
Ref Type: Journal (Full)

Murkin, H. R. & Caldwell, P. J. (2000). Avian use of prairie wetlands. In H.R.Murkin, A. G. van der Valk, & W. R. Clark (Eds.), *Prairie wetland ecology: the contribution of the Marsh Ecology Research Program* (pp. 249-286). Ames, USA: Iowa State University Press.

Murkin, H. R., McDougal, R. L., & Patterson, J. H. (1999). Wetland conservation. In *National sinks option paper*. Ottawa, Canada: Environment Canada.

Murkin, H. R., Pollard, J. B., Stainton, M. P., Boughen, J. A., & Titman, R. D. (1994). Nutrient additions to wetlands in the interlake region of Manitoba, Canada: periodic additions throughout the growing season. *Hydrobiologia*, 279/280, 483-495.

Murkin, H. R. & Ross, L. C. M. (1999). Northern prairie marshes (Delta Marsh, Manitoba): I. Macroinvertebrate responses to a simulated wet/dry cycle. In D.P.Batzer, R. B. Rader, & S. A. Wissinger (Eds.), *Invertebrates in freshwater wetlands of North America* (pp. 543-570). New York, USA: John Wiley & Sons.

Murkin, H. R. & Ross, L. C. M. (2000). Invertebrates in prairie wetlands. In H.R.Murkin, A. G. van der Valk, & W. R. Clark (Eds.), *Prairie wetland ecology: the contribution of the Marsh Ecology Research Program* (pp. 201-247). Ames, USA: Iowa State University Press.

Murkin, H. R., van der Valk, A. G., Clark, W. R., Goldsborough, L. G., Wrubleski, D. A., & Kadlec, J. A. (2000). Marsh Ecology Research Program: management implications for prairie wetlands. In H.R.Murkin, A. G. van der Valk, & W. R. Clark (Eds.), *Prairie wetland ecology: the contribution of the Marsh Ecology Research Program* (pp. 317-344). Ames, USA: Iowa State University Press.

Murkin, H. R., van der Valk, A. G., & Clark, W. R. (2000). *Prairie wetland ecology: the contribution of the Marsh Ecology Research Program*. Ames, USA: Iowa State University Press.

Murkin, H. R., van der Valk, A. G., & Kadlec, J. A. (2000). Nutrient budgets and the wet-dry cycle of prairie wetlands. In H.R.Murkin, A. G. van der Valk, & W. R. Clark (Eds.), *Prairie wetland ecology: the contribution of the Marsh Ecology Research Program* (pp. 99-121). Ames, USA: Iowa State University Press.

Murkin, H. R., Wrubleski, D. A., & Reid, F. A. (1994). Sampling invertebrates in wildlife research and management studies. In T.A.Bookhout (Ed.), *Wildlife management techniques manual* (5th ed., pp. 349-369). Bethesda, USA: Wildlife Society.

Murphy, T. P., Lawson, A., Kumagai, M., & Babin, J. (1999). Review of emerging issues in sediment treatment. *Aquatic Ecosystem Health and Management*, 2, 419-434.

Murphy, T. P., Lawson, A., Nalewajko, C., Murkin, H., Ross, L., Oguma, K. et al. (2000). Algal toxins - initiators of avian botulism. *Environmental Toxicology*, 15, 558-567.

Murray, D. L., Anderson, M. G., & Steury, T. D. (2010). Temporal shift in density dependence among North American breeding duck populations. *Ecology*, 91, 571-581.

Muscha, M. J., Zimmer, K. D., Butler, M. G., & Hanson, M. A. (2001). A comparison of horizontally and vertically deployed aquatic invertebrate activity traps. *Wetlands*, 21, 301-307.

Nallar, R., Papp, Z., Epp, T., Leighton, F.A., Swafford, S.R., DeLiberto, T.J., Dusek, R.J., Ip, H.S., Hall, J., Berhane, Y., Gibbs, S.E.J., & Soos, C. 2015. Demographic and spatiotemporal patterns of avian influenza infection at the continental scale, and in relation to annual life cycle of a migratory host. *PLoS ONE*, 10, e0130662.

Nallar, R., Papp, Z., Leighton, F.A., Epp, T., Pasick, J., Berhane, Y., Lindsay, R., & Soos, C. (2016). Ecological determinants of avian influenza virus, West Nile virus, and avian paramyxovirus infection and antibody status in blue-winged teal (*Anas discors*) in the Canadian prairies. *Journal of Wildlife Diseases*, 52, 33-46.

Nallar-Gutierrez, R.A. (2013). *The ecology of infectious pathogens in a long distance migratory bird, the blue-winged teal (Anas discors): From individuals to populations*. Thesis, University of Saskatchewan, Saskatoon, Saskatchewan, Canada.

Nau, G.S., Spares, A.D., Andrews, S.N., Mallory, M.L., McLellan, N.R., and Stokesbury, M.J.W. (2017). Body size, experience, and sex do matter: Multiyear study shows improved passage rates for alewife (*Alosa pseudoharengus*) through small scale Denil and pool-and-weir fishways. *River Research and Applications*, 33, 1472-1483.

Navarre, K. (2020). *Temporal demography of lesser scaup: A species in decline*. Thesis, Colorado State University, Fort Collins, Colorado, USA.

Neckles, H. A. & Neill, C. (1994). Hydrologic control of litter decomposition in seasonally flooded prairie marshes. *Hydrobiologia*, 286, 155-156.

Neill, C. (1994). Primary production and management of seasonally flooded prairie marshes harvested for wild hay. *Canadian Journal of Botany*, 72, 801-807.

Nicolai, C. A. (2010). *Fitness and implication of reproductive decisions for black brant nesting on the Yukon-Kuskokwim delta, Alaska*. Dissertation, University of Nevada - Reno, Reno, USA.

Nicolai, C. A. & Sedinger, J. S. (2012). Are there trade-offs between pre- and post-fledging survival in black brant geese? *Journal of Animal Ecology*, 81, 788-797.

Nicolai, C. A. & Sedinger, J. S. (2012). Trade-offs between offspring fitness and future reproduction of adult female black brant. *Journal of Animal Ecology*, 81, 798-805.

Nicolai, C. A., Sedinger, J. S., Ward, D. H., & Boyd, W. S. (2012). Mate loss affects survival but not breeding in black brant geese. *Behavioral Ecology*, 23, 643-648.

Nicolai, C.A., J.S. Sedinger, D.H. Ward, and W.S. Boyd. (2014). Spatial variation in life-history trade-offs results in an ideal free distribution in black brant geese. *Ecology*, 95, 1323-1331.

Norlin, J. I., Bayley, S., & Ross, L. C. M. (2005). Submerged macrophytes, zooplankton, and the predominance of low- over high-chlorophyll states in western boreal, shallow-water wetlands. *Freshwater Biology*, 50, 868-881.

Norlin, J. I., Bayley, S., & Ross, L. C. M. (2006). Zooplankton composition and ecology in western boreal shallow-water wetlands. *Hydrobiologia*, 560, 197-215.

O, P. (2003). *Response of Festuca rubra to natural and simulated foraging by geese on Akimiski Island, Nunavut Territory*. Thesis, University of Toronto, Toronto, Canada.

O, P. C., Kotanen, P. M., & Abraham, K. F. (2005). Survival and growth of the forage grass *Festuca rubra* in naturally and artificially revegetated sites in a sub-arctic coastal marsh. *EcoScience*, 279-285.

O, P. C., Kotanen, P. M., & Abraham, K. F. (2006). Geese and grazing lawns: responses of the grass *Festuca rubra* to defoliation in a subarctic coastal marsh. *Canadian Journal of Botany*, 84, 1732-1739.

Olson, J. M. (2001). *The fall migration behavior of the greater snow goose in southwestern Québec*. Thesis, University of Québec, Montreal, Canada.

Otfinowski, R. & Kenkel, N. C. (2008). Clonal integration facilitates the proliferation of smooth brome clones invading fescue prairies. *Plant Ecology*, 199, 235-242.

Page, B. (2005). *Mercury speciation and vertical movement of newly added mercury across the mercury methylation layer in three contrasting wetlands*. Thesis, University of Manitoba, Winnipeg, Canada.

Papp, Z., Clark, R.G., Parmley, E.J., Leighton, F.A., Waldner, C., and Soos, C. 2017. The ecology of avian influenza viruses in wild dabbling ducks (*Anas* spp.) in Canada. *PLoS ONE*, 12, e0176297.

Paquette, G. A. & Ankney, C. D. (1996). Wetland selection by American green-winged teal breeding in British Columbia. *Condor*, 98, 27-33.

Paquette, G. A., Devries, J. H., Emery, R. B., Howerter, D. W., Joynt, B. L., & Sankowski, T. P. (1997). Effects of transmitters on reproduction and survival of wild mallards. *Journal of Wildlife Management*, 61, 953-961.

Parks, C. R. (2006). *Experimental manipulation of connectivity and common carp: the effects on native fish, water column invertebrates, and amphibians in Delta Marsh, Manitoba*. Thesis, University of Manitoba, Winnipeg, Canada.

Parson, D. F. (2001). *Solute pathways in surface and subsurface waters of wetland S109, St. Denis, Saskatchewan*. Thesis, University of Calgary, Calgary, Canada.

Pasitschnaik-Arts, M., Clark, R. G., & Messier, F. (1998). Duck nesting success in a fragmented prairie landscape: is edge effect important? *Biological Conservation*, 85, 55-62.

Pasitschnaik-Arts, M. & Messier, F. (1995). Predator identification at simulated nests using inconspicuous haircatchers and wax filled eggs. *Canadian Journal of Zoology*, 73, 984-990.

Pasitschnaik-Arts, M. & Messier, F. (1995). Risk of predation on waterfowl in the Canadian prairies: effects of habitat edges and agricultural practices. *Oikos*, 73, 347-355.

Pattison, J. K. (2009). *The non-market valuation of wetland restoration and retention in Manitoba*. Thesis, University of Alberta, Edmonton, Canada.

Pattison-Williams, J.K. (2017). Riparian wetland conservation: A case study of phosphorus and social return on investment in the Black River watershed. *Ecosystem Services*, 26, 400-410.

Pattison-Williams, J.K., Pomeroy, J.W., Badiou, P. & Gabor, S. (2018). Wetlands, flood control and ecosystem services in the Smith Creek drainage basin: A case study in Saskatchewan, Canada. *Ecological Economics*, 147, 36-47.

Pearce, J.M., Flint, P.L., Whalen, M.E., Sonsthagen, S.A., Stiller, J., Patil, V.P., Bowman, T., Boyd, S., Badzinski, S.S., Gilchrist, H.G., Gilland, S.G., Lepage, C., Loring, P., McAuley, D., McLellan, N.R., Osenkowski, J., Reed, E.T., Roberts, A.J., Robertson, M.O., Rothe, T., Safine, D.E., Silverman, E.D., & Spragens, K. 2019. *Visualizing populations of North American sea ducks: Maps to guide research and management planning*. U.S. Geological Survey open-file report 2019-1142, Reston, Virginia, USA.

Penner, R. C. N. (1995). *Estrogen-based conditioned-taste-aversion as a method of reducing mammalian predation of duck eggs*. Thesis, University of Saskatchewan, Saskatoon, Canada.

Peters, M. S. (1992). *Effects of deep tillage on redistribution of lead shot and chufa tuber biomass at Catahoula Lake, Louisiana*. Thesis, Louisiana State University, Baton Rouge, USA.

Peters, M. S. & Afton, A. D. (1993). Diets of ring-necked ducks wintering on Catahoula Lake, Louisiana. *Southwestern Naturalist*, 38, 166-168.

Peters, M. S. & Afton, A. D. (1993). Effects of deep tillage on redistribution of lead shot and chufa flatsedge at Catahoula Lake, Louisiana. *Wildlife Society Bulletin*, 21, 471-479.

Peterson, W. J. (1999). *Northern pintail brood ecology in cropland*. Thesis, Louisiana State University, Baton Rouge, USA.

Petrie, M. (1998). *Increasing mallards, decreasing black ducks: the role of reproductive success and competition*. Dissertation, University of Missouri, Columbia, USA.

Petrie, M.J., Drobney, R.D., Sears, D.T., & Armstrong, L.M. (2012). Evidence for mallard *Anas platyrhynchos* and American black duck *Anas rubripes* competition in western New Brunswick. *Wildfowl*, 62, 146-164.

Petrie, S. A., Badzinski, S. S., & Wilcox, K. L. (2002). Population trends and habitat use of tundra swans staging at Long Point, Lake Erie. *Waterbirds*, 25, 143-149.

Petrie, M. J., Drobney, R. D., & Graber, D. A. (1998). True metabolizable energy estimates of Canada goose foods. *Journal of Wildlife Management*, 62, 1147-1152.

Petrie, M. J., Drobney, R. D., & Grenier, M. (1997). Evaluation of true metabolizable energy for waterfowl. *Journal of Wildlife Management*, 61, 420-425.

Petrie, M. J., Drobney, R. D., & Sears, D. T. (2000). Mallard and black duck breeding parameters in New Brunswick: a test of the reproductive rate hypothesis. *Journal of Wildlife Management*, 64, 832-838.

Petrie, S. A. & Wilcox, K. L. (2003). Migration chronology of eastern-population tundra swans. *Canadian Journal of Zoology*, 81, 861-870.

Pezzanite, B. (2003). *The foraging behavior of lesser snow geese and Ross's geese on La Perouse Bay*. Dissertation City University of New York, New York, USA.

Pezzanite, B., Rockwell, R. F., Davies, J. C., Loonen, M. J. J. E., & Sequin, R. J. (2005). Has habitat degradation affected foraging behaviour and reproduction success of snow geese (*Chen caerulescens caerulescens*)? *EcoScience*, 12, 439-446.

Phillips, M. L. (2001). *Landscape ecology of mammalian predators and its relationship to waterfowl nest success in the prairie pothole region of North Dakota*. Dissertation, Iowa State University, Ames, USA.

Phipps, K. J. (2006). *Spatial and temporal variation in greenhouse gas emissions from two open water prairie wetlands*. Thesis, University of Saskatchewan, Saskatoon, Canada.

Pierre, J. P. (2001). *Effects of forest harvesting disturbance on aquatic birds in the boreal forest of Alberta*. Thesis, University of Alberta, Edmonton, Canada.

Pip, E. & Allegro, E. (2010). Nearshore fluctuations in water chemistry, microcystins and coliform bacteria during the ice-free season in Lake Winnipeg, Manitoba, Canada. *Ecohydrology & Hydrobiology*, 10, 35-43.

Podruzny, K. M., Devries, J. H., Armstrong, L. M., & Rotella, J. J. (2002). Long-term response of northern pintails to changes in wetlands and agriculture in the Canadian prairie pothole region. *Journal of Wildlife Management*, 66, 993-1010.

Pollard, J. B., Bauchman, C. M., & McAloney, K. (1999). The effect of Atlantic dykeland wetland restoration on breeding wetland-obligate species. In.

Preston, B. & Larche, R. (1996). Proceedings of the fourth annual meeting of the task force on declining amphibian populations in Canada.

Provencher, J. (2016). *Mercury and marine birds in Arctic Canada: Pathways, effects, and interactions in a model species*. Dissertation, Carleton University, Ottawa, Ontario, Canada.

Provencher, J.F., Forbes, M.R., Hennin, H.L., Love, O.P., Braune, B.M., Mallory, M.L., & Gilchrist, H.G. (2016). Implications of mercury and lead concentrations on breeding physiology and phenology in an Arctic bird. *Environmental Pollution*, 218, 1014-1022.

Provencher, J.F., Gilchrist, H.G., Mallory, M.L., Mitchell, G.W., & Forbes, M.R. (2016). Direct and indirect causes of sex differences in mercury concentrations and parasitic infections in a marine bird. *Science of the Total Environment*, 551-552, 506-512.

Provencher, J.F., Mallory, M.L., Braune, B.M., Forbes, M.R., & Gilchrist, H.G. (2014). Mercury and marine birds in Arctic Canada: Effects, current trends, and why we should be paying closer attention. *Environmental Reviews*, 22, 244-255.

Puchnaik, A. J. (2002). *Recovery of bird and amphibian assemblages in restored wetlands in prairie Canada*. Thesis, University of Alberta, Edmonton, Canada.

Purvis, E.N., Vickruck, J.L., Best, L.R., Devries, J.H., & Galpern, P. (2020). Wild bee community recovery in restored grassland-wetland complexes of prairie North America. *Biological Conservation*, 252, 108829.

Raquel, A.J. (2017). *Patterns of duck community composition in the Prairie Pothole Region of Canada: Effects of climate and land use*. Thesis, University of Saskatchewan, Saskatoon, Saskatchewan, Canada.

Raquel, A.J., Devries, J.H., Howerter, D.W., & Clark, R.G. 2019. Reproductive consequences of climate variability in migratory birds: Evidence for species-specific responses to spring phenology and cross-seasonal effects. *Oecologia*, 191, 217-229.

Raquel, A.J., Devries, J.H., Howerter, D.W., Alisauskas, R.T., Leach, S.W., & Clark, R.G. (2016). Timing of nesting of upland-nesting ducks in the Canadian prairies and its relations to spring wetland conditions. *Canadian Journal of Zoology*, 94, 575-581.

Rashford, B. S., Bastian, C. T., & Cole, J. G. (2011). Agricultural land use change in prairie Canada: implications for wetland and waterfowl conservation. *Canadian Journal of Agricultural Economics*, 59, 185-205.

Raven, G. (2004). *Mallard brood movements and wetland selection in the Canadian prairie parklands*. Thesis, University of Manitoba, Winnipeg, Canada.

Raven, G. H., Armstrong, L. M., Howerter, D. W., & Arnold, T. W. (2007). Wetland selection by mallard broods in Canada's prairie-parklands. *Journal of Wildlife Management*, 71, 2527-2531.

Raven, G. H., Arnold, T. W., Howerter, D. W., & Armstrong, L. M. (2007). Mallard brood movements in the Canadian prairie parklands. *Prairie Naturalist*, 39, 1-14.

Reed, J. M., Elphick, C. S., & Oring, L. W. (1998). Life-history and viability analysis of the endangered Hawaiian stilt. *Biological Conservation*, 84, 35-45.

Rempel, R. S., Abraham, K. F., Gadawski, T. R., Gabor, T. S., & Ross, R. K. (1997). A simple wetland habitat classification for boreal forest waterfowl. *Journal of Wildlife Management*, 61, 746-757.

Renner, R. E., Reynolds, R. E., & Batt, B. D. J. (1995). The impact of haying Conservation Reserve Program lands on productivity of ducks nesting in the prairie pothole region of North and South Dakota. In K. G. Wadsworth & R. E. McCabe (Eds.),

Balancing social, professional, and conservation responsibilities (pp. 221-229). Washington, DC, USA: Wildlife Management Institute.

Reynolds, R. E., Shaffer, T. L., Sauer, J. R., & Peterjohn, B. G. (1994). Conservation Reserve Program: benefit for grassland birds in the northern plains. In R. E. McCabe & K. G. Wadsworth (Eds.), *International partnerships for fish and wildlife* (pp. 328-336). Washington, DC, USA: Wildlife Management Institute.

Riecke, T.V. (2020). *Perturbations & heterogeneity: Estimating demographic rates of brant in western Alaska. Dissertation*, University of Nevada-Reno, Reno, Nevada, USA.

Robarts, R. D. & Waiser, M. J. (1998). Effects of atmospheric change and agriculture on the biogeochemistry and microbial ecology of prairie wetlands. *Great Plains Research*, 8, 113-136.

Roberts, A., Eadie, J.M., Howerter, D.W., Johnson, F.A., Nichols, J.D., Runge, M.C., Vrtiska, M.P., & Williams, B.K. (2018). Strengthening links between waterfowl research and management. *Journal of Wildlife Management*, 82, 260-265.

Robertson, G. J. (1997). *Pair formation, mating system and winter philopatry in harlequin ducks*. Dissertation, Simon Fraser University, Burnaby, Canada.

Robertson, G. J. & Cooke, F. (1999). Winter philopatry in migratory waterfowl. *Auk*, 116, 20-34.

Robertson, G. J., Cooke, F., Goudie, R. I., & Boyd, W. S. (1997). Estimating temporary emigration rates with supplementary information: an example with harlequin ducks. *Ring*, 19, 178.

Robertson, G. J., Cooke, F., Goudie, R. I., & Boyd, W. S. (1997). The timing of arrival and moult chronology of harlequin ducks. *Wildfowl*, 48, 147-155.

Robertson, G. J., Cooke, F., Goudie, R. I., & Boyd, W. S. (1998). Moult speed predicts pairing success in male harlequin ducks. *Animal Behaviour*, 55, 1677-1684.

Robertson, G. J., Cooke, F., Goudie, R. I., & Boyd, W. S. (1998). The timing of pair formation in harlequin ducks. *Condor*, 100, 551-555.

Robertson, G. J., Cooke, F., Goudie, R. I., & Boyd, W. S. (1999). Within-year fidelity of harlequin ducks to a moulting and wintering area. In *Behaviour and ecology of sea ducks* (pp. 45-51). Ottawa, Canada: Environment Canada.

Robinson, G. G. C., Gurney, S. E., & Goldsborough, L. G. (1997). Response of benthic and planktonic algal biomass to experimental water-level manipulation in a prairie lakeshore wetland. *Wetlands*, 17, 167-181.

Robinson, G. G. C., Gurney, S. E., & Goldsborough, L. G. (1997). The primary productivity of benthic and planktonic algae in a prairie wetland under controlled water-level regimes. *Wetlands*, 17, 182-194.

Robinson, G. G. C., Gurney, S. E., & Goldsborough, L. G. (2000). Algae in prairie wetlands. In H.R.Murkin, A. G. van der Valk, & W. R. Clark (Eds.), *Prairie wetland ecology: the contribution of the Marsh Ecology Research Program* (pp. 163-199). Ames, USA: Iowa State University Press.

Rodway, M.S. (2013). Pair-bond defense relates to mate quality in harlequin ducks (*Histrionicus histrionicus*). *Waterbirds*, 36, 189-198.

Rohal, C.B. (2018). *Invasive Phragmites australis management in Great Salt Lake wetlands: Context dependency and scale effects on vegetation and seed banks*. Dissertation, Utah State University, Logan, Utah, USA.

Rosenberg, D. M., Wiends, A. P., Bilyj, B., & Armstrong, L. (2001). Peatland *Chironomidae* (Diptera): effects of flooding on emergence of lake 979, experimental lakes area, Ontario. *Journal of the North American Benthological Society*, 20, 448-467.

Ross, L. C. M. (2009). *Vegetation and soil properties as indicators of the hydrology and ecological health of northern prairie wetlands in native and agricultural landscapes*. Thesis, University of Manitoba, Winnipeg, Canada.

Ross, L. C. M. & Murkin, H. R. (1993). The effect of above-normal flooding of a northern prairie marsh on *Agraylea multipunctata* Curtis (Trichoptera: Hydroptilidae). *Journal of Freshwater Ecology*, 8, 27-35.

Ross, L. C. M. & Murkin, H. R. (2009). Wetland conditions and requirements for maintaining economically valuable species: waterfowl, furbearers, fish and plants. In E.D.Maltby & T. Barker (Eds.), *The wetlands handbook* (pp. 802-820). London, United Kingdom: Wiley-Blackwell Publications.

Ross, M.V. (2017). *Ecological factors affecting midcontinent light goose recruitment*. Thesis, University of Saskatchewan, Saskatoon, Canada.

Ross, M.V., Alisauskas, R.T., Douglas, D.C., & Kellett, D.K. 2017. Decadal declines in avian herbivore reproduction: Density-dependent nutrition and phenological mismatch in the Arctic. *Ecology*, 98, 1869-1883.

Ross, R. J., Abraham, K. F., Gadawski, T. R., Rempel, R. S., Gabor, T. S., & Maher, R. (2002). Abundance and distribution of breeding waterfowl in the great clay belt of northern Ontario. *Canadian Field Naturalist*, 116, 42-50.

Rotella, J. J., Devries, J. H., & Howerter, D. W. (1995). Evaluation of methods for estimating density of breeding female mallards. *Journal of Field Ornithology*, 66, 391-399.

Rotella, J. J., Howerter, D. W., Sankowski, T. P., & Devries, J. H. (1993). Differences in nesting effort by wild mallards outfitted with different types of radio transmitters. *Journal of Wildlife Management*, 57, 690-695.

Rotella, J. J., Taper, M., Stephens, S., & Lindberg, M. (2007). Extending methods for modeling heterogeneity in nest survival data using generalized mixed models. In *Beyond Mayfield: measurements of nest survival data* (pp. 34-44). Camarillo, USA: Cooper Ornithological Society.

Runge, M. C., Johnson, F. A., Anderson, M. G., Koneff, M. D., Reed, E. T., & Mott, S. E. (2010). The need for coherence between waterfowl harvest and habitat management. *Wildlife Society Bulletin*, 34, 1231-1237.

Safran, R. J., Isola, C. R., Colwell, M. A., & Williams, O. E. (1997). Benthic invertebrates at foraging locations of nine waterbird species in managed wetlands of the northern San Joaquin Valley, California. *Wetlands*, 17, 407-415.

Sargeant, A. B., Sovada, M. A., & Greenwood, R. J. (1998). *Interpreting evidence of depredation of duck nests in the prairie pothole region* Jamestown, USA: U.S. Geological Survey, Northern Prairie Research Center.

Scarth, J. (1998). Wetland policy in Canada: a research agenda for policy reform. *Great Plains Research*, 8, 169-182.

Schellenberg, G.J. (2017). *Hydrology of the Delta Marsh: Water balance characterization and analysis and analysis of land use changes*. Thesis, University of Manitoba, University of Manitoba, Winnipeg, Canada.

Schummer, M. L. (2005). *Comparisons of resource use by buffleheads, common goldeneyes and long-tail ducks during winter on northeastern Lake Ontario*. Dissertation, University of Western Ontario, London, Canada.

Schummer, M. L., Badzinski, S. S., Petrie, S. A., Chen, Y.-W., & Belzile, N. (2010). Selenium accumulation in sea ducks wintering at Lake Ontario. *Archives of Environmental Contamination and Toxicology*, 58, 854-862.

Schummer, M. L., Fife, I., Petrie, S. A., & Badzinski, S. S. (2011). Artifact ingestion in sea ducks wintering at northeastern Lake Ontario. *Waterbirds*, 34, 51-58.

Schummer, M. L., Petrie, S. A., & Bailey, R. C. (2008). Dietary overlap of sympatric diving ducks during winter in northeastern Lake Ontario. *Auk*, 125, 425-433.

Schummer, M. L., Petrie, S. A., & Bailey, R. C. (2008). Interaction between macroinvertebrate abundance and habitat use by diving ducks during winter on northeastern Lake Ontario. *Journal of Great Lakes Research*, 34, 54-71.

Schummer, M. L., Petrie, S. A., Bailey, R. C., & Badzinski, S. S. (2012). Factors affecting lipid reserves and foraging activity of buffleheads, common goldeneyes, and long-tail ducks during winter at Lake Ontario. *Condor*, *114*, 62-74.

Sedinger, J. S., Lindberg, M. S., Rexstad, E. A., Chelgren, N. D., & Ward, D. H. (1997). Testing for handling bias in survival estimation for black brant. *Journal of Wildlife Management*, *61*, 782-800.

Sedinger, J.S., Nicolai, C.A., VanDellen, A.W., Leach, A.G., Wilson, H.M., and Anthony, R.M. (2016). Predation and reduced grazing interact to reduce recruitment and population growth in black brant. *Condor*, *118*, 433-444.

Senner, N.R. (2013). *The effects of global climate change on long-distance migratory birds*. Dissertation, Cornell University, Ithaca, USA.

Shaffer, T. L., Cowardin, L. M., Buhl, T. K., Berry, R. J., Hansen, J. L., Sullivan, M. et al. (1996). *Simulating results of wide-scale use of culverts to increase mallard production: part II*.

Sheppard, J.L. (2013). *Habitat selection trade-offs, male quality and reproductive performance of female mallards*. Thesis, University of Saskatchewan, Saskatoon, Canada.

Sheppard, J.L., R.G. Clark, J.H. Devries, and M.G. Brasher. (2013). Reproductive effort and success of wild female mallards: does male quality matter? *Behavioural Processes*, *100*, 82-90.

Sherfy, M. H. & Kirkpatrick, R. L. (1999). Additional regression equations for predicting seed yield of moist-soil plants. *Wetlands*, *19*, 709-714.

Sherfy, M. H., Kirkpatrick, R. L., & Richkus, K. D. (1999). Evaluation of a modified activity for invertebrate sampling in shallow wetlands. *Wildlife Society Bulletin*, *27*, 997-1003.

Sherfy, M. H., Kirkpatrick, R. L., & Richkus, K. D. (2000). Benthos cores sampling and chironomid vertical distribution: implications for assessing shorebird food availability. *Wildlife Society Bulletin*, *28*, 124-130.

Sherfy, M. H., Kirkpatrick, R. L., & Webb, K. E. (2001). Nutritional consequences of gastrolith ingestion in blue-winged teal: a test of the hard-seed-for-grit hypothesis. *Journal of Wildlife Management*, *65*, 406-414.

Simpson, J. W. (2005). *Mallard duckling survival in the Great Lakes region*. Thesis, University of Guelph, Guelph, Canada.

Simpson, J. W., Yerkes, T., Nudds, T. D., & Smith, B. D. (2007). Effects of habitat on mallard duckling survival in the Great Lakes region. *Journal of Wildlife Management*, *71*, 1885-1891.

Singer, H. V., Sedinger, J. S., Nicolai, C. A., van Dellen, A. W., & Person, B. T. (2012). Timing of adult remigial wing molt in female black brant (*Branta bernicla nigricans*). *Auk*, *129*, 239-246.

Singer, H.V., Luukkonen, D.R., Armstrong, L.M., & Winterstein, S.R. (2016). Influence of weather, wetland availability, and mallard abundance on productivity of Great Lakes mallards (*Anas platyrhynchos*). *Wetlands*, *36*, 969-978.

Singer, H.V., Slattery, S.M., Armstrong, L., & Witherly, S. (2020). Assessing breeding duck population trends relative to anthropogenic disturbances across the Boreal Plains of Canada, 1960-2007. *Avian Conservation & Ecology*, *15*, 1.

Sizo, A. 2015. *Strategic environmental assessment design for wetland assessment and conservation policy development in an urban planning context*. Dissertation, University of Saskatchewan, Saskatoon, Canada.

Sizo, A., Noble, B., & Bell, S. (2015). Future analysis of urban land use and wetland change in Saskatoon, Canada: An application in strategic environmental assessment. *Sustainability*, *7*, 811-830.

Skinner, S. (2004). *Linking decision support systems for ducks with relative abundance of other grassland bird species*. Thesis, University of Saskatchewan, Saskatoon, Canada.

Skinner, S. & Clark, R. G. (2008). Relationships between duck and grassland bird relative abundance and species richness in southern Saskatchewan. *Avian Conservation and Ecology*, *3*, 1.

Slattery, S. M. (1994). *Neonate reserves, growth and survival in Ross' and lesser snow goose goslings*. Thesis, University of Saskatchewan, Saskatoon, Canada.

Slattery, S. M. (2000). *Factors affecting first-year survival in Ross' geese*. Dissertation, University of Saskatchewan, Saskatoon, Canada.

Slattery, S. M. & Alisauskas, R. T. (1995). Egg characteristics and body reserves of neonate Ross' and lesser snow geese. *Condor*, *97*, 970-984.

Slattery, S. M. & Alisauskas, R. T. (2002). Use of the Barker model in an experiment examining covariate effects on first-year survival in Ross's geese (*Chen rossii*): a case study. *Journal of Applied Statistics*, *29*, 497-508.

Slattery, S. M. & Alisauskas, R. T. (2007). Distribution and habitat use of Ross's and lesser snow geese during late brood rearing. *Journal of Wildlife Management*, *71*, 2230-2237.

Slattery, S.M. & Clark, R.G. (2019). Annual survival in female white-winged scoters and lesser scaup. *Journal of Wildlife Management*, *83*, 1151-1162.

Slattery, S. M., Morissette, J. L., Mack, G. G., & Butterworth, E. W. (2011). Waterfowl conservation planning: science needs and approaches. In J.V.Wells (Ed.), *Boreal birds of North America: a hemispheric view of their conservation links and significance* (pp. 23-40). Berkeley, USA: University of California Press.

Slattery, S. M., Samelius, G., Alisauskas, R. T., Danielson, J. R., & Moore, F. P. (1998). For whom the geese toll: aberrant or adaptive behaviour in Ross' and lesser snow geese? *Wildfowl*, 49, 242-244.

Smerdon, B. D., Devito, K. J., & Mendoza, C. A. (2005). Interaction of groundwater and shallow lakes on outwash sediments in the sub-humid boreal plains of Canada. *Journal of Hydrology*, 314, 246-262.

Smerdon, B. D., Mendoza, C. A., & Devito, K. J. (2007). Simulations of fully coupled lake-groundwater exchange in a subhumid climate with an integrated hydrologic model. *Water Resources Research*, 43, W01416.

Smith, C. D. (1997). *A modelling assessment of the impacts of historical wetland drainage and other land use changes on the regional climate of the Canadian prairies*. Thesis, University of Saskatchewan, Saskatoon, Canada.

Smith, C. M., Cooke, F., & Robertson, G. J. (2000). Long-term pair bonds in harlequin ducks. *Condor*, 102, 201-205.

Smith, J. S. R. & Phan, A. (1995). Shift in genetic diversity during selection of native grasses. In *Native plant summit*.

Soos, C. (2004). *Links between avian botulism outbreaks in waterfowl, hatching asynchrony, and life history trade-offs of pre fledging Franklin's gulls*. Dissertation, University of Saskatchewan, Saskatoon, Canada.

Soos, C. & Wobeser, G. (2006). Identification of primary substrate in the initiation of botulism outbreaks. *Journal of Wildlife Management*, 70, 43-53.

Sorenson, L. G., Goldberg, R., Root, T. L., & Anderson, M. G. (1998). Potential effects of global warming on waterfowl populations breeding in the northern great plains. *Climatic Change*, 40, 343-369.

Specht, H. (2018). *Habitat use and reproductive success of waterbirds in the human-dominated landscape of North America's prairies: Using sparse data to inform management*. Dissertation, University of Minnesota, Minneapolis, Minnesota, USA.

Specht, H., St.-Louis, V., Gratto-Trevor, C.L., Koper, N., Skagg, C.G., Ronningen, & Arnold, T.W. (2020). Habitat selection and nest survival in two Great Plains shorebirds. *Avian Conservation & Ecology*, 15, 1.

Specht, H.M. & Arnold, T.W. (2018). Banding age ratios reveal prairie waterfowl fecundity is affected by climate, density dependence and predator-prey dynamics. *Journal of Applied Ecology*, 55, 2854-2864.

Squires, L. & van der Valk, A. G. (1992). Water depth tolerances of the dominant emergent macrophytes of the Delta Marsh, Manitoba. *Canadian Journal of Botany*, 70, 1860-1867.

Stafford, J. D., Kaminski, R. M., Reinecke, K. J., & Manley, S. W. (2006). Waste rice for waterfowl in the Mississippi alluvial valley. *Journal of Wildlife Management*, 70, 61-69.

Stanley, M.J. (2017). *Spatial variation of water quality and algal production, and the relationship between land use and nutrient loading in Delta Marsh*. Thesis, University of Manitoba, Winnipeg, Canada.

Stavne, R. B. (2004). *Effects of cattle grazing on breeding wetland birds in the aspen parkland of Alberta*. Thesis, University of Alberta, Edmonton, Canada.

Stephens, S. E., Kaminski, R. M., Leopold, B. D., & Gerard, P. D. (1998). Reproduction of wood ducks in large and small nest boxes. *Wildlife Society Bulletin*, 26, 159-167.

Stevens, C. (2000). *An experimental study of bird communities in small wetlands on Prince Edward Island*. Thesis, University of New Brunswick, Fredericton, Canada.

Stevens, C. E., Diamond, A. W., & Gabor, T. S. (2002). Anuran call surveys on small wetlands in Prince Edward Island, Canada restored by dredging sediments. *Wetlands*, 22, 90-99.

Stevens, C. E., Gabor, T. S., & Diamond, A. W. (2003). Use of restored small wetlands by breeding waterfowl in Prince Edward Island, Canada. *Restoration Ecology*, 11, 3-12.

Stralbert, D., Arseneault, D., Baltzer, J.L., Barber, Q.E., Bayne, E.M., Boulanger, Y., Brown, C.D., Cooke, H.A., Devito, K., Edwards, J., Estevo, C.A., Flynn, N., Frelich, L.E., Hogg, E.H., Johnston, M., Logan, T., Matsuoka, S.M., Moore, P., Morelli, T.L., Morissette, J.L., Nelson, E.A., Nenzén, H., Nielsen, S.E., Parisien, M.-A., Pedlar, J.H., Price, D.T., Scmiegelow, F.K.A., Slattery, S.M., Sonnetag, O., Thompson, D.K., & Whitman, E. (2020). Climate-change refugia in boreal North America: What, where, and for how long? *Frontiers in Ecology and Environment*, 18, 261-270.

Swoboda, C. J. (2007). *Population delineation and wintering ground influence on vital rates of white-winged scoters*. Thesis, University of Saskatchewan, Saskatoon, Canada.

Swystun, H. A., Hines, J. E., & Dawson, R. D. (2005). *Monitoring the numbers and productivity of tundra swans in relation to potential natural gas development in the Mackenzie River delta, western Canadian Arctic* (Rep. No. 438). Ottawa, Canada: Environment Canada.

Ten Hwang, Y., Wobeser, G., Larivière, S., & Messier, F. (2002). *Streptococcus equisimilis* infection in striped skunks (*Mephitis mephitis*) in Saskatchewan. *Journal of Wildlife Diseases*, 38, 641-643.

Ten Hwang, Y., Larivière, S., & Messier, F. (2007). Local- and landscape-level den selection of striped skunks on the Canadian prairies. *Canadian Journal of Zoology*, 85, 33-39.

Thompson, S.J. (2013). *An examination of the impacts of invasive woody vegetation on grassland birds and waterfowl*. Dissertation, University of Minnesota, Minneapolis, Minnesota, USA.

Thompson, S. J., Arnold, T. W., & Vacek, S. (2012). Impact of encroaching woody vegetation on nest success of upland nesting waterfowl. *Journal of Wildlife Management*, 76, 1635-1642.

Thompson, S.J., Arnold, T.W., & Amundson, C.L. (2014). A multiscale assessment of tree avoidance by prairie birds. *Condor*, 116, 303-315.

Thompson, S.J., Arnold, T.W., Fieberg, J., Granfors, D.A., Vacek, S., & Palaia, N. (2016). Grassland birds demonstrate delayed response to large-scale tree removal in central North America. *Journal of Applied Ecology*, 53, 284-294.

Thorn, T. D., Emery, R. B., Howerter, D. W., Devries, J. H., & Joynt, B. L. (2005). Use of radio-telemetry to test for investigator effects on nesting mallards, *Anas platyrhynchos*. *Canadian Field Naturalist*, 119, 541-545.

Thorpe, Jr. P. P. (1997). *Temporal and spatial variation in habitat selection and movements of female mallards in the parklands of Canada*. Thesis, Montana State University, Bozeman, USA.

Thorslund, J., Cohen, M.J., Jawitz, J.W., Destouni, G., Creed, I.F., Rains, M.C., Badiou, P., & Jarsö, J. (2018). Solute evidence for hydrological connectivity of geographically isolated wetlands. *Land Degradation & Development*, 29, 3954-3962.

Timmermans, S. T. A., Badzinski, S. S., & Ingram, J. W. (2008). Associations between breeding marsh bird abundances and Great Lakes hydrology. *Journal of Great Lakes Research*, 34, 351-364.

Tozer, D.C., Drake, K.L., & Falconer, C.M. (2016). Modeling detection probability to improve marsh bird surveys in southern Canada and the Great Lakes states. *Avian Conservation & Ecology*, 11, 3.

Traylor, J. J. (2003). *Nesting and duckling ecology of white-winged scoters (Melanitta fusca deglandi) at Redberry Lake, Saskatchewan*. Thesis, University of Saskatchewan, Saskatoon, Canada.

Traylor, J. J. (2010). *Comparative breeding ecology in Arctic geese of different body size: an example in Ross's and lesser snow geese*. Dissertation, University of Saskatchewan, Saskatoon, Canada.

Traylor, J. J. & Alisauskas, R. T. (2006). Effects of intrinsic and extrinsic factors on survival of white-winged scoter (*Melanitta fusca deglandi*) ducklings. *Auk*, 123, 67-81.

Traylor, J. J., Alisauskas, R. T., & Kehoe, F. P. (2004). Multisite modeling of brood amalgamation in white-winged scoters. *Animal Biodiversity and Conservation*, 27, 369-370.

Traylor, J. J., Alisauskas, R. T., & Kehoe, F. P. (2004). Nesting ecology of white-winged scoters (*Melanitta fusca deglandi*) at Redberry Lake, Saskatchewan. *Auk*, 121, 950-962.

Traylor, J. J., Alisauskas, R. T., & Kehoe, F. P. (2008). Ecological correlates of duckling adoption among white-winged scoters *Melanitta fusca*: strategy, epiphenomenon, or combination? *Behavioral Ecology and Sociobiology*, 62, 1085-1097.

Traylor, J.J., Alisauskas, R.T., Slattery, S.M., & Drake, K.L. (2012). Comparative survival and recovery of Ross's and lesser snow geese from Canada's central arctic. *Journal of Wildlife Management*, 76, 1135-1144.

Turner, M. A., Huebert, D. B., Findlay, D. L., Hendzel, L. L., Jansen, W. A., Bodaly, R. A. et al. (2005). Divergent impacts of experimental lake-level drawdown on planktonic and benthic plant communities in a boreal forest lake. *Canadian Journal of Fisheries and Aquatic Sciences*, 62, 991-1003.

van der Kamp, G. & Hayashi, M. (1998). The groundwater recharge function of small wetlands in the semi-arid northern prairies. *Great Plains Research*, 8, 39-56.

van der Kamp, G., Hayashi, M., & Gallén, D. (2003). Comparing the hydrology of grassed and cultivated catchments in the semi-arid Canadian prairies. *Hydrological Processes*, 17, 559-575.

van der Valk, A. G. (1994). Effects of prolonged flooding on the distribution and biomass of emergent species along a freshwater wetland coenocline. *Vegatatio*, 110, 185-196.

van der Valk, A. G. (2000). Vegetation dynamics and models. In H.R.Murkin, A. G. van der Valk, & W. R. Clark (Eds.), *Prairie wetland ecology: the contribution of the Marsh Ecology Research Program* (pp. 125-161). Ames, USA: Iowa State University Press.

van der Valk, A. G., Murkin, H. R., & Kadlec, J. A. (2000). The drawdown and reflooding years. In H.R.Murkin, A. G. van der Valk, & W. R. Clark (Eds.), *Prairie wetland ecology: the contribution of the Marsh Ecology Research Program* (pp. 75-97). Ames, USA: Iowa State University Press.

van der Valk, A. G., Squires, L., & Welling, C. H. (1994). Identifying the impacts of an increase in water level on wetland vegetation undergoing succession. *Ecological Applications*, 4, 525-534.

Verma, B. (2003). *The effects of natural and anthropogenic factors on microbes decomposing the emerging macrophyte Scirpus lacustris in prairie aquatic systems*. Dissertation, Napier University, Edinburgh, United Kingdom.

Verma, B., Robarts, R. D., & Headley, J. V. (2003). Seasonal changes in fungal production and biomass on standing dead *Scirpus lacustris* litter in a northern prairie wetland. *Applied and Environmental Microbiology*, 69, 1043-1050.

Vest, J. L. (2002). *Body mass and gastrointestinal parasites of lesser scaup (Aythya affinis) in the Mississippi flyway*. Thesis, Mississippi State University, Mississippi State, USA.

Vilella, F.J. Cruz-Burgos, J.A., Kaminski, R.M., Murkin, H.R., Davis, J.B., Weitzel, S.L., & Vizcarra, F. (2020). Avian community responses to management of vegetation and water levels in restored wetlands at the Humacao Nature Reserve, Puerto Rico. *Caribbean Naturalist*, 72, 1-21.

Virgin, S.D.S, Beck, A.D., Boone, L.K., Dykstra, A.K., Ollerhead, J., Barbeau, M.A., & McLellan, N.R. (2020). A managed realignment in the upper Bay of Fundy: Community dynamics during salt marsh restoration over 8 years in a megatidal, ice-influenced environment. *Ecological Engineering*, 149, 105713.

Vrtiska, M. P., Kaminski, R. M., Prince, H. H., & Thompson, J. D. (1997). Geographical displacement and timing of remige molt in male wood ducks. *Canadian Journal of Zoology*, 75, 1545-1548.

Waiser, M. J. (2001). *The effect of solar radiation on the microbial ecology and biogeochemistry on prairie wetlands*. Dissertation, Napier University, Edinburgh, United Kingdom.

Walker, J. & Lindberg, M. S. (2005). Survival of scaup ducklings in the boreal forest of Alaska. *Journal of Wildlife Management*, 69, 592-600.

Walker, J., Lindberg, M. S., MacCluskie, M. C., Petrula, M. J., & Sedinger, J. S. (2005). Nest survival of scaup and other ducks in the boreal forest of Alaska. *Journal of Wildlife Management*, 69, 582-591.

Walton, L. R. & Larivière, S. (1994). A striped skunk (*Mephitis mephitis*) repels two coyotes (*Canis latrans*) without scenting. *Canadian Field Naturalist*, 108, 492-493.

Wang, X., Shang, Z., Qu, Z., Liu, T., Melesse, A. M., & Yang, W. (2010). Simulated wetland conservation-restoration effects on water quality at watershed scale. *Journal of Environmental Management*, *91*, 1511-1525.

Ward, D. H., Rexstad, E. A., Sedinger, J. S., Lindberg, M. S., & Dawe, N. K. (1997). Seasonal and annual survival of adult Pacific brant. *Journal of Wildlife Management*, *61*, 773-781.

Ware, L. L. (2008). *Selenium uptake and effects in greater scaup (Aythya marila) wintering on western Lake Ontario*. Thesis, University of Western Ontario, London, Canada.

Ware, L. L., Petrie, S. A., Badzinski, S. S., & Bailey, R. C. (2011). Selenium concentrations in greater scaup and dreissenid mussels during winter on western Lake Ontario. *Archives of Environmental Contamination and Toxicology*, *61*, 292-299.

Warren, J. (2004). *Effects of cattle grazing on upland nesting duck production in the aspen parkland*. Thesis, Montana State University, Bozeman, USA.

Warren, J. M., Rotella, J. J., & Thompson, J. E. (2008). Contrasting effects of cattle grazing intensity on upland-nesting duck production at nest and field scales in the aspen parkland, Canada. *Avian Conservation and Ecology*, *3*, 6.

Watchorn, K.E. (2011). *Effects of water level management on water chemistry and primary production of boreal marshes in northern Manitoba, Canada*. Thesis, University of Manitoba, Winnipeg, Canada.

Watchorn, K. E., Goldsborough, L. G., & Wrubleski, D. A. (2012). A hydrogeomorphic inventory of coastal wetlands of the Manitoba great lakes: Lakes Winnipeg, Manitoba, and Winnipegosis. *Journal of Great Lakes Research*, *38*, 115-122.

Wayland, M., Alisauskas, R.T., Kellett, D., Traylor, J., Swoboda, C., Neugebauer, & Mehl, K. (2007). Year-to-year correlations in blood metal levels among individuals of two species of North American sea ducks. *Environmental Pollution*, *150*, 329-337.

Wayland, M., Alisauskas, R.T., Kellett, D.K., & Mehl, K.R. (2008). Trace element concentrations in blood of nesting king eiders in the Canadian Arctic. *Archives of Environmental Contamination and Toxicology*, *55*, 683-690.

Wayland, M., Drake, K.L., Alisauskas, R.T., Kellett, D.K., Traylor, J., Swoboda, C., & Mehl, K. (2008). Survival rates and blood metal concentrations in two species of free-ranging North American sea ducks. *Environmental Toxicology and Chemistry*, *27*, 698-704.

Weaver, K.H.A. (2013). *Tundra swan (Cygnus columbianus columbianus) habitat selection during the nonbreeding period*. Thesis, University of Western Ontario, London, Canada.

Weeber, R. C. (1994). *Nutrient addition and the use of stable isotope techniques in wetlands of the Interlake region of Manitoba, Canada*. Thesis, McGill University, Montreal, Canada.

Westwood, A.R., Barker, N.K., Grant, S., Almos, A.L., Camfield, A.F., Cooper, K.L., Dénes, F.V., Jean-Gagnon, F., McBlane, L., Scmiegelow, F.K.A., Simpson, J.I., Slattery, S.M., Sleep, D.J.H., Sliwa, S., Wells, J.V., & Whitaker, D.M. (2020). Toward actionable, coproduced research on boreal birds focused on building respectful partnerships. *Avian Conservation & Ecology*, 15, 26.

Wilson, H.F., Casson, N.J., Glenn, A.J., Badiou, P., & Boychuk, L. (2019). Landscape controls on nutrient export during snowmelt and an extreme rainfall runoff event in northern agricultural watersheds. *Journal of Environmental Quality*, 48, 841-849.

Wiltermuth, M.T. (2014). *Influences of climate variability and landscape modifications on water dynamics, community structure, and amphipod populations in large prairie wetlands: Implications for waterbird conservation*. Dissertation, North Dakota State University, Fargo, USA.

Woo, M. K. & Rowsell, R. D. (1993). Hydrology of a prairie slough. *Journal of Hydrology*, 146, 175-207.

Woo, M. K., Rowsell, R. D., & Clark, R. G. (1993). *Hydrological classification of Canadian prairie wetlands and prediction of wetland inundation in response to climatic variability* (Rep. No. 79). Ottawa, Canada: Environment Canada.

Wood, C. N. (2004). *Competition between ants (Hymenoptera: Formicidae) and nesting white-winged scoters (Melanitta fusca): is scoter nest success and placement influenced by ants at Redberry Lake, Saskatchewan?* BSc Honors Thesis, University of Regina, Regina, Canada.

Wrubleski, D., Badiou, P., & Goldsborough, G. (2018). Coastal wetlands of Manitoba's Great Lakes (Canada). In C. M. Finlayson, G. R. Milton, R. C. Prentice, & N. C. Davidson (Eds.), *The wetland book II: Distribution, description, and conservation* (pp. 591-604). Dordrecht, The Netherlands: Springer

Wrubleski, D. A., Murkin, H. R., van der Valk, A. G., & Davis, C. B. (1997). Decomposition of litter of three mudflat annual species in a northern prairie marsh during drawdown. *Plant Ecology*, 129, 141-148.

Wrubleski, D. A., Murkin, H. R., van der Valk, A. G., & Nelson, J. W. (1997). Decomposition of emergent macrophyte roots and rhizomes in a northern prairie marsh. *Aquatic Botany*, 58, 121-134.

Wrubleski, D. A. (1999). Northern prairie marshes (Delta Marsh, Manitoba): II. *Chironomidae* (Diptera) responses to changing plant communities in newly flooded

habitat. In D.P. Batzer, R. B. Rader, & S. A. Wissinger (Eds.), *Invertebrates in freshwater wetlands of North America* (pp. 571-602). New York, USA: John Wiley & Sons.

Wrubleski, D. A. (2005). *Chironomidae* (Diptera) responses to the experimental flooding of prairie marshes. *Wetlands*, 25, 200-209.

Wrubleski, D. A. & Ross, L. C. M. (2011). Aquatic invertebrates of prairie wetlands: community composition, ecological roles, and impacts of agriculture. In K.D. Floate (Ed.), *Anthropods of Canadian grasslands: inhabitants of a changing landscape* (pp. 91-116). Ottawa, Canada: Biological Survey of Canada.

Yang, W., Rousseau, A. N., & Boxall, P. (2007). An integrated economic-hydrologic modeling framework for the watershed evaluation of beneficial management practices. *Journal of Soil and Water Conservation*, 62, 423-432.

Yang, W., Sheng, C., & Voroney, P. (2005). Spatial targeting of conservation tillage to improve water quality and carbon retention benefits. *Canadian Journal of Agricultural Economics*, 53, 477-500.

Yang, W., Liu, Y., Ou, C., & Gabor, S. (2016). Examining water quality effects of riparian wetland loss and restoration scenarios in a southern Ontario watershed. *Journal of Environmental Management*, 174, 26-34.

Yang, W., Liu, Y., Cutlac, M., Boxall, P., Weber, M., Bonnycastle, A., & Gabor, S. (2016). Integrated economic-hydrologic modeling for examining cost-effectiveness of wetland restoration scenarios in a Canadian prairie watershed. *Wetlands*, 36, 577-589.

Yang, W., Wang, X., Liu, S., Gabor, S., Boychuk, L., & Badiou, P. (2010). Simulated environmental effects of wetland restoration scenarios in a typical Canadian prairie watershed. *Wetlands Ecology and Management*, 18, 269-279.

Yang, W. & Weerskink, A. (2004). Cost-effective targeting of riparian buffers. *Canadian Journal of Agricultural Economics*, 52, 17-34.

Yerkes, T. (2000). Influence of female age and body mass on brood and duckling survival, number of surviving ducklings, and brood movements in redheads. *Condor*, 102, 926-929.

Yerkes, T. (2000). Fidelity of mallards to artificial nesting structures. *Prairie Naturalist*, 31, 243-244.

Yerkes, T. (2000). Nest site characteristics and brood habitat selection of redheads: an association between wetland characteristics and success. *Wetlands*, 20, 575-580.

Yerkes, T., Paige, R., MacLeod, R., Armstrong, L. M., Souilliere, G., & Gatti, R. (2007). Predicted distribution and characteristics of wetlands used by mallard pairs in five Great Lakes states. *American Midland Naturalist*, 157, 356-364.

Zhang, J., Wang, F., House, J. D., & Page, B. (2004). Thiols in wetland interstitial waters and their role in mercury and methylmercury speciation. *Limnology and Oceanography*, 49, 2276-2286.

Zhao, Q., Arnold, T.W., Devries, J.H., Howerter, D.W., Clark, R.G., & Weegman, M.D. (2019). Land-use increases climatic vulnerability of migratory birds: Insights from integrated population modelling. *Journal of Animal Ecology*, 88, 1625-1637.

Zhao, Q., Arnold, T.W., Devries, J.H., Howerter, D.W., Clark, R.G., & M. D. Weegman, M.D. (2020). Using integrated population models to prioritize region-specific conservation strategies under global change. *Biological Conservation*, 252,108832.

Zimmer, K. D. (2001). *Effects of fathead minnows and drainage history on wetland ecosystems. Dissertation*, North Dakota State University, Fargo, USA.

Zimmer, K. D., Hanson, M. A., & Butler, M. G. (2000). Factors influencing invertebrate communities in prairie wetlands: a multivariate approach. *Canadian Journal of Fisheries and Aquatic Sciences*, 57, 76-85.

Zimmer, K.D., Hanson, M.A., & Wrubleski, D.A. (2016). Invertebrates in permanent wetlands (Long-hydroperiod marshes and shallow lakes). In D. Batzer & D. Boix (Eds.), *Invertebrates in freshwater wetlands: an international perspective on their ecology* (pp. 251-286). New York, USA: Springer.

Zimmer, K. D., Hanson, M. A., Butler, M. G., & Duffy, W. G. (2001). Size distribution of aquatic invertebrates in two prairie wetlands, with and without fish, with implications for community production. *Freshwater Biology*, 46, 1373-1386.